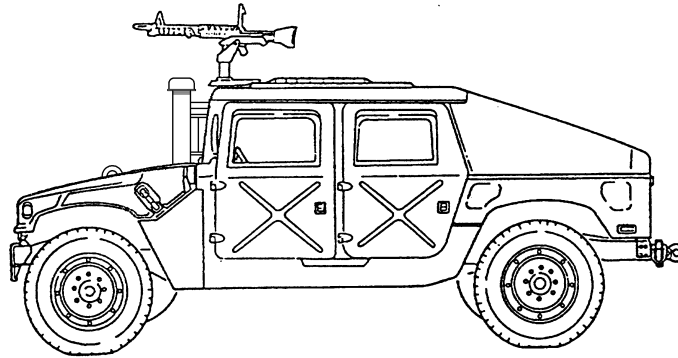


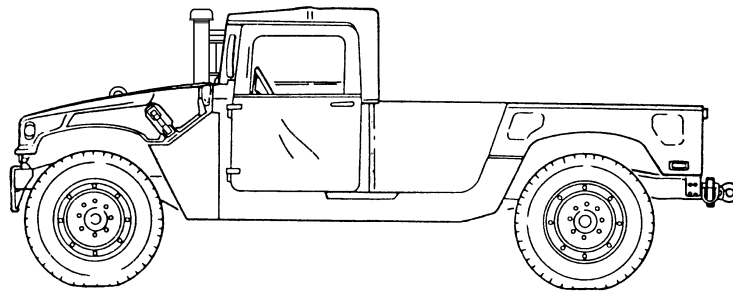
**SUPPLEMENTAL OPERATION,
MAINTENANCE, AND REPAIR
PARTS INSTRUCTIONS**

FOR

**TRUCK, UTILITY: EXPANDED CAPACITY, ARMAMENT
CARRIER, 4X4, M1151
(2320-01-518-7330)**



**TRUCK, UTILITY: EXPANDED CAPACITY, ENHANCED,
4X4, M1152
(2320-01-518-7332)**



Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 2004

WARNING**EXHAUST GASES CAN KILL**

Brain damage or death can result from heavy exposure. Precautions must be followed to ensure crew safety when the personnel heater, main, or auxiliary engine of any vehicle is operated for any purpose.

1. Do not operate your vehicle engine in enclosed areas.
2. Do not idle vehicle engine with vehicle windows closed.
3. Be alert at all times for exhaust odors.
4. Be alert for exhaust poisoning symptoms:
 - Headache
 - Dizziness
 - Sleepiness
 - Loss of muscular control
5. If you see another person with exhaust poisoning symptoms:
 - Remove person from area
 - Expose to open air
 - Keep person warm
 - Do not permit physical exercise
 - Administer artificial respiration, if necessary*
 - Notify a medic

*For artificial respiration, refer to FM 21-11.

6. BE AWARE, the field protective mask for Nuclear, Biological, or Chemical (NBC) protection will not protect you from carbon monoxide poisoning.

THE BEST DEFENSE AGAINST EXHAUST POISONING IS ADEQUATE VENTILATION.

WARNING SUMMARY

- Do not attempt to operate cargo shell door forward latch. The cargo shell door is not to be opened from inside the vehicle. Opening cargo shell door from inside the vehicle may cause damage to equipment or injury to personnel.
- Drycleaning solvent is flammable and will not be used near an open flame. A fire extinguisher will be kept nearby when the solvent is used. Use only in well-ventilated places. Failure to do this may result in injury to personnel and/or damage to equipment.
- Protective gloves, clothing, and/or respiratory equipment must be worn whenever caustic, toxic, or flammable cleaning solutions are used. Failure to do this may result in injury to personnel.
- Do not perform fuel or battery system checks, inspections, or maintenance while smoking or near sparks. Fuel may ignite and batteries may explode, causing damage to vehicle and injury or death to personnel.
- Never use transmission shift lever in place of parking brake. Set parking brake. Ensure transmission shift lever is in P (park) position and transfer case shift lever is NOT in N (neutral) position. Damage to equipment and injury to personnel may occur if these instructions are not followed.
- Ensure all slack from three-point seatbelt adjusting strap or three-point seatbelt is removed. Three-point seatbelt retracts and will lock only during sudden stops or impact. Injury to personnel may result if an accident occurs and seatbelts are not in use or adjusted properly.
- This vehicle has been designed to operate safely and efficiently within the limits specified in this TM. Operations beyond these limits are prohibited IAW AR 750-1 without written approval from the Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-CM-S, Warren, MI 48397-5000.
- Extreme caution shall be taken when transporting personnel. Rollover protection and seatbelts are available for the crew area only and are not provided in the troop/cargo area. Despite certain design characteristics of the vehicle, such as improved capabilities, failure to use basic safe driving techniques/skills may result in injury or death to personnel and damage to equipment.
- Operators are reminded to observe basic safe driving techniques/skills when operating the vehicle. Vehicle speed must be reduced consistent with weather and road/terrain conditions. Obstacles such as stumps and boulders must be avoided. Failure to use basic safe driving techniques/skills may result in injury or death to personnel and damage to equipment.
- Prior to towing vehicle with rear wheels up, secure steering wheel to prevent front wheels from turning.
- Wear leather gloves when handling winch cable. Do not handle cable with bare hands. When fully extending winch cable, ensure that four wraps of winch cable remain on drum at all times. Direct all personnel to stand clear of winch cable during winch operation. Failure to do this may cause damage to vehicle and injury or death to personnel.
- Avoid using fire extinguisher in unventilated areas. Prolonged inhalation exposure to extinguishing agent or fumes from burning material may cause injury to personnel. Using fire extinguisher in windy area will cause rapid dispersal of extinguishing agent and reduce effectiveness in fire control.
- Vehicle operation in snow is a hazardous condition. Operator must travel at reduced speeds and be prepared to meet sudden changes in road conditions. Pump brakes gradually when stopping vehicle on ice or snow. Sudden braking will cause wheels to lock and vehicle to slide out of control, causing damage to vehicle and injury or death to personnel.
- Do not rely on wet service brakes. Keep applying brakes until they dry out and uneven braking ceases. Failure to do this may cause damage to vehicle and injury or death to personnel.
- Exhaust components are hot after prolonged vehicle use. Ensure exhaust system components are cool before removing/installing exhaust assembly. Failure to do this may result in injury to personnel.
- Do not use hand throttle as an automatic speed or cruise control. The hand throttle does not automatically disengage when brake is applied, resulting in increased stopping distances and possible hazardous and unsafe operation. Injury to personnel or damage to equipment may result.
- To ensure opening of hood is accomplished safely and effectively, always maintain the proper lifting posture, with legs bent and back straight. When raising and securing hood, ensure hood prop rod is secured to hood support bracket. When releasing hood prop rod, do not pull rod at hook end. Damage to equipment or injury to personnel may occur if hood is not raised, secured, and lowered properly.

WARNING SUMMARY (Cont'd)

- If NBC exposure is suspected, all air filter media should be handled by personnel wearing protective equipment. Consult your unit NBC officer or NBC NCO for appropriate handling or disposal instructions.
- Due to tire load ratings and vehicle load carrying capabilities, only the load range D radial tire can be used.
- Hearing protection is required for driver and passengers when engine is running. Noise levels produced by these vehicles exceed 85 dBA, which may cause injury to personnel.
- Do not operate the vehicle without windshield assembly positioned upright and the B-pillar securely attached. Operation of vehicle without these structures in place may result in injury to personnel and damage to equipment.
- Chock blocks shall be used when parking a vehicle with inoperative parking brakes, operating in extreme cold conditions, parking on inclines, or whenever and wherever maintenance is being performed. Failure to do so may result in injury to personnel or damage to equipment.
- Do not operate the vehicular heater in a closed area without proper exhaust evacuations. Damage to heater or injury to personnel may result.
- Do not operate the vehicular heater when refueling. Damage to heater or injury to personnel may result.
- Use care when opening and closing doors. Do not rest fingers in door opening. Personnel injury may result.
- Do not operate heater when ventilation system is on. Damage to heater or injury to personnel may result.
- Communication shelters AN/GRC-122 and AN/GRC-142 RATT may overload vehicle by up to 500 pounds. Use caution when driving to avoid damage to equipment or injury to personnel.
- Do not use tow pintle as a step when entering or exiting vehicle cargo area. Failure to do so may result in injury to personnel.

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**SUPPLEMENTAL OPERATION,
MAINTENANCE, AND REPAIR
PARTS INSTRUCTIONS**

FOR

TRUCK, UTILITY: EXPANDED CAPACITY, ARMAMENT CARRIER, 4 x 4,

M1151

(2320-01-518-7330)

TRUCK, UTILITY: EXPANDED CAPACITY, ENHANCED, 4 x 4,

M1152

(2320-01-518-7332)

Approved for public release; distribution is unlimited.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028 (Recommended Changes to Publications and Blank Forms). You may mail your letter or DA Form 2028 direct to: U.S. Army TACOM 6501 E. Eleven Mile Road, MS 420, AMSTA-LC-CHL, Warren, MI 48397-5000.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

a. The purpose of this SOMARPI is to provide advance operator's and maintenance instructions, and repair parts information for the M1151/M1152 vehicles. These instructions are provided as supplemental information to TM 9-2320-387-10 and TM 9-2320-387-24. When combined with these manuals, this SOMARPI will provide you with comprehensive instructions for these vehicles.

You will see change bars on pages in the operator's section. The change bars designate information specific to the M1151 and M1152. Information contained in the maintenance section is for the M1151 and M1152 only.

This SOMARPI information will be included in the next change to TM 9-2320-387-10 and TM 9-2320-387-24. The paragraph and page numbers used in this SOMARPI are the same numbers that will be used when these pages are inserted in the manuals with the next change.

b. The material presented here provides operators with information and procedures needed to provide the safest and most efficient operation of these vehicles. This information includes:

- (1) Operator forms and records.
- (2) Descriptions of each vehicle and its operation.
- (3) The purpose of each vehicle.
- (4) Vehicle limitations.
- (5) The function of all controls and indicators.
- (6) Operating instructions for each vehicle.
- (7) Cautions and warnings to operators regarding safety to personnel and equipment.
- (8) How and when to use special purpose kits.
- (9) Operator maintenance checks and service procedures.
- (10) Troubleshooting procedures to be followed by operators if the vehicle malfunctions.

1-2. MAINTENANCE FORMS AND RECORDS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, The Army Maintenance Management System (TAMMS).

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1-6. EQUIPMENT IMPROVEMENT REPORT AND MAINTENANCE DIGEST (EIR MD)

The quarterly Equipment Improvement Report and Maintenance Digest, TB 43-0001-62 series, contains valuable field information on equipment covered in this manual. Information in TB 43-0001-62 series is compiled from some of the Equipment Improvement Reports you prepared on vehicles covered in this manual. Many of these articles result from comments, suggestions, and improvement recommendations that you submitted to the EIR program. The TB 43-0001-62 series contains information on equipment improvements, minor alterations, proposed Modification Work Orders (MWOs), warranties (if applicable), actions taken on some of your DA Form 2028s (Recommended Changes to Publications), and advance information on proposed changes that may affect this manual. The information will help you in doing your job better and will help in keeping you advised of the latest changes to this manual. Also refer to DA Pam 25-30, Consolidated Index of Army Publications and Blank Forms, and appendix A, References, of this manual.

1-7. BREAK-IN SERVICE

Upon receipt of vehicle, or after engine replacement, break-in precautions must be observed during the first 500 miles (805 kilometers) of operation. For break-in procedure, refer to paragraph 2-11.

Section II. EQUIPMENT DESCRIPTION

1-8. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

The 1-1/4 ton, 4x4, M1113, M1114, M1151, and M1152 vehicles are tactical vehicles designed for use over all types of roads, as well as cross-country terrain, in all weather conditions. The vehicles have four driving wheels, powered by a V-8 liquid-cooled turbocharged diesel engine. Four-wheel hydraulic service brakes and a mechanical parking brake are standard. All vehicles are equipped with a pintle hook for towing. Tiedowns and lifting eyes are provided for air, rail, or sea shipment. ■

1-9. METRIC SYSTEM

The equipment/system described herein contains metric components and requires metric, common, and special tools; therefore, both metric and standard units will be used throughout this publication. In addition, a metric conversion table is located on the inside back cover of this publication.

1-11.1. ARMAMENT CARRIER, ARMORED (M1151)

a. Purpose of Vehicle. The M1151 armament carrier provides mounting and firing of the MK19 automatic grenade launcher; M2, caliber .50 machine gun; and M60, 7.62 mm machine gun; ring-mounted with 360° arc of fire, with armor protection for crew, weapon components, and ammunition.

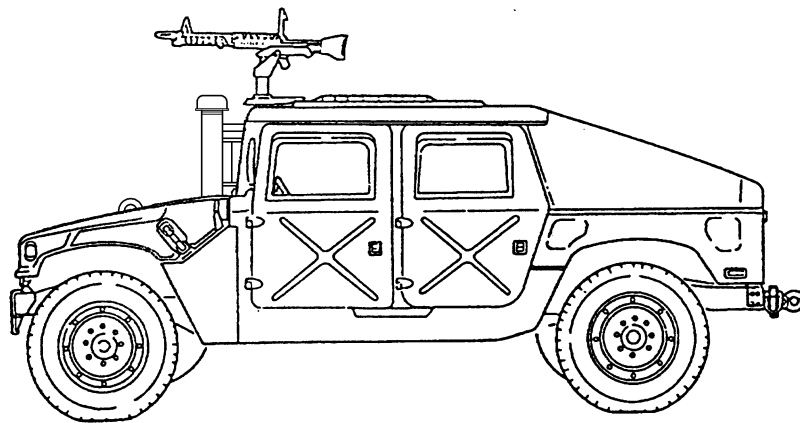
b. Performance. Fully-loaded M1151 armament carriers will climb road grades as steep as 60% (31°) and traverse a side slope of up to 40% (22°). The vehicles ford hard bottom water crossings up to 30 inches (76 centimeters) without a deep water fording kit and 60 inches (152 centimeters) with the kit. Refer to table 1-10 for cruising range.

c. Special Limitations. None.

d. Special Instructions in the Manual.

(1) Refer to paragraph 2-2, Controls, Indicators, and Equipment.

(2) Refer to chapter 2, section VI, TOW/Armament Carrier Operation.



M1151
(WITH M60, 7.62 MM MACHINE GUN MOUNTED)

1-11.2. HEAVY VARIANT CARGO/TROOP CARRIER (M1152)

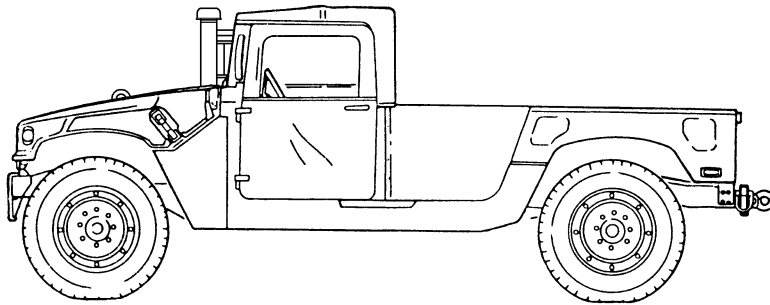
a. Purpose of the Vehicle. The M1152 Expanded Capacity Utility truck can be used as a shelter carrier or a troop carrier. The M1152 shelter carrier provides the capability to secure and transport the S250 electrical equipment shelter with a total payload, including crew, of 5,280 pounds (2,395 kilograms). The M1152 cargo/troop carrier is capable of transporting a two-man crew and eight passengers. The M1152 uses a troop seat for troop transport operations, a 200-ampere umbilical power cable to power shelter equipment, and stowage racks for ammunition and equipment. For higher payload capacity, the M1152 is equipped with a reinforced frame, crossmembers, lifting shackles, heavy-duty rear springs, shock absorbers, reinforced control arms, heavy-duty tires and rims, and a transfer case and differential with a modified gear ratio.

b. Performance. Fully-loaded M1152 heavy variant cargo/troop carriers will climb road grades as steep as 60% (31°) and traverse a side slope of up to 40% (22°). The vehicle fords hard bottom water crossing up to 30 inches (76 centimeters) without a deep water fording kit and 60 inches (152 centimeters) with the kit. Refer to table 1-10 for cruising range.

c. Special Limitations. None.

d. Special Instructions in the Manual.

- (1) Refer to paragraph 2-2, Controls, Indicators, and Equipment.
- (2) Refer to paragraph 2-53.1, Troop Seat Kit Operation.
- (3) Refer to chapter 2, section V, S250 Shelter Carrier Operation (if equipped).



M1152

1-12. TABULATED DATA

This paragraph organizes vehicle specifications, special equipment, and model differences in table form for easy reference by operators.

Table 1-1. Differences Between Models.

Equipment/Function	Vehicle			
	M1113	M1114	M1151	M1152
Armament Mounting		X	X	
S250 Shelter Configuration	X			X
Vehicle Winch (if equipped)	X	X	X	X
Basic Armor			X	
Up-Armor		X		
Howitzer Prime Mover				X

1-12. TABULATED DATA (Cont'd)*Table 1-2. Capacities.*

Description	Capacity	
	Standard	Metric
Cooling system	27.25 qt	25.8 L
Engine (crankcase only)	7 qt	6.6 L
Engine (crankcase with new filter)	8 qt	7.6 L
Differential (each)	2 qt	1.9 L
Transmission (drain and refill)	7.7 qt	7.3 L
Transfer case	3.35 qt	3.17 L
Fuel tank	25 gal.	94.6 L
Steering system	3.25 qt	3.08 L
Brake master cylinder	1.12 pt	0.53 L
Total brake system	1.63 pt	0.77 L
Windshield washer	1 qt	0.95 L
Geared hub	1 pt	0.47 L

1-12. TABULATED DATA (Cont'd)

Table 1-8. Maximum Vehicle Operating Speeds.

Transmission Range Selection	Transfer Case Range Selection		
	L (Low Range)	H (High Range)	H/L (High/Lock Range)
R (reverse)	9 mph (14 kph)	23 mph (37 kph)	9 mph (14 kph)
Ⓓ (overdrive)	21 mph (34 kph)	55 mph (88 kph)	55 mph (88 kph)
D (drive)	21 mph (34 kph)	55 mph (88 kph)	55 mph (88 kph)
2 (second)	15 mph (24 kph)	40 mph (64 kph)	40 mph (64 kph)
1 (first)	9 mph (14 kph)	23 mph (37 kph)	23 mph (37 kph)

Table 1-9. Vehicle Dimensions.

Vehicle	Length Overall		Height Overall		Height Minimum Reducible	
	Inches	Centimeters	Inches	Centimeters	Inches	Centimeters
M1113	196.5	499	76	193	56	142
M1114	196.5	499	76	193	76	193
M1151	193.5	491	77	196	N/A	N/A
M1152	193.5	491	76	193	56	142
	Width Overall		Ground Clearance Under Axle			
	Inches	Centimeters	Inches	Centimeters		
M1113/M1151/M1152	86	218	17.5		44	
M1114	90.5	230	15.5		39	

Table 1-10. Vehicle Cruising Range.

NOTE		
When vehicle is driven on hard surface and hilly terrain at a speed of 30-40 mph (48-64 kph), the cruising range shown for each vehicle can be expected.		
Vehicle	Gross Vehicle Weight (GVW)	Cruising Range
M1113	11,500 lb (5,221 kg)	250 mi (402 km)
M1114	12,100 lb (5,493 kg)	250 mi (402 km)
M1151	11,500 lb (5,221 kg)	250 mi (402 km)
M1152	11,500 lb (5,221 kg)	250 mi (402 km)

Table 1-11. 9,000 lb Winch Data.

Description	Capacities	
	Standard	Metric
Max. Load (Fifth Layer)	6,200 lb	2,815 kg
Max. Load (Fourth Layer)	7,000 lb	3,178 kg
Max. Load (Third Layer)	8,000 lb	3,632 kg
Max. Load (Second Layer)	8,500 lb	3,859 kg
Max. Load (First Layer)	9,000 lb	4,086 kg

Table 1-11.1. 10,500 lb Winch Data.

Description	Capacities	
	Standard	Metric
Minimum Load	4,700 lb	2,134 kg
Max. Load (Fifth Layer)	5,200 lb	2,361 kg
Minimum Load	5,600 lb	2,542 kg
Max. Load (Fourth Layer)	6,000 lb	2,724 kg
Minimum Load	6,800 lb	3,087 kg
Max. Load (Third Layer)	8,500 lb	3,859 kg
Minimum Load	8,700 lb	3,950 kg
Max. Load (Second Layer)	9,600 lb	4,358 kg
Minimum Load	9,620 lb	4,367 kg
Max. Load (First Layer)	10,500 lb	4,767 kg

Table 1-12. Curb Weight.

Vehicle	Curb Weight
M1113	6,400 lb (2,906 kg)
M1114	9,800 lb (4,449 kg)
M1151	7,300 lb (3,311 kg)
M1152	6,220 lb (2,821 kg)

Table 1-13. Vehicle Bridge Classification.

Model	Empty	Loaded	
		Cross-Country	Highway
M1113	2	4	4
M1114	3	4	4
M1151	3	4	4
M1152	2	4	4

Table 1-14. Axle Weight.

Vehicle	Less Payload and Crew		
	Front Axle Lbs (kgs)	Rear Axle Lbs (kgs)	Total Lbs (kgs)
M1113	3450 (1566)	2950 (1339)	6400 (2906)
M1114	4700 (2134)	5100 (2315)	9800 (4449)
M1151	3,720 (1,687)	3,580 (1,624)	7,300 (3,311)
M1152	3,365 (1,526)	2,855 (1,295)	6,220 (2,821)

CHAPTER 2 OPERATING INSTRUCTIONS

Section I. DESCRIPTION AND USE OF OPERATOR'S CONTROLS AND INDICATORS

2-1. KNOW YOUR CONTROLS AND INDICATORS

Before you attempt to operate your equipment, make sure you are familiar with the location and function of all controls and indicators. The location and function of controls and indicators are described in this section. Refer to TM 9-2320-387-10, chapter 2, section I, for any controls and indicators information not covered in this section.

WARNING

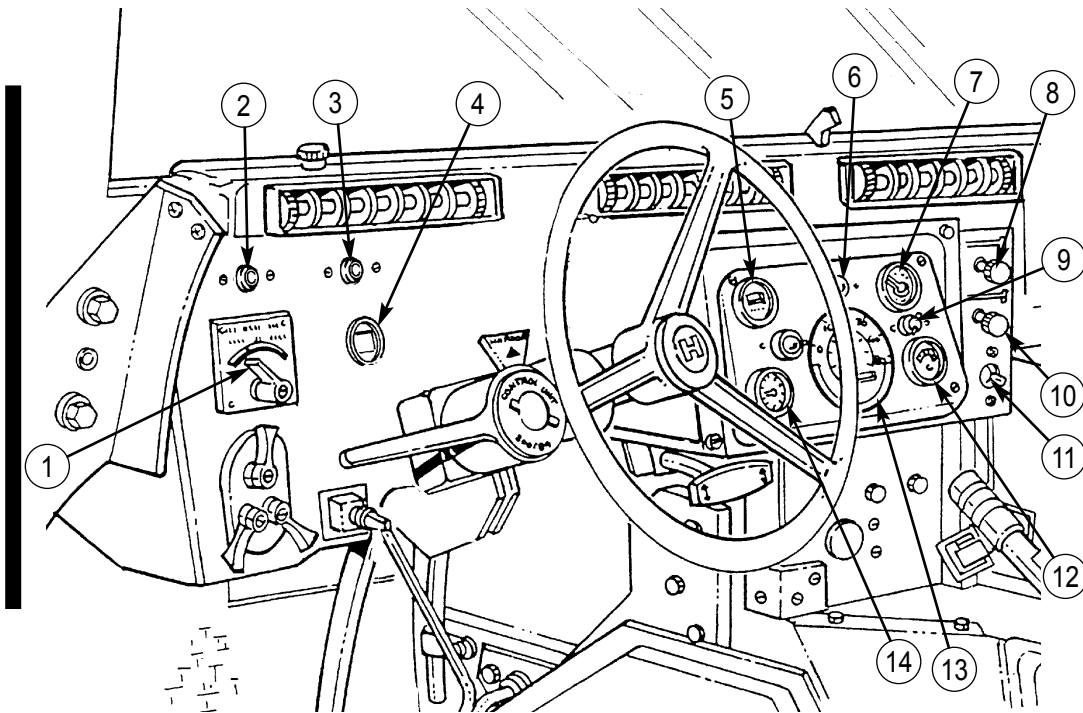
- This vehicle has been designed to operate safely and efficiently within the limits specified in this TM. Operation beyond these limits is prohibited IAW AR 750-1 without written approval from the Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-CM-S, Warren, MI 48397-5000.
- Do not use hand throttle as an automatic speed or cruise control. The hand throttle does not automatically disengage when brake is applied, resulting in increased stopping distances and possible hazardous and unsafe operation. Injury to personnel or damage to equipment may result.

NOTE

- Except where noted, the controls and indicators in this section are applicable to both vehicle models covered in this manual.
- In this manual, left side indicates the driver's side of the vehicle. Right side indicates the opposite side of the vehicle.

2-2. CONTROLS, INDICATORS, AND EQUIPMENT

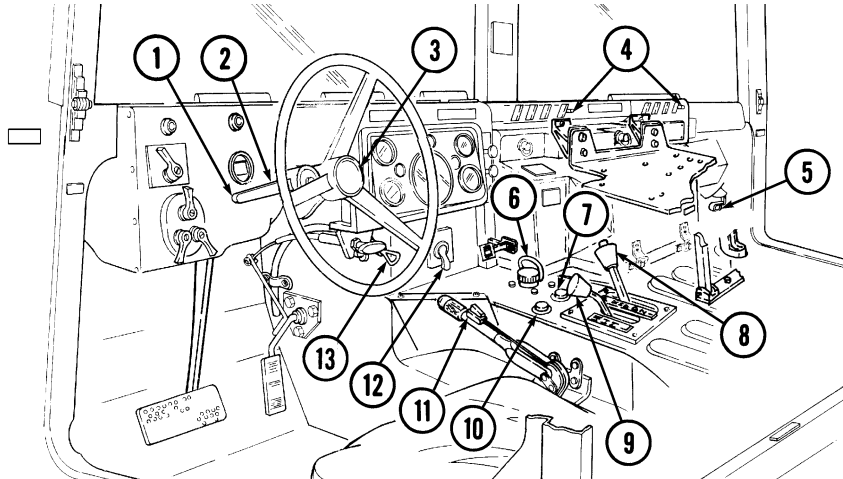
a. Driver's Compartment.



KEY ITEM AND FUNCTION

- 1 *Rotary switch* has ENG STOP, RUN, and START positions. When positioned to RUN, glow plugs are activated to heat engine precombustion chambers. When positioned to START, starter will engage and crank engine.
- 2 *Wait-to-start lamp assembly* illuminates when glow plugs are activated; goes out when engine is ready to be started.
- 3 *Brake warning lamp assembly* illuminates if parking brake is applied or if a hydraulic imbalance (leak, etc.) exists between the front and rear brake systems.
- 4 *Air restriction gauge* signals the operator that a restriction exists in the air cleaner.
- 5 *Engine oil pressure gauge* indicates oil pressure when engine is running.
- 6 *High beam lamp assembly* illuminates when front headlights are switched to HIGH beam position.
- 7 *Coolant temperature gauge* indicates engine coolant temperature.
- 8 *Defroster control knob* directs heated air to windshield on the M1113, M1151, and M1152. For the M1114, control knob directs outside air in for circulation.
- 9 *Instrument panel lights* illuminate instrument panel gauges.
- 10 *Heater control knob* controls the temperature of the air output.
- 11 *Heater fan switch* controls blower motor fan speed. The switch has HI (high), OFF, and LO (low) settings to regulate defroster and heater air flow into vehicle.
- 12 *Voltmeter* indicates the charging level and activity of the battery charging system.
- 13 *Speedometer/odometer* indicates vehicle speed and accumulated mileage.
- 14 *Fuel gauge* indicates amount of fuel in fuel tank.

2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)



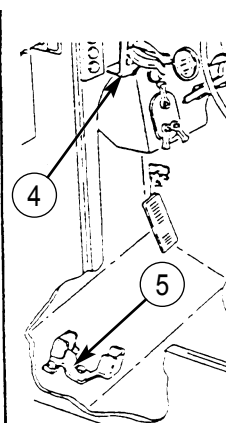
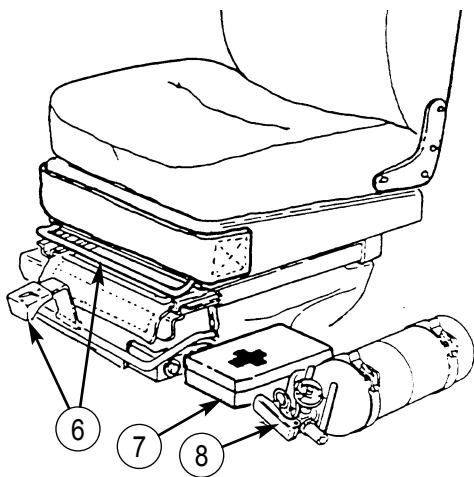
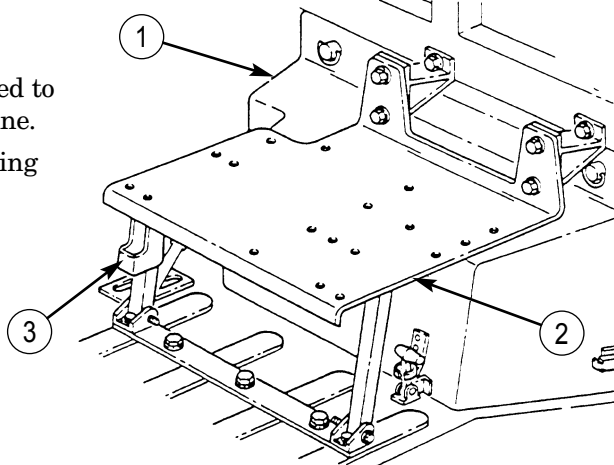
KEY ITEM AND FUNCTION

- 1 *Directional signal lever* activates turn signal lights.
- 2 *Warning hazard control* activates the warning flashers.
- 3 *Horn button* activates vehicle horn.
- 4 *Baffle operating rods* slide open to allow heated air into crew compartment and are controlled by the temperature control lever (can also be operated manually from under the hood).
- 5 *Fresh air intake lever* is pulled back to allow fresh air into crew compartment, or pushed forward to close.
- 6 *Simplified Test Equipment/Internal Combustion Engine-Reprogrammable (STE/ICE-R) diagnostic connector* is attaching point for the Vehicle Test Meter (VTM) to facilitate vehicle electrical and engine systems diagnoses.
- 7 *Transmission indicator lamp* comes on when ignition switch is turned on, and goes off when vehicle is started and is also used to flash diagnostic trouble codes when Transmission Control Module (TCM) is placed in diagnostic mode.
- 8 *Transmission shift lever* is used to select vehicle driving range, P (park), R (reverse), N (neutral),  (overdrive), D (drive), 2 (second), and 1 (first).
- 9 *Transfer case shift lever* is used to select vehicle driving range, H/L (high/lock range), H (high range), N (neutral), and L (low range).
- 10 *Transfer case indicator lamp* illuminates when transfer case has completed the low-range shift and high/lock-range shift.
- 11 *Parking brake lever* is used to apply parking brake. Safety release button must be depressed to release parking brake.
- 12 *Fording control switch* (M1113, M1151, and M1152) (deep water fording kit only) allows operator to select VENT during normal operating conditions or DEEP FORD for deep water fording.
- 13 *Steering wheel lock cable* permits steering wheel to be locked to prevent unauthorized use of vehicle.

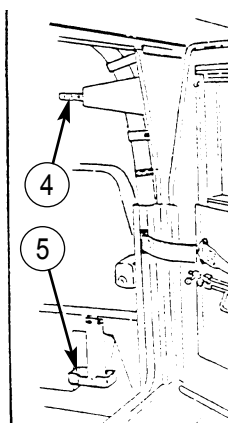
2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)

KEY ITEM AND FUNCTION

- 1 *Engine access cover* is removed to provide access to rear of engine.
- 2 *Radio rack* serves as mounting point for AN/GRC-121.3 or AN/VRC-91 radio.
- 3 *Microphone bracket* serves as mounting point for microphone.
- 4 *Catch assembly* holds M16A2 rifle safely in place for travel. Adjustable catch assembly configuration holds M16A2 rifle when positioned all the way in, or M203 grenade launcher when extended out.
- 5 *Stock brace* holds stock end of M16A2 rifle or M203 grenade launcher in position for travel.
- 6 *Driver's seat adjusters* permit driver's seat to be adjusted in forward, rearward, up, or lower positions.
- 7 *First aid kit* is used for crew emergency first aid treatment. Actual location shall be determined by mission profile.
- 8 *Fire extinguisher* is located on the side of the driver's seat.



M1113,
M1151, M1152

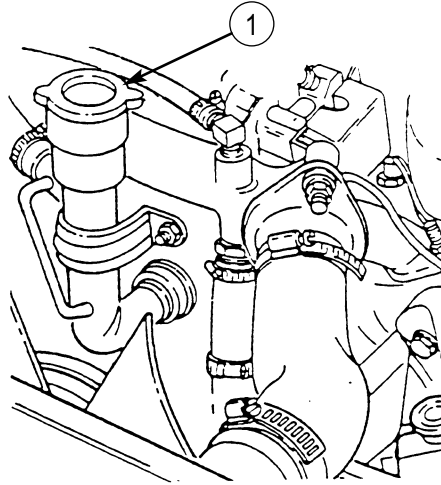


M1114
ONLY

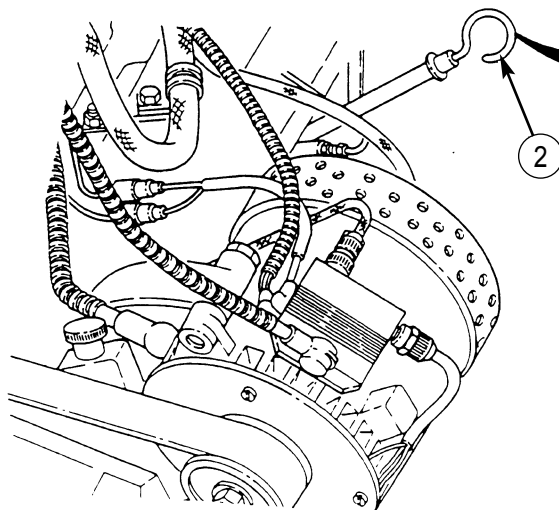
2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)

KEY ITEM AND FUNCTION

- 1 *Engine oil filler cap* (located front center of engine) is removed from oil filler neck to add oil to engine.



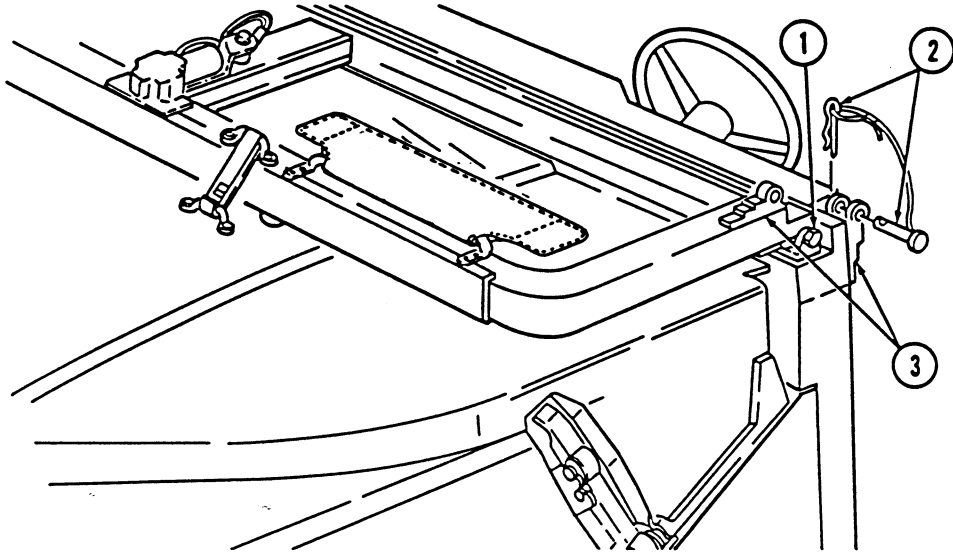
- 2 *Engine oil dipstick* is located behind alternator on left side of engine; is removed to check engine oil level.



M1113, M1151, AND M1152
VEHICLES WITH DEEP WATER
FORDING KIT

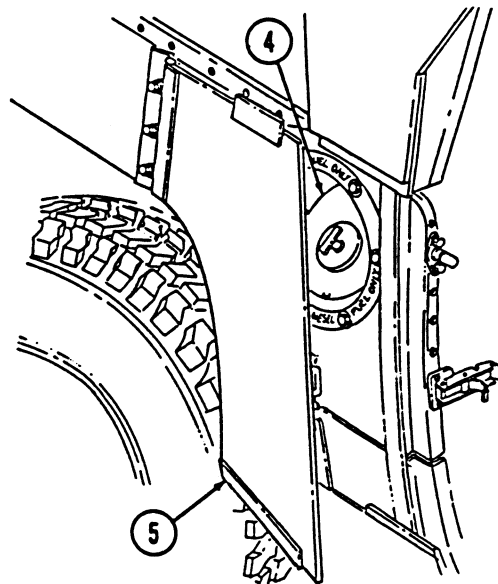
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2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)



KEY ITEM AND FUNCTION

- 1 *Windshield fold-down hinges* (M1113, M1152) are used as a hinge point when lowering windshield. Hinge pins are removed when detaching windshield assembly.
- 2 *Hitch pin and hinge pin* (M1113, M1152) are removed to allow windshield to be lowered or detached.
- 3 *Windshield hinges* (M1113, M1152) secure windshield in the raised (up) position with hinge pins installed. Hinge pins are removed when lowering or detaching windshield.
- 4 *Fuel tank filler cap* (located at right rear side of vehicle) is removed to permit fuel servicing.
- 5 *Fuel door* (M1114) (located at right rear side of vehicle) covers fuel tank filler cap.



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2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)

WARNING

Do not attempt to operate cargo shell door forward latch. The cargo shell door is not to be opened from inside the vehicle. Opening cargo shell door from inside the vehicle may cause damage to equipment or injury to personnel.

KEY ITEM AND FUNCTION

NOTE

Items 1 through 5 are applicable to M1114 and M1151 vehicles only.

- 1 *Cargo shell door strap* serves as a grab strap to lower cargo shell door.
- 2 *Cargo shell door assist cylinders* provide a lift boost for raising and holding cargo shell door open.
- 3 *Cargo shell door* when door rear latch is released, door opens forward and permits access to cargo area from rear of vehicle for stowing.
- 4 *Cargo shell door rear latch* is pulled upward to open cargo shell door from rear of vehicle.
- 5 *Cargo shell door retaining cables* limit cargo shell door travel when opened from either end.

NOTE

Items 6 and 7 apply to M1114 only.

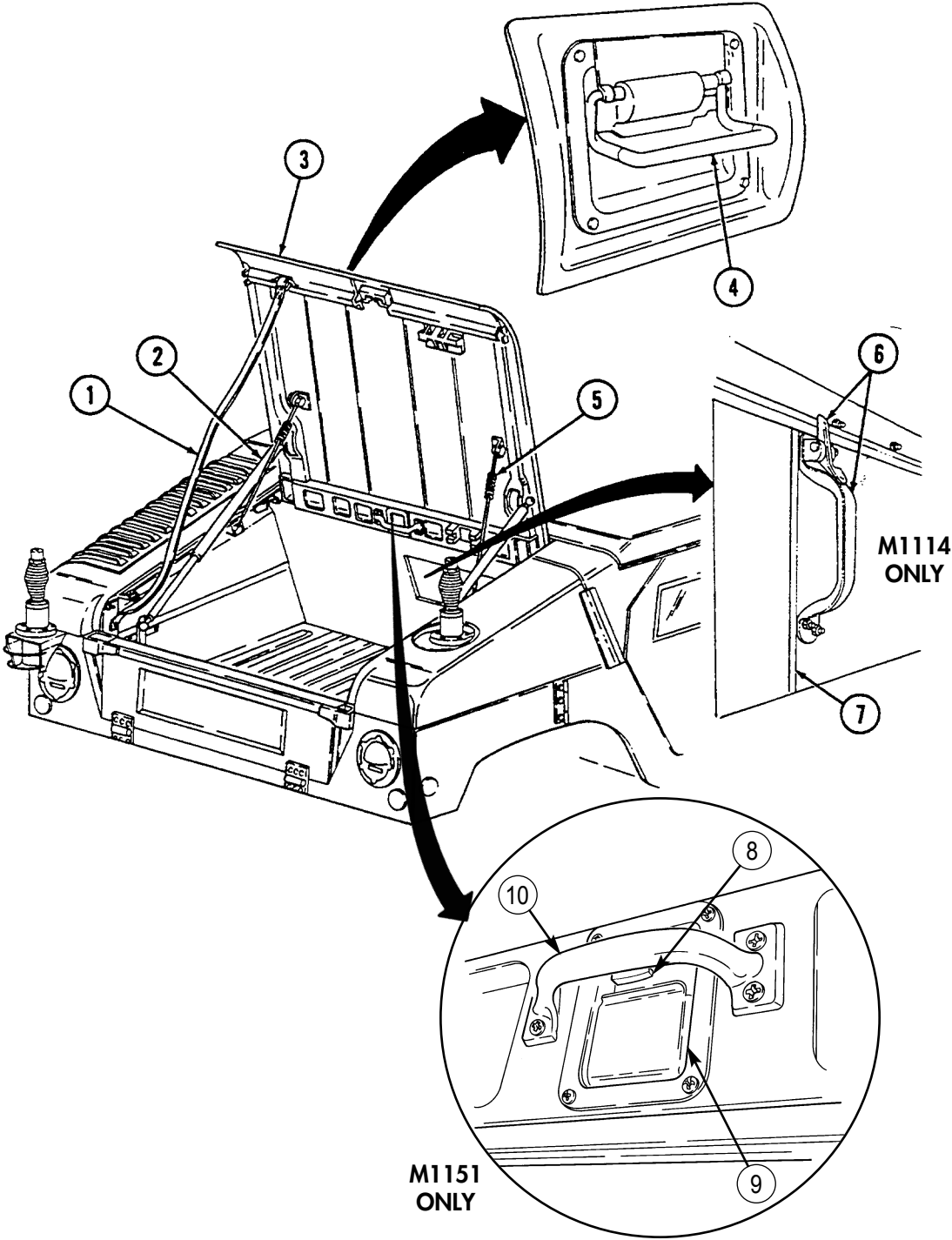
- 6 *Cargo C-pillar door handle and locking mechanism* serves to open or close, lock or unlock the cargo C-pillar door.
- 7 *Cargo C-pillar door* provides access from the crew compartment to cargo shell.

NOTE

Items 8 through 10 apply to M1151 only.

- 8 *Cargo shell door forward latch locking device* is pulled downward to open door from inside vehicle.
- 9 *Cargo shell door forward latch* is pulled downward to open door from inside vehicle.
- 10 *Cargo shell door front grab handle* serves as a grabbing point for lowering door when inside vehicle.

2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)



2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)

d. Up-Armored/Armament Carrier Equipment (M1114 and M1151).

KEY ITEM AND FUNCTION

- 1 *Gunner's backrest* provides back support for a gunner positioned in weapon station.
- 2 *Weapon station hatch cover* provides sealed protective covering for roof opening when weapons are not mounted to weapon station.
- 3 *Hatch cover handle* is grab handle to assist gunner in opening and closing station cover.

NOTE

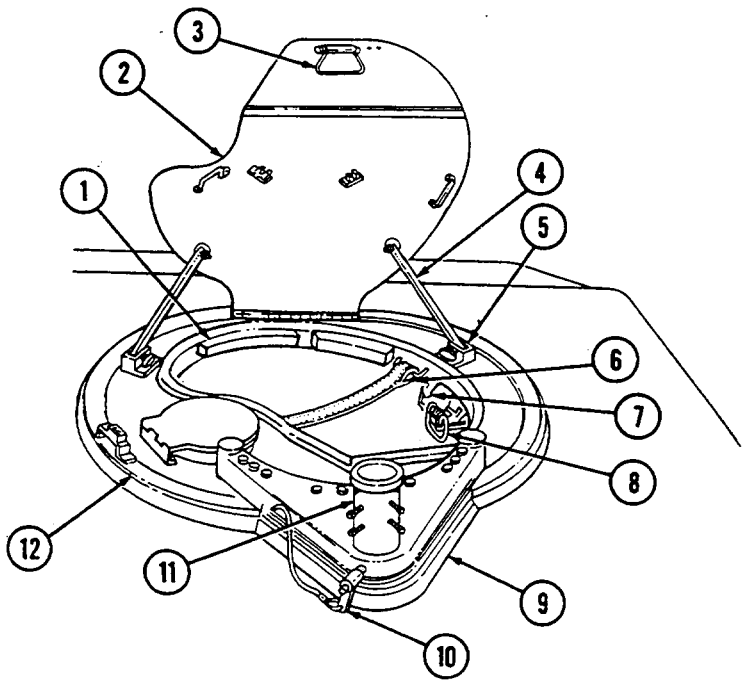
Items 4 and 5 apply to M1114 only.

- 4 *Rods* attached to cover serve to secure cover in the open position.
- 5 *Catch blocks* serve to support rods on weapon station while in the open position.
- 6 *Gunner's sling* serves as seat rest or restraint for a gunner positioned in weapon station.
- 7 *Hatch cover securing latches* secure cover to weapon station.
- 8 *Weapon station brake handle* locks the weapon station at the gunner's desired azimuth. Handle is placed in the down position for locking.
- 9 *Armament mount* is mounting bracket for weapon adapter.
- 10 *Universal weapons adapter pin assembly* secures weapon adapter to the armament mount.
- 11 *Universal weapons adapter* provides mounting base for the M60 7.62 mm machine gun, M2 caliber .50 machine gun, and MK19 grenade launcher.
- 12 *Weapon station* serves as rotating mounting platform for weapon components; can be continuously rotated 360°.

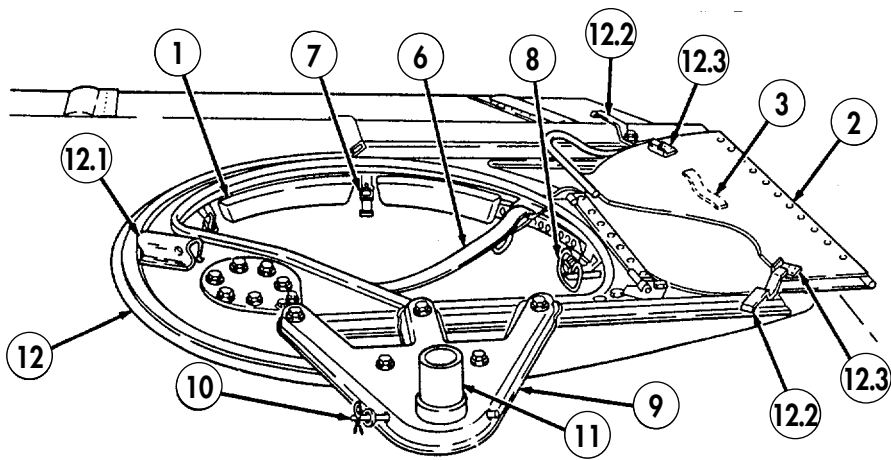
NOTE

Items 12.1 through 12.3 apply to M1151 vehicles only.

- 12.1 *Turret Positioning Handle* provides positive right-hand grip to rotate weapon station.
- 12.2 *Hatch Cover Retaining Latches* (two each) secure to latch catches for retaining station cover in the open position.
- 12.3 *Hatch Cover Retaining Catches* (two each) are connection points for retaining latches.

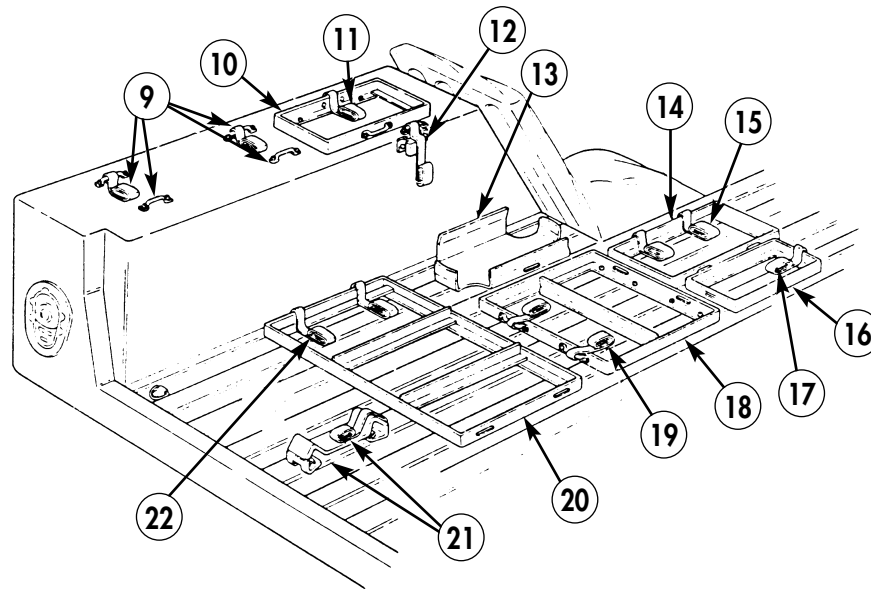


M1114



M1151

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KEY ITEM AND FUNCTION

NOTE

Items 9 through 22 apply to M1151 vehicles only.

- 9 *Spare barrel and cleaning kit footman loops and straps (two each) secure spare barrel and cleaning kit for M2 caliber .50 machine gun.*
- 10 *Ammo box rack provides stowage base for caliber .50 ammo box.*
- 11 *Ammo box footman loop and strap secure caliber .50 ammo box to ammo box rack.*
- 12 *Water can footman loop and strap secure 5 gal. water can to water can bracket.*
- 13 *Water can bracket provides stowage base for 5 gal. water can.*
- 14 *Ammo box rack provides stowage base for 40 mm ammo box.*
- 15 *Ammo box footman loops and straps (two each) secure 40 mm ammo box to ammo box rack.*
- 16 *Ammo box rack provides stowage base for caliber .50 ammo box.*
- 17 *Ammo box footman loop and strap secure caliber .50 ammo box to ammo box rack.*
- 18 *Ammo box rack provides stowage base for two 40 mm ammo boxes.*
- 19 *Ammo box footman loops and straps (two each) secure two 40 mm ammo boxes to ammo box rack.*
- 20 *Ammo box rack provides stowage base for three 40 mm ammo boxes.*
- 21 *Tripod mounting bracket and straps (two each) provide stowage for M3 tripod.*
- 22 *Ammo box footman loops and straps (two each) secure three 40 mm ammo boxes to ammo box rack.*

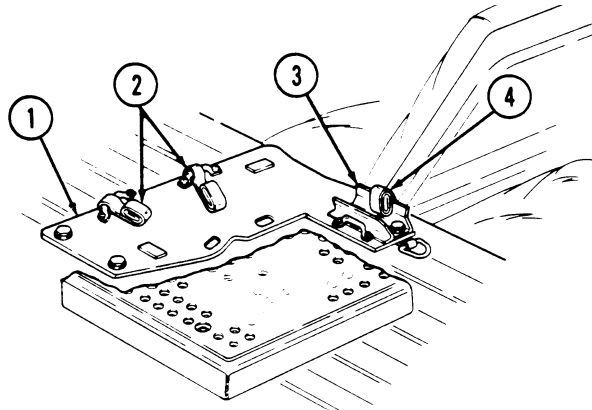
2-2. CONTROLS, INDICATORS, AND EQUIPMENT (Cont'd)

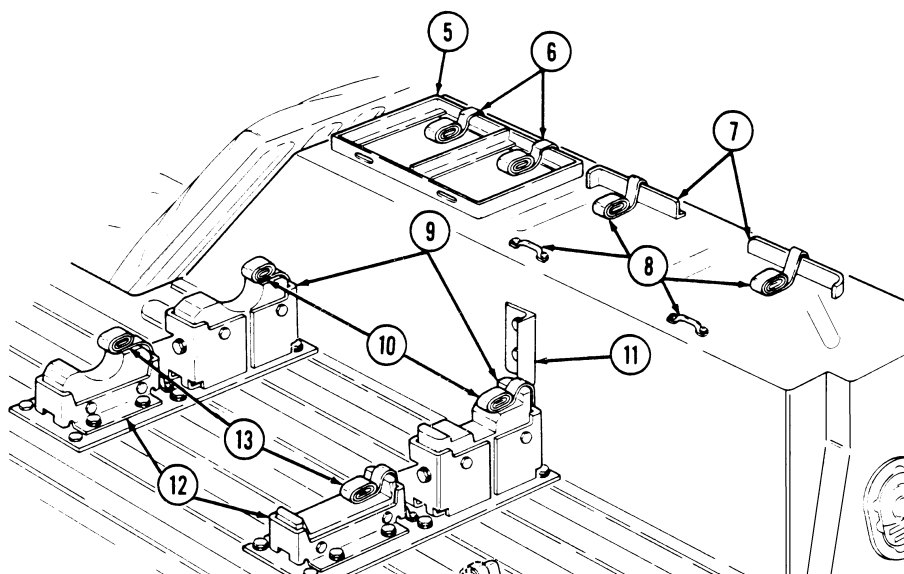
KEY ITEM AND FUNCTION

NOTE

Items 1 through 13 apply to M1151 vehicles only.

- 1 *Gun mount adapter plate* provides mounting base for stowage of 40 mm gun mount adapter.
- 2 *Gun mount footman loops and straps* (two each) secure 40 mm gun mount adapter to gun mount adapter plate.
- 3 *Pintle adapter bracket* provides mounting base for stowage of pintle adapter.
- 4 *Pintle adapter footman loop and strap* secure pintle adapter to pintle adapter bracket.
- 5 *Ammo box rack* serves as stowage base for two caliber .50 ammo boxes.
- 6 *Ammo box footman loops and straps* (two each) secure two caliber .50 ammo boxes to ammo box rack.
- 7 *Night sight case stowage brackets* (two each) provide mounting for night sight case.
- 8 *Night sight case footman loops and straps* (two each) secure night sight case to night sight stowage brackets.
- 9 *Grenade launcher stowage brackets* (two each) provide mounting base for stowage of MK19 grenade launcher.
- 10 *Grenade launcher straps and footman loops* (two each) secure MK19 grenade launcher to grenade launcher stowage brackets.
- 11 *Gun stop* restricts movement of stowed MK19/40 mm grenade launcher.
- 12 *Machine gun mounting brackets* (two each) provide mounting base for stowage of M2 caliber .50 machine gun.
- 13 *Machine gun straps and footman loops* (two each) secure M2 caliber .50 machine gun to machine gun mounting brackets.

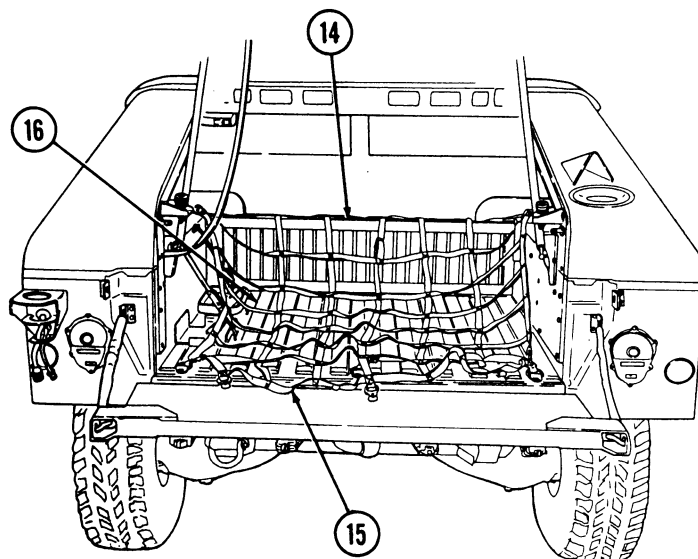




e.1. Armament Carrier (M1151) Equipment (cargo barrier and net kit)

KEY ITEM AND FUNCTION

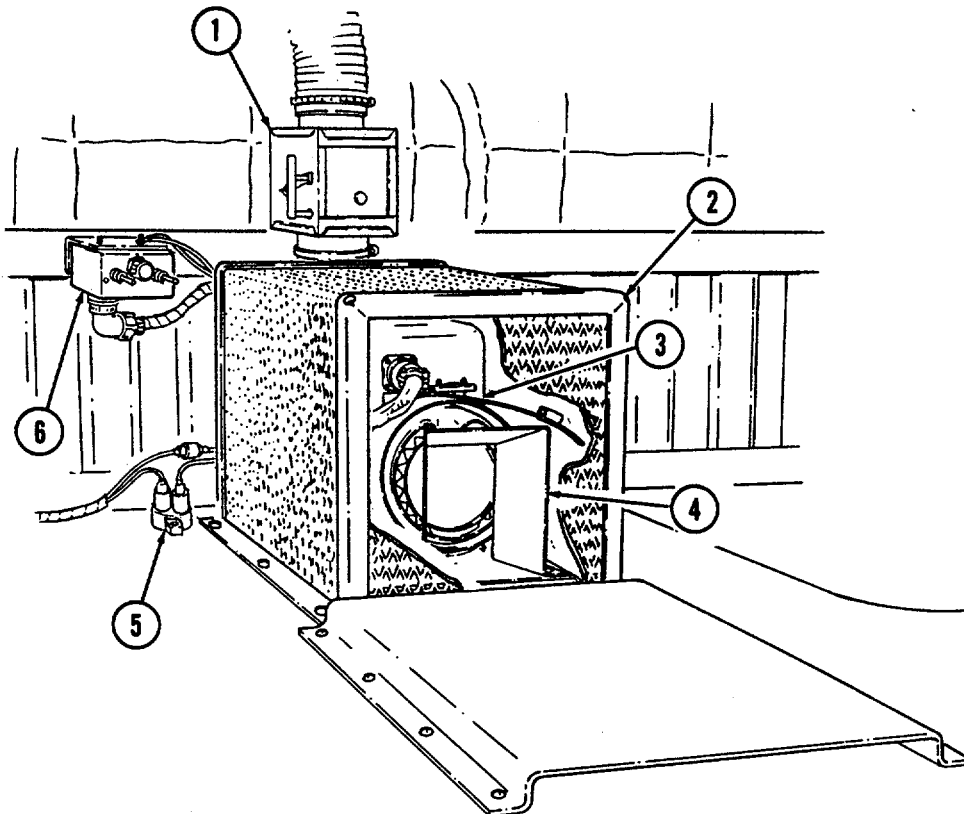
- 14 *Cargo barrier* prevents movement of cargo into the cab area during vehicle operation.
- 15 *Stowage compartment net* secures cargo to the cargo floor and limits movement of cargo during vehicle operation.
- 16 *Antiskid strips* (nine each) prevent cargo from sliding around in the cargo area.



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f. Troop/Cargo Winterization Kit Equipment.**KEY ITEM AND FUNCTION**

- 1 *Diverter assembly (damper)* regulates amount of fresh outside air, interior air, or a mixture of both to be circulated through the heater assembly.
- 2 *Heater guard assembly* protects personnel from accidental contact with hot heater components.
- 3 *Heater* provides a flow of heated air to interior of troop/cargo enclosure assembly.
- 4 *Heater deflector* directs heated air from heater to all areas of troop/cargo enclosure assembly.
- 5 *Circuit breaker* protects heater assembly from damage caused by electrical overloading. The circuit breaker is waterproof and automatically resets.
- 6 *Heater control assembly* operates heater and controls blower motor speed.



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Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

2-3. GENERAL

A permanent record of the services, repairs, and modifications made to these vehicles must be recorded. See DA Pam 738-750 for a list of the forms and records required and how to complete them.

Refer to TM 9-2320-387-10, chapter 2, section II, for any preventive maintenance checks and services (PMCS) not covered in this section.

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Table 2-2. Preventive Maintenance Checks and Services (Cont'd).

Item No.	Interval	Location	Crewmember Procedure	Not Fully Mission Capable If:
		Item to Check/Service		
15	Before	Weapon Station	<u>DRIVER (M1114 AND M1151 ONLY)</u> NOTE Weapon station binding should be checked with weapon system or equivalent weight applied to turret. Refer to appropriate system TM to determine weight of weapon system. a. Check weapon station for binding by rotating 360° in both directions at least five times. b. Check armament mounting plate and bearing sleeve for security of mounting and obvious damage that would impair operation.	a. Weapon station binds. b. Armament weapons required for missions and mounting plate or bearing sleeve missing, or any damage that will prevent or impair mounting of armament weapons.
16	During	Controls and Indicators	<u>DRIVER</u> a. Monitor fuel gauge. b. Monitor engine oil pressure gauge. c. Monitor coolant temperature gauge.	b. Engine oil pressure gauge reads less than approximately 40 psi (276 kPa) under normal driving conditions or less than 6 psi (41 kPa) at idle. c. Coolant temperature gauge reads greater than 230°F (110°C).

Table 2-2. Preventive Maintenance Checks and Services (Cont'd).

Item No.	Interval	Location	Crewmember Procedure		Not Fully Mission Capable If:	
		Item to Check/Service				
39	Weekly	Tires (Cont'd)				
VEHICLE			FRONT		REAR	
			Standard psi	Metric kPa	Standard psi	Metric kPa
UNLOADED*						
M1113, M1151, M1152			15	103	25	172
M1114			35	241	45	310
AT GVW (M1113, M1151, M1152)			30	207	40	276
AT GVW (M1114)			40	276	50	345
MUD, SAND, AND SNOW (30 mph [48 km] max. speed).			20	138	30	207
*Driver plus one passenger						
40	Weekly	Exhaust System	<u>DRIVER</u> Check exhaust system for security of all mounts, tightness of clamps and bolts, rusted conditions, damaged pipes, and any indication of an exhaust leak.			Any mounts are broken, pipes are rusted through or broken, or any indication of an exhaust leak.
41	Weekly	Shock Absorbers	<u>DRIVER</u> Visually inspect shock absorbers for leaks, damage, and security of mounting.			Class III leakage or damage is evident; mounting damaged or loose.

Table 2-2. Preventive Maintenance Checks and Services (Cont'd).

Item No.	Interval	Location	Crewmember Procedure	Not Fully Mission Capable If:
		Item to Check/Service		
42	Weekly	Doors and Windows	<u>DRIVER (M1113 AND M1152 ONLY)</u> Check operation of doors and windows.	
42.1	Weekly	Doors and Windows	<u>DRIVER (M1114 ONLY)</u> a. Inspect crew door locks for proper operation. b. Inspect inner surface of door glass (spall liner) for complete breaks, delamination, scratches, gouges, tape, decals, adhesives, or blurred vision. c. Inspect outer surface of door glass for a complete break. d. Inspect door armor for cracks. If cracks are found, see note in para. 2-3 and notify unit maintenance.	
42.2	Weekly	Crew Door	<u>DRIVER</u> (M1151) a. Check crew door assembly for visible cracks that would make door unserviceable or unable to secure properly. b. Check crew door assembly latch, hinges, and door handle for damage, looseness, or missing parts.	a. Visible cracks or door does not secure properly. a. Loose, missing, or unserviceable parts.
43	Weekly	Tailgate	<u>DRIVER</u> Check operation of tailgate. Check that tailgate latches securely and operates properly.	

Table 2-2. Preventive Maintenance Checks and Services (Cont'd).

Item No.	Interval	Location	Crewmember Procedure	Not Fully Mission Capable If:
		Item to Check/Service		
44	Weekly	Body	<u>DRIVER (M1114 AND M1151 ONLY)</u> a. Inspect cargo shell door for bends, warping, binding, and ease of operation. Inspect latching mechanisms for proper operation. Inspect lift cylinders for bends and security of mounting. a.1. Inspect retaining wire rope for damage and security of mounting. b. Inspect strap assembly for frays and security of mounting. c. Check cargo shell door for alignment as follows: (1) Insert a piece of paper between the door seal and door opening. (2) With door closed, seal should offer resistance to pulling out paper. If door seal does not offer resistance, adjustment is required. d. Check crew compartment armor for security of mounting. e. Check armor for loose or missing fasteners. Notify unit maintenance if any are found. f. Check armor components for cracks.	a. Lift cylinders or latches bent, warped, binding, or inoperative. a.1. Retaining wire rope is damaged, missing, or not secured. f. Armor components are cracked.

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Table 2-2. Preventive Maintenance Checks and Services (Cont'd).

Item No.	Interval	Location	Crewmember Procedure	Not Fully Mission Capable If:
		Item to Check/Service		
54	Weekly	Parking Brake	<u>DRIVER</u> Check combination service/parking brake assemblies; inspect parking brake for obstruction of the actuating lever or broken or missing spring.	Actuating lever or spring is broken or missing.
55	Weekly	Windshield Washer	<u>DRIVER</u> a. Visually check windshield washer reservoir for damage. b. Check windshield washer fluid level.	
55.1	Weekly	Rear Troop/Cargo Heater	<u>DRIVER</u> (Vehicle w/Troop/Cargo Winterization Kit) a. Check heater and heater controls for proper operation. b. Check fuel lines and fittings for leaks, cracks, or breaks. c. Check electrical cables and connections for security and frayed or broken wires. d. Check heater exhaust pipe for damage, security of mounting, and missing components. e. Check fuel filter for leaks or damage.	a. Heater inoperable and mission requires heater. b. Class III fuel leakage is evident and mission requires heater. c. Frayed or broken wires. d. Heater exhaust damaged or components missing. e. Class III leak evident.
56	Monthly	Corrosion	<u>DRIVER</u> Visually inspect vehicle for indication of corrosion or cracks and/or breaks.	Any corroded-through condition, cracks or breaks that would affect vehicle operation.

Table 2-2. Preventive Maintenance Checks and Services (Cont'd).

Item No.	Interval	Location	Crewmember Procedure	Not Fully Mission Capable If:
		Item to Check/Service		
57	Monthly	Tailgate	<u>DRIVER</u> Check tailgate for corroded-through condition and/or damage. If tailgate does not latch securely or is damaged, notify unit maintenance.	Any corroded-through condition, or damage that would affect vehicle operation.
58	Monthly	Winch	<u>DRIVER</u> a. Check winch controls for proper operation. b. Check winch cable for kinks, frays, or breaks. c. Inspect tree saver strap for cuts and abrasions. If red safety thread is visible in main body of strap, notify unit maintenance for replacement of strap. d. If it is known the strap has been overloaded, notify unit maintenance for replacement of strap. e. Wrap winch cable (para. 2-28.1).	
59	Monthly	Zippers	<u>DRIVER</u> a. Check canvas top and door zippers for corrosion and/or damage. b. Clean zippers with toothbrush. Apply interlock lubricant (appendix D, item 19) to canvas top, door zippers, and threads that hold zipper in place.	

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2-27. TRAILER TOWING

WARNING

- Towing trailers too large or too small for the vehicle capacity is dangerous. These trailers do not track vehicle properly, cargo shifting occurs, and the likelihood of trailer capsizing during movement is increased. This could result in damage to equipment and injury or death to personnel.
- M1113 and M1114 vehicles are not authorized to tow M1101 or M1102 trailers unless they have been retrofitted with MWO 9-2320-280-20-6; Airlift Bumper Reinforcement. Towing these trailers without the airlift bumper reinforcement MWO applied could result in damage to equipment or injury or death to personnel.

CAUTION

Be sure to close tailgate before towing trailer. Failure to do so may cause damage to the master cylinder.

NOTE

- Towing any trailer with a HMMWV other than the authorized M116 Series, M101 Series, M1101, and M1102 trailers or a M102 howitzer is not authorized.
- When towing a trailer, the maximum safe slope is reduced from 40% to 30%.

The M1113, M1114, M1151, and M1152 vehicles are capable of towing a M116 Series, M101 Series, M1101, or M1102 trailers and the M102 howitzer. The M1113 and M1114 vehicles have a maximum towed load capacity of 4,200 lb (1,907 kg) as specified in table 2-3.1.

Only vehicles that have been retrofitted with MWO 9-2320-280-20-6, Airlift Bumper Reinforcement, are authorized to tow M1101 and M1102 trailers.

Trailer payloads should be evenly distributed to prevent excessive tongue loads.

Table 2-3.1 Vehicle Trailer Towing Requirements.

HMMWV Model Number	Vehicle Description	MWO Requirements				Remarks
		M1101	M1102	<3400 lb (1544 kg)	<4200 lb (1907 kg)	
M1113	S250 Shelter Carrier	A	A	A	A	See Note
M1114	Up-Armored	A	A	A	A	—
M1151	Armament Carrier	X	X	X	X	—
M1152	Heavy Variant	X	X	X	X	—
Key: A = MWO 9-2320-280-20-6 <3400 lb (1544 kg) = Any system mounted on HMT Chassis with GVW of 3400 lb (1544 kg) or less. <4200 lb (1907 kg) = Any system mounted on HMT Chassis with GVW of 4200 lb (1907 kg) or less. X = Towing capabilities and requirements for designated models.						
Note: Pintle extensions are required on vehicles with Shelter Standardized Integrated Command Post System (SICPS) type II. If vehicle is equipped with SICPS (M788) mounted, MWO 9-2320-280-20-6 is not required.						

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- b. After engine starts, pull out hand throttle until desired engine speed is obtained. Twist handle to lock hand throttle.
- c. Allow engine to warm up at an increased speed for approximately three minutes.
- d. After warm-up period, unlock and push in hand throttle. Allow engine speed to decrease.

2-42. OPERATING IN EXTREME COLD, ON ICE OR SNOW

a. Before Operation.

- (1) Operate vehicular winterization equipment (para. 2-50).
- (2) Scrape off any ice accumulated on vehicle.
- (3) Remove ice and snow from area around air cleaner intake cap.
- (4) Refer to para. 2-41 for cold weather starting instructions.
- (5) Refer to para. 2-40 for techniques that can be used when operating on unusual terrain.
- (6) Refer to para. 3-22 for tire chain installation and operation.
- (7) Operate troop/cargo winterization heater, if applicable (para. 2-50.1).

b. During Operation.

WARNING

- Vehicle operation in snow is a hazardous condition. Operator must travel at reduced speeds and be prepared to meet sudden changes in road conditions. Failure to maintain safe stopping distances may cause damage to vehicle and injury or death to personnel.
- Pump brakes gradually when stopping vehicle on ice or snow. Sudden braking will cause wheels to lock and vehicle to slide out of control, causing damage to vehicle and injury or death to personnel.
- Chock blocks shall be used when parking a vehicle in extreme cold conditions. Failure to do so may result in injury to personnel or damage to equipment.

NOTE

Keep area around air cleaner intake cap clear of snow and ice. Snow and ice may melt, refreeze, and cause restriction in air intake system. If necessary, remove intake cap and clear ice and snow without damaging intake cap screen. Hold the cap near the vehicle exhaust to quickly melt ice without damaging screen.

- (1) Place transmission shift lever in **(D)** (overdrive), and transfer case shift lever in H/L (high/lock range). Place vehicle in motion slowly to prevent wheels from spinning.

NOTE

If additional power is needed to extract vehicle when mired in snow, place transmission in 1 (first) and transfer case in L (low range). After vehicle is extracted from mired condition, immediately return transfer case to H/L (high/lock range) position and transmission to **(D)** (overdrive).

- (2) If rear skidding occurs:
 - (a) Let up on accelerator pedal.
 - (b) Turn steering wheel in direction of skid until control has been regained.
 - (c) Apply brake pedal in a gradual pumping manner.

c. After Operation.

- (1) Remove all ice and snow from underside of vehicle and fuel tank filler cap.
- (2) Drain fuel filter (para. 3-11).

2-50.1. TROOP/CARGO WINTERIZATION HEATER OPERATING INSTRUCTIONS

a. General.

Troop/cargo winterization heater is for use during extremely cold temperatures from 0°F (-18°C) to -50°F (-46°C).

CAUTION

Do not operate troop/cargo heater in ambient temperatures above 0°F (-18°C), or with fan switch in HI position, when temperature is above -25°F (-32°C). Damage to equipment will result.

NOTE

Heater may be operated with engine running or engine off.

b. Starting Heater.

(1) Set heater fan switch (4) to LO position.

(2) Move heater control switch (2) to START position and hold for approximately two minutes or until heater starts and heater indicator light (1) comes on.

(3) When heater starts, move heater control switch (2) to RUN position. The heater indicator light (1) will remain illuminated.

(4) Set heater fan switch (4) to desired position (HI or LO).

NOTE

To defrost the interior of the troop/cargo enclosure, the diverter assembly door should be shut or in the closed position.

(5) Adjust diverter assembly (3) to regulate amount of outside and inside air to be circulated through the heater assembly and into the troop/cargo area.

c. If Heater Fails to Start:

NOTE

If the start switch is moved from the START to RUN position too quickly, the heater flame will be extinguished and the heater will need restarting.

(1) Move heater control switch (2) to OFF position for 10 seconds, and then back to START for 60 seconds. Repeat procedure if heater doesn't start.

NOTE

If heater indicator light works and heater still fails to start in approximately three minutes, service is required

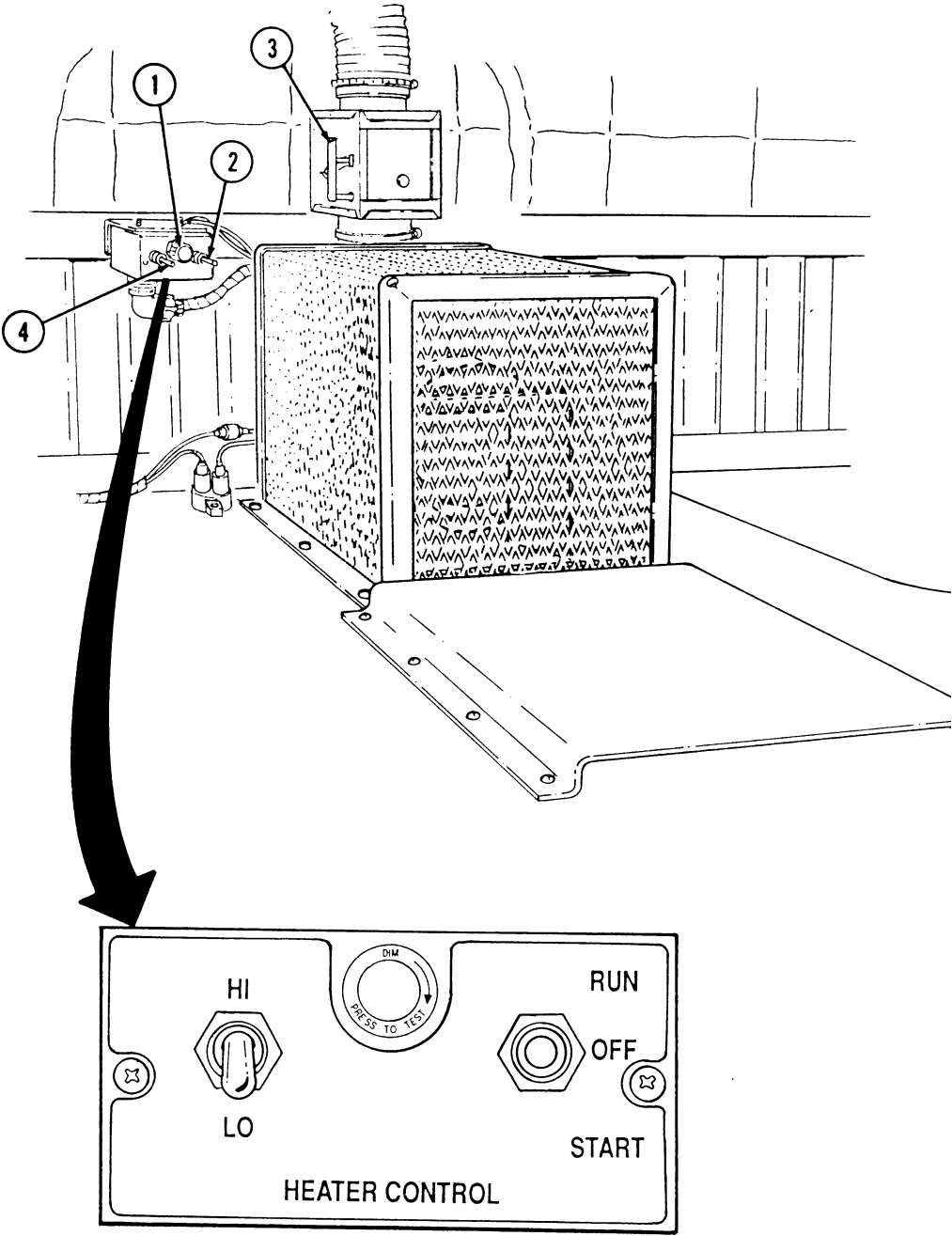
(2) Press heater indicator light (1) to test electrical circuit.

d. Shutting Heater Off.

Move heater control switch (2) to OFF.

NOTE

The heater indicator light will remain on and the fan will continue to run until the heater has purged itself of fuel.



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2-53.1. TROOP SEAT KIT OPERATION

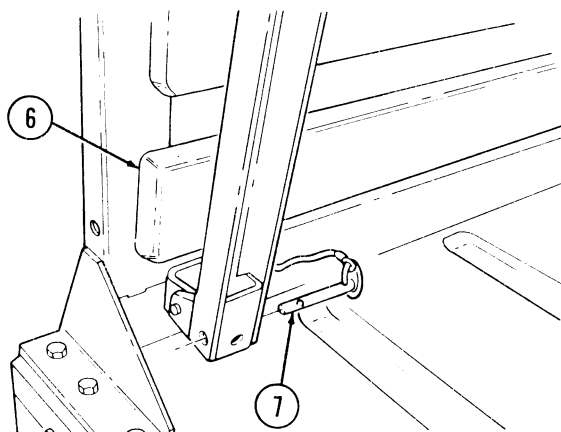
a. General. The troop seat kit is used to convert M1152 cargo vehicles into troop carriers.

b. Lowering Troop Seat.

- (1) Remove two lockpins (7) from troop seat (6).
- (2) Lower troop seat (6).
- (3) Install two lockpins (7) to secure troop seat (6).

c. Raising Troop Seat.

- (1) Remove two lockpins (7) from troop seat (6).
- (2) Raise troop seat (6) and secure with two lockpins (7).



2-54.1. REMOVAL AND INSTALLATION OF TROOP AREA SOFT TOP ENCLOSURES

CAUTION

Remove any accumulation of rain, snow, and ice from the cargo cover as soon as possible. Failure to do so could result in damage to the cargo cover assembly. If the vehicle is to be parked for a long period of time, the cargo cover can be removed. The decision whether or not to remove the cover should be based on the length of time the vehicle is to be parked and the expected weather conditions.

NOTE

- For ease of installation, soft top components should be installed when temperatures are above 72°F (22°C).
- To prevent seams from leaking, coat with adhesive as needed. (Refer to appendix D, item 1.)

a. Removal of Troop Area Enclosure.

(1) Unfasten eyelets (9) from turnbuttons (8) on B-pillar (16), front bow (10), and rear bow (13).

(2) Press locking tab (20) and unhook straps (14) from footman loops (19).

(3) Detach hook and loop attachment securing front flap (7) of troop area soft top (12) from two-man crew area soft top (17). Remove grommets (18) from footman loops (19).

(4) Remove troop area cover (12).

b. Removal of Bows. Remove bows (10), (11), and (13) from bow retainer (15).

c. Installation of Bows. The front bow assembly (10) and rear bow assembly (13) contain turnbuttons (8); the front bow assembly (10) has shorter legs. Install bows (10), (11), and (13) into bow retainers (15).

d. Installation of Troop Area Enclosure.

NOTE

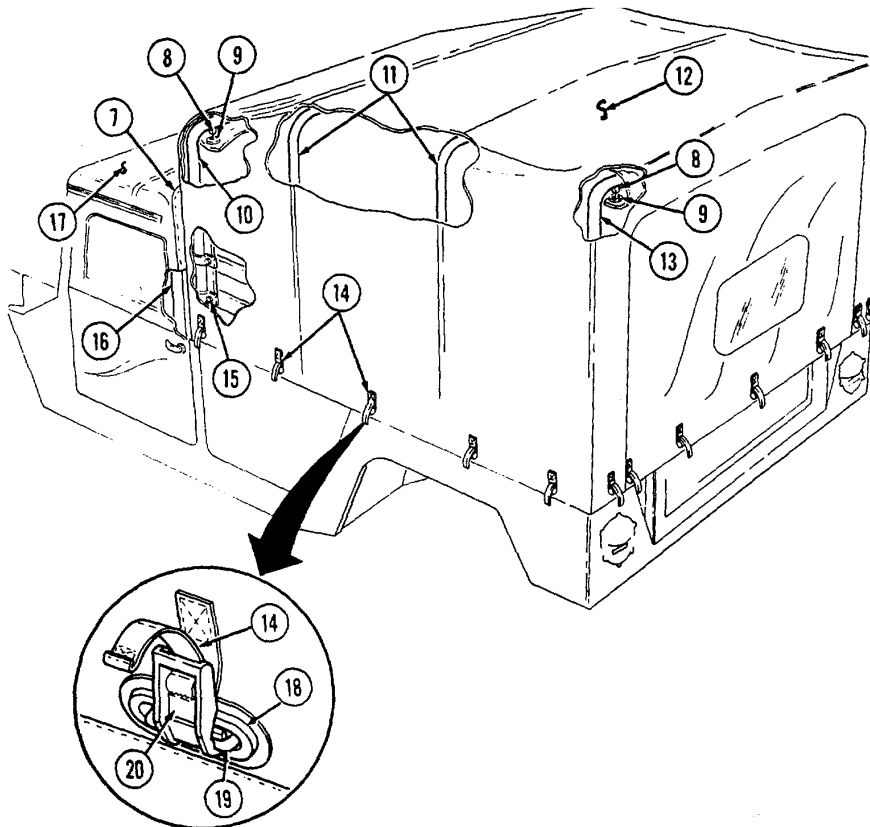
- Troop seats and two-man crew area soft top must be installed prior to installation of bows and troop area enclosure.
- To prevent canvas noise and damage, tiedowns can be added to the canvas at the commander's discretion; refer to unit maintenance.

(1) Install troop area cover (12) over B-pillar (16), front bow (10), intermediate bows (11), and rear bow (13).

(2) Fasten eyelets (9) to turnbuttons (8) on B-pillar (16), front bow (10), and rear bow (13).

(3) Fit troop area cover (12) evenly to ensure tight fit and secure by installing grommets (18) over footman loops (19). Attach straps (14) to footman loops (19) and pull straps (14) tight.

(4) Secure front flap (7) of troop area cover (12) to two-man crew area soft top (17).



2-54.2. REMOVAL AND INSTALLATION OF FOUR-MAN CREW AREA SOFT TOP AND ARCTIC SOFT TOP ENCLOSURES

NOTE

- For ease of installation, soft top components should be installed when temperatures are above 72°F (22°C).
- To prevent seams from leaking, coat with adhesive as needed. (Refer to appendix D, item 1.)

a. General. The four-man soft top and arctic soft top enclosures consist of four soft doors, rear curtain, cab roof cover, and bow assemblies. For removal and installation of doors, refer to para. 2-46. Para. 2-48 covers removal and installation of four-man cab roof cover, rails, bow assemblies, and rear curtain.

b. Removal of Cab Roof Cover, Rails, and Bow Assemblies.

(1) Unfasten eyelets (2) from turnbuttons (3) on horizontal rails (12) and A-pillar (13). Unfasten hook and loop attachments (5) securing cab roof cover (6) to bow assemblies (4) and B-pillar (11).

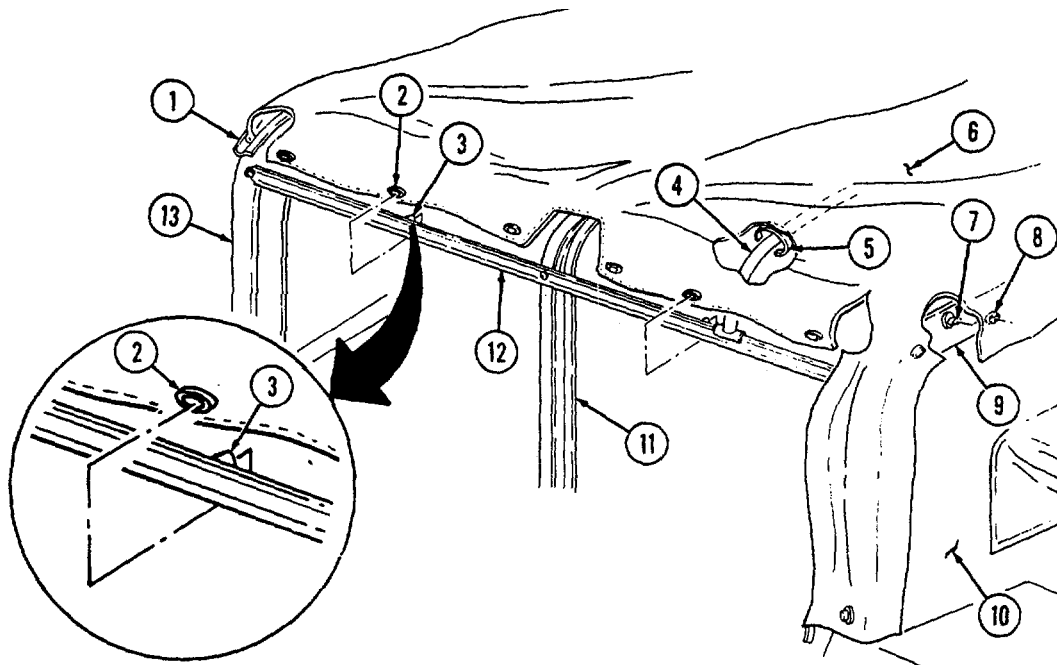
(2) Remove cab roof cover (6) from horizontal rails (12).

(3) Unfasten eyelets (8) from turnbuttons (7) on C-pillar (9).

(4) Roll cab roof cover (6) over windshield and slide cab roof cover (6) from channel (1).

(5) Remove eight screws (14) and two bow assemblies (4) from horizontal rails (12).

(6) Remove six screws (15) and two horizontal rails (12) from A-pillar (13), B-pillar (11), and C-pillar (9).



c. Installation of Rails, Bow Assemblies, and Cab Roof Cover.

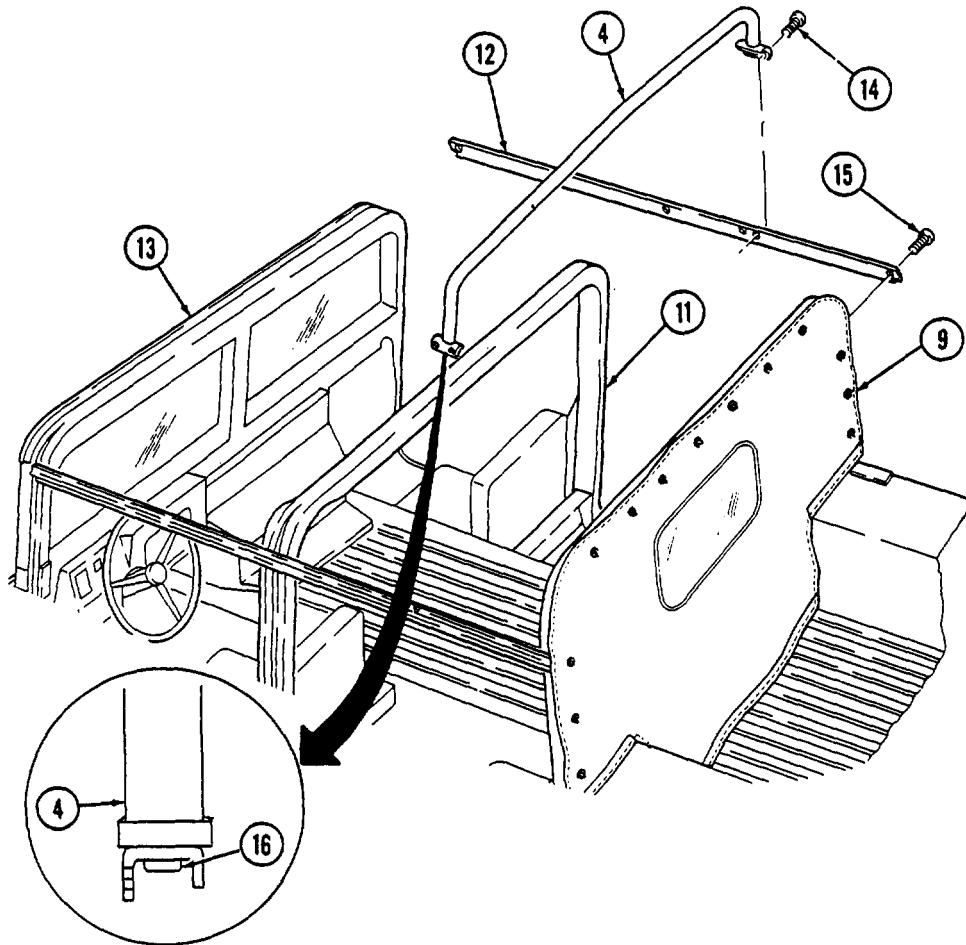
NOTE

Align horizontal rail holes with holes in A, B, and C-pillars.

(1) Install two horizontal rails (12) on A-pillar (13), B-pillar (11), and C-pillar (9) and secure with six screws (15).

(2) Loosen end bracket screws (16), and install two bow assemblies (4) on horizontal rails (12) with eight screws (14). Tighten bracket screws (16).

(3) Slide cab roof cover (6) into channel (1) on A-pillar (13), roll cab roof cover (6) over cab, and fasten eyelets (2) to turnbuttons (3) on A-pillar (13).



(4) Install cab roof cover (6) over rear curtain (10) at C-pillar (9) and fasten eyelets (8) to turnbuttons (7) on C-pillar (9).

(5) Position cab roof cover (6) around horizontal rails (12) and fasten eyelets (2) to turnbuttons (3). Attach cab roof cover (6) to bow assemblies (4) with hook and loop attachments (5).

d. Removal of Rear Curtain.

(1) Detach four curtain straps (11) from footman loops (13) on wheel housings (15) and cargo floor (14) by depressing locking tabs (12).

NOTE

Perform step 2 if vehicle is equipped with four-man arctic cab.

(2) Peel curtain (2) back from fastener tape (3).

(3) Unfasten eyelets (10) from turnbuttons (16) on C-pillar (1).

NOTE

Perform step 4 for vehicles equipped with three-point seatbelts.

(4) Unfasten eyelets (7) from turnbuttons (8) on rear seatbelt bracket (9).

(5) Remove curtain (4).

e. Installation of Rear Curtain.

(1) Install curtain (4) on C-pillar (1) by fastening eyelets (10) to turnbuttons (16).

NOTE

- Perform steps 2 and 3 when installing new curtain on vehicles with three-point seatbelts.
- Ensure P/N 12342475 is used for replacement of rear curtain on vehicles equipped with three-point seatbelt.

(2) Cut away inside curtain panel (17) and remove curtain panel (17) from curtain (4).

(3) Cut away outside curtain panel (6) and remove curtain panel (6) from curtain (4).

(4) Extend rear seatbelt bracket boot (5) and install over rear seatbelt bracket (9).

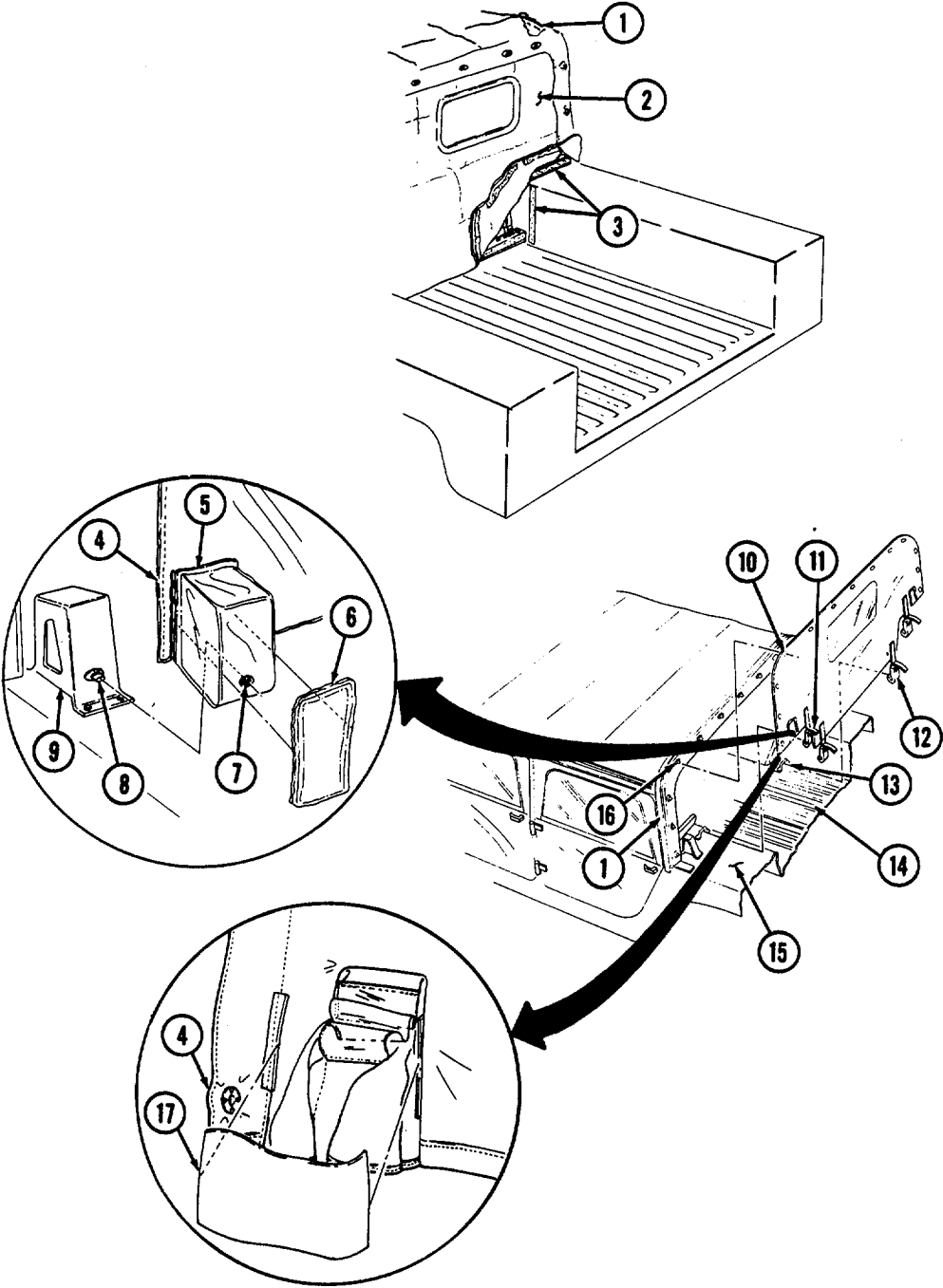
(5) Fasten eyelets (7) to turnbuttons (8) on rear seatbelt bracket (9).

NOTE

Perform step 6 if vehicle is equipped with four-man arctic cab.

(6) Attach curtain (2) to fastener tape (3).

(7) Attach four curtain straps (11) to footman loops (13) on wheel housings (15) and cargo floor (14). Tighten straps (11) equally, but do not overtighten.



2-54.3. REMOVAL AND INSTALLATION OF FOUR-MAN CARGO AREA SOFT TOP ENCLOSURE

CAUTION

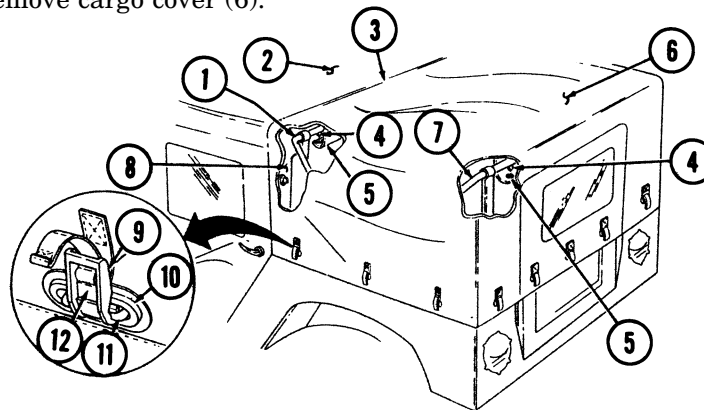
Remove any accumulation of rain, snow, and ice from the cargo cover as soon as possible. Failure to do so could result in damage to the cargo cover assembly. If the vehicle is to be parked for a long period of time, the cargo cover can be removed. The decision whether or not to remove the cover should be based on the length of time the vehicle is to be parked and the expected weather conditions.

NOTE

- For ease of installation, soft top components should be installed when temperatures are above 72°F (22°C).
- To prevent seams from leaking, coat with adhesive as needed. (Refer to appendix D, item 1.)

a. Removal of Cargo Enclosure.

- (1) Unfasten hook and loop attachment (3) securing cargo cover (6) to cab roof (2) at C-pillar (8).
- (2) Unfasten eyelets (5) from turnbuttons (4) on C-pillar (8), front bow (1), and rear bow (7).
- (3) Detach straps (9) from footman loops (11) by depressing locking tabs (12) and loosening straps (9). Remove grommets (10) from footman loops (11).
- (4) Remove cargo cover (6).

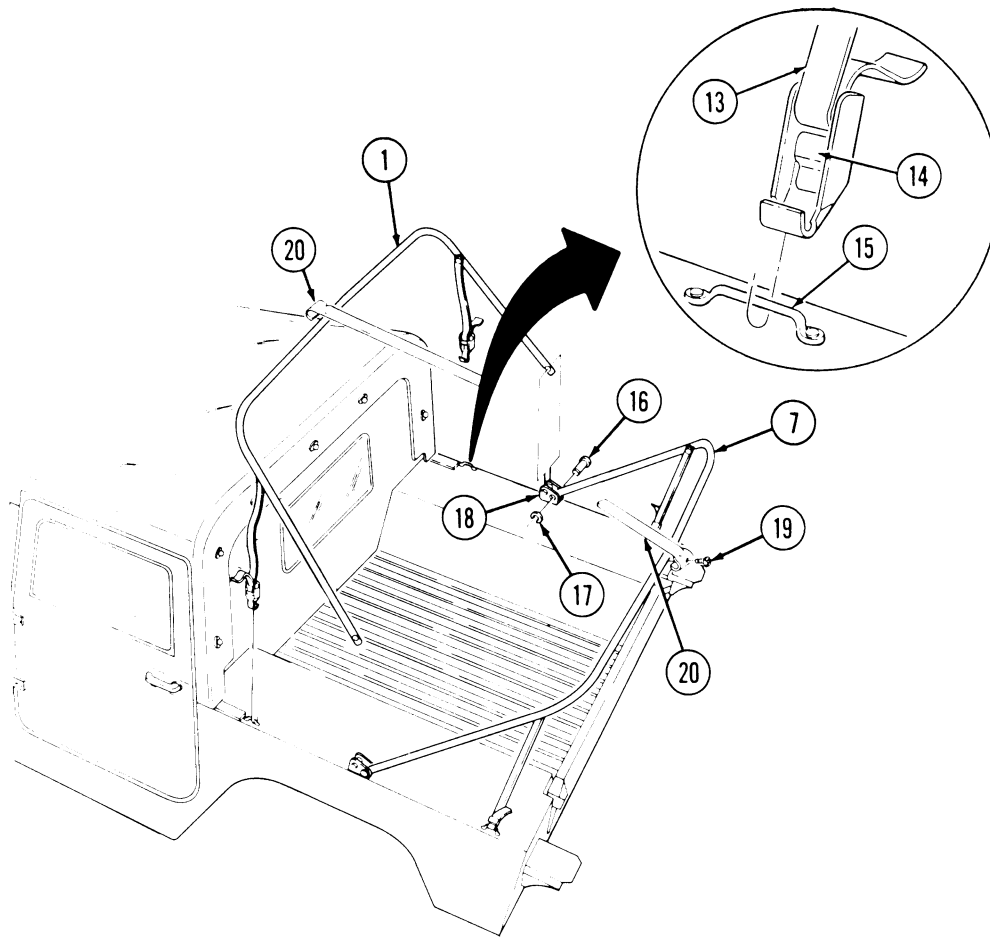


b. Removal of Bows.

NOTE

If bows are broken or bent, reinforce 3/64 in. (1.2 mm) thick bow walls with steel rod NSN 9510-00-596-2063. Reinforce 3/32 in. (2.4 mm) bows with steel rod NSN 9510-00-596-2066.

- (1) Depress locking tabs (14) and unhook straps (13) from footman loops (15).
- (2) Remove capscrews (19) securing longitudinal bow (20) to front bow (1) and rear bow (7). Remove longitudinal bow (20).
- (3) Remove four snaprings (17) and pivot pins (16) securing front bow (1) and rear bow (7) to pivot brackets (18). Remove bows (1) and (7).



c. Installation of Bows.

NOTE

Four-man crew area soft top must be installed before installation of bows and cargo enclosure.

- (1) Install bows (1) and (7) on pivot brackets (18) and secure with four pivot pins (16) and snaprings (17).
- (2) Install longitudinal bow (20) on front bow (1) and rear bow (7) and secure with two capscrews (19).
- (3) Install straps (13) on footman loops (15) and pull straps (13) tight.

d. Installation of Cargo Enclosure.

- (1) Install cargo cover (6) over C-pillar (8), front bow (1), and rear bow (7).
- (2) Fasten eyelets (5) to turnbuttons (4) on C-pillar (8), front bow (1), and rear bow (7).
- (3) Secure cargo (6) to cab roof (2) at C-pillar (8) with hook and loop attachment (3).
- (4) Install grommets (10) on footman loops (11) and attach straps (9) to footman loops (11). Tighten straps (9) equally, but do not overtighten.

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CHAPTER 3

ENGINE SYSTEMS (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 3, for Engine System (Unit) Maintenance.

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CHAPTER 4

ELECTRICAL SYSTEM (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 4, for Electrical System (Unit) Maintenance.

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CHAPTER 5

TRANSMISSION AND TRANSFER CASE (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 5, for Transmission and Transfer Case (Unit) Maintenance.

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CHAPTER 6

PROPELLER SHAFTS, AXLES, AND SUSPENSION (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 6, for any maintenance task not listed below.

6-1. PROPELLER SHAFTS MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
6-18.1.	Air Lifting Bracket Replacement	6-46.2

6-18.1. AIR LIFTING BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

Materials/Parts

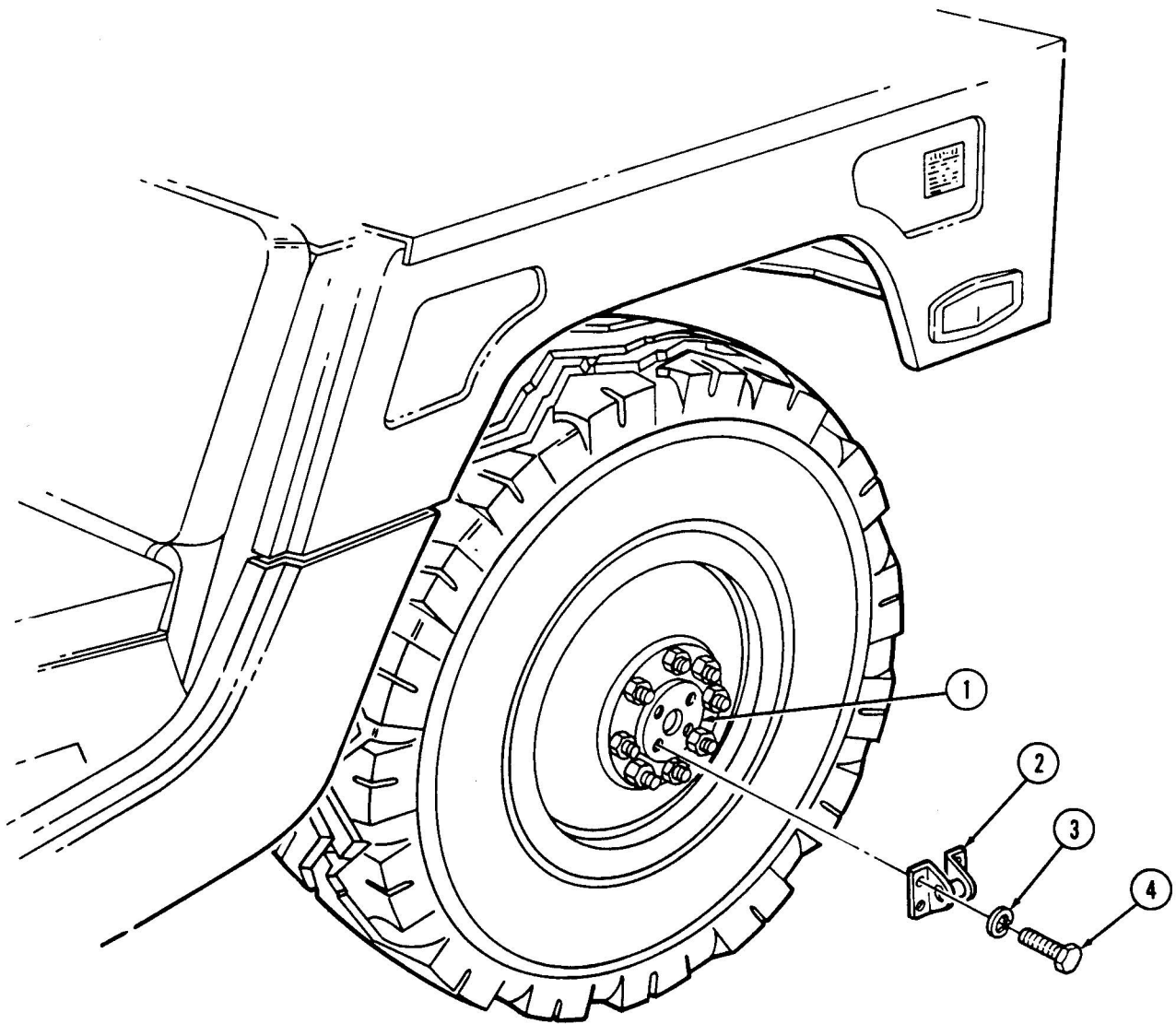
Four lockwashers (Appendix G, Item 101.10)

a. Removal

Remove four capscrews (4), lockwashers (3), and lifting bracket (2) from geared hub (1). Discard lockwashers (3).

b. Installation

Install lifting bracket (2) to geared hub (1) with four lockwashers (3) and capscrews (4). Tighten capscrews (4) to 43 lb-ft (58 N•m).

6-18.1. AIR LIFTING BRACKET REPLACEMENT (Cont'd)

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CHAPTER 7
BRAKE SYSTEM (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 7, for any maintenance task not listed below.

7-1. SERVICE BRAKE SYSTEM MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
7-11.	Brake Protection Guards Replacement	7-34

7-11. BRAKE PROTECTION GUARDS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

All

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six locknuts (without 10,500 lb hydraulic winch) (Appendix G, Item 106)
Three locknuts (with 10,500 lb hydraulic winch) (Appendix G, Item 106)
Six locknuts (Appendix G, Item 82)

Manual References

TM 9-2320-387-24P

Equipment Condition

Vehicle raised and supported (para. 8-2).

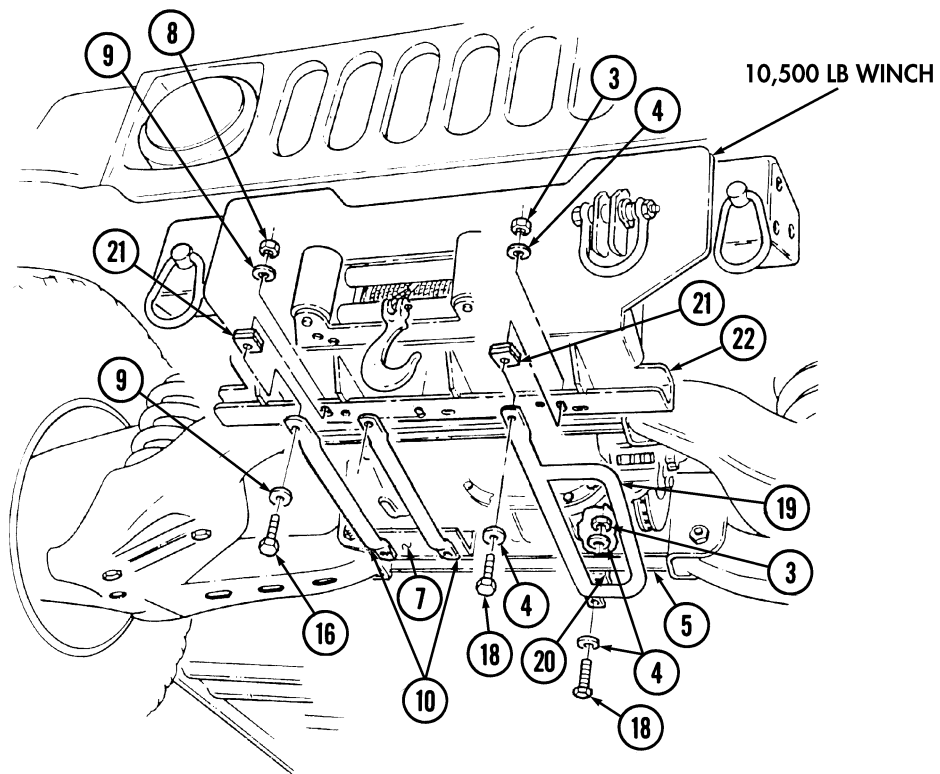
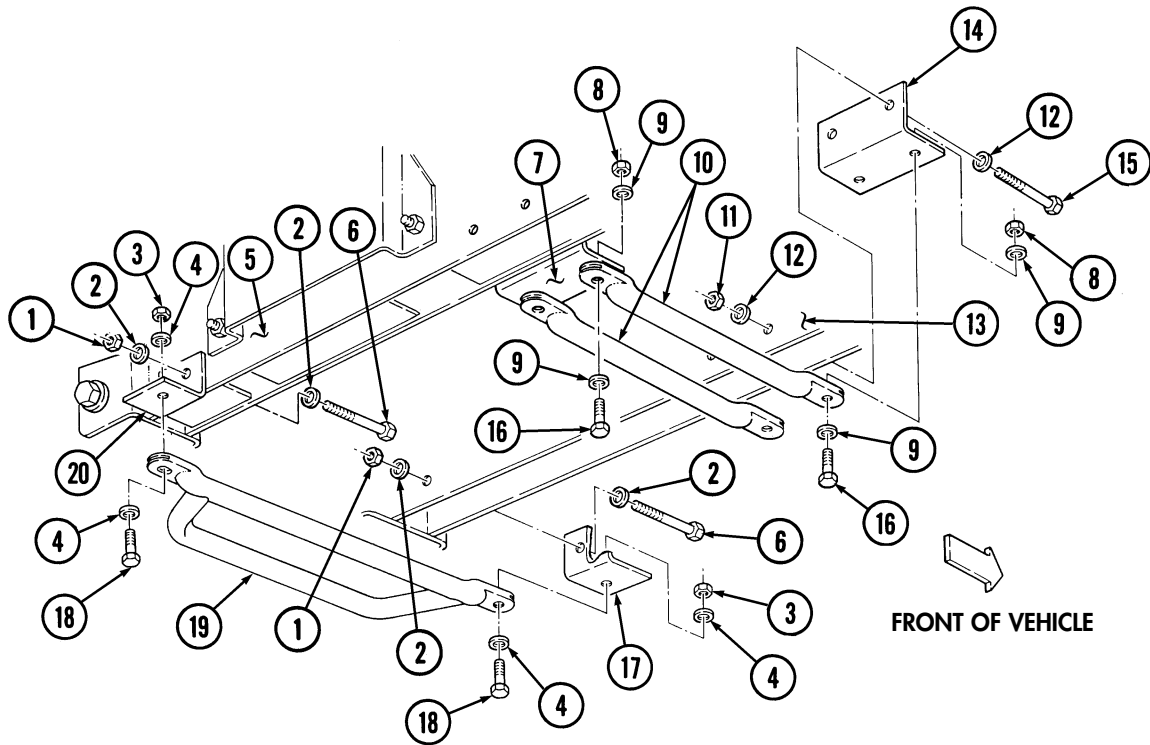
a. Removal

NOTE

Perform steps 1 through 4 for vehicles equipped with 10,500 lb hydraulic winch only.

1. Remove two locknuts (3), washers (4), capscrews (18), washers (4), spacer (21), and left front brake protection guard (19) from bracket (20) and bumper (22). Discard locknuts (3).
2. Remove four locknuts (8), washers (9), capscrews (16), washers (9), two spacers (21), and right front brake protection guards (10) from bracket (7) and bumper (13). Discard locknuts (8).
3. Remove locknut (1), washer (2), capscrow (6), washer (2), and bracket (20) from front rear crossmember (5). Discard locknut (1).
4. Remove two locknuts (11), washers (12), capscrews (15), washers (12), and bracket (7) from front crossmember (5). Discard locknuts (11).
5. Remove two locknuts (3), washers (4), capscrews (18), washers (4), and left front brake protection guard (19) from brackets (17) and (20). Discard locknuts (3).
6. Remove four locknuts (8), washers (9), capscrews (16), washers (9), and right front brake protection guards (10) from brackets (7) and (14). Discard locknuts (8).
7. Remove two locknuts (1), washers (2), capscrews (6), washers (2), and brackets (17) and (20) from front rear crossmember (5) and front crossmember (13). Discard locknuts (1).
8. Remove four locknuts (11), washers (12), capscrews (15), washers (12), and brackets (7) and (14) from front rear crossmember (5) and front crossmember (13). Discard locknuts (11).

7-11. BRAKE PROTECTION GUARDS REPLACEMENT (Cont'd)

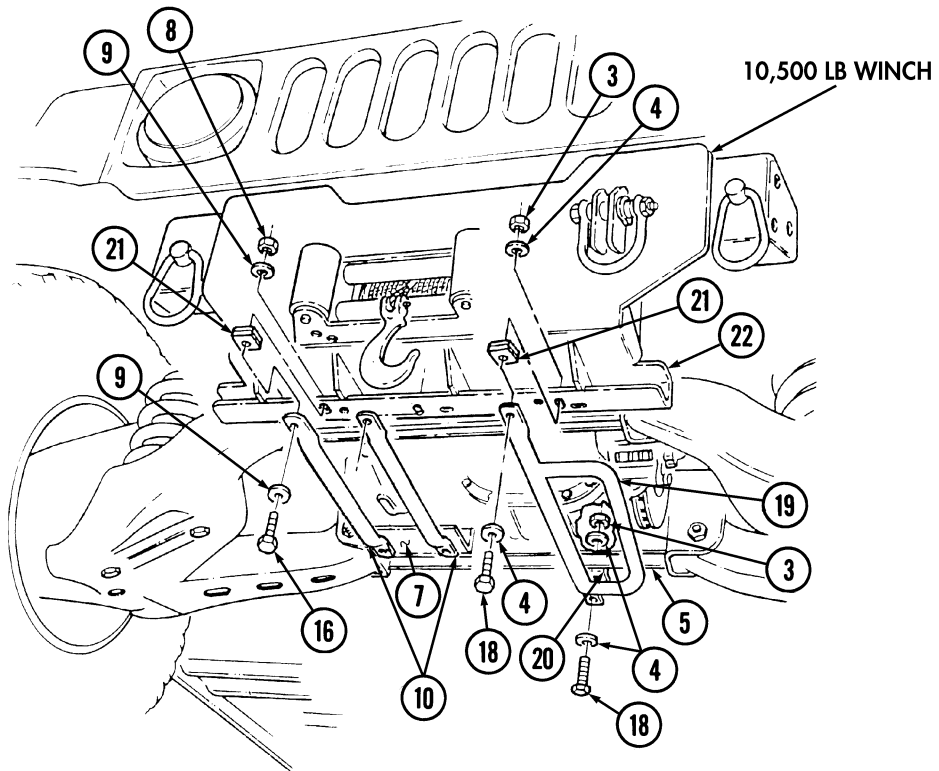
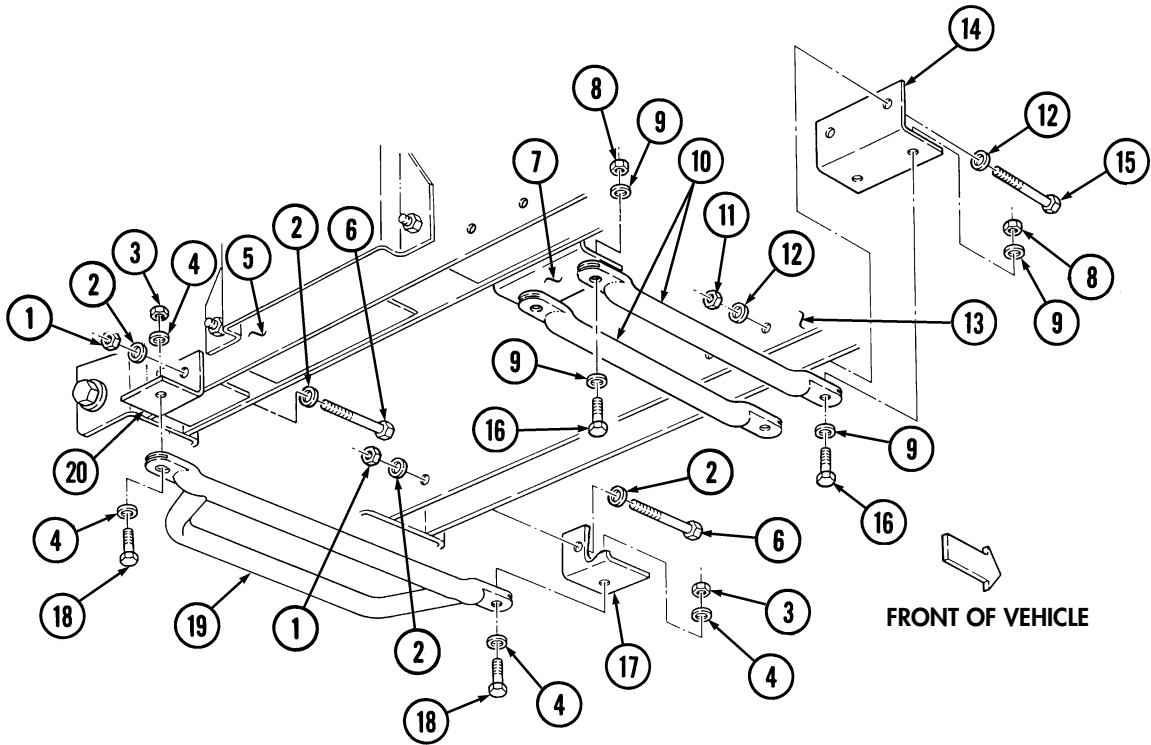


7-11. BRAKE PROTECTION GUARDS REPLACEMENT (Cont'd)**b. Installation****NOTE**

Perform steps 1 through 4 for vehicles with 10,500 lb hydraulic winch only.

1. Install bracket (20) on front rear crossmember (5) with washer (2), locknut (6), washer (2), and locknut (1). Tighten locknut (6) 378 lb ft (513 N•m).
2. Install bracket (7) on front rear crossmember (5) with two washers (12), locknuts (15), washers (12), and locknuts (11). Tighten locknuts (15) 378 lb-ft (513 N•m).
3. Install spacer (21) and left front brake protection guard (19) on bumper (22) and bracket (20) with two washers (4), locknuts (18), washers (4), and locknuts (3). Tighten locknuts (18) 378 lb-ft (513 N•m).
4. Install two spacers (21) and right front brake protection guards (10) on bumper (22) and bracket (7) with four washers (9), locknuts (16), washers (9), and locknuts (8). Tighten locknuts (16) 378 lb-ft (513 N•m).
5. Install brackets (17) and (20) on front rear crossmember (5) and front crossmember (13) with two washers (2), locknuts (6), washers (2), and locknuts (1). Tighten locknuts (6) 378 lb-ft (513 N•m).
6. Install brackets (7) and (14) on front rear crossmember (5) and front crossmember (13) with four washers (12), locknuts (15), washers (12), and locknuts (11). Tighten locknut (15) 378 lb-ft (513 N•m).
7. Install right front brake protection guards (10) on brackets (7) and (14) with four washers (9), locknuts (16), washers (9), and locknuts (8). Tighten locknuts (16) 378 lb-ft (513 N•m).
8. Install left front brake protection guard (19) on brackets (17) and (20) with two washers (4), locknuts (18), washers (4), and locknuts (3). Tighten locknuts (18) 378 lb-ft (513 N•m).

7-11. BRAKE PROTECTION GUARDS REPLACEMENT (Cont'd)



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CHAPTER 8

WHEELS AND STEERING (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 8, for Wheels and Steering (Unit) Maintenance.

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CHAPTER 9

FRAME (UNIT) MAINTENANCE

Refer to TM 9-2320-387-24-1, Chapter 9, for Frame (Unit) Maintenance.

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CHAPTER 10

BODY AND ACCESSORIES (UNIT) MAINTENANCE

Section I. BODY MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 10, for any maintenance task not listed below.

10-1. BODY MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
10-20.1.	Fixed Rear Door Access Panel Replacement	10-32.2
10-26.1.	Windshield Ballistic Glass Replacement	10-48.2
10-31.1.	Left Inner Cowl Insulation Panel Replacement	10-56.2
10-32.1.	Right Inner Cowl Insulation Panel Replacement	10-58.1
10-57.1.	C-Pillar Reinforcement Brackets Installation	10-96.2

10-20.1. FIXED REAR DOOR ACCESS PANEL REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 3)
Fourteen blind rivets (Appendix G, Item 262)
Twelve blind rivets (Appendix G, Item 265)

Manual References

TM 9-2320-387-24P

NOTE

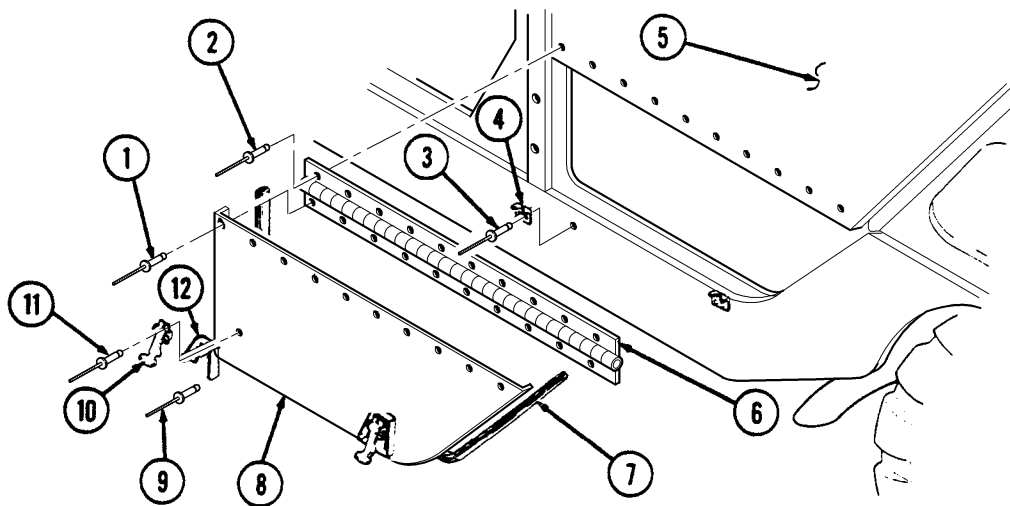
- For instructions on replacement of rivets, refer to para. 10-56.
- Replacement procedures for left and right exterior stowage doors are basically the same. This procedure covers the left stowage door.

a. Removal

1. Remove ten rivets (2), hinge (6), and door (8) from body (5).
2. Remove ten rivets (1) and hinge (6) from door (8).
3. Remove four rivets (11) and two rubber latches (10) from door (8).
4. Remove four rivets (9) and two brushguards (12) from door (8).
5. Remove four rivets (3) and two catches (4) from body (5).
6. Remove seal (7) from door (8). Discard seal (7) if damaged.

b. Installation

1. Apply adhesive to seal (7) and install seal (7) on door (8).
2. Install two catches (4) on body (5) with four rivets (3).
3. Install two brushguards (12) on door (8) with four rivets (9).
4. Install two rubber latches (10) on door (8) with four rivets (11).
5. Install hinge (6) on door (8) with seven rivets (1).
6. Install hinge (6) and door (8) on body (5) with seven rivets (2).



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10-26.1. WINDSHIELD BALLISTIC GLASS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 68)

Manual References

TM 9-2320-387-24P

Personnel Required

One mechanic
One assistant

Equipment Condition

Windshield wiper blade and arm removed
(para. 10-62).

General Safety Instructions

Eyeshields and gloves are required when
installing and removing windshield glass.

WARNING

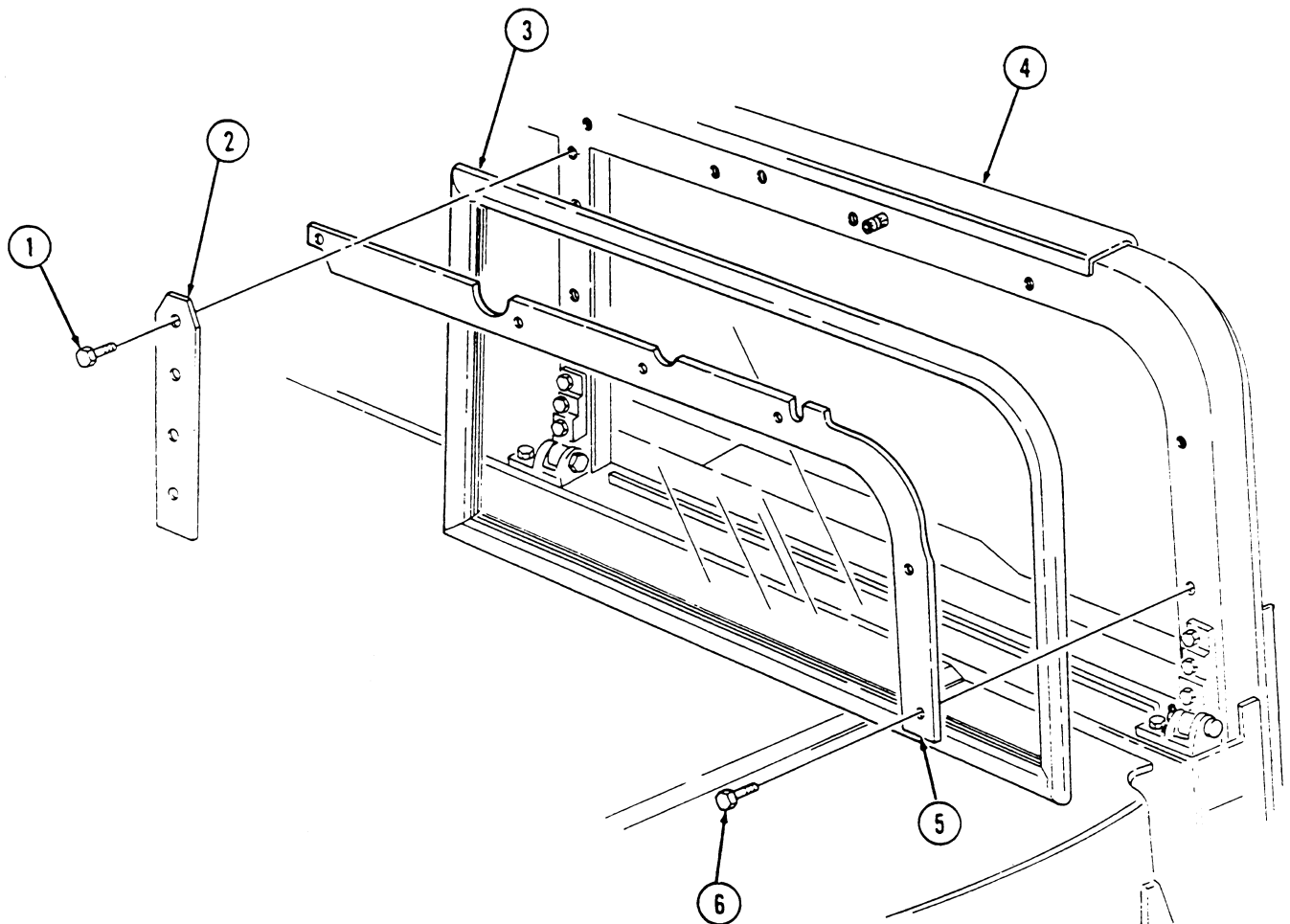
Use eyeshields and gloves when removing and installing
windshield glass. Glass could shatter causing injury.

a. Removal

1. Remove six screws (6) and upper retainer (5) from windshield frame (4).
2. Remove four screws (1) and center retainer (2) from windshield frame (4).
3. Remove ballistic glass (3) from windshield frame (4).
4. Clean sealing compound from windshield frame (4).

b. Installation

1. Apply a 1/8 in. (3 mm) bead of sealing compound around windshield frame (4).
2. Position ballistic glass (3) to windshield frame (4) with marking on weatherstrip facing inward.
3. Install center retainer (2) on windshield frame (4) with four screws (1).
4. Install upper retainer (5) on windshield frame (4) with six screws (6).

10-26.1. WINDSHIELD BALLISTIC GLASS REPLACEMENT (Cont'd)

FOLLOW-ON TASK: Install windshield wiper blade and arm (para. 10-62).

10-31.1. LEFT INNER COWL INSULATION PANEL REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151, M1152

Tools

General mechanic's tool kit, automotive:
(Appendix B, Item 1)

Materials/Parts

Cotter pin (Appendix G, Item 11)
Four locknuts (Appendix G, Item 112)
Three assembled locknuts
(Appendix G, Item 131)
O-ring (Appendix G, Item 216)

Personnel Required

One mechanic
One assistant

Manual References

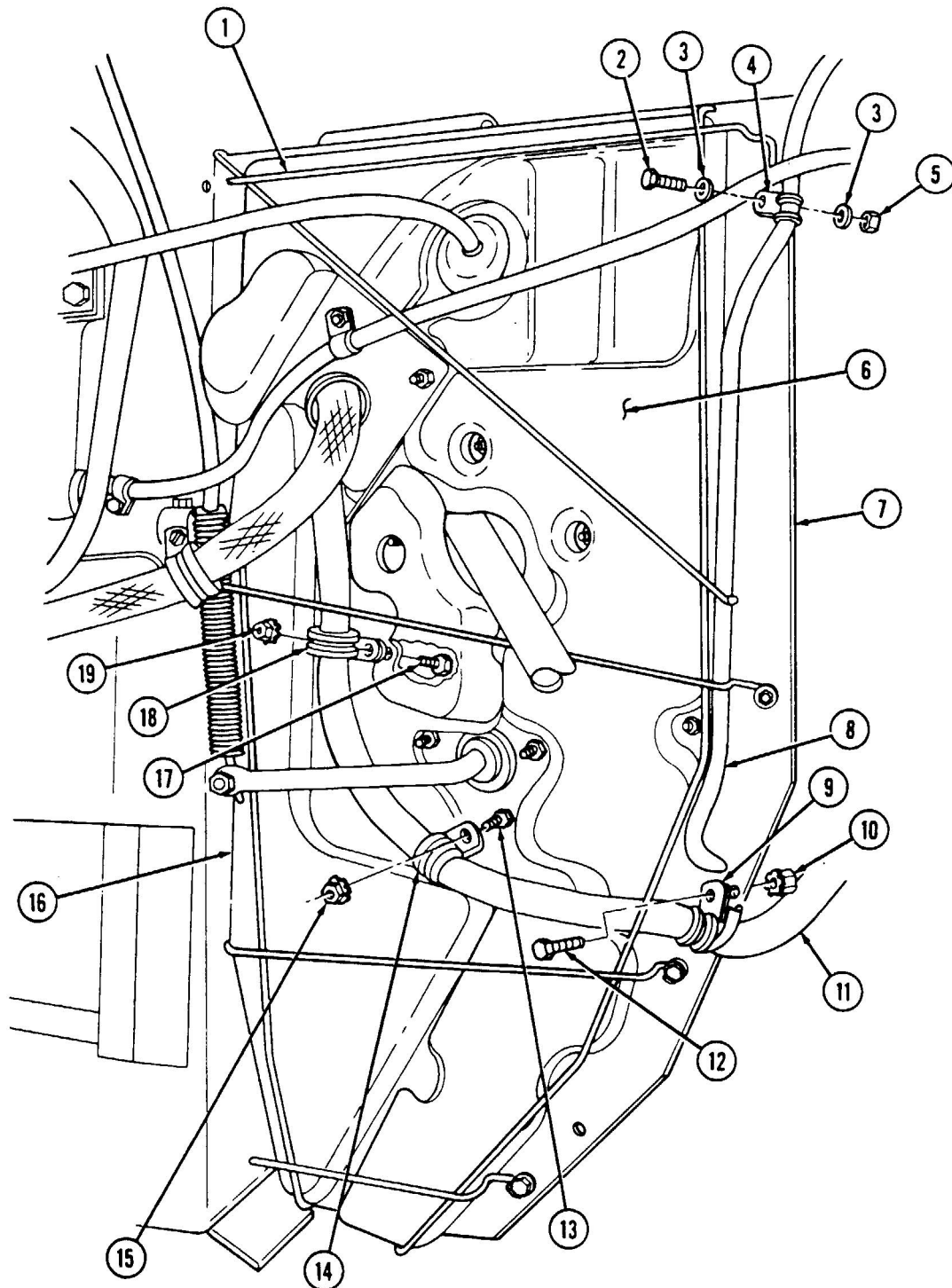
TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Hood raised and secured (TM 9-2320-387-10).

a. Removal

1. Remove four locknuts (5), washers (3), capscrews (2), and washers (3) from harness clamp (4), brake harness (8), retainer (1), and cowl (7). Discard locknuts (5).
2. Remove assembled locknut (10), capscrew (12), and harness clamp (9) from body harness (11), brake harness (8), and cowl (7). Discard assembled locknut (10).
3. Remove assembled locknut (15) and capscrew (13) from harness clamp (14) and cowl (7) and disconnect body harness (11) from cowl (7). Discard assembled locknut (15).
4. Remove upper insulation panel (6) by sliding up and out from between retainer (1) and cowl (7).
5. Remove assembled locknut (19) and capscrew (17) from clamp (18) and cowl (7). Discard assembled locknut (19).
6. Remove lower insulation panel (16) by sliding down between retainer (1) and cowl (7).

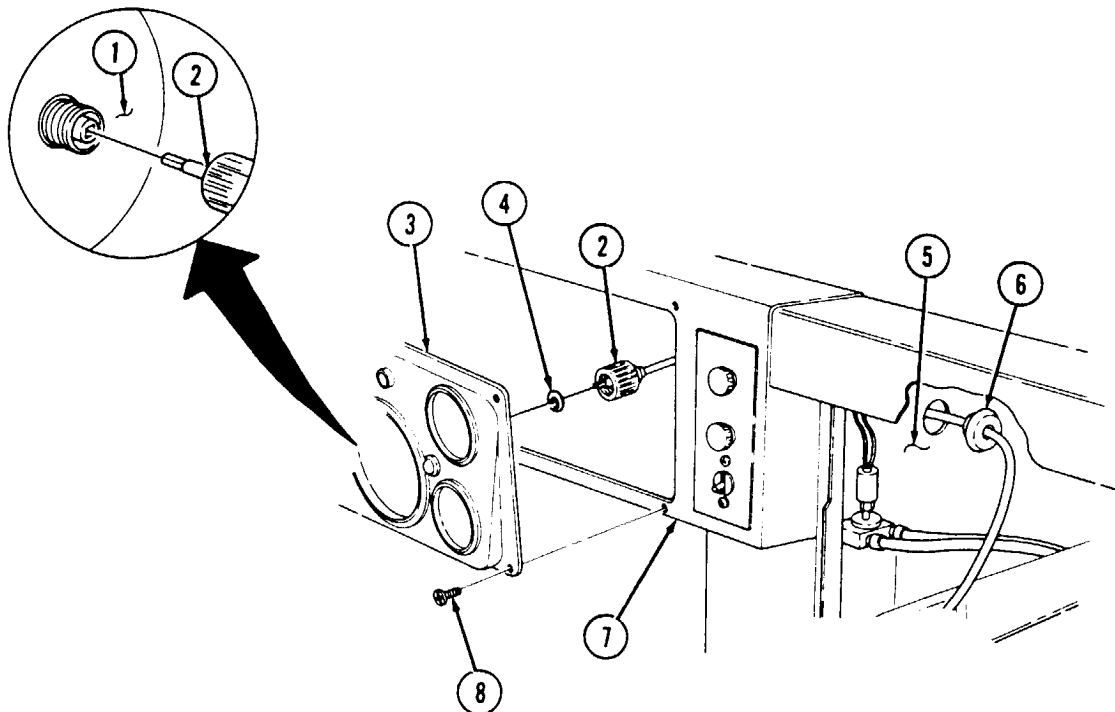
10-31.1. LEFT INNER COWL INSULATION PANEL REPLACEMENT (Cont'd)

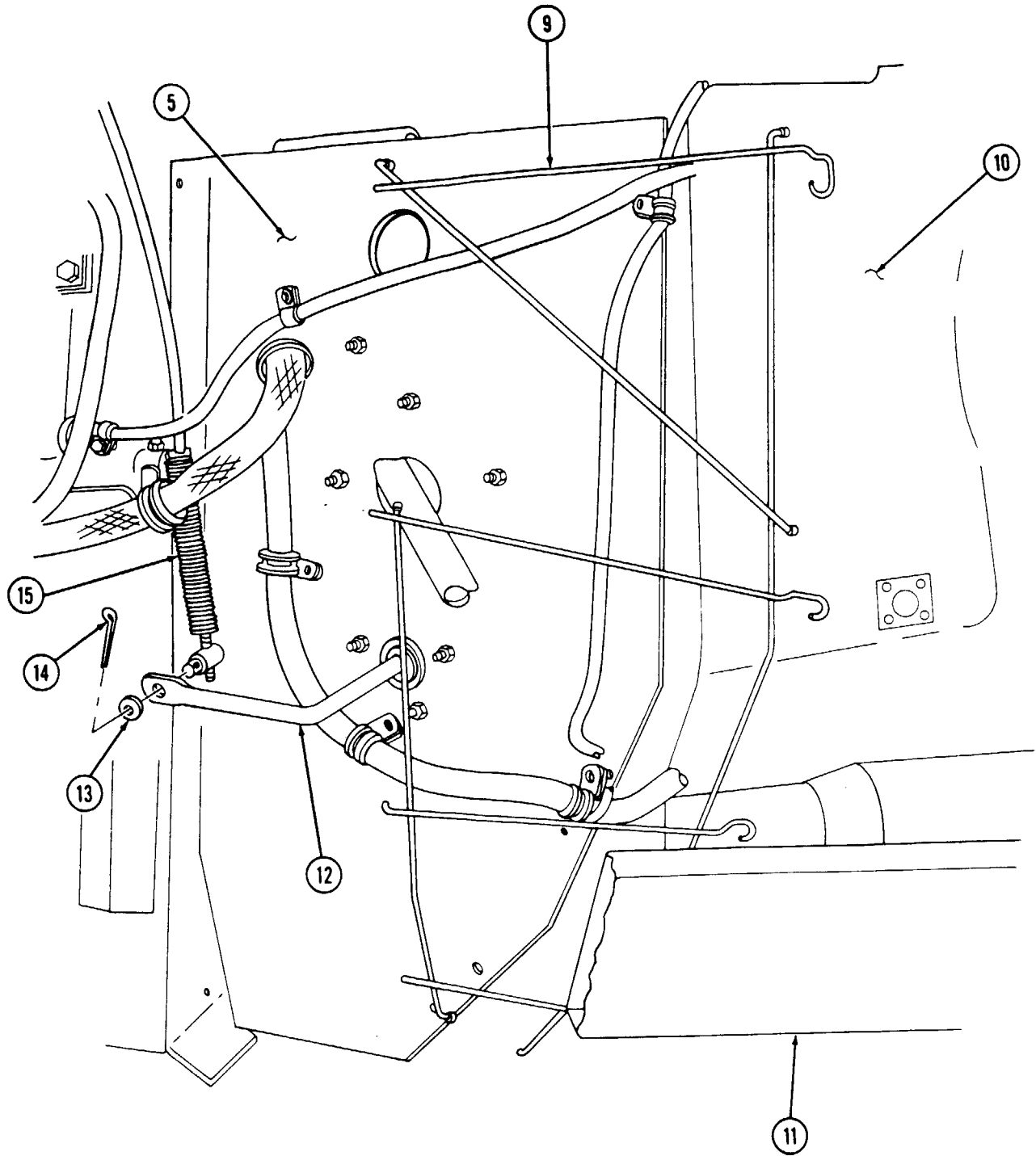
10-31.1. LEFT INNER COWL INSULATION PANEL REPLACEMENT (Cont'd)

7. Remove four screws (8) from instrument cluster (3) and dash panel (7) and pull instrument cluster (3) away for access to speedometer cable (2).
8. Remove speedometer cable (2) and O-ring (4) from speedometer (1). Discard O-ring (4).
9. Remove grommet (6) from cowl (5) and route speedometer cable (2) through cowl (5).
10. Remove cotter pin (14), washer (13), and accelerator cable (15) from linkage (12). Discard cotter pin (14).
11. Pull retainer (9) clear of linkage (12) and remove retainer (9) from between splash shield (10) and frame rail (11) by pulling forward and then down.

b. Installation

1. Install retainer (9) by sliding up between splash shield (10) and frame rail (11) forward of cowl (5), and then sliding back to mounting position on cowl (5).
2. Connect accelerator cable (15) to linkage (12) with washer (13) and cotter pin (14).
3. Route speedometer cable (2) through cowl (5). Install O-ring (4) into end of speedometer cable (2) and connect speedometer cable (2) to speedometer (1).
4. Install instrument cluster (3) on dash panel (7) with four screws (8).
5. Install grommet (6) on speedometer cable (2) in cowl (5).

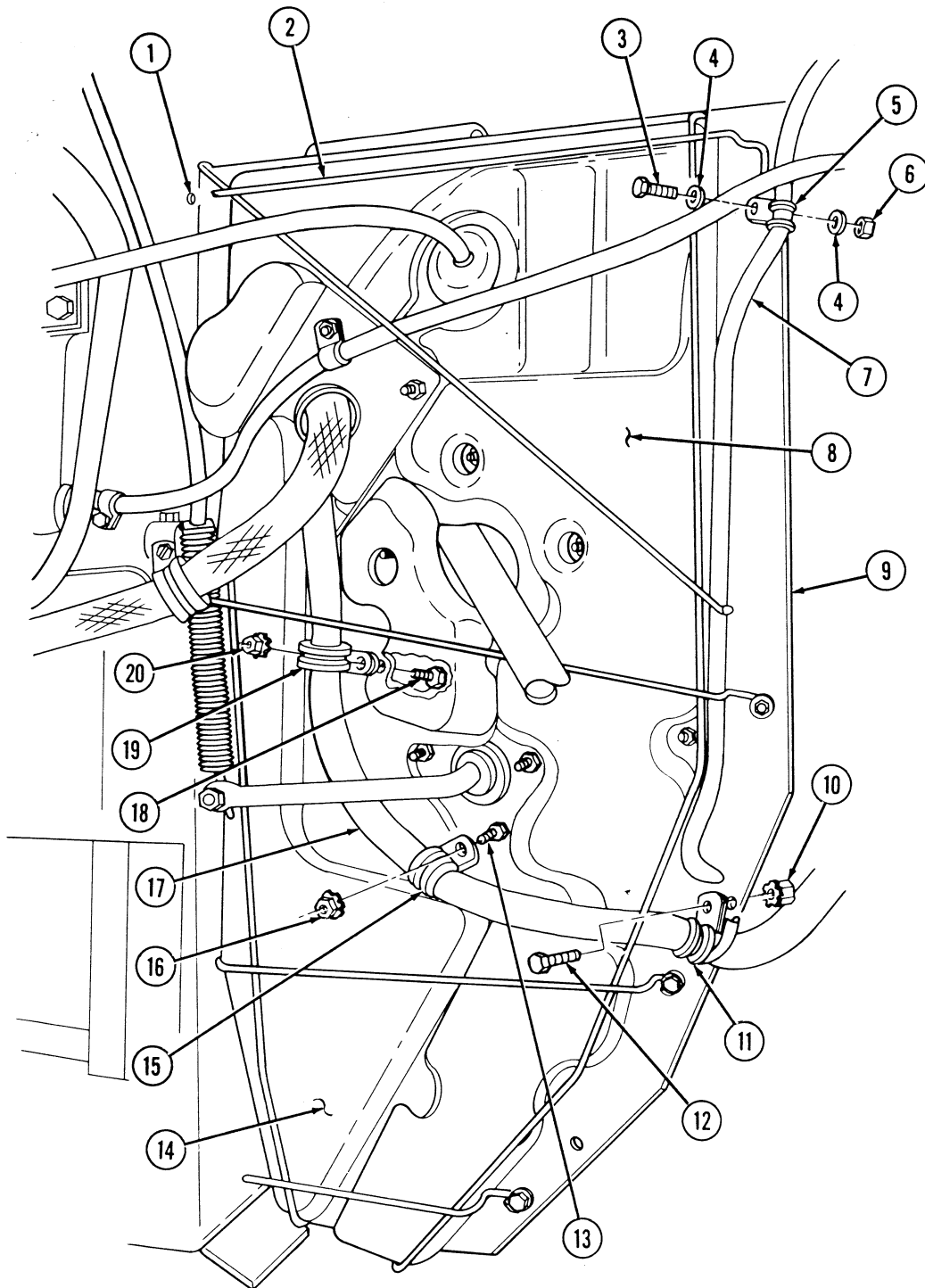


10-31.1. LEFT INNER COWL INSULATION PANEL REPLACEMENT (Cont'd)

10-31.1. LEFT INNER COWL INSULATION PANEL REPLACEMENT (Cont'd)

6. Install lower insulation panel (14) by sliding up into position between retainer (2) and cowl (9).
7. Install clamp (19) on cowl (9) with capscrew (18) and assembled locknut (20).
8. Install upper insulation panel (8) by sliding down into position between retainer (2) and cowl (9).
9. Install clamp (15) and body harness (17) on cowl (9) with screw (13) and assembled locknut (16).
10. Install clamp (11) on brake harness (7) and body harness (17) on cowl (9) with capscrew (12) and assembled locknut (10).
11. Install retainer (2) and brake harness (7) on cowl (9), ensuring rear ends of retainer (2) are inserted in body holes (1), with harness clamp (5), four washers (4), capscrews (3), washers (4), and locknuts (6).

10-31.1. LEFT INNER COWL INSULATION PANEL REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Lower and secure hood (TM 9-2320-387-10).

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10-32.1. RIGHT INNER COWL INSULATION PANEL REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151, M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Hood raised and secured (TM 9-2320-387-10).

Materials/Parts

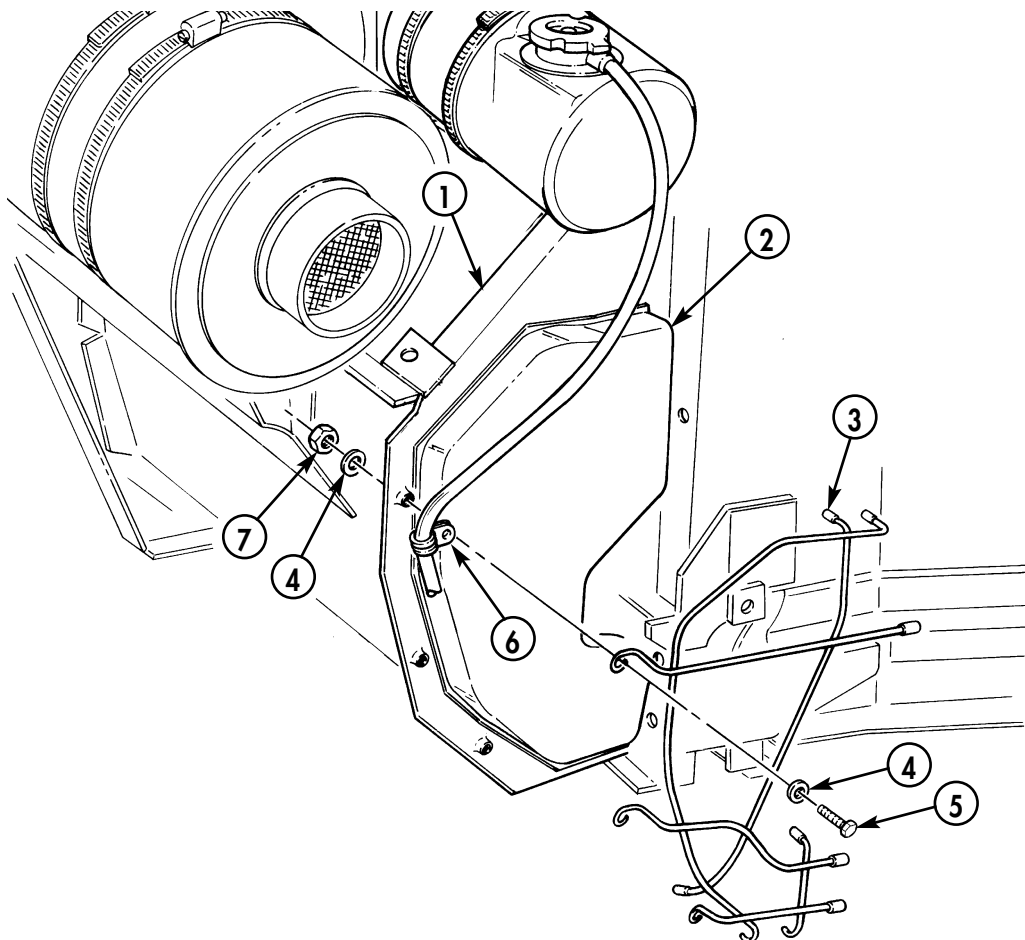
Three locknuts (Appendix G, Item 101.5)

a. Removal

Remove three locknuts (7), washers (4), capscrews (5), washers (4), retainer (3), insulation (2), and drain hose clamp (6) from cowl (1). Discard locknuts (7).

b. Installation

Install drain hose clamp (6), insulation (2), and retainer (3) on cowl (1) with three washers (4), capscrews (5), washers (4), and locknuts (7).



FOLLOW-ON TASK: Lower and secure hood (TM 9-2320-387-10).

10-57.1. C-PILLAR REINFORCEMENT BRACKETS INSTALLATION

This task covers:

Installation

INITIAL SETUP:

Applicable Models

M1151, M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two brackets (Appendix D, Fig. D-116)
Two locknuts (Appendix G, Item 101.6)
Eight rivets (Appendix G, Item 269.1)

Manual Reference

TM 9-2320-387-10
TM 9-2320-387-24P
TM 43-0139

Equipment Condition

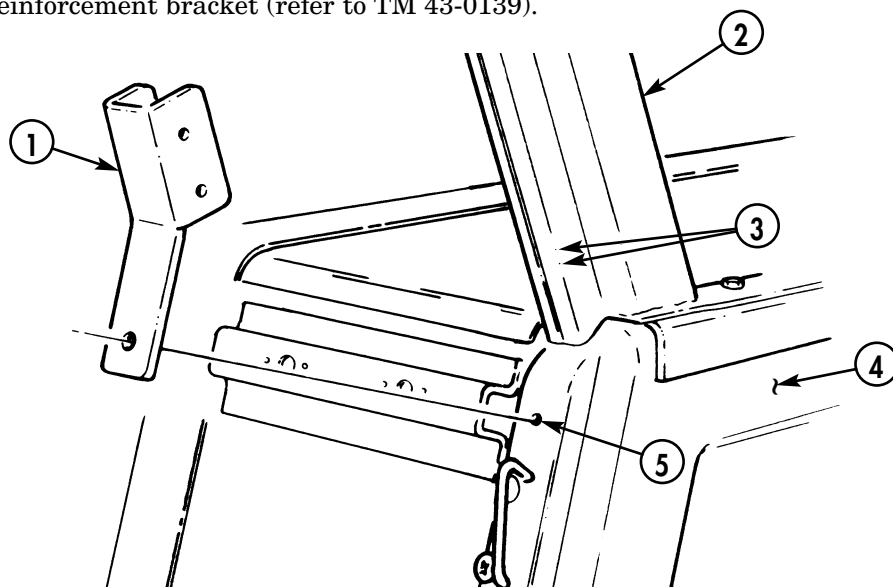
Soft top removed as required (TM 9-2320-387-10).

Installation

NOTE

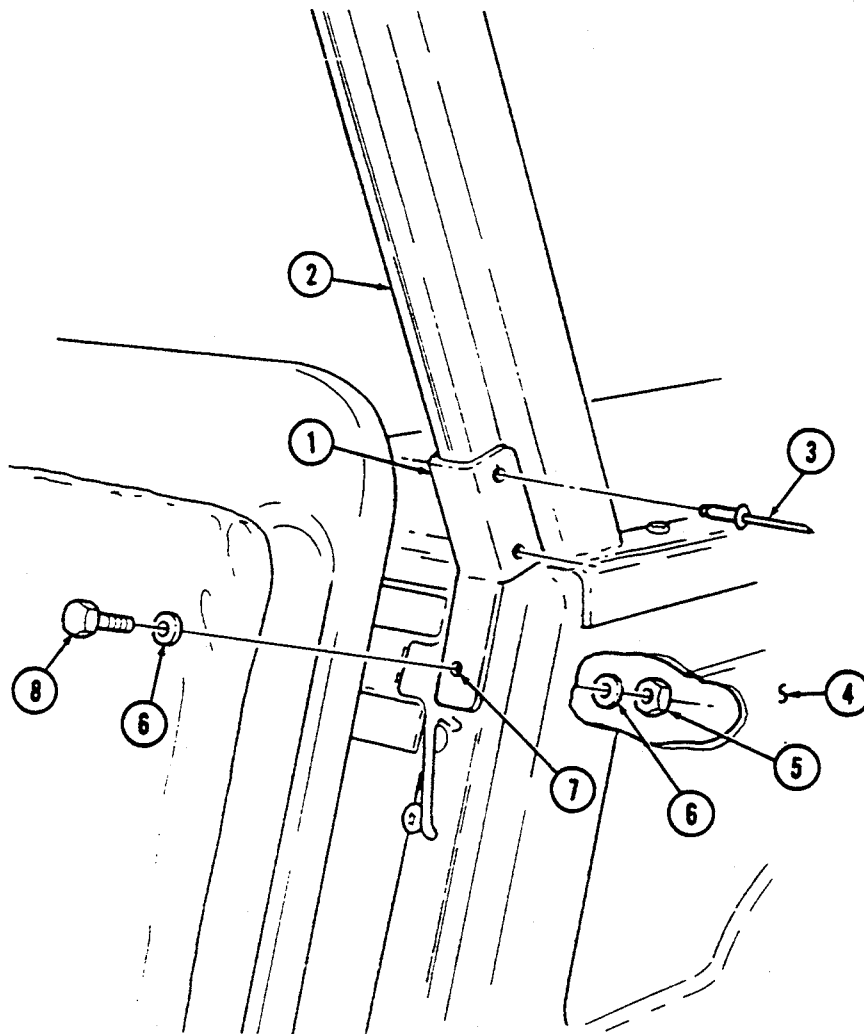
- The following procedure can be performed to prevent fatigue cracking of the C-pillar mount brackets. Installation is at commander's discretion.
- For instructions on replacement of rivets, refer to para. 10-56.

1. Using 0.187-in. (4.75 mm) drill bit, remove rivet (5) from wheelhousing (4).
2. Scribe two reference lines (3) on C-pillar (2).
3. Align reinforcement bracket (1) with reference lines (3) on C-pillar (2).
4. Scribe hole location (5) on wheelhousing (4) onto reinforcement bracket (1).
5. Using reinforcement bracket as template, drill four 0.187-in. (4.75 mm) diameter holes through reinforcement bracket (1) and C-pillar (2). Remove bracket (1).
6. Using 0.281-in. (7.14 mm) drill bit, enlarge hole (5) in wheelhousing (4).
7. Using hole location marked in step 4, drill 0.281-in. (7.14 mm) diameter hole in reinforcement bracket (1).
8. Spot paint reinforcement bracket (refer to TM 43-0139).



10-57.1. C-PILLAR REINFORCEMENT BRACKETS INSTALLATION (Cont'd)

9. Install reinforcement bracket (1) on C-pillar (2) with four rivets (3).
10. Align mount hole (7) in reinforcement bracket (1) and hole in wheelhousing (4) and install washer (6), screw (8), washer (6), and locknut (5).
11. Spot paint as necessary (refer to TM 43-0139).



FOLLOW-ON TASK: Install soft top as required (TM 9-2320-387-10).

Section II. BODY ACCESSORIES MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 10, for any maintenance task not listed below.

10-59. BODY ACCESSORIES MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
10-92.1.	Soft Top Door Handle Repair	10-154.2
10-93.1.	Soft Top Repair (M1152)	10-156.2
10-94.1.	Rear Bow Pivot Bracket Replacement	10-158.1

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10-92.1. SOFT TOP DOOR HANDLE REPAIR

This task covers:

- a. Removal
- b. Repair

c. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

1. Remove screw (5), inner (4) and outer (1) door handles, washer (7), and spring (6) from door (3).
2. Remove insert (2) from outer door handle (1) if present.

b. Repair

1. Drill 0.250-in. (6.35 mm) diameter hole through outer door handle (1).

NOTE

Countersink hole deep enough so screw is flush with surface of handle.

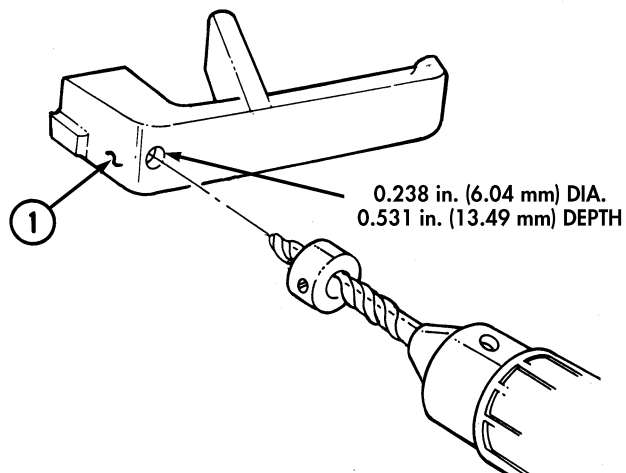
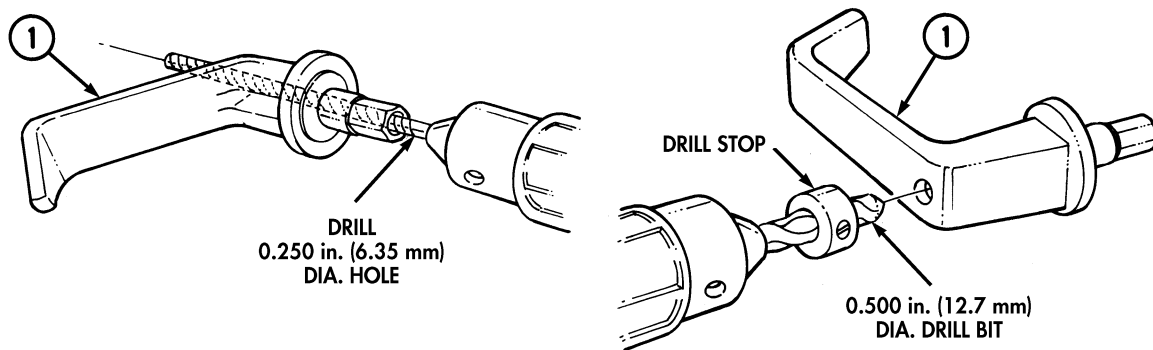
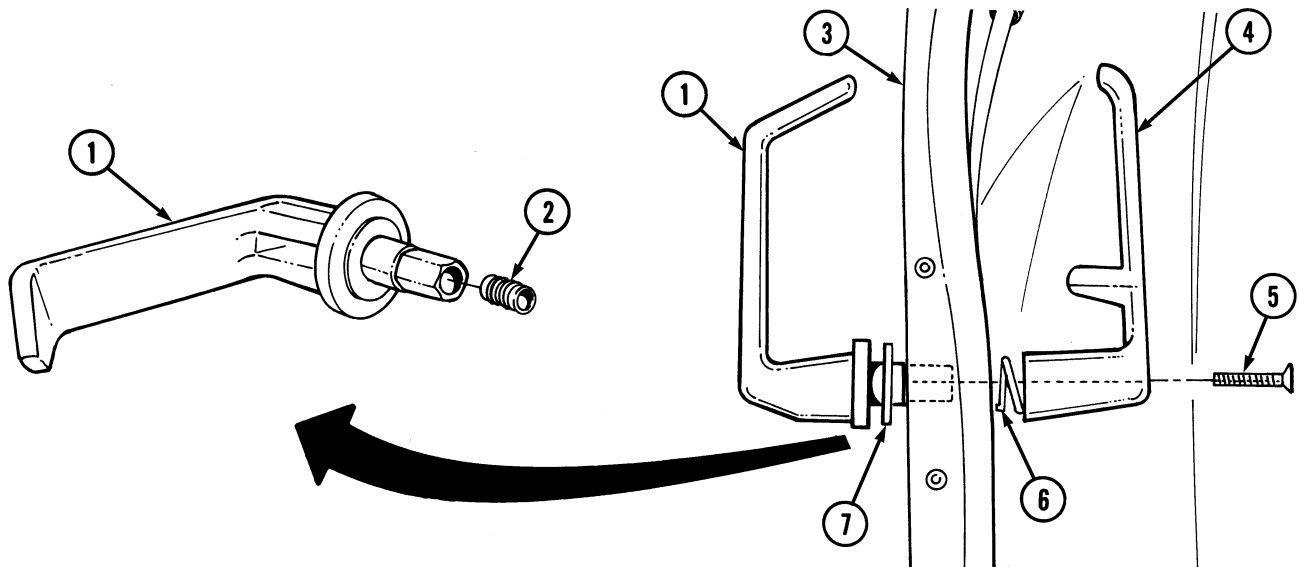
2. Using a 0.500-in. (12.7 mm) diameter drill bit, countersink outer handle (1).

CAUTION

Use tape or drill stop to ensure the proper depth is not exceeded when counterboring, or inner door handle may be damaged.

3. Counterbore inner door handle (4) to 0.238-in. (6.04 mm) diameter, 0.531-in. (13.49 mm) depth.

10-92.1. SOFT TOP DOOR HANDLE REPAIR (Cont'd)

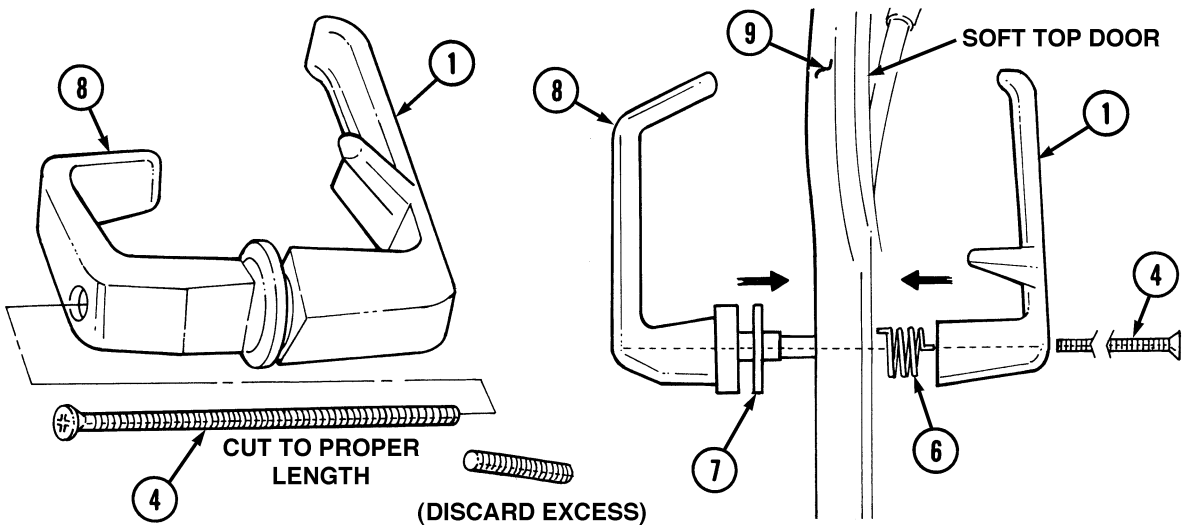
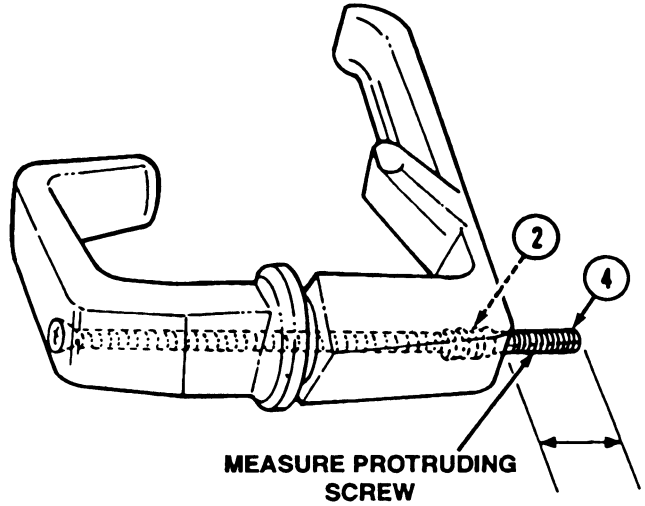
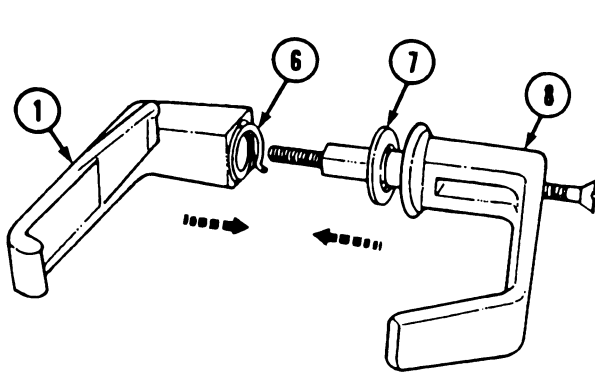
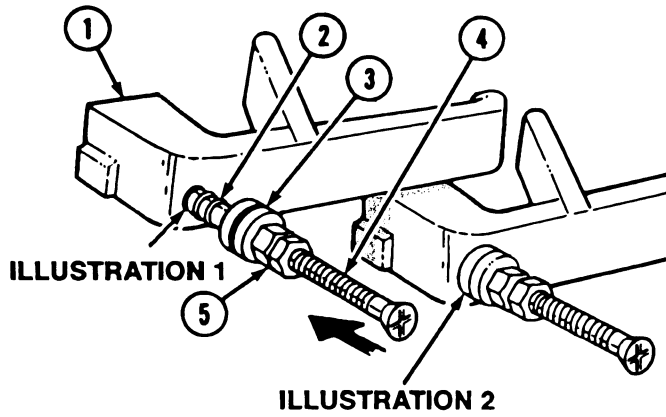


10-92.1. SOFT TOP DOOR HANDLE REPAIR (Cont'd)

c. Installation

1. Install two nuts (5), washers (3), and insert (2) on screw (4).
2. Install insert (2) with screw (4) into inner handle (1). Seat bottom washer (3) against handle surface (1).
3. Loosen two nuts (5) and remove screw (4), two nuts (5), and washers (3) from insert (2).
4. Assemble inner handle (1), washer (7), spring (6), and outer handle (8) with screw (4).
5. Measure length of screw (4) from insert (2).
6. Remove screw (4) and cut to measurement.
7. Install washer (7), outer handle (8), spring (6), and inner handle (1) on door (9) with screw (4).
8. Check door handle for proper operation.

10-92.1. SOFT TOP DOOR HANDLE REPAIR (Cont'd)



10-93.1. SOFT TOP REPAIR (M1152)

This task covers:

a. Inspection and Cleaning	d. Window Zipper Repair (Temporary)
b. Material Repair	e. Canvas Repair
c. Window Repair	

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 60.1)
Hook and pile material (Appendix C, Item 79)
Two plastic sheets (Appendix D, Figure D-117)
Green plastic canvas
(Appendix D, Figure D-118)
Six socket turnbuttons (Appendix G, Item 314)
Six grommets (Appendix G, Item 68.1)
Twelve clinch plate turnbuttons
(Appendix G, Item 330.1)

Manual Reference

FM 10-16
TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Soft top enclosure removed, as required
(TM 9-2320-387-10).

a. Inspection and Cleaning

1. Inspect soft top doors and tops for pin holes and leaks around the seam areas.
2. Using soapy water solution and stiff brush, clean area to be sealed on the outer side of the canvas. Allow to dry.

b. Material Repair

1. Apply sealing compound to cleaned area where leak occurred. Ensure sealing compound is pressed into stitching of seams.
2. Allow 20 minutes for sealing compound to cure.

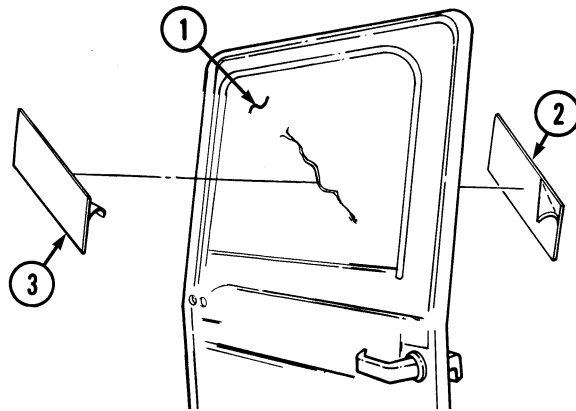
10-93.1. SOFT TOP REPAIR (M1152) (Cont'd)

c. Window Repair

NOTE

The use of pressure-sensitive, adhesive-coated plastic sheets for temporary repair of small window cracks and holes should only be utilized if it does not hinder operator's vision. If damaged area is large enough so that plastic sheets will hinder operator's vision, door assembly should be replaced.

1. Ensure damaged area of window (1) is clean and dry.
2. Peel backing off plastic sheet (2) and apply to damaged area of window (1).
3. Peel backing off plastic sheet (3) and apply to other side of damaged area of window (1).

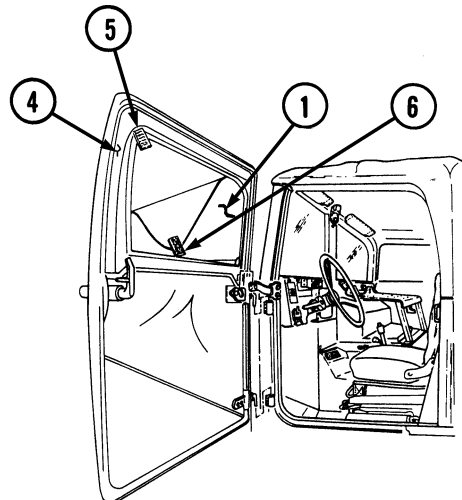


d. Window Zipper Repair (Temporary)

NOTE

Use hook and pile material as a temporary measure to secure window with failed zipper until zipper or door can be replaced.

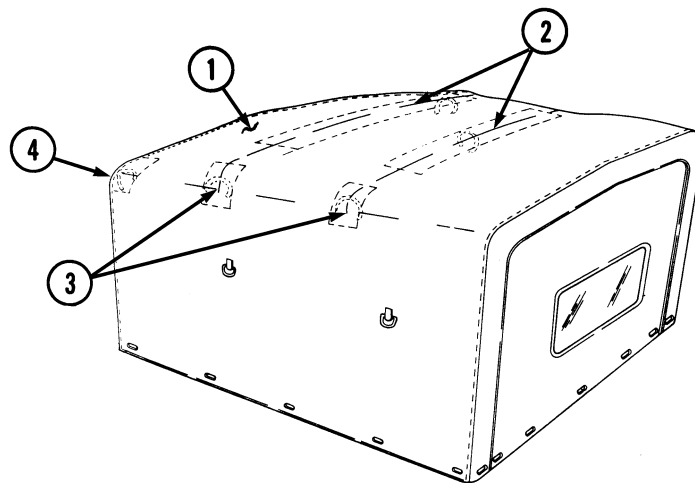
1. Apply half (5) of the self-adhesive hook and pile material on inside of door (4) around window (1).
2. Put mating half (6) of hook and pile material on window (1). Apply strips as required to firmly

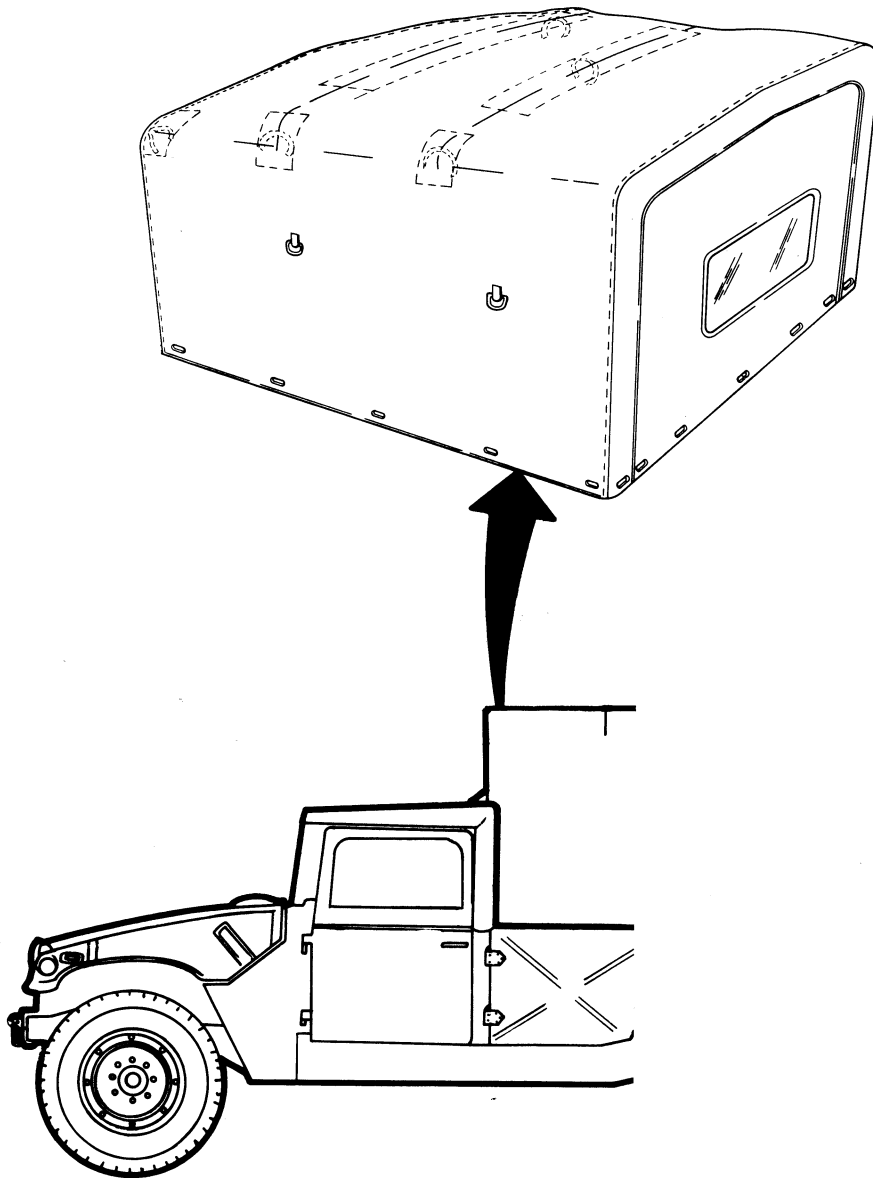


10-93.1. SOFT TOP REPAIR (M1152) (Cont'd)**e. Canvas Repair****NOTE**

Since these procedures are a reinforcement guide, you can modify them to meet individual needs. These reinforcement procedures are helpful because:

- The securing straps reinforce the enclosure and reduce its “ballooning” action.
 - The extra wear, damage, and holes in the enclosure are reduced.
 - Any enclosure can be returned to a serviceable condition at a significantly lower cost than replacing the enclosure.
1. Secure six socket turnbuttons and grommets to canvas straps (2), (3), and (4) using twelve clinch plate turnbuttons, follow procedures found in FM 10-16, General Fabric Repair.
 2. Sew the eight canvas straps (2), (3), and (4) to inside of soft top enclosure (1). Follow procedures for sewing on straps as found in FM 10-16, General Fabric Repair. Attach straps in the following locations:
 - (a) Strap A (4) – On top front corners of soft top enclosure (1).
 - (b) Strap B (3) – Where the corners of second and third bows make contact with the enclosure (1).
 - (c) Strap C (2) – On the soft top enclosure (1) where second and third bows make contact with soft top enclosure (1).



10-93.1. SOFT TOP REPAIR (M1152) (Cont'd)

FOLLOW-ON TASK: Install soft top enclosure, as required, (TM 9-2320-387-10), ensuring straps are fastened around bows.

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10-94.1. REAR BOW PIVOT BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

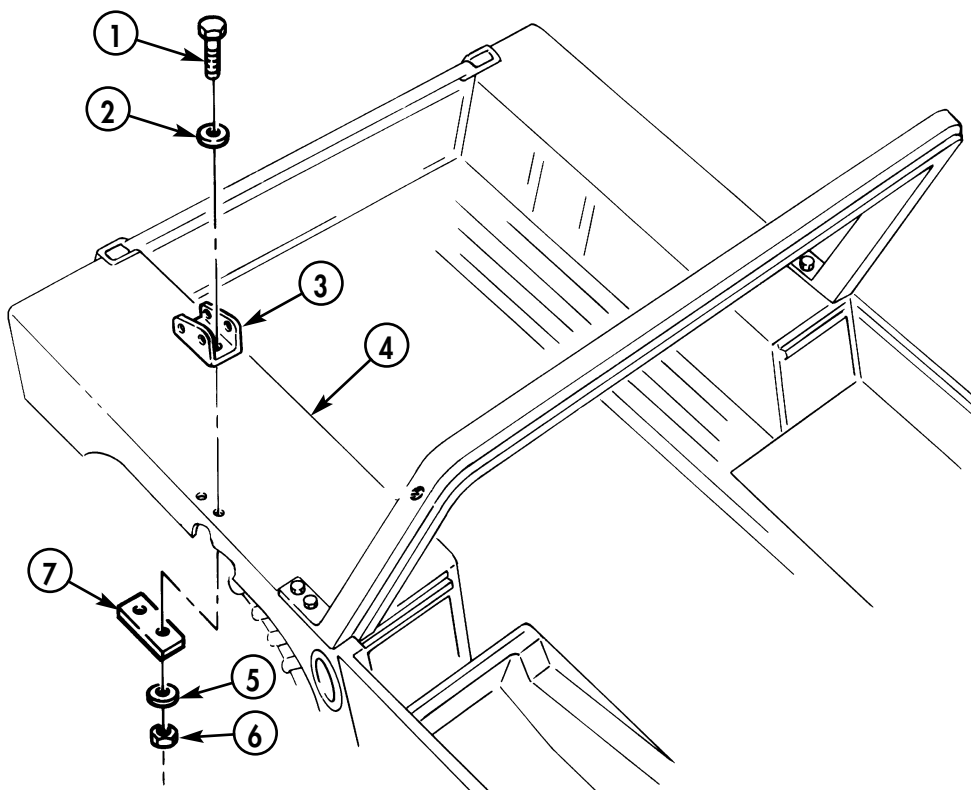
Bows removed (TM 9-2320-387-10).

a. Removal

Remove two locknuts (6), washers (5), capscrews (1), washers (2), bow pivot bracket (3), and plate (7) from body (4). Discard locknuts (6).

b. Installation

Install plate (7) and bow pivot bracket (3) on body (4) with two washers (2), capscrews (1), washers (5), and locknuts (6). Align bow pivot bracket (3) flush with side of body (4) and tighten two locknuts (6) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Install bows (TM 9-2320-387-10).

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CHAPTER 11

SPECIAL PURPOSE BODIES (UNIT) MAINTENANCE

Section I. WEAPON CARRIER BODY MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 11, for any maintenance task not listed below.

11-1. WEAPON CARRIER BODY MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
11-12.2.	Ballistic Crew Door Maintenance	11-24.3
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11-12.4.	Ballistic Crew Door Rear Striker Plate Replacement	11-24.7
11-12.5.	Ballistic Crew Door Front Striker Plate Maintenance	11-24.8
11-12.6.	Ballistic Crew Door Paddle Lock Replacement	11-24.9
11-12.7.	Ballistic Crew Door Window Assembly Maintenance	11-24.10
11-12.8.	Ballistic Crew Door Window Protective Shield Replacement	11-24.12
11-12.9.	Ballistic Crew Door Window Stop Replacement	11-24.14
11-12.10.	Ballistic Crew Door Seal Replacement	11-24.15
11-12.11.	Ballistic Crew Door Latch Replacement	11-24.16
11-12.12.	Ballistic Crew Door Latch Tube Replacement	11-24.17
11-12.13	Ballistic Cargo Shell Door Maintenance	11-24.18
11-24.1.	Cargo Shell Door Seal Protector Replacement	11-46.2
11-29.1.	Cargo Shell Door Gas Spring Mounting Bracket Replacement	11-52.2
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11-38.	Right Cowl Armor Plate Replacement	11-74
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11-41.1.	Right Wheelhouse Armor Plate Replacement	11-84.2
11-41.2.	Footwell Armor Plate Replacement	11-84.4
11-41.3.	Left Wheelhouse Armor Plate Replacement	11-85
11-44.1.	B-Pillar Padding Replacement	11-91
11-47.1.	Tailgate Armor Plate Replacement (M1151)	11-94.2
11-49.1.	Weapon Station Hatch Replacement	11-98.2
11-49.2.	Weapon Station Hatch Handle Replacement	11-98.3
11-49.3.	Weapon Station Hatch Hinge Pin Replacement	11-98.4
11-49.4.	Weapon Station Hatch Hinge Replacement	11-98.5
11-49.5.	Weapon Station Hatch Holddown Striker Replacement	11-98.7
11-49.6.	Weapon Station Tray Seal Replacement	11-98.8
11-49.7.	Weapon Station Bumper Pad Replacement	11-98.9
11-49.8.	Weapon Station Tray Lever Replacement	11-98.10
11-49.9.	Weapon Station Hatch Latch Replacement	11-98.11
11-49.10.	Weapon Station Hatch Tube Assembly Replacement	11-98.12
11-49.11.	Weapon Station Backrest Pad Replacement	11-98.13

11-1. SPECIAL PURPOSE BODIES MAINTENANCE TASK SUMMARY (Cont'd)

TASK PARA.	PROCEDURES	PAGE NO.
11-49.12.	Weapon Station Tray and Brush Maintenance	11-98.14
11-55.3.	Turret Cleaning	11-108.8
11-55.4.	Turret Bearing Maintenance	11-108.14
11-56.1.	Gunner's Sling Hook Replacement (M1151)	11-108.20
11-56.2.	Hinge Pivot Bracket and Gunner's Sling Replacement	11-109
11-59.2.	Turret Handle Replacement	11-112.4
11-59.3.	Turret Lock Replacement	11-112.5
11-59.4.	Armament Mounting Assembly Replacement	11-112.6
11-59.5.	Armament Cover and Seal Replacement	11-113
11-60.1.	Night Sight Retainer Replacement	11-114.2
11-66.1.	Rifle Support Replacement (M1151)	11-126.2
11-67.1.	Rifle Mounting Clamp Replacement (M1151)	11-128.1
11-67.2.	Rifle Mounting Clamp Bracket Replacement	11-128.2
11-67.3.	Rifle Mounting Clamp Bracket Replacement (M16 A1 Rifle/M203 Grenade Launcher)	11-128.4
11-67.4.	Lower Rifle Mount Bracket Replacement	11-128.5
11-67.5.	Front Gun Mount Plate Assembly Replacement	11-128.6
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11-67.7.	Gun Mount Support (Caliber .50) Replacement	11-128.8
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11-67.9.	Machine Gun Stop Replacement	11-128.10
11-67.10.	Tripod Bracket Replacement	11-128.11
11-68.1.	Double Ammo Box Tray (Caliber .50) Replacement (M1151)	11-128.13
11-68.2.	Ammo Box Tray (Caliber .50) Replacement	11-128.14
11-68.3.	Ammo Box Tray (40 mm and Caliber .50) Replacement	11-128.15
11-68.4.	Double Ammo Box Tray (40 mm) Replacement	11-128.16
11-68.5.	Triple Ammo Box Tray (40 mm) Replacement (M1151)	11-129
11-70.1.	Water Can Tray Replacement (M1151)	11-130.2
11-70.2.	Water Can Bumper Replacement	11-130.3
11-71.4.	Gunner's Platform Replacement	11-132.8
11-71.5.	Gunner's Platform Assembly Maintenance	11-132.10
11-71.6.	Gunner's Platform Assembly Replacement	11-132.14
11-71.7.	Rear Seat Stowage Compartment Net Brackets Replacement	11-132.15

11-12.2. BALLISTIC CREW DOOR MAINTENANCE

This task covers:

a. Removal b. Installation	c. Inspection d. Adjustment

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six locknuts (Appendix G, Item 133.3)
Spacer plate, 0.125-in. (3.2-mm) thick
(Appendix G, Item 315.4)

Materials/Parts (Cont'd)

Spacer plate, 0.063-in. (1.5-mm) thick
(Appendix G, Item 315.3)
Spacer plate, hinge (Appendix G, Item 315.2)

Personnel Required

One mechanic
One assistant

Manual References

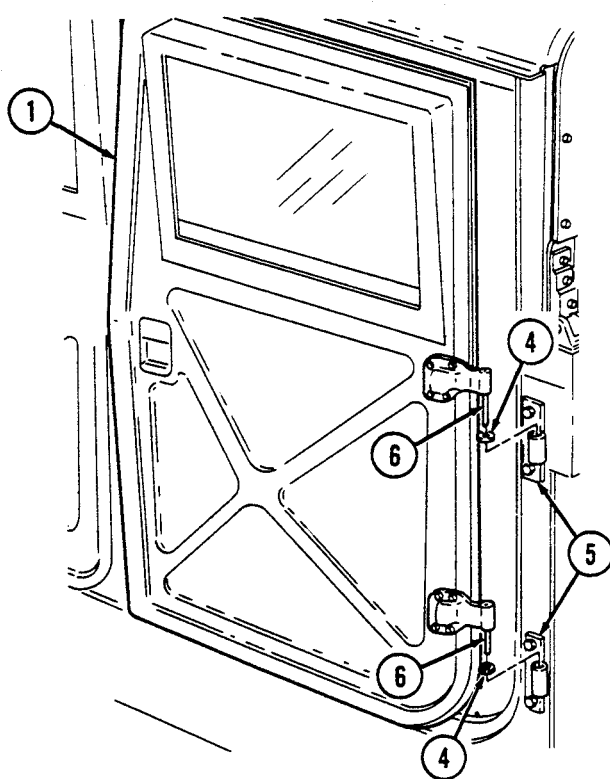
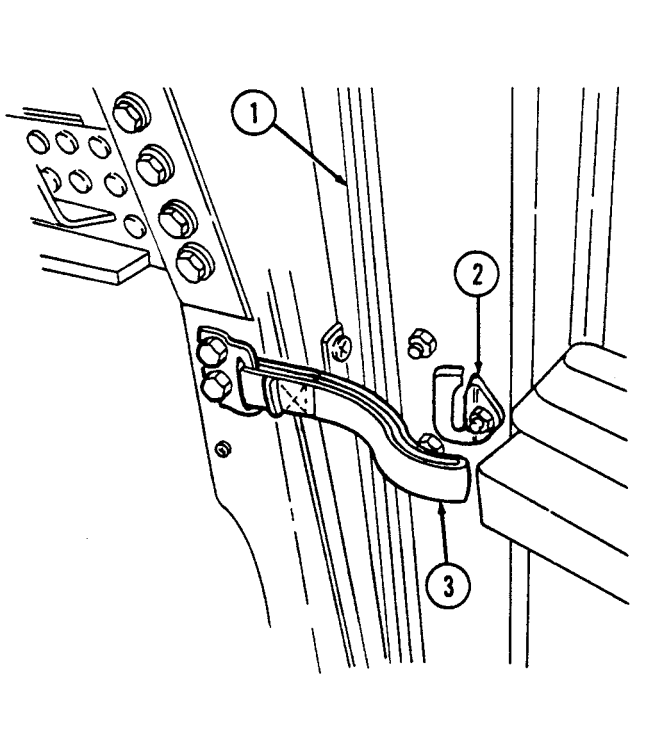
TM 9-2320-387-24P

a. Removal

1. Slide doorstrap (3) off doorstop bracket (2).
2. Open and hold crew door (1) straight out from vehicle. Lift up crew door (1) to remove door hinge pins (6) from body hinge mounts (5) and remove crew door (1) and washers (4) (if present).

b. Installation

1. Hold crew door (1) straight out from vehicle and insert washers (4) (if removed) and door hinge pins (6) on body hinge mounts (5).
2. Slide doorstrap (3) on doorstop bracket (2).



11-12.2. BALLISTIC CREW DOOR MAINTENANCE (Cont'd)

c. Inspection

1. Inspect crew door assembly (2) for proper alignment. Ensure door (2) is centered between pillar (7), roof (5), cargo shell (10), and lower side rail (8). If out-of-alignment condition exists, perform horizontal or vertical adjustment procedures.
2. Inspect crew door assembly (2) to ensure latch (1) is closing completely on striker (15) without extreme force. If latch (1) is out of adjustment, perform latch (1) adjustment procedures.
3. Inspect hinge (4) and latch (1) for adjustment. Insert a piece of paper (9) between crew door assembly (2) and pillar (7), and close door (2). Perform this test at four or five locations around the door (2). Door seals should offer some resistance when paper is pulled out. If door seal does not offer resistance, or resistance is excessive, perform hinge and latch adjustment procedures.
4. Inspect latch (1), hinge (4), and door handle (3) for loose, missing, or unserviceable parts.

d. Adjustment

NOTE

Perform steps 1 and 2 for horizontal adjustment. Perform steps 3 through 6 for vertical adjustment. Perform steps 7 through 18 for hinge adjustment and steps 19 through 23 for latch adjustment.

1. Loosen six screws (6) from two hinges (4) and crew door assembly (2).
2. Align and center crew door assembly (2) between pillar (7), roof (5), cargo shell (10), and lower side rail (8). Tighten six screws (6) to 6 lb-ft (8 N•m).
3. Remove door strap (11) from doorstop bracket (12).
4. Open crew door assembly (2) to approximately 45°, and lift and remove door (2) from body hinge mounts (14).
5. Install washer (13) on each door hinge (4), and install crew door assembly (2) on body hinge mounts (14).
6. Check vertical adjustment and repeat steps if necessary.
7. Remove door strap (11) from doorstop bracket (12).
8. Open crew door assembly (2) to approximately 45°, and lift door (2) and remove washers (13) (if installed) from body hinge mounts (14).
9. Remove locknut (19), washer (17), screw (16), washer (17), and doorstop bracket (12) from crew door assembly (2). Discard locknut (19).
10. Remove five locknuts (20), washers (21), screws (23), washers (21), two hinges (4), and spacer plates (18) (if installed) from crew door assembly (2). Discard locknuts (20).
11. To increase resistance to that portion of the door seal (22), install two hinge spacer plates (18) between door hinge (4) and outer side of crew door assembly (2).
12. To decrease resistance to that portion of the door seal (22), discard hinge spacer plate (18) between door hinge (4) and outer side of crew door assembly (2).
13. Install two spacer plates (18) (if required) and door hinges (4) on crew door assembly (2) with five washers (21), screws (23), washers (21), and locknuts (20).
14. Install doorstop bracket (12) on crew door assembly (2) with washer (17), screw (16), washer (17), and locknut (19).
15. Tighten locknuts (19) and (20) installed in steps 13 and 14 to 6 lb-ft (8 N•m).
16. Install two door hinge washers (13) (if removed), position crew assembly door (2) to approximately 45°, and install door hinges (4) on body hinge mounts (14).
17. Check hinge (4) adjustment and repeat steps if necessary.
18. Install door strap (11) on doorstop bracket (12).

11-12.2. BALLISTIC CREW DOOR MAINTENANCE (Cont'd)

19. Remove crew door latch (para. 11-12.11).

NOTE

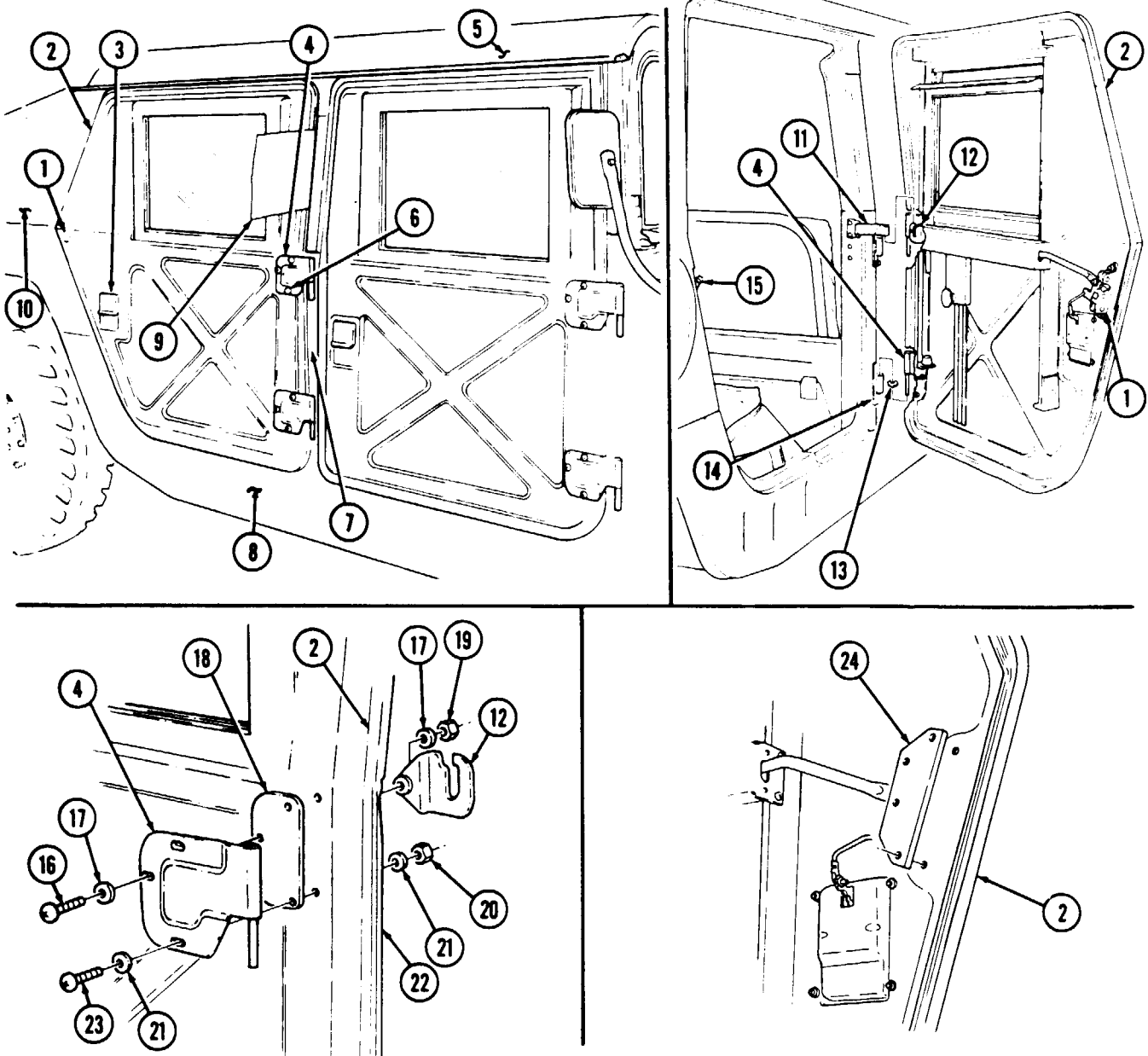
- To increase resistance to door seal and adjust rear of crew door assembly, perform step 20.
- To decrease resistance to door seal and adjust rear of crew door assembly, perform step 21.

20. Discard spacer plate(s) (24) from crew door (2).

21. Add spacer plate (24) 0.125-in. (3.2-mm) thick or spacer plate (24) 0.060-in. (1.5-mm) thick to crew door (2).

22. Install crew door latch (para. 11-12.11).

23. Check door latch adjustment and repeat steps if necessary.



11-12.3. BALLISTIC CREW DOOR HINGE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Three locknuts (Appendix G, Item 133.3)

Manual References

TM 9-2320-387-24P

Equipment Condition

Ballistic crew door removed (para. 11-12.2).

NOTE

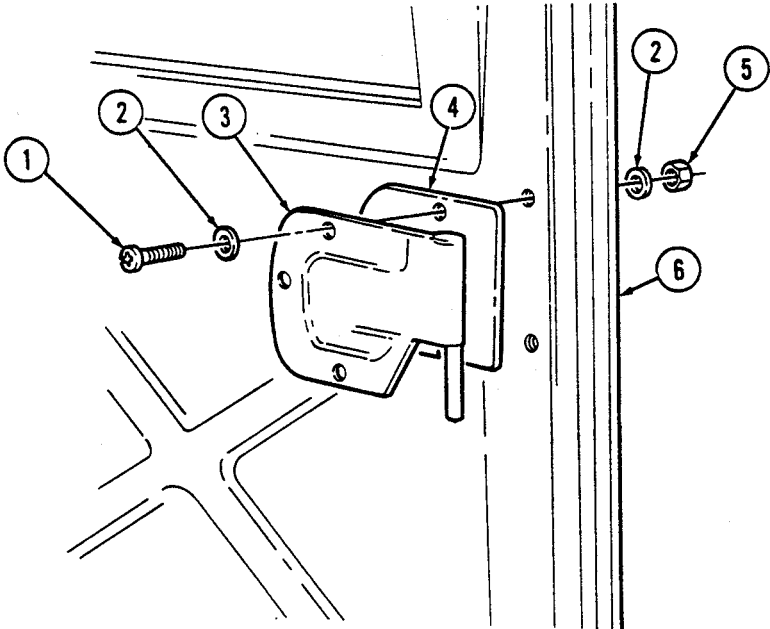
- M1151 vehicles have one additional hinge shim on the inner door side of each door hinge mounting hardware.
- On top hinges, note position of doorstop bracket.

a. Removal

Remove three locknuts (5), washers (2), screws (1), washers (2), hinge (3), and shim(s) (4) from crew door (6). Discard locknuts (5).

b. Installation

Install shim(s) (4) and hinge (3) on crew door (6) with three washers (2), capscrews (1), washers (2), and locknuts (5). Tighten locknuts (5) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Install ballistic crew door (para. 11-12.2).

11-12.4. BALLISTIC CREW DOOR REAR STRIKER PLATE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Tape (Appendix C, Item 78)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

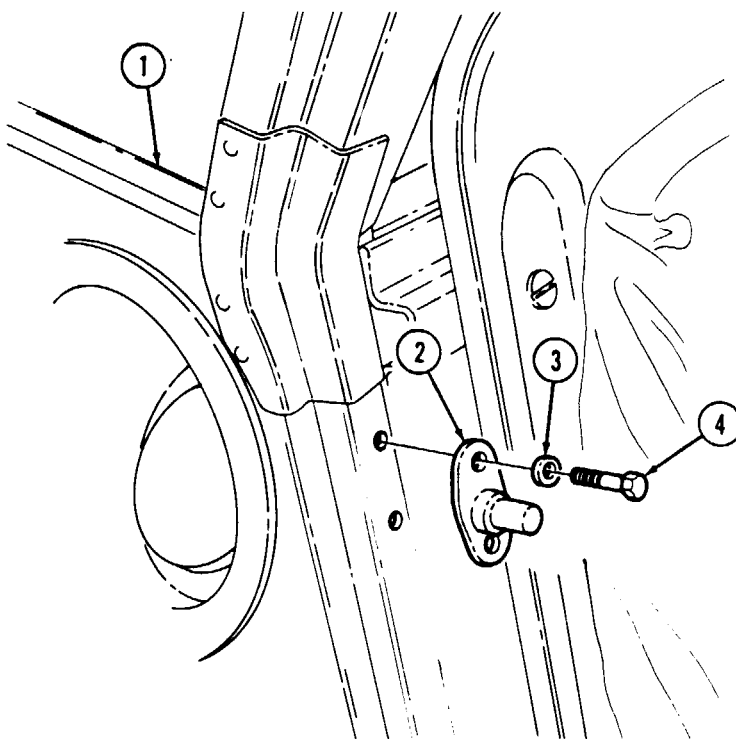
TM 9-2320-387-24P

a. Removal

Remove two capscrews (4), washers (3), and rear striker plate (2) from body (1). Remove tape from rear striker plate (2) and discard tape.

b. Installation

Apply tape to rear striker plate (2) mounting surface. Install rear striker plate (2) on body (1) with two washers (3) and capscrews (4). Tighten capscrews (4) to 8 lb-ft (11 N·m).



11-12.5. BALLISTIC CREW DOOR FRONT STRIKER PLATE MAINTENANCE

This task covers:

- a. Removal
- b. Installation

c. Adjustment

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Tape (Appendix C, Item 78)
Two locknuts (Appendix G, Item 87)

Manual References

TM 9-2320-387-24P

a. Removal

Remove two locknuts (5), door strap (4), two capscrews (1), and front striker plate (2) from B-pillar (3). Discard locknuts (5). Remove tape from front striker plate (2) and discard tape.

b. Installation

Apply tape to front striker plate (2) mounting surface. Install front striker plate (2) on B-pillar (3) with two capscrews (1), door strap (4), and two locknuts (5). Finger tighten locknuts (5).

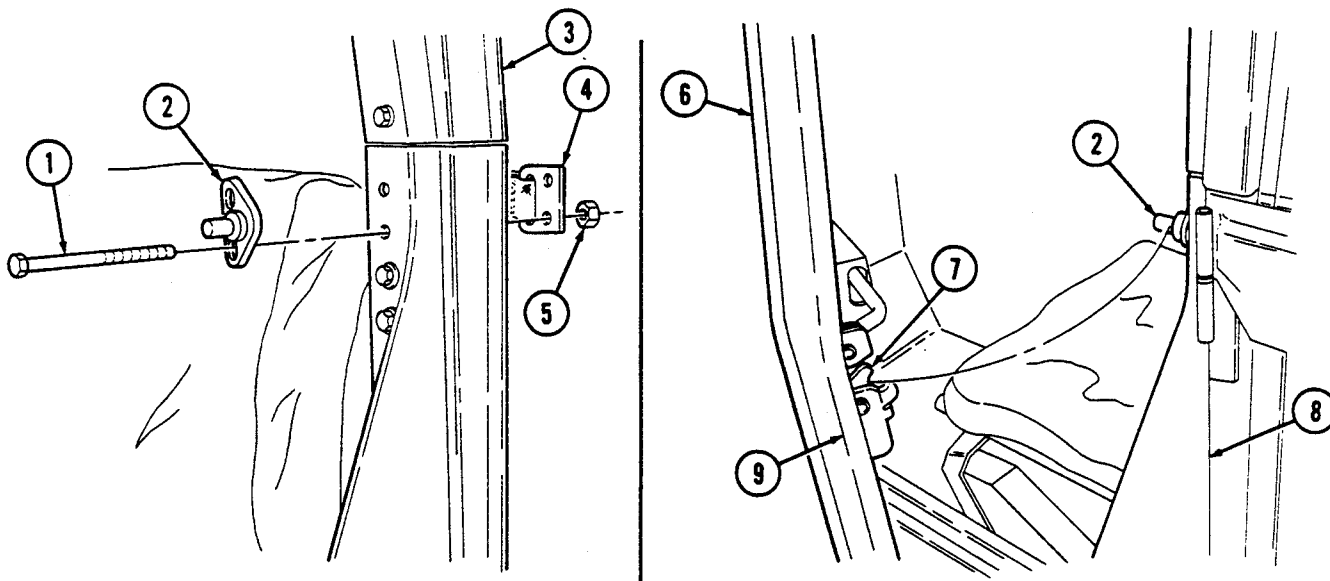
c. Adjustment

1. Close door (6) ensuring latch (7) latches on front striker plate (2).

NOTE

Front striker plates are slotted for vertical adjustment.

2. Press crew door (6) slightly inward and upward until seal (9) contacts body (8). Tighten locknuts (5) to 19 lb-ft (26 N·m).
3. Open and close crew door (6) several times to ensure proper latch (7) and front striker plate (2) alignment. If front striker plate (2) cannot be adjusted to align with latch (7), adjust crew door (6) (para. 11-2).



11-12.6. BALLISTIC CREW DOOR PADDLE LOCK REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 85)

Manual References

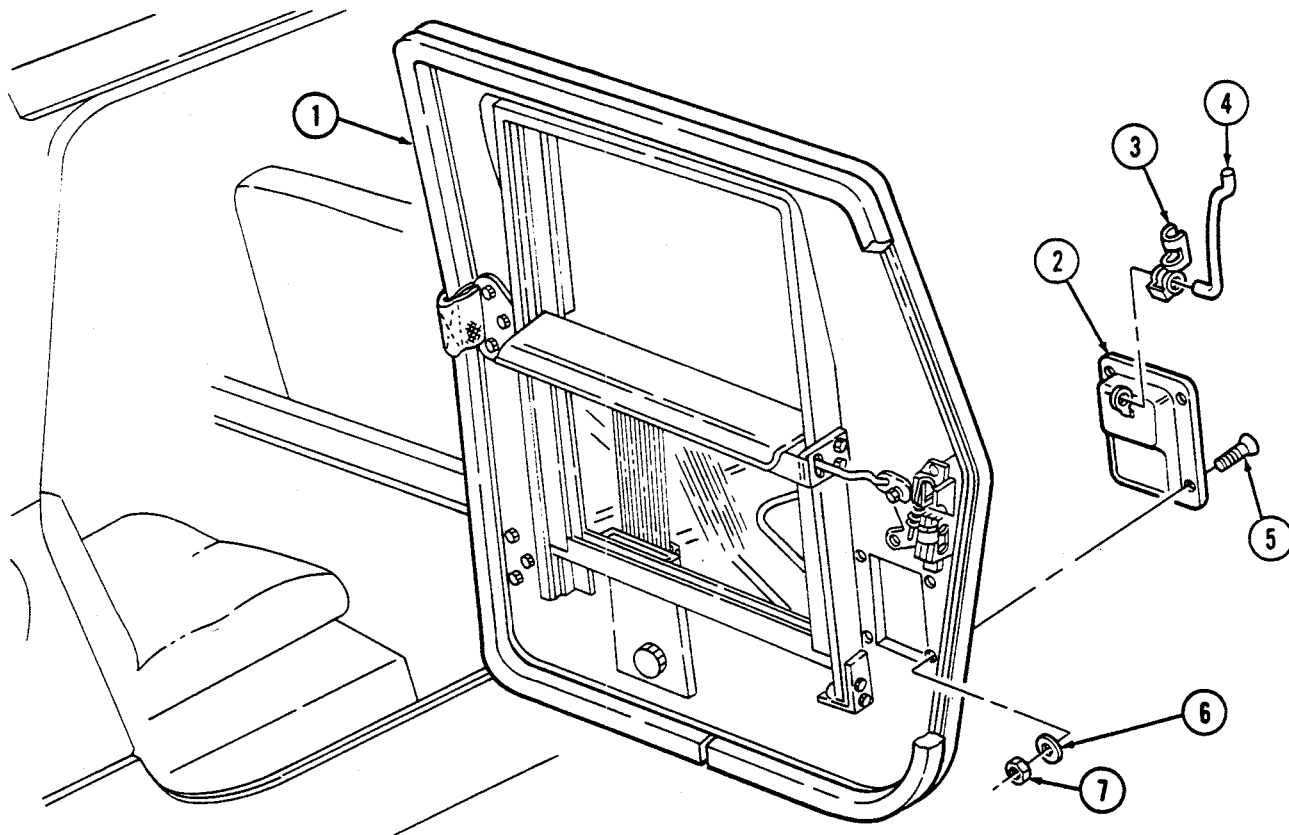
TM 9-2320-387-24P

a. Removal

1. Release clevis clip (3) from hook (4) and remove hook (4) and clevis clip (3) from paddle lock (2).
2. Remove four locknuts (7), washers (6), screws (5), and paddle lock (2) from crew door (1). Discard locknuts (7).

b. Installation

1. Install paddle lock (2) on crew door (1) with four screws (5), washers (6), and locknuts (7). Tighten locknuts (7) to 12-17 lb-in. (1-2 N·m).
2. Connect hook (4) to paddle lock (2) with clevis clip (3).



11-12.7. BALLISTIC CREW DOOR WINDOW ASSEMBLY MAINTENANCE

This task covers:

a. Removal	c. Assembly
b. Disassembly	d. Installation

INITIAL SETUP:

Applicable Models

M1151

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

- Window stops removed (para. 11-12.9).
- Latch tube removed (para. 11-12.12).

Materials/Parts

Sealing compound (Appendix C, Item 61)
Retaining ring (Appendix G, Item 254.1)

a. Removal

Pull out on window latch knob (4) and slide window (5) down and out from door side rails (1) and guide channel (2).

b. Disassembly

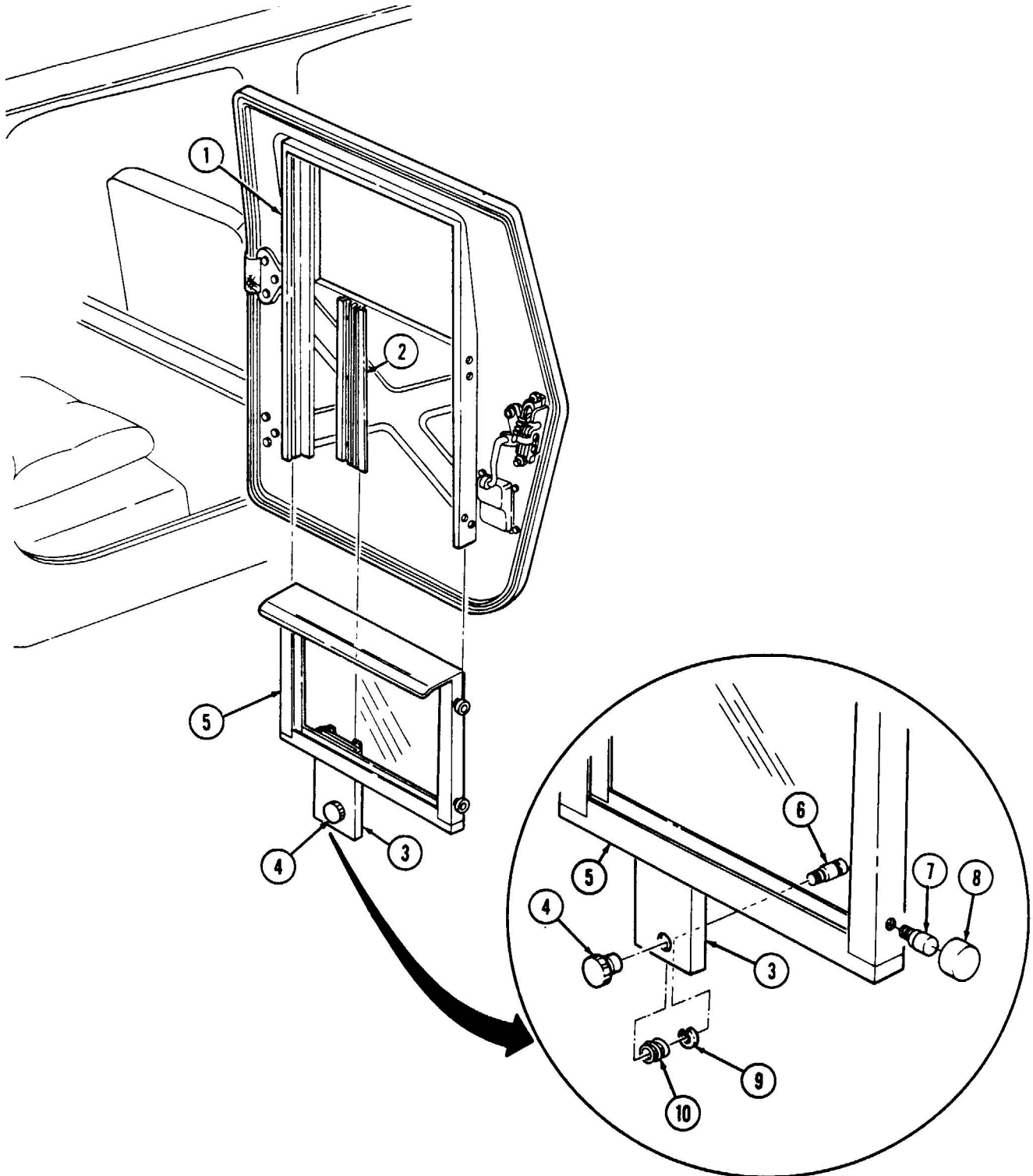
1. Remove latch knob (4) from pin (6).
2. Remove retaining ring (9), pin (6), and spring (10) from window latch (3). Discard retaining ring (9).
3. Remove four rollers (8) from guide pins (7).
4. Remove four guide pins (7) from window (5).

c. Assembly

1. Apply sealing compound to threads of guide pins (7) and install guide pins (7) on window (5) frame.
2. Install spring (10) and pin (6) on window latch (3) with retaining ring (9).
3. Apply sealing compound to threads of pin (6) and install latch knob (4) onto pin (6).
4. Install four rollers (8) on guide pins (7).

d. Installation

Align window latch (3) with window guide channel (2) and push window (5) up into guide channel (2) and door side rails (1).

11-12.7. BALLISTIC CREW DOOR WINDOW ASSEMBLY MAINTENANCE (Cont'd)

FOLLOW-ON TASKS:

- Install latch tube (para. 11-12.2).
- Install window stops (para. 11-12.9).

11-12.8. BALLISTIC CREW DOOR WINDOW PROTECTIVE SHIELD REPLACEMENT

This task covers:

- a. Initial Installation
- b. Removal

c. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts (Cont'd)

Protective shield (Appendix D, Fig. D-39)
Two blind rivets (Appendix G, Item 265)
Two blind rivets (Appendix G, Item 262.1)

Manual References

TM 43-0139
TM 9-2320-387-24P

NOTE

- The following procedure can be performed to prevent damage to door glass. This task can be accomplished with the approval of the unit commander.
- Procedures for initial installation and replacement of the protective shields are basically the same for all windows. This procedure covers the left front protective shield.

a. Initial Installation

NOTE

Initial installation steps apply only to vehicles that have not been previously retrofitted with protective shields.

1. Position protective shield (3) on inside of ballistic door (1).
2. Using protective shield (3) as a template, locate and mark three top holes (2) and two bottom holes (5) on inside of ballistic door (1).

NOTE

Ensure window is closed tightly before drilling holes for the protective shield.

3. Drill three 0.156-in. (0.396-cm) diameter holes (8) through ballistic door frame (9).
4. Drill two 0.193-in. (0.490-cm) diameter holes (6) through ballistic door (1).
5. Install protective shield (3) on ballistic door frame (9) with three screws (4).
6. Install protective shield (3) on ballistic door (1) with two 5/32-in. blind rivets (7).
7. Spot paint ballistic door (1) and protective shield (3) as necessary. Refer to TM 43-0139.

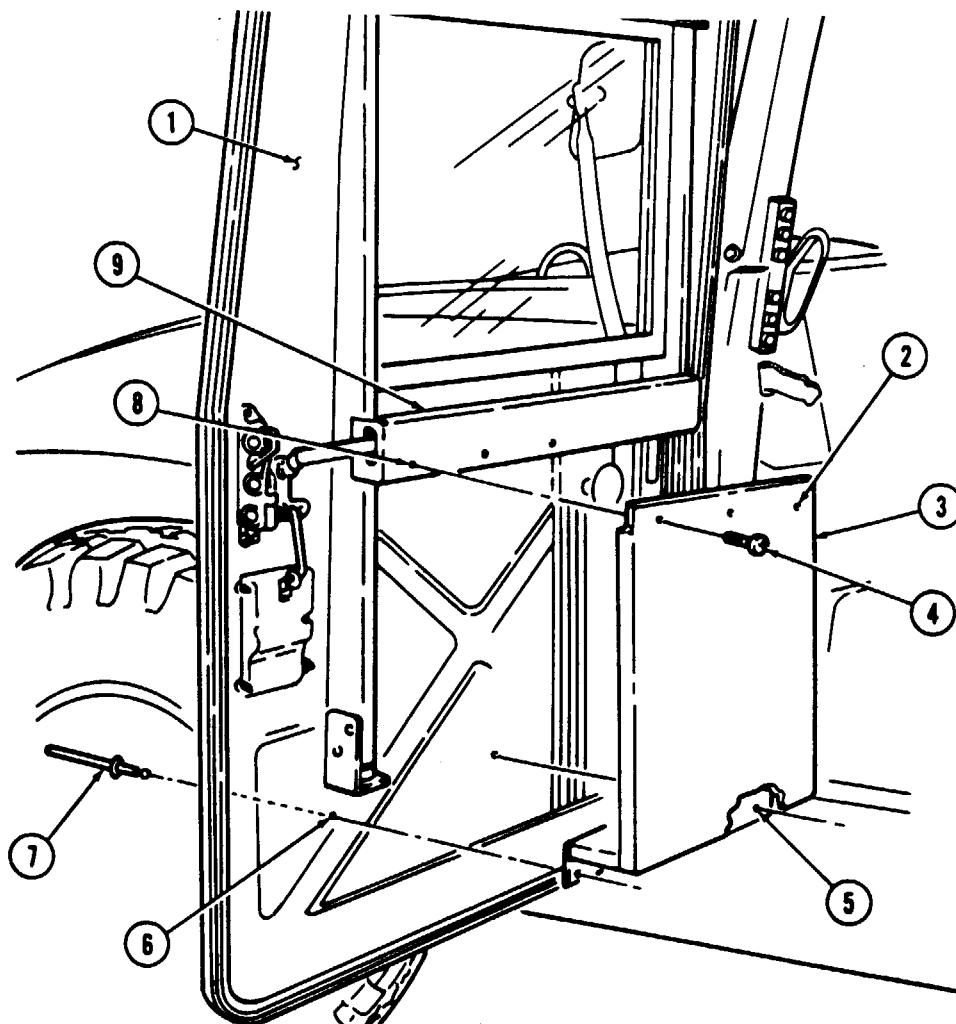
11-12.8. BALLISTIC CREW DOOR WINDOW PROTECTIVE SHIELD REPLACEMENT (Cont'd)**b. Removal****NOTE**

For instructions on replacement of rivets, refer to para. 10-56.

1. Remove two rivets (7) from protective shield (3) and ballistic door (1).
2. Remove three screws (4) and protective shield (3) from ballistic door frame (9).

c. Installation

1. Install protective shield (3) on ballistic door frame (9) with three screws (4).
2. Install protective shield (3) on ballistic door (1) with two 5/32-in. blind rivets (7).



11-12.9. BALLISTIC CREW DOOR WINDOW STOP REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP****Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 133.3)
Locknut (Appendix G, Item 133.5)

Manual References

TM 9-2320-387-24P

CAUTION

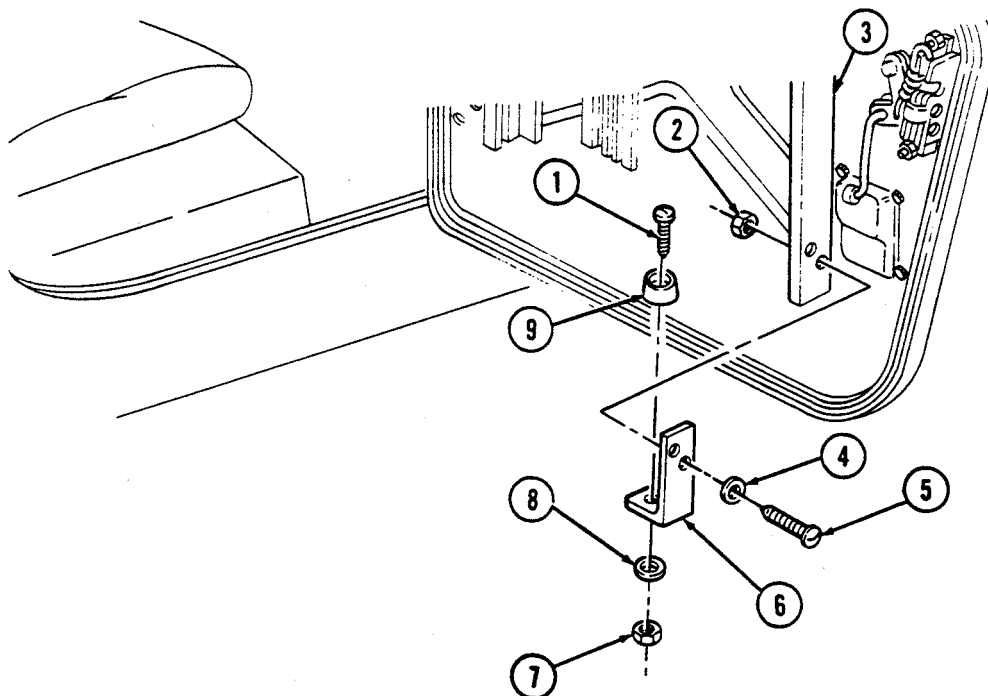
If both window stops are being replaced, ensure ballistic window is locked in the full up position to prevent damage to window.

a. Removal

1. Remove two locknuts (2), screws (5), washers (4), and window stop bracket (6) from side rail (3). Discard locknuts (2).
2. Remove locknut (7), washer (8), screw (1), and pad (9) from window stop bracket (6). Discard locknut (7).

b. Installation

1. Install pad (9) on window stop bracket (6) with screw (1), washer (8), and locknut (7).
2. Install window stop bracket (6) on side rail (3) with two washers (4), screws (5), and locknuts (2).



11-12.10. BALLISTIC CREW DOOR SEAL REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Detergent (Appendix C, Item 25)

Manual References

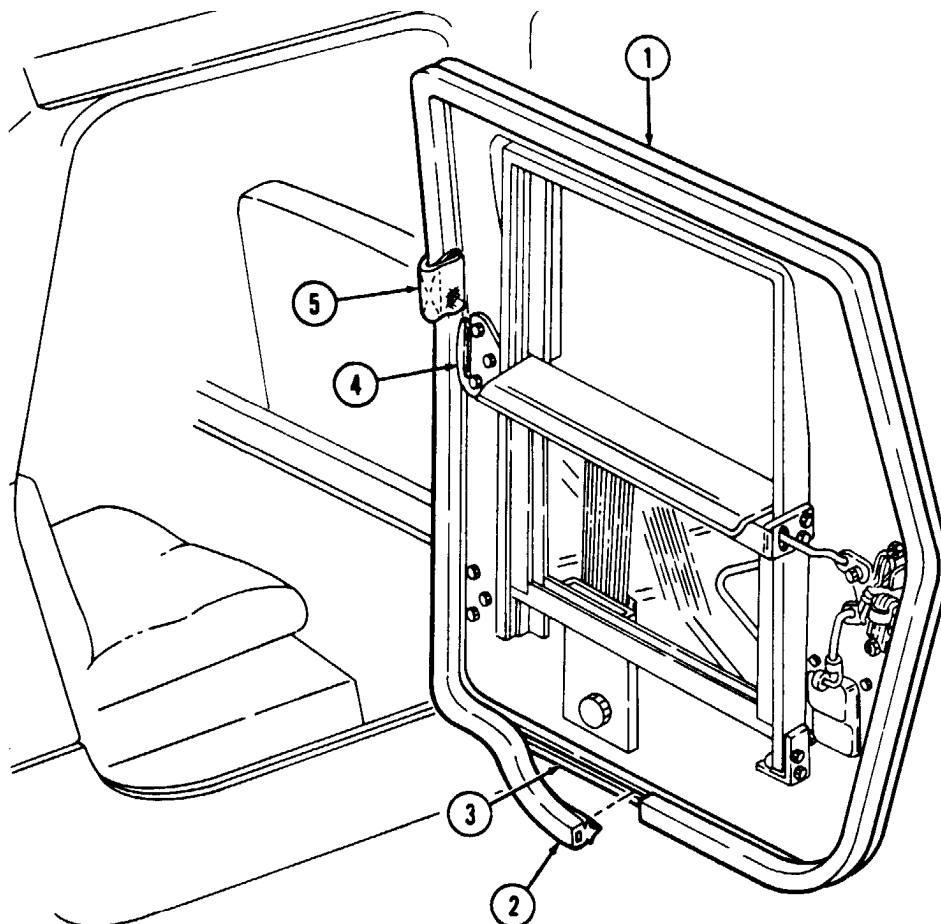
TM 9-2320-387-24P

a. Removal

1. Slide door strap (5) off doorstop bracket (4).
2. Start at end of seal (2) and pry seal (2) from seal retainer (3) around crew door (1).

b. Installation

1. Coat seal (2) with liquid detergent. Start at one end of seal (2) and press seal (2) into retainer (3) around door (1).
2. Slide door strap (5) on door stop bracket (4).



11-12.11. BALLISTIC CREW DOOR LATCH REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Lockbolt (Appendix G, Item 72.3)
Four locknuts (Appendix G, Item 133.3)

Manual References

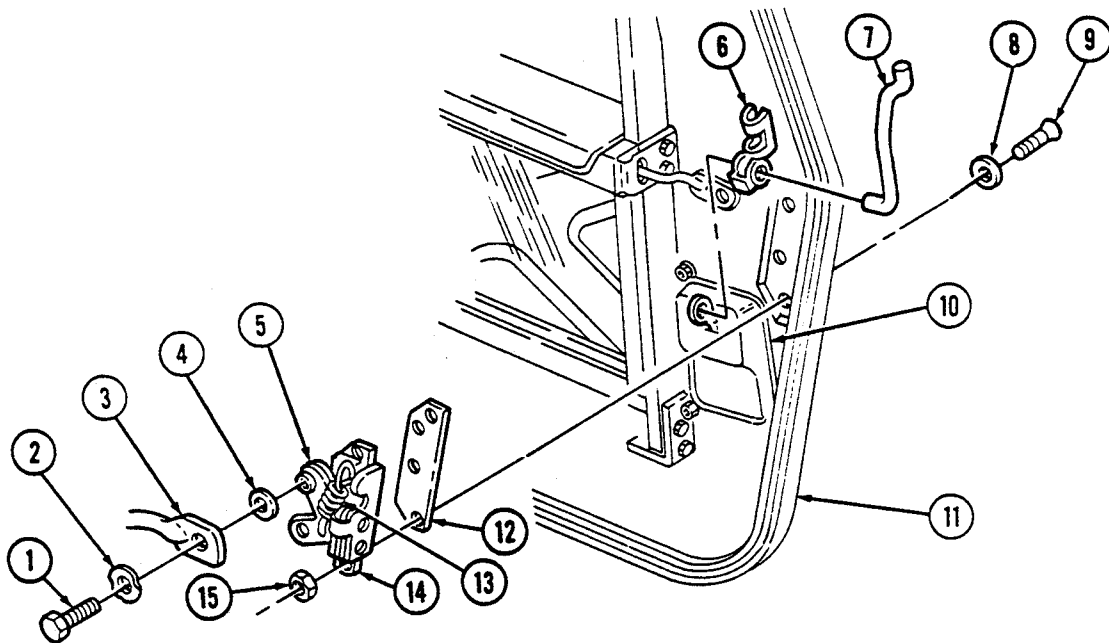
TM 9-2320-387-24P

a. Removal

1. Remove clevis clip (6) and hook (7) from paddle lock (10) and disconnect hook (7) from door latch (14).
2. Disconnect spring (13) from top of latch (14).
3. Remove lockbolt (1), wave washer (2), latch tube (3), and washer (4) from latch arm (5). Discard lockbolt (1).
4. Remove four locknuts (15), washer (8), screws (9), latch (14), and spacer (12) from crew door (11). Discard locknuts (15).

b. Installation

1. Install spacer (12) and latch (14) on crew door (11) with four washers (8), screws (9), and locknuts (15). Tighten locknuts (15) to 6 lb-ft (8 N•m).
2. Connect spring (13) to top of latch (14).
3. Install washer (4) and latch tube (3) on latch arm (5) with wave washer (2) and lockbolt (1). Tighten lockbolt (1) to 6 lb-ft (8 N•m).
4. Install hook (7) on latch (14) and connect other end of hook (7) to paddle lock (10) with clevis clip (6).



11-12.12. BALLISTIC CREW DOOR LATCH TUBE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Lockbolt (Appendix G, Item 72.3)
Four screws (Appendix G, Item 279.2)

Manual References

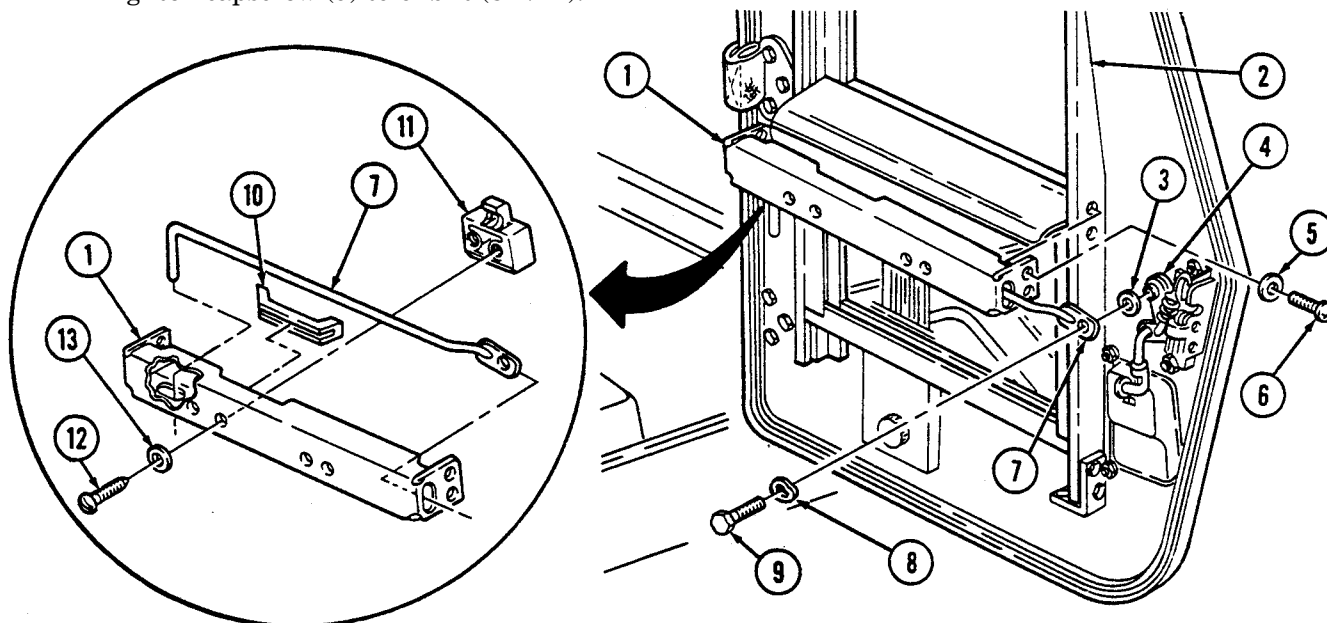
TM 9-2320-387-24P

a. Removal

1. Remove lockbolt (9), wave washer (8), latch tube (7), and washer (3) from latch arm (4). Discard lockbolt (9).
2. Remove four screws (6), washers (5), and bracket (1) from side rails (2). Discard screws (6).
3. Remove two screws (12), washers (13), and guide (11) from bracket (1).
4. Slide latch tube (7) out of bracket (1).
5. Remove protector (10) from bracket (1).

b. Installation

1. Install protector (10) on bracket (1).
2. Slide latch tube (7) into bracket (1).
3. Install guide (11) on bracket (1) with two washers (13) and screws (12).
4. Install bracket (1) on side rails (2) with four washers (5) and screws (6).
5. Install washer (3) and latch tube (7) on latch arm (4) with wave washer (8) and lockbolt (9). Tighten capscrew (9) to 6 lb-ft (8 N•m).



11-12.13. BALLISTIC CARGO SHELL DOOR MAINTENANCE

This task covers:

- a. Removal
- b. Installation
- c. Adjustment

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)
Two assembled washer screws
(Appendix G, Item 277)
Two locknuts (Appendix G, Item 82)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Rear end of cargo shell door raised
(TM 9-2320-387-10).

General Safety Instructions

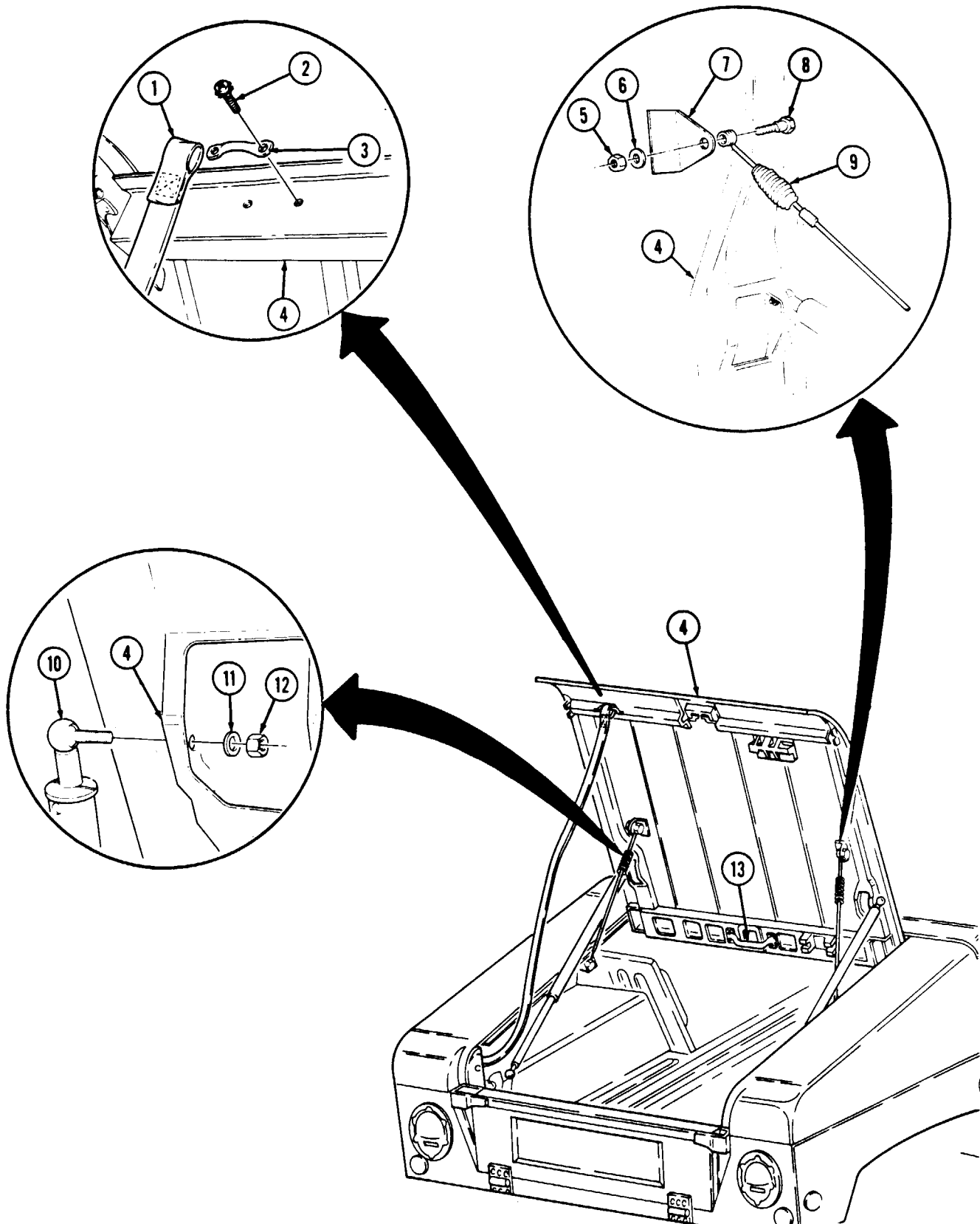
Never open one end of cargo shell door before
ensuring opposite end is securely closed.

a. Removal

WARNING

Opening one end of cargo door before ensuring opposite end is
fully closed will cause both ends to open simultaneously, resulting
in injury to personnel or damage to equipment.

1. Remove two assembled washer screws (2) and footman loop (3) from strap (1) and cargo door (4). Discard assembled washer screws (2).
2. Lower cargo door (4) slightly, and remove two locknuts (5), washers (6), shoulder bolts (8), and retention cable (9) from two retention cable brackets (7). Discard locknuts (5).
3. Slowly raise cargo door (4) as far as possible to allow removal of gas springs (10) from cargo door (4).
4. Remove two locknuts (12), washers (11), and gas springs (10) from cargo door (4) and lay gas springs (10) inside vehicle. Discard locknuts (12).
5. Lower cargo door (4), release handle latch (13), and remove cargo door (4).

11-12.13. BALLISTIC CARGO SHELL DOOR MAINTENANCE (Cont'd)

11-12.13. BALLISTIC CARGO SHELL DOOR MAINTENANCE (Cont'd)

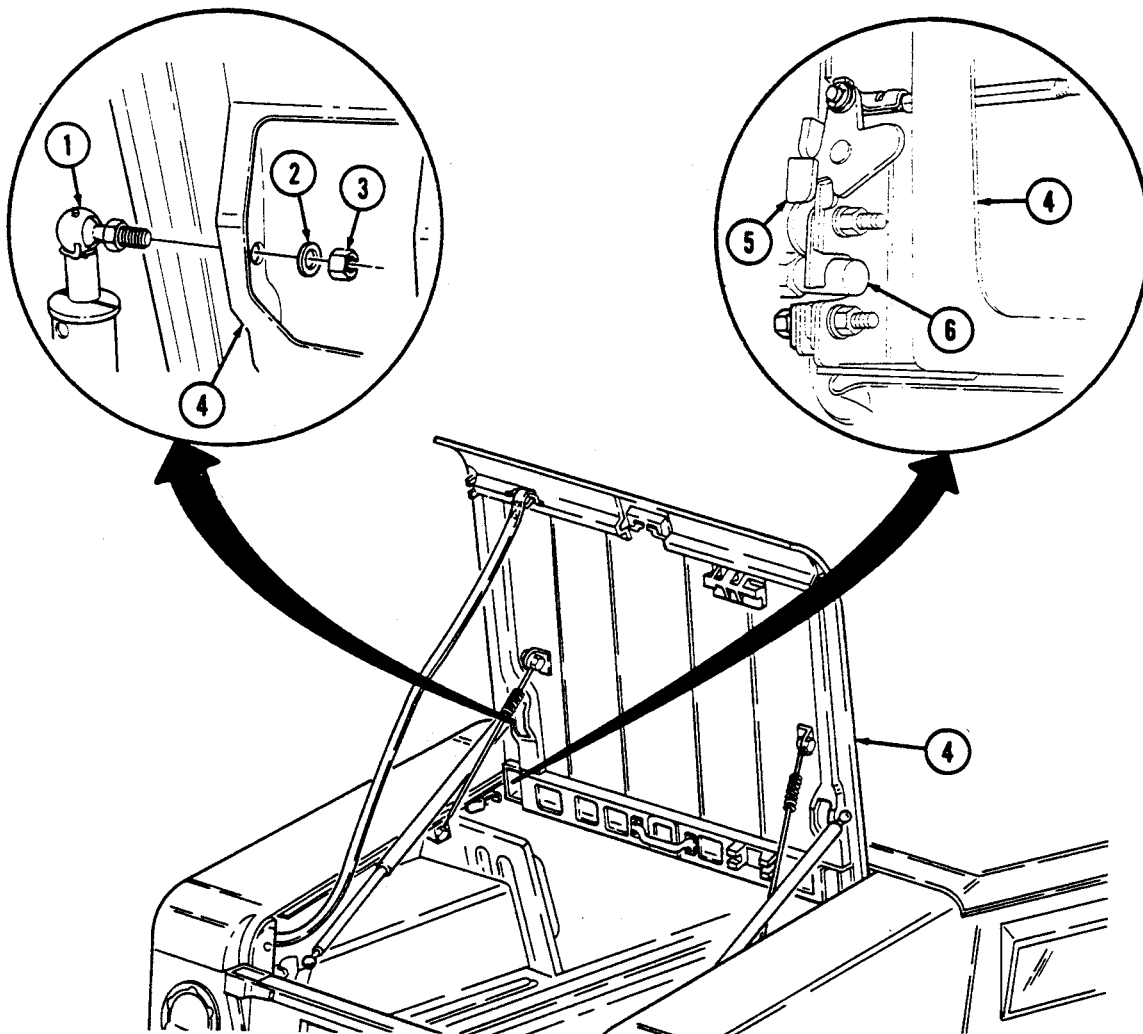
b. Installation

1. Install front latches (5) on front striker pins (6).
2. Push down on cargo door (4) edge to ensure front striker pins (6) are locked in front latches (5).
3. Slowly raise cargo door (4) as far as possible to allow installation of gas springs (1) on cargo door (4).
4. Connect two gas springs (1) to cargo door (4) with two washers (2) and locknuts (3). Tighten locknuts (3) to 15-20 lb-ft (20-27 N•m).
5. Connect two retention cables (14) to retention cable brackets (12) with two shoulder bolts (13), washers (11), and locknuts (10). Tighten locknuts (10) to 85-110 lb-in. (10-12 N•m).
6. Install strap (7) on cargo door (4) with footman loop (9) and two assembled washer screws (8).

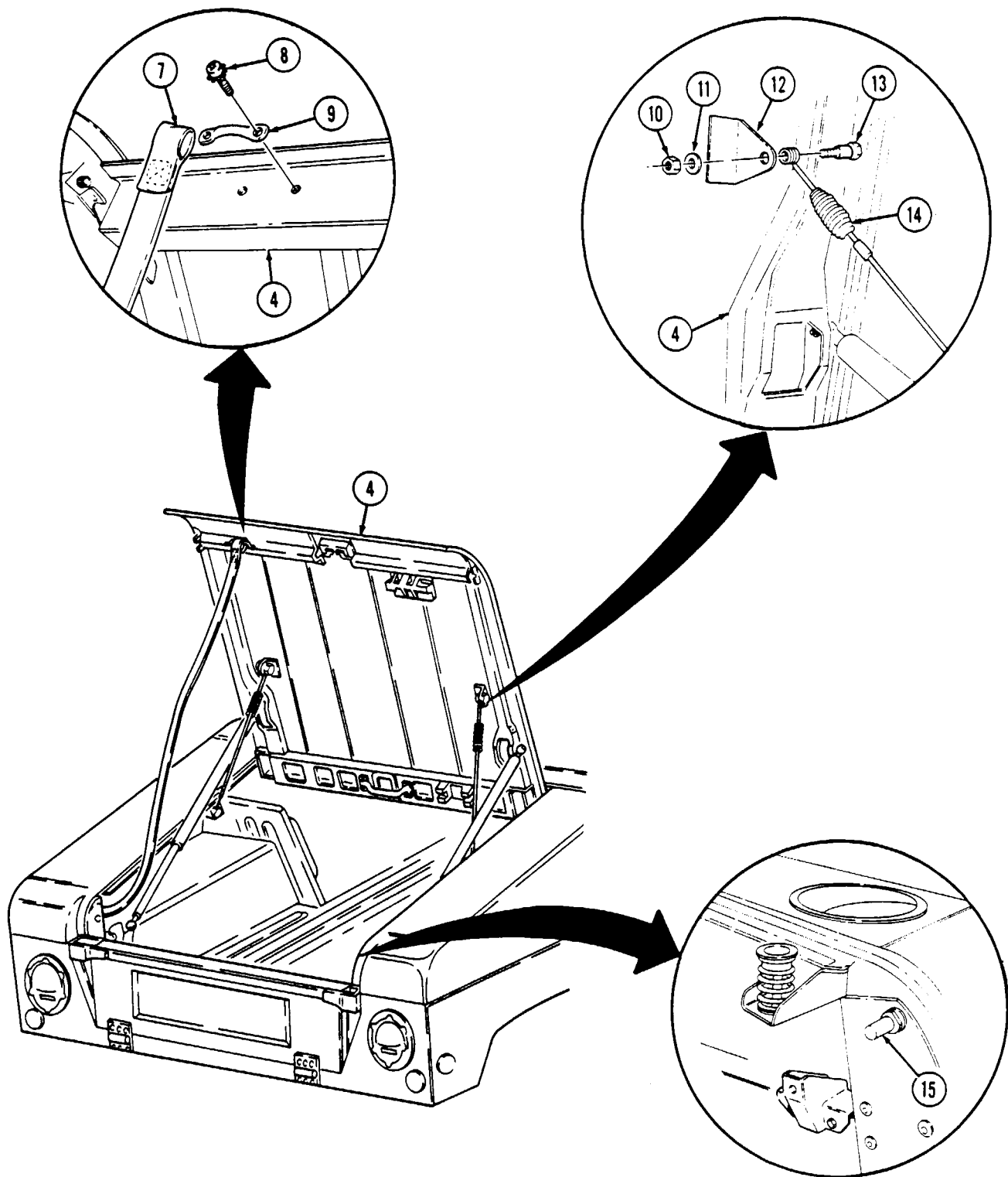
NOTE

To assist closing cargo shell door, a grab loop may be added. Refer to cargo shell door strap replacement (para. 11-22).

7. Close cargo door (4), and ensure cargo door (4) is securely latched on rear striker pins (15).



11-12.13. BALLISTIC CARGO SHELL DOOR MAINTENANCE (Cont'd)



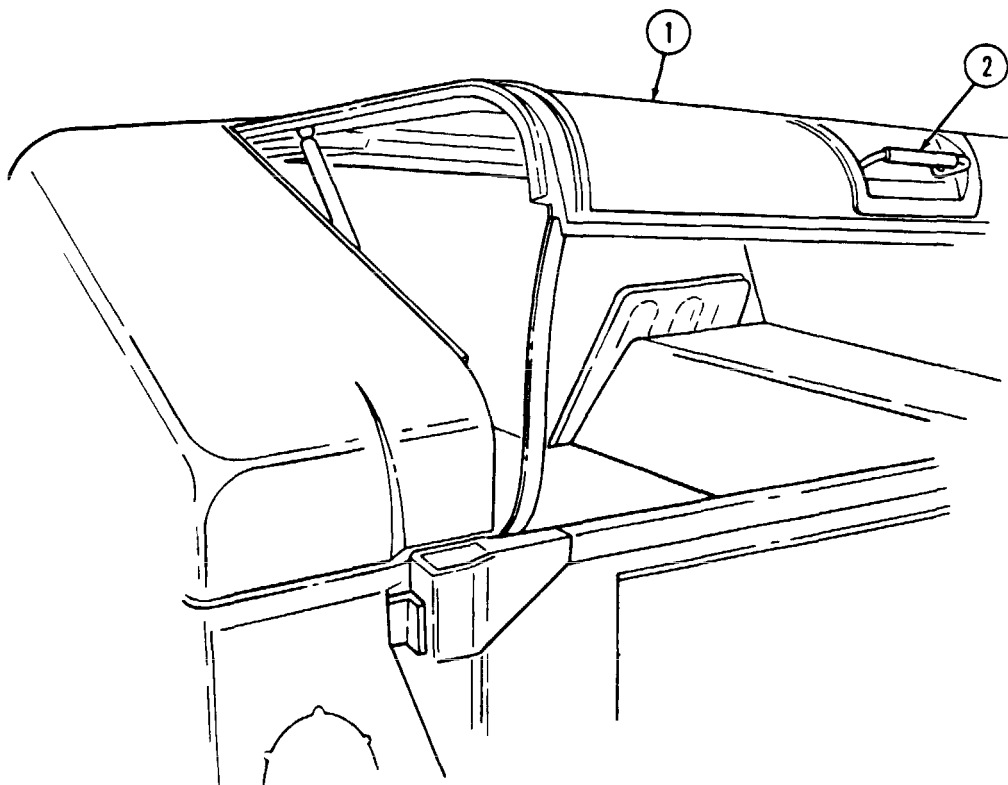
11-12.13. BALLISTIC CARGO SHELL DOOR MAINTENANCE (Cont'd)**c. Adjustment**

1. Pull rear wire handle (2) and raise rear end of cargo shell door (1).
2. Perform steps 1 through 4 of a., Removal.
3. Close cargo door (1).
4. Release handle latch (3) and push cargo door (1) open.
5. Loosen two front striker pin mounting nuts (5).
6. Loosen two countersunk screws (11) and nuts (10) to allow movement of male dovetail (9).
7. Close cargo door (1). Ensure front striker pins (7) are secured and centered in front latches (6).
8. Ensure male dovetail (9) is aligned with female dovetail (8).

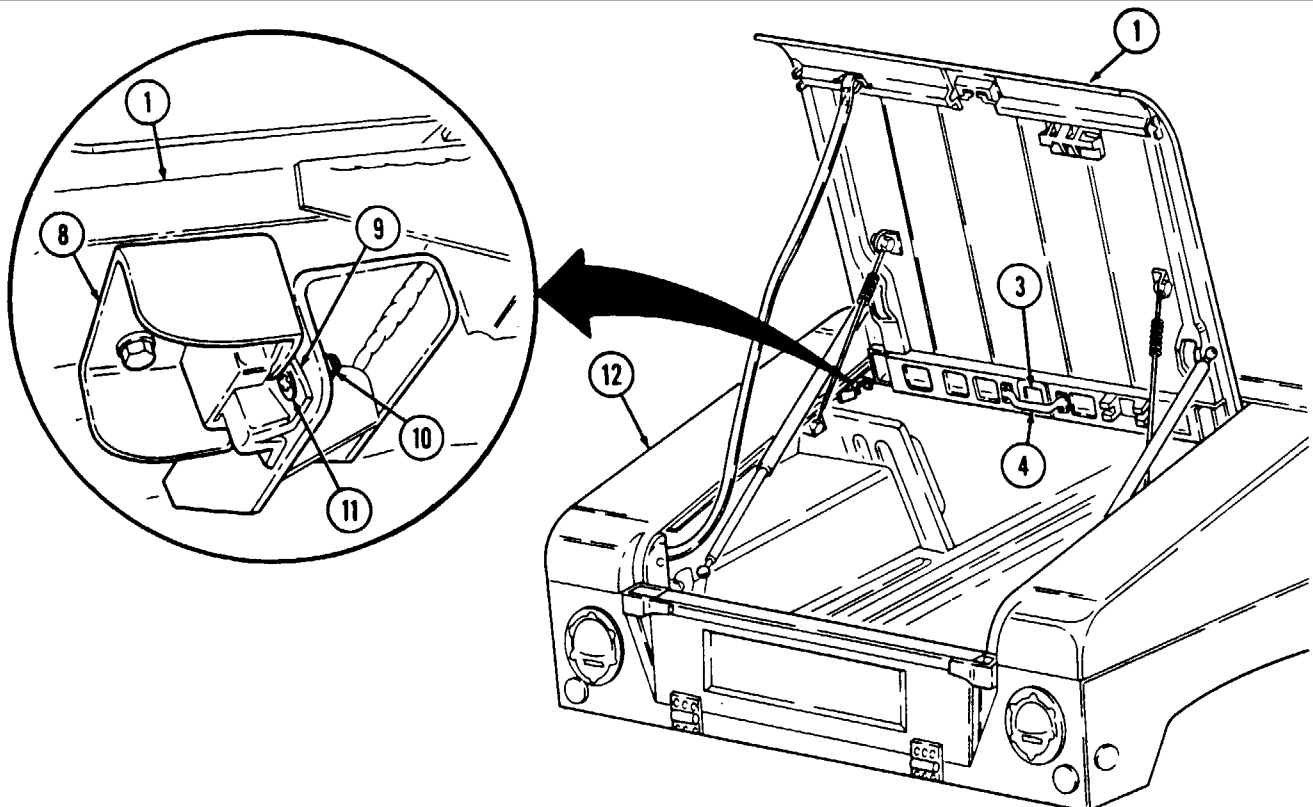
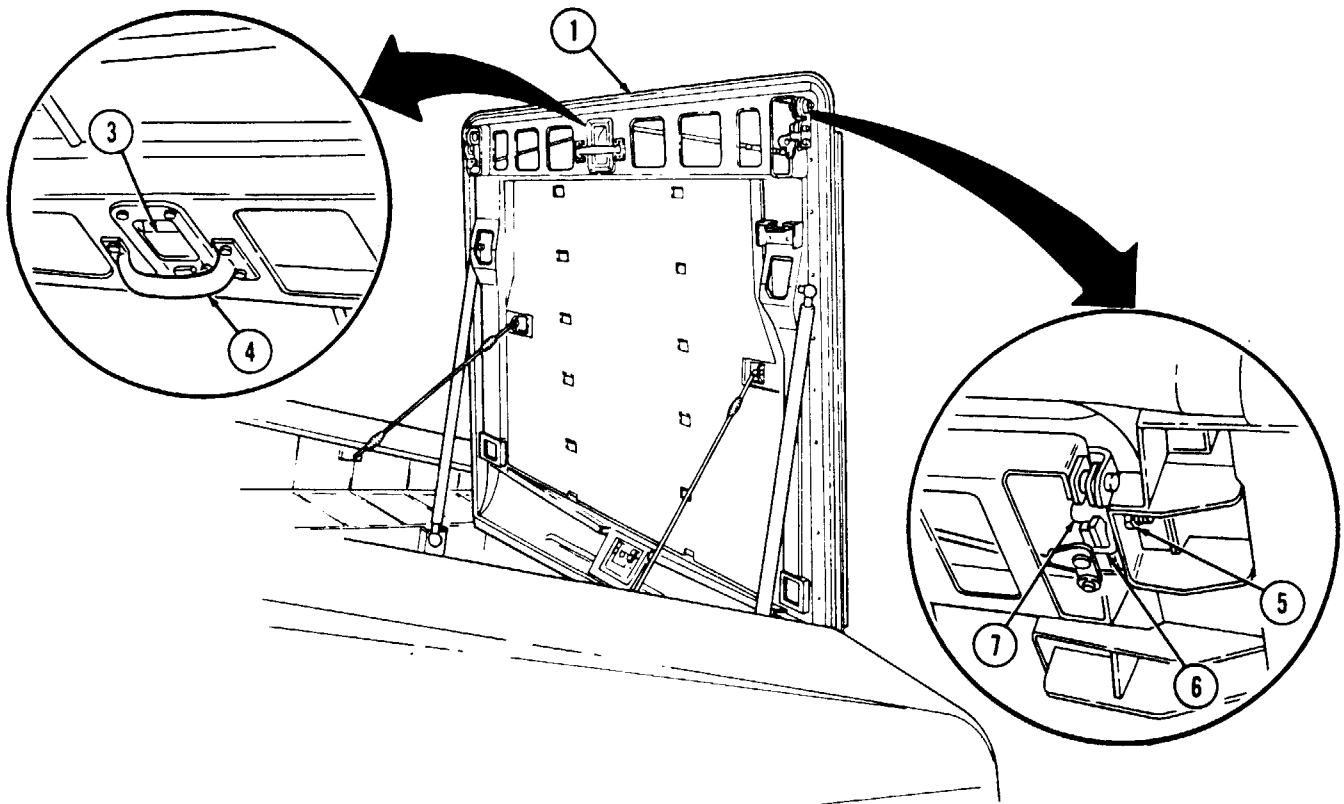
NOTE

It may be necessary to shim front striker pins for proper door alignment and operation.

9. Pull down on handle (4) to ensure cargo door (1) properly seals to cargo shell (12). With striker pins (7) properly adjusted, tighten striker pin mounting nuts (5) to 35-45 lb-ft (47-61 N•m).
10. Release handle latch (3) and push cargo door (1) open.
11. Tighten two nuts (10) on male dovetail (9) to 85-110 lb-in. (10-12 N•m).
12. Lower cargo door (1). Ensure front striker pins (7) are secured and centered in front latches (6).
13. Raise cargo door (1) from rear wire handle (2) and perform steps 3 through 6 of b., Installation.
14. Insert a piece of paper between door seals and door opening. With cargo door closed, seals should offer resistance when pulling out paper. If door seals do not offer resistance, readjust cargo door.



11-12.13. BALLISTIC CARGO SHELL DOOR MAINTENANCE (Cont'd)



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

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11-24.1. CARGO SHELL DOOR SEAL PROTECTOR REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Thirteen locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

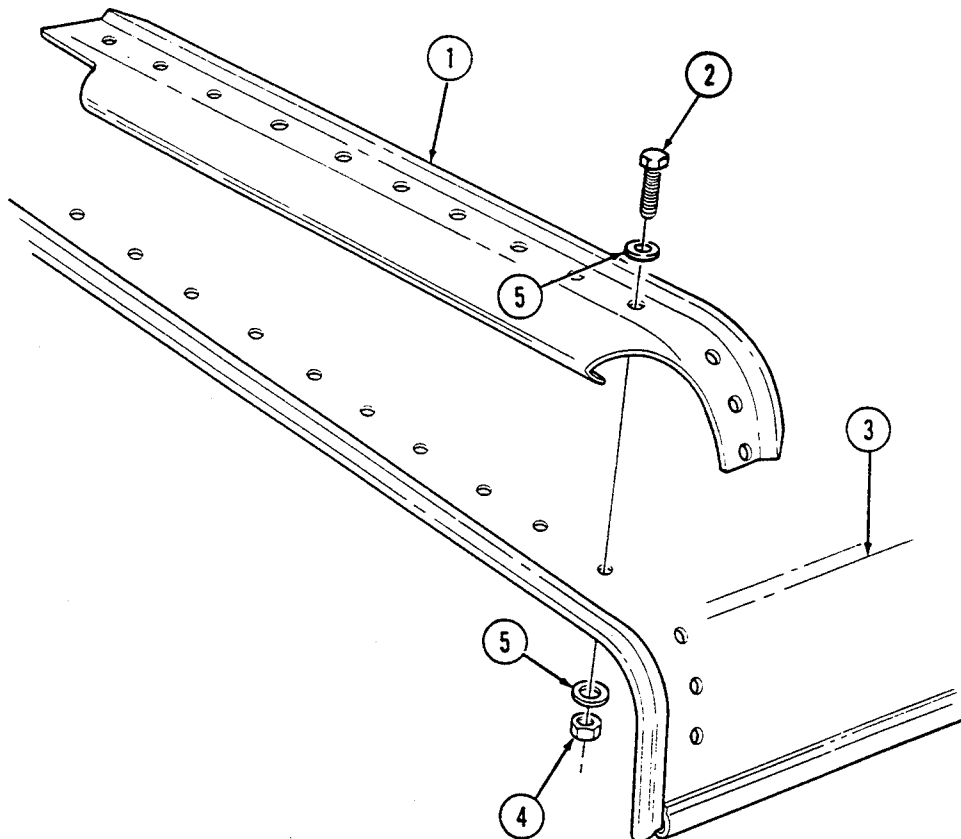
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

Remove thirteen locknuts (4), washers (5), capscrews (2), washers (5), and seal protector (1) from cargo door (3). Discard locknuts (4).

b. Installation

Install seal protector (1) on cargo door (3) with thirteen washers (5), capscrews (2), washers (5), and locknuts (4). Tighten locknuts (4) to 85-100 lb-in. (10-12 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

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11-29.1. CARGO SHELL DOOR GAS SPRING MOUNTING BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Tape (Appendix C, Item 78)
Four locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

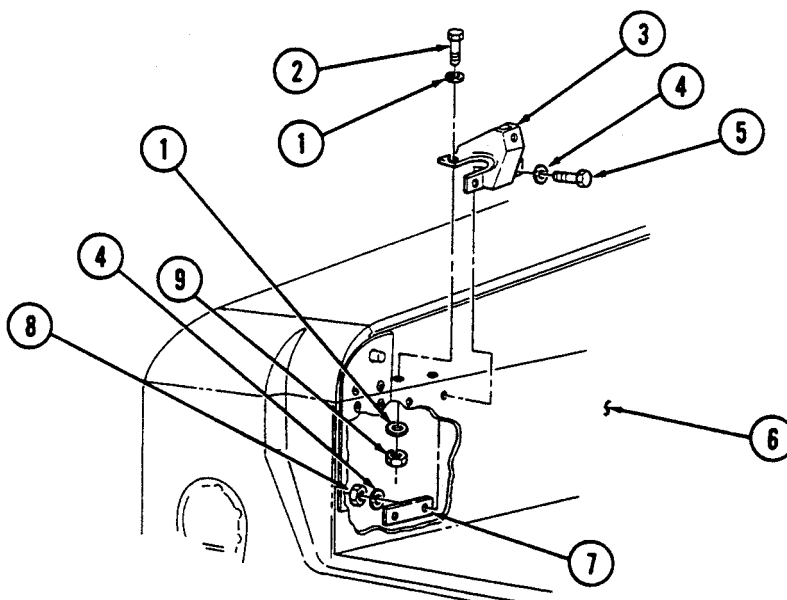
- Tailgate lowered (TM 9-2320-387-10).
- Gas spring removed (para. 11-22).

a. Removal

1. Remove two locknuts (9), washers (1), capscrews (2), and washers (1) from bracket (3) and wheelhouse (6). Discard locknuts (9).
2. Remove two locknuts (8), washers (4), backing plate (7), capscrews (5), washers (4), and bracket (3) from wheelhouse (6). Discard locknuts (8). Remove tape from bracket (3) and discard tape.

b. Installation

1. Apply tape to bracket (3) mounting surfaces. Install bracket (3) on wheelhouse (6) with two washers (4), capscrews (5), backing plate (7), washers (4), and locknuts (8). Tighten locknuts (8) to 8 lb-ft (11 N·m).
2. Secure bracket (3) to wheelhouse (6) with two washers (1), capscrews (2), washers (1), and locknuts (9). Tighten locknuts (9) to 8 lb-ft (11 N·m).



FOLLOW-ON TASKS: • Install gas spring (para. 11-22).
• Raise and secure tailgate (TM 9-2320-387-10).

11-29.2. CARGO BULKHEAD REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 106)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

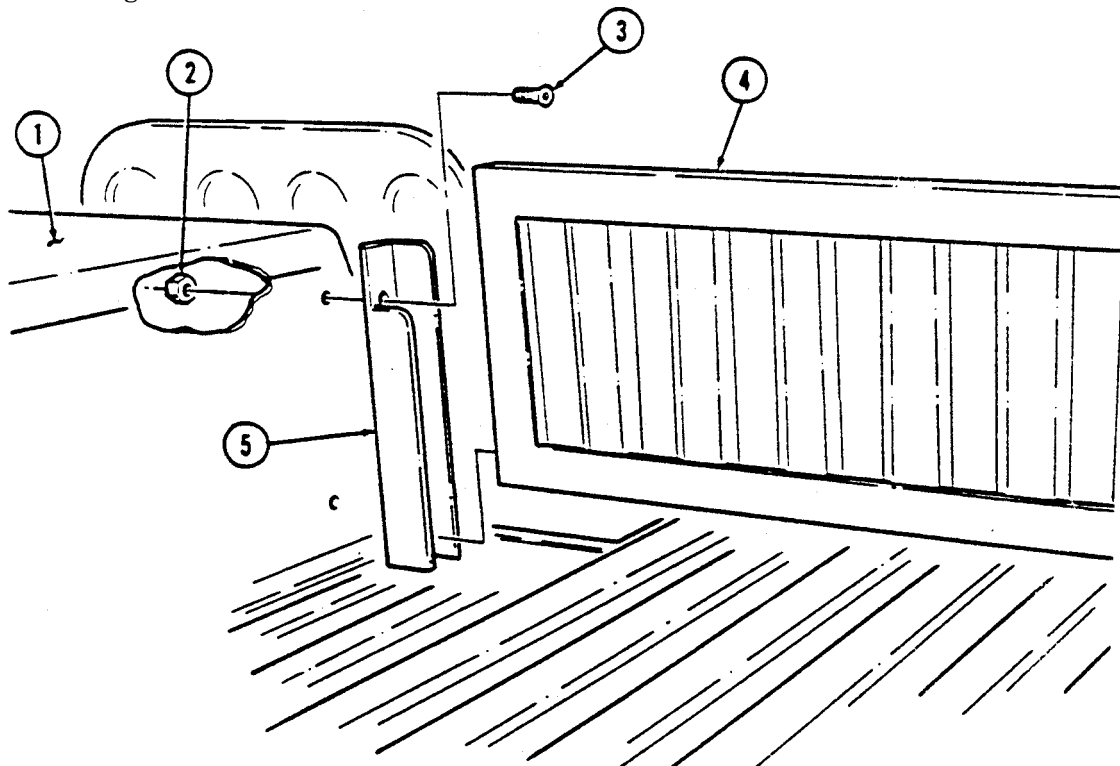
Stowage compartment net removed
(TM 9-2320-387-10).

a. Removal

1. Remove cargo bulkhead (4) from two channels (5).
2. Remove four locknuts (2), hex head screws (3), and two channels (5) from wheel housings (1). Discard locknuts (2).

b. Installation

1. Install two channels (5) on wheel housings (1) with four hex head screws (3) and locknuts (2).
2. Tighten locknuts (2) to 15 lb-ft (20 N•m).
3. Install cargo bulkhead (4) in two channels (5).



FOLLOW-ON TASK: Install stowage compartment net (TM 9-2320-387-10).

11-30.1. CARGO SHELL ROOF INSULATION PANEL REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:**Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Primer adhesive (Appendix C, Item 54.1)

Manual References

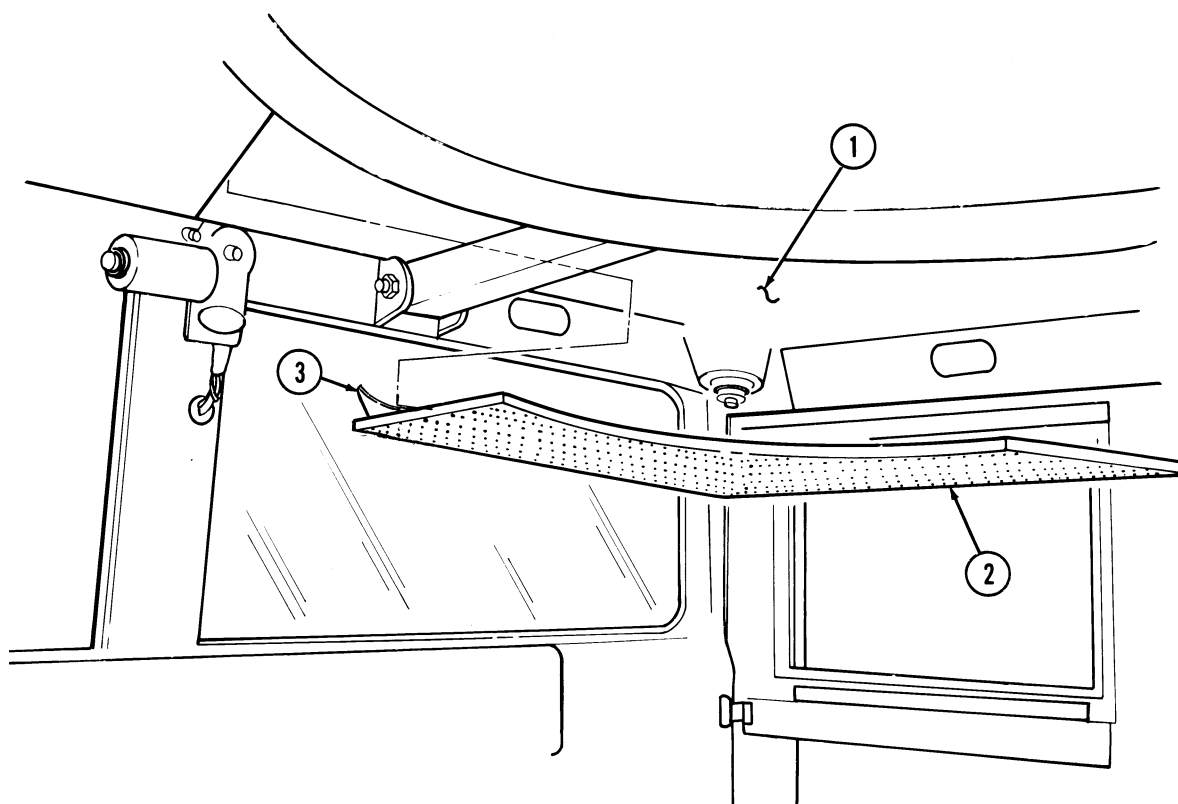
TM 9-2320-387-24P

a. Removal

1. Remove insulation panel (2) from roof (1).
2. Clean roof (1) surface to remove adhesive.

b. Installation

1. Spray primer adhesive on roof (1), peel paper backing (3) from panel (2), and install panel (2) on roof (1).
2. Press panel (2) surface to ensure adhesion.



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11-38. RIGHT COWL ARMOR PLATE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-24P

Equipment Condition

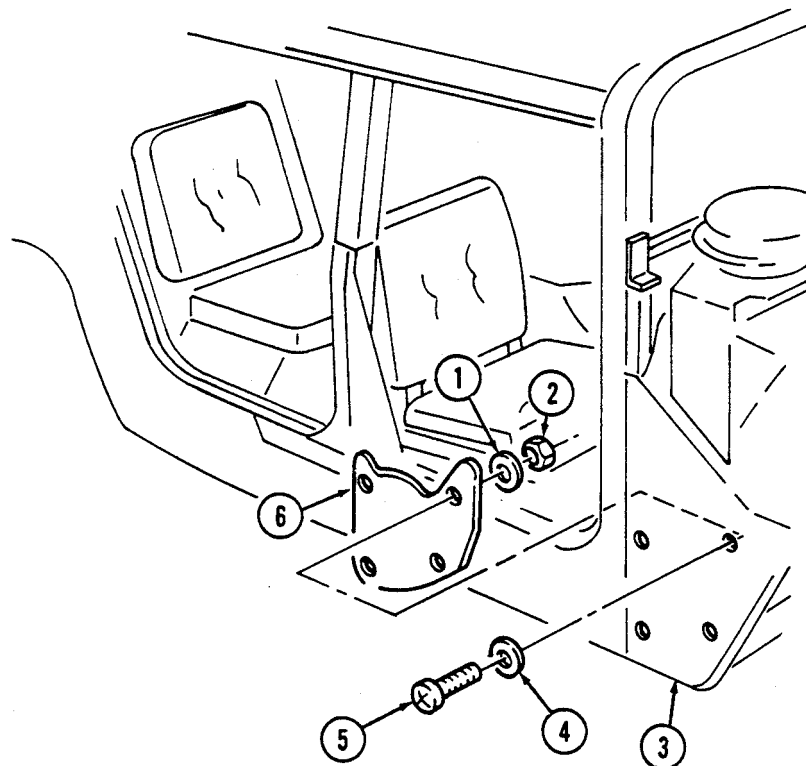
Ballistic crew door removed (para. 11-12.2).

a. Removal

Remove four locknuts (2), washers (1), screws (5), washers (4), and armor plate (6) from cowl (3).
Discard locknuts (2).

b. Installation

Install armor plate (6) on cowl (3) with four washers (4), screws (5), washers (1), and locknuts (2).
Tighten locknuts (2) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Install ballistic crew door (para. 11-12.2).

11-38.1. LEFT COWL ARMOR PLATE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Seven locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-24P

Equipment Condition

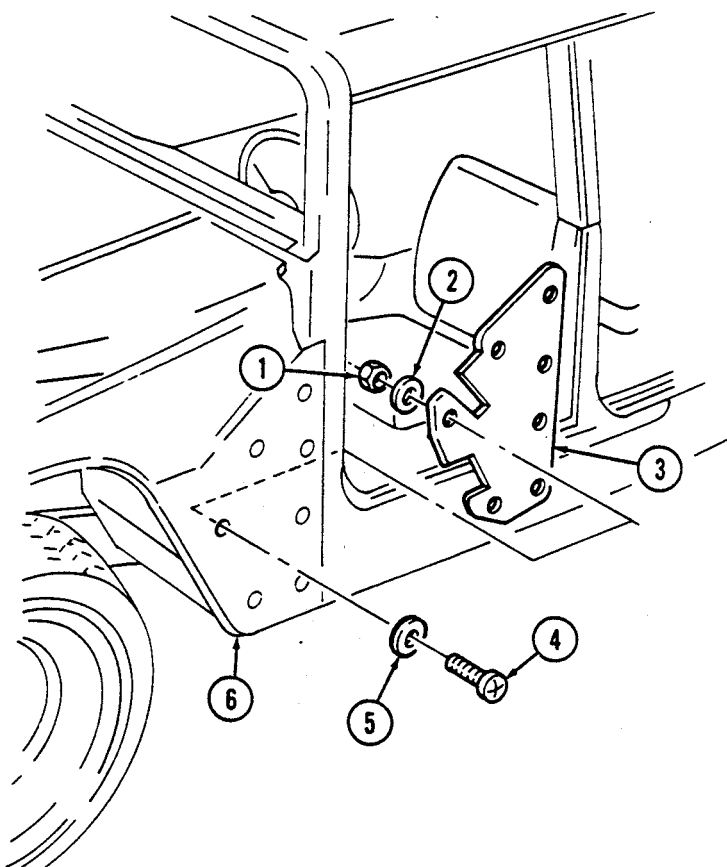
Ballistic crew door removed (para. 11-12.2).

a. Removal

Remove seven locknuts (1), washers (2), screws (4), washers (5), and armor plate (3) from cowl (6).
Discard locknuts (1).

b. Installation

Install armor plate (3) on cowl (6) with seven washers (5), screws (4), washers (2), and locknuts (1).
Tighten locknuts (1) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Install ballistic crew door (para. 11-12.2).

11-41.1. RIGHT WHEELHOUSE ARMOR PLATE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Fourteen locknuts (Appendix G, Item 77)
Sound dampener (Appendix G, Item 314.2)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

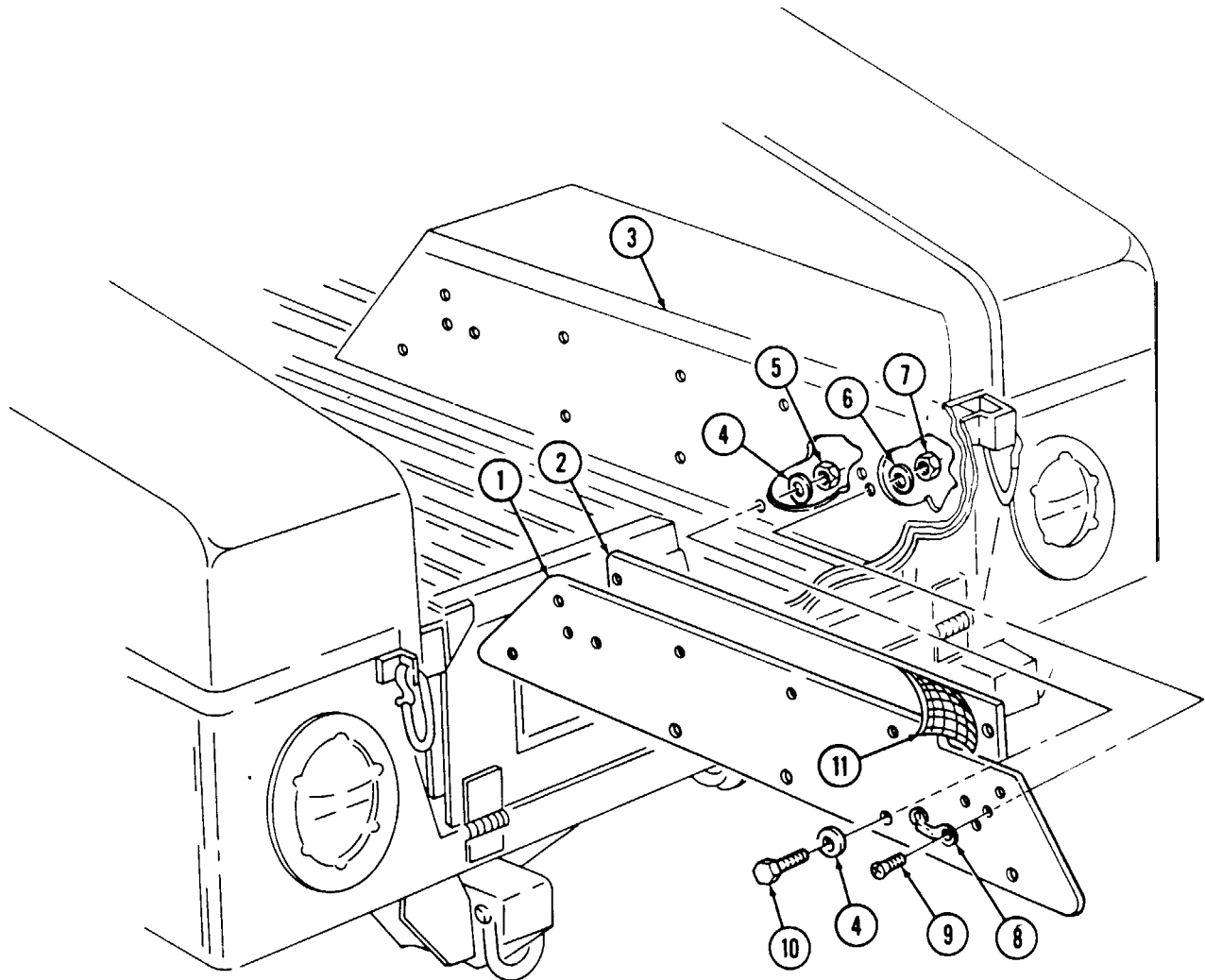
Machine gun stop removed (para. 11-67.9).

a. Removal

1. Remove four locknuts (7), washers (6), screws (9), and two footman loops (8) from wheelhouse (3). Discard locknuts (7).
2. Remove ten locknuts (5), washers (4), capscrews (10), washers (4), armor plate (1), and sound dampener (2) from wheelhouse (3). Discard locknuts (5) and sound dampener (2).
3. Clean armor plate (1) to remove adhesive.

b. Installation

1. Peel paper backing (11) from sound dampener (2) and install sound dampener (2) on armor plate (1).
2. Install armor plate (1) on wheelhouse (3) with ten washers (4), capscrews (10), washers (4), and locknuts (5). Tighten capscrews (10) to 6 lb-ft (8 N•m).
3. Install two footman loops (8) on wheelhouse (3) with four screws (9), washers (6), and locknuts (7).

11-41.1. RIGHT WHEELHOUSE ARMOR PLATE REPLACEMENT (Cont'd)

FOLLOW-ON TASKS: Close cargo shell door (TM 9-2320-387-10).

11-41.2. FOOTWELL ARMOR PLATE REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 77)

Manual References

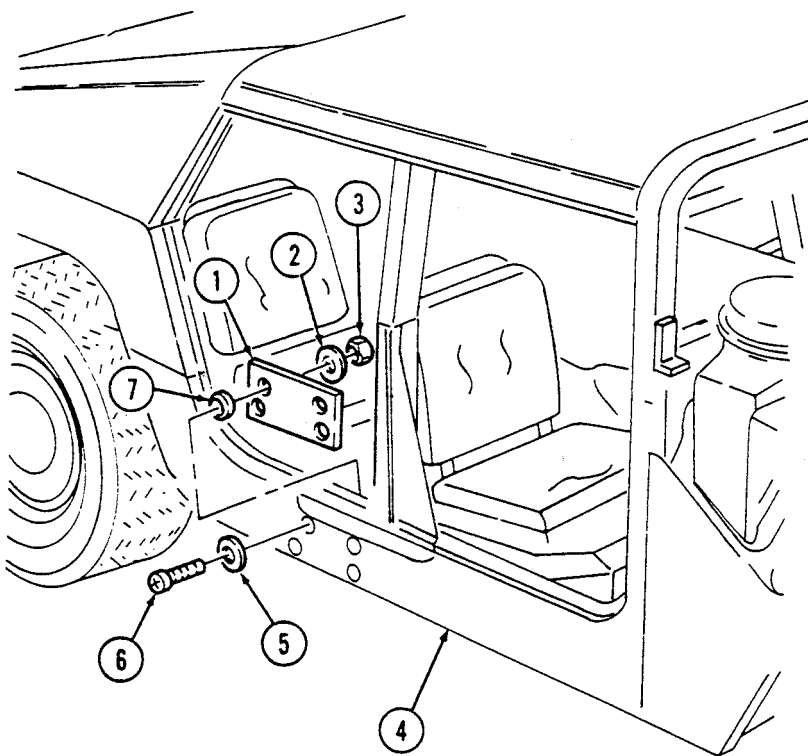
TM 9-2320-387-24P

a. Removal

Remove four locknuts (3), washers (2), screws (6), washers (5), armor plate (1), and four spacers (7) from body (4). Discard locknuts (3).

b. Installation

Install four spacers (7) and armor plate (1) on body (4) with four washers (5), screws (6), washers (2), and locknuts (3). Tighten locknuts (3) to 6 lb-ft (8 N•m).



11-41.3. LEFT WHEELHOUSE ARMOR PLATE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Water can bumper removed (para. 11-70.2).

Materials/Parts

Ten locknuts (Appendix G, Item 77)
Sound dampener (Appendix G, Item 314.3)

Personnel Required

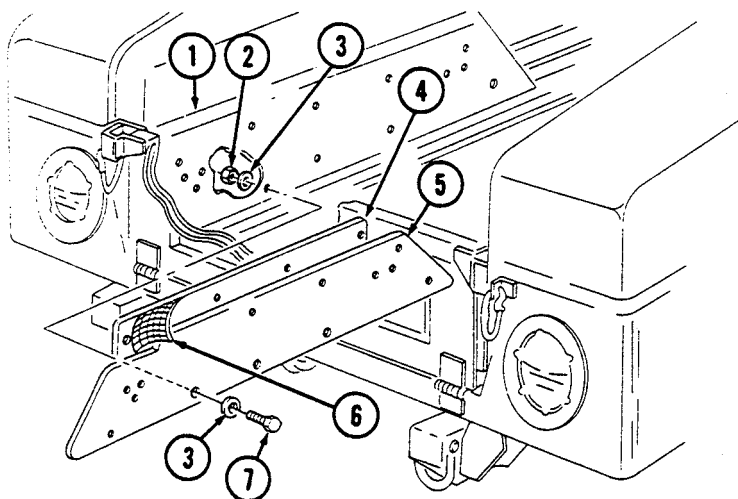
One mechanic
One assistant

a. Removal

1. Remove ten locknuts (2), washers (3), capscrews (7), washers (3), armor plate (5), and sound dampener (4) from wheelhouse (1). Discard locknuts (2) and sound dampener (4).
2. Clean armor plate (5) to remove adhesive.

b. Installation

1. Peel paper backing (6) from sound dampener (4) and install sound dampener (4) on armor plate (5).
2. Install armor plate (5) on wheelhouse (1) with ten washers (3), capscrews (7), washers (3), and locknuts (2). Tighten capscrews (7) to 6 lb-ft (8 N•m).



FOLLOW-ON TASKS: Close cargo shell door (TM 9-2320-387-10).

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11-44.1. B-PILLAR PADDING REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit: automotive
(Appendix B, Item 1)

Equipment Condition

Remove rifle mounting clamp bracket (if equipped)
(para. 11-67.2).

Materials/Parts

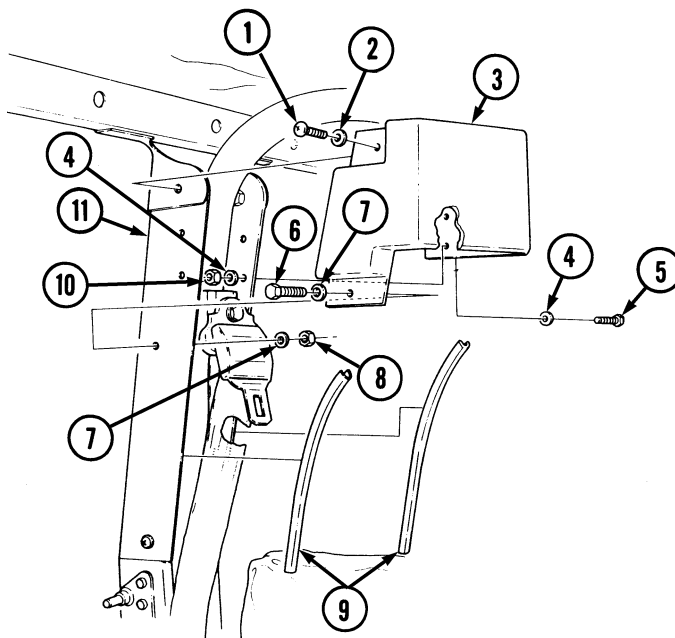
Two locknuts (Appendix G, Item 105)

a. Removal

1. Remove locknut (8), washer (7), capscrew (6), and washer (7) from padding (3) and B-pillar (11). Discard locknut (8).
2. Remove locknut (10), washer (4), capscrew (5), and washer (4) from padding (3) and B-pillar (11). Discard locknut (10).
3. Remove screw (1), washer (2), and padding (3) from B-pillar (11).
4. Remove edge trim (9) from B-pillar (11).

b. Installation

1. Install edge trim (9) on B-pillar (11).
2. Install padding (3) on B-pillar (11) with washer (2) and screw (1).
3. Secure padding (3) to B-pillar (11) with washer (4), capscrew (5), washer (4), and locknut (10).
4. Secure padding (3) to B-pillar (11) with washer (7), capscrew (6), washer (7), and locknut (8).



FOLLOW-ON TASK: Install rifle mounting clamp bracket (if removed) (para. 11-67.2).

11-47.1. TAILGATE ARMOR PLATE REPLACEMENT (M1151)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Nine lockwashers (Appendix G, Item 146)
Sound dampener (Appendix G, Item 314.4)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

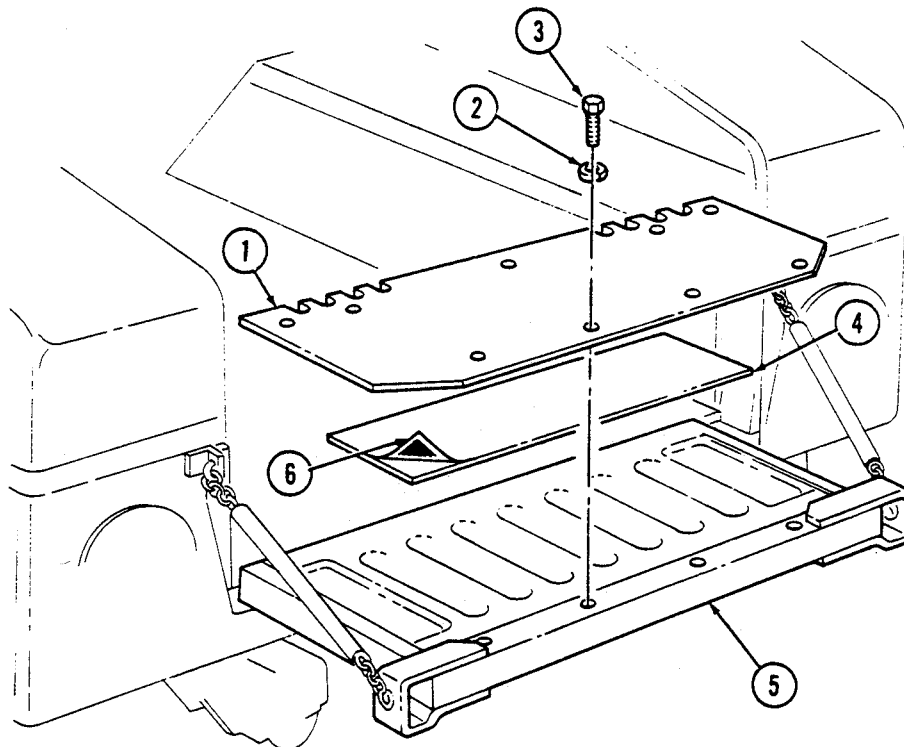
Tailgate lowered (TM 9-2320-387-10).

a. Removal

1. Remove nine capscrews (3), lockwashers (2), armor plate (1), and sound dampener (4) from tailgate (5). Discard lockwashers (2) and sound dampener (4).
2. Clean armor plate (1) to remove adhesive.

b. Installation

1. Peel paper backing (6) from sound dampener (4) and install sound dampener (4) on armor plate (1).
2. Install armor plate (1) on tailgate (5) with nine lockwashers (2) and capscrews (3). Tighten capscrews (3) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Raise and secure tailgate (TM 9-2320-387-10).

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11-49.1. WEAPON STATION HATCH REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

RTV Sealant (Appendix C, Item 14)
Locknut (Appendix G, Item 106)

Manual References

TM 9-2320-387-24P

a. Removal

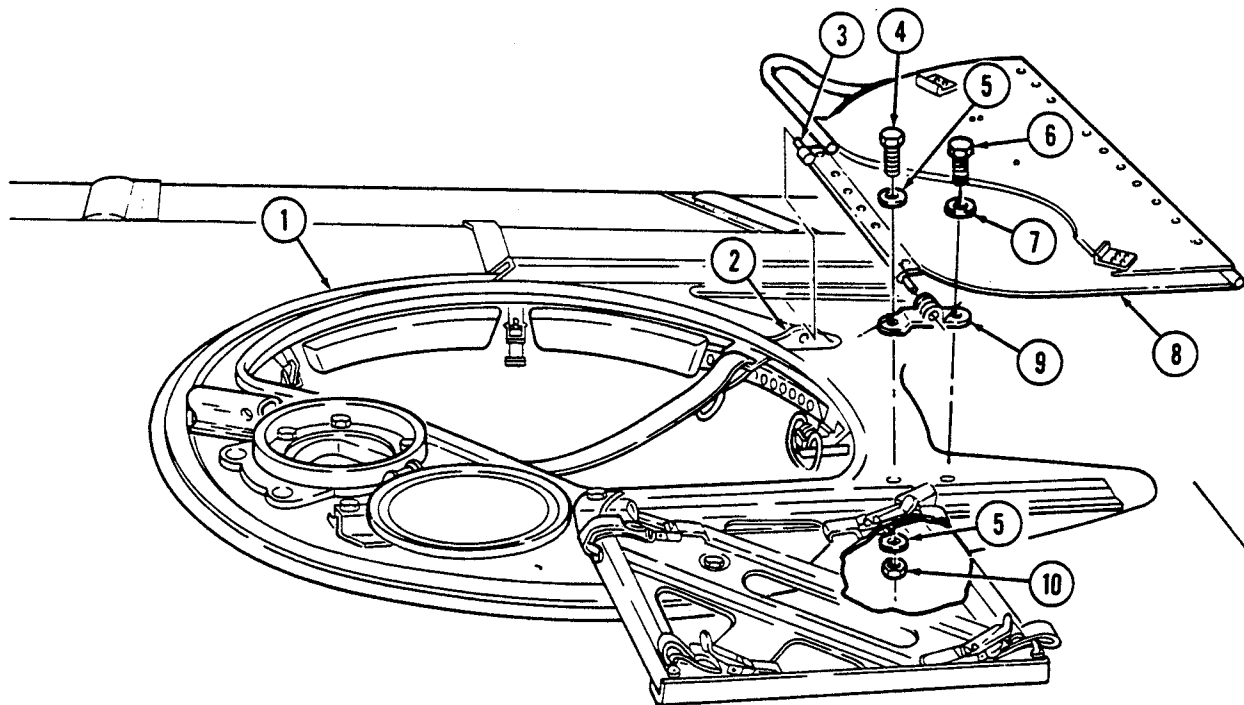
1. Remove capscrew (6) and washer (7) from hatch pivot bracket (9) and weapon station (1).
2. Remove locknut (10), washer (5), capscrew (4), washer (5), and hatch pivot bracket (9) from weapon station (1). Discard locknut (10).
3. Slide hatch hinge pin (3) out from hatch pivot bracket (2) and remove weapon station hatch (8).

b. Installation

NOTE

Some hatches may leak water. To prevent water leaks, install NSN 5330-01-190-2227 seal on hatch with RTV sealant.

1. Install weapon station hatch (8) with hatch hinge pin (3) in hatch pivot bracket (2).
2. Install hatch pivot bracket (9) on weapon station (1) with washer (5), capscrew (4), washer (5), and locknut (10).
3. Install hatch pivot bracket (9) on weapon station (1) with washer (7) and capscrew (6). Tighten locknut (10) and capscrew (6) to 37 lb-ft (50 N•m).



11-49.2. WEAPON STATION HATCH HANDLE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Two locknuts (Appendix G, Item 76)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

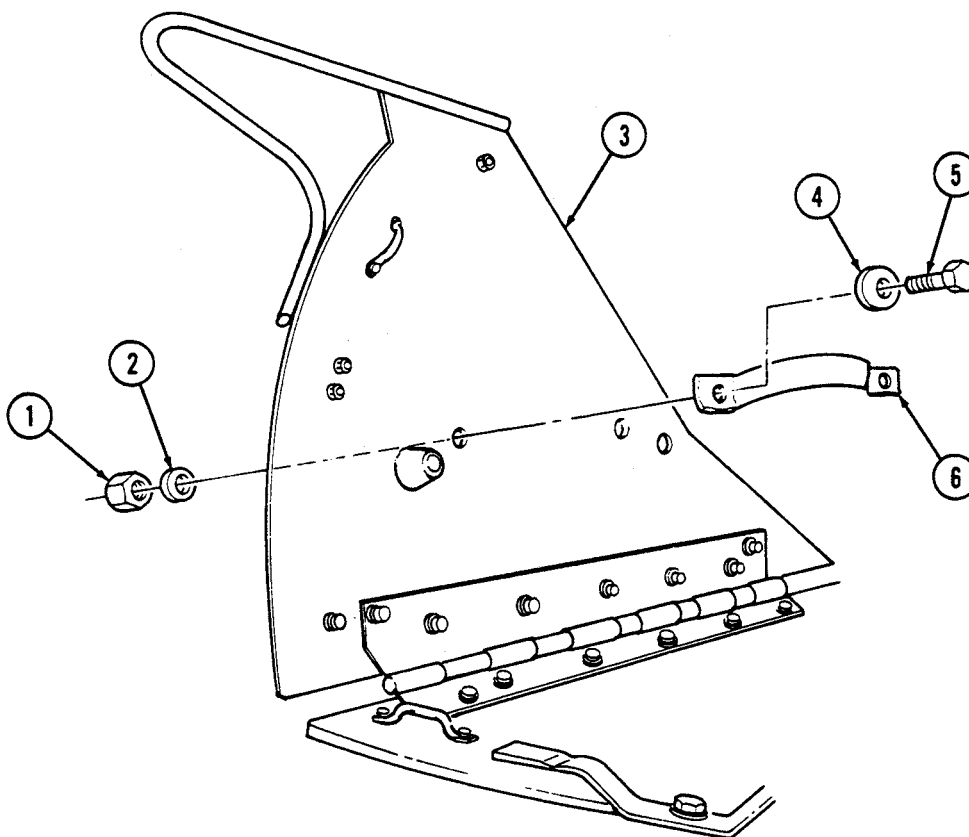
TM 9-2320-387-24P

a. Removal

Remove two locknuts (1), washers (2), capscrews (5), large washers (4), and handle (6) from hatch (3). Discard locknuts (1).

b. Installation

Install handle (6) on hatch (3) with two large washers (4), capscrews (5), washers (2), and locknuts (1). Tighten locknuts to 6 lb-ft (8 N•m).



11-49.3. WEAPON STATION HATCH HINGE PIN REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)

Manual References

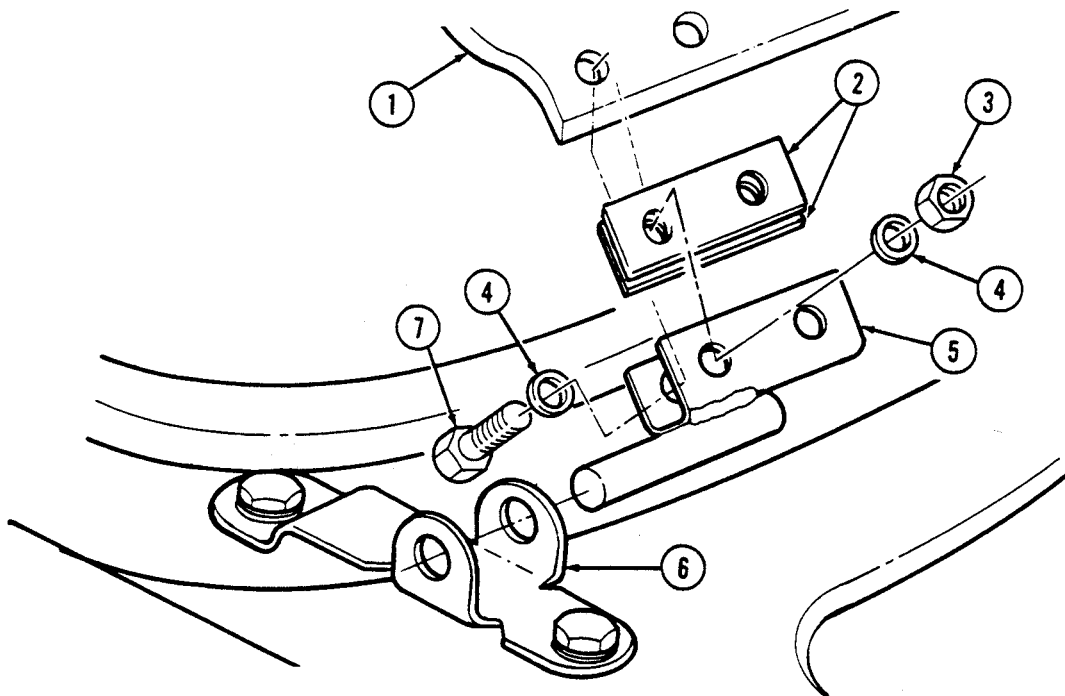
TM 9-2320-387-24P

a. Removal

1. Remove two locknuts (3), washers (4), capscrews (7), and washers (4) from hatch hinge pin (5) and hatch panel (1). Discard locknuts (3).
2. Remove hatch hinge pin (5) and two spacers (2) from hinge pivot bracket (6) and hatch panel (1).

b. Installation

1. Install hatch hinge pin (5) on hatch panel (1) and slide into hinge pivot bracket (6). Slide two spacers (2) between hatch panel (1) and hinge pin (5) on top side of hatch panel (1).
2. Secure hatch hinge pin (5) to hatch panel (1) with two washers (4), capscrews (7), washers (4), and locknuts (3). Tighten locknuts (3) to 6 lb-ft (8 N•m).



11-49.4. WEAPON STATION HATCH HINGE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

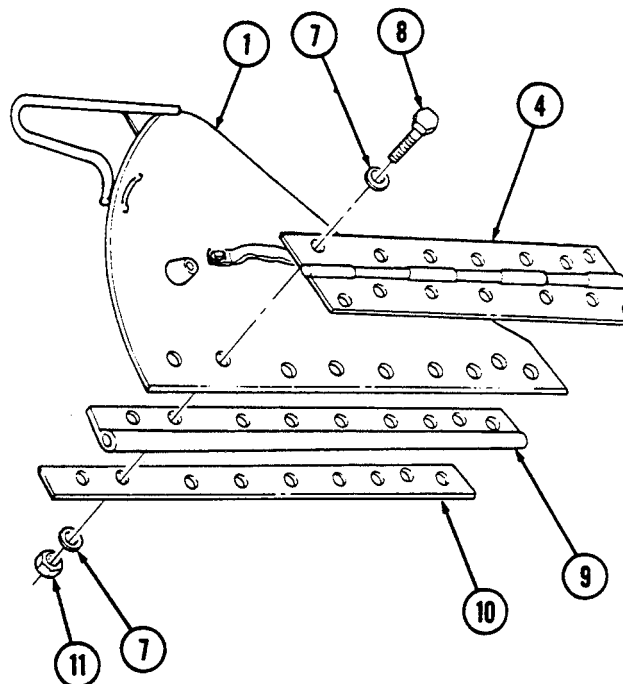
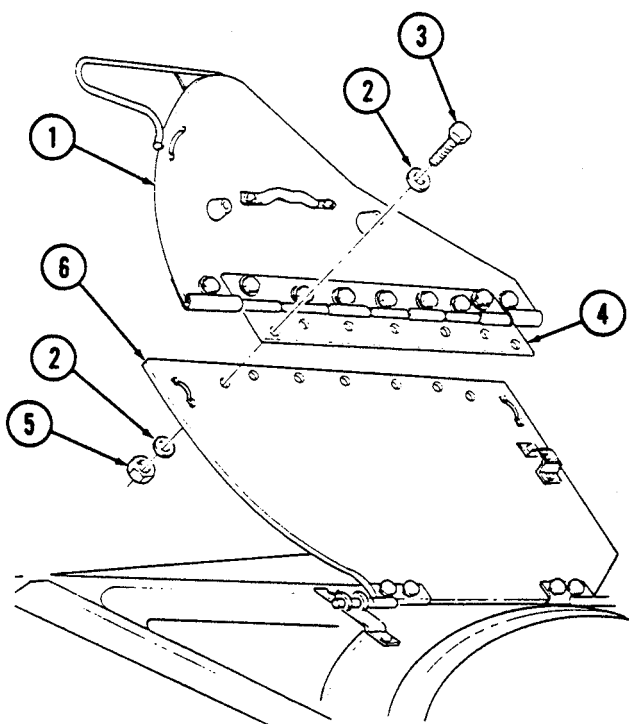
Sixteen locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-24P

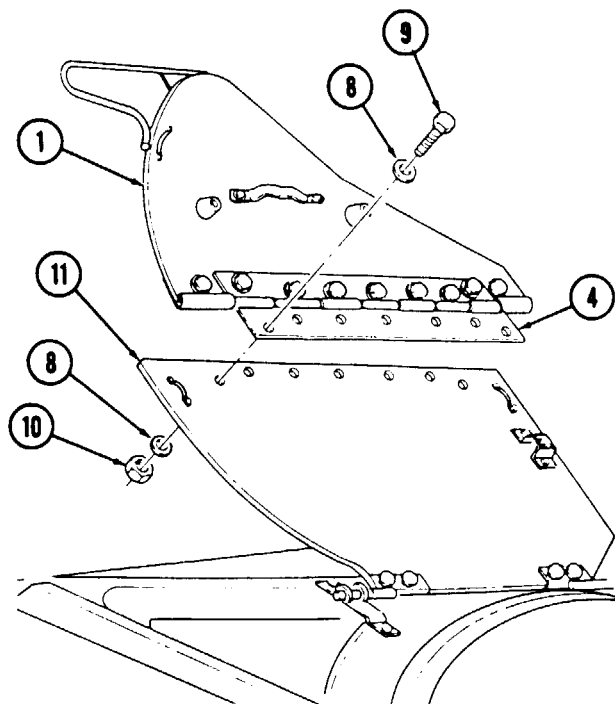
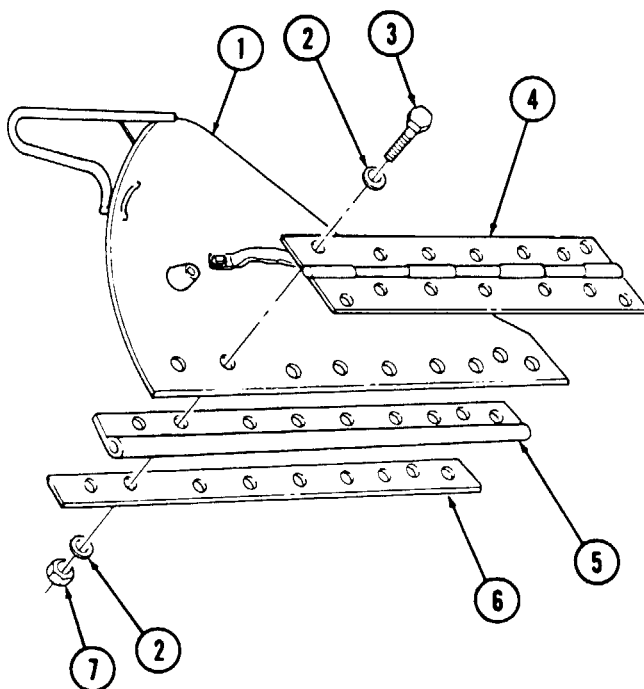
a. Removal

1. Remove seven locknuts (5), washers (2), capscrews (3), washers (2), right hatch panel (1), and hinge (4) from left hatch panel (6). Discard locknuts (5).
2. Remove nine locknuts (11), washers (7), capscrews (8), washers (7), retainer (10), seal (9), and hinge (4) from right hatch panel (1). Discard locknuts (11).
3. Inspect seal (9) for damage. Replace if damaged.



11-49.4. WEAPON STATION HATCH HINGE REPLACEMENT (Cont'd)**b. Installation**

1. Install hinge (4), seal (5), and retainer (6) on right hatch panel (1) with nine washers (2), capscrews (3), washers (2), and locknuts (7). Tighten locknuts (7) to 6 lb-ft (8 N·m).
2. Install hinge (4) and right hatch panel (1) on left hatch panel (11) with seven washers (8), capscrews (9), washers (8), and locknuts (10). Tighten locknuts (10) to 6 lb-ft (8 N·m).



11-49.5. WEAPON STATION HATCH HOLDDOWN STRIKER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)
Two locknuts (Appendix G, Item 76)

Manual References

TM 9-2320-387-24P

a. Removal

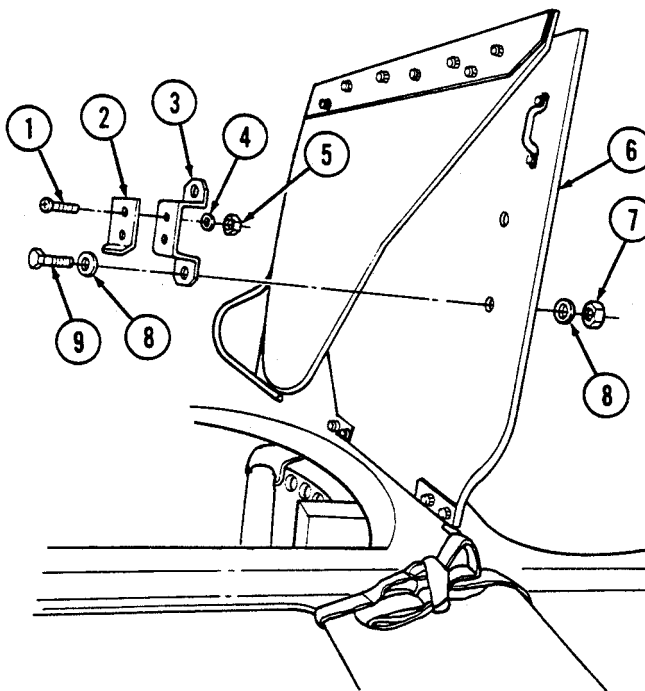
NOTE

This task covers the left hatch panel holddown striker. The right hatch panel holddown striker is mounted directly on the panel.

1. Remove two locknuts (5), washers (4), screws (1), and holddown striker (2) from bracket (3). Discard locknuts (5).
2. Remove two locknuts (7), washers (8), capscrews (9), washers (8), and bracket (3) from left hatch panel (6). Discard locknuts (7).

b. Installation

1. Install striker (2) on bracket (3) with two screws (1), washers (4), and locknuts (5).
2. Install bracket (3) on left hatch panel (6) with two washers (8), capscrews (9), washers (8), and locknuts (7). Tighten locknuts (7) to 6 lb-ft (8 N•m).



11-49.6. WEAPON STATION TRAY SEAL REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 4)

Manual References

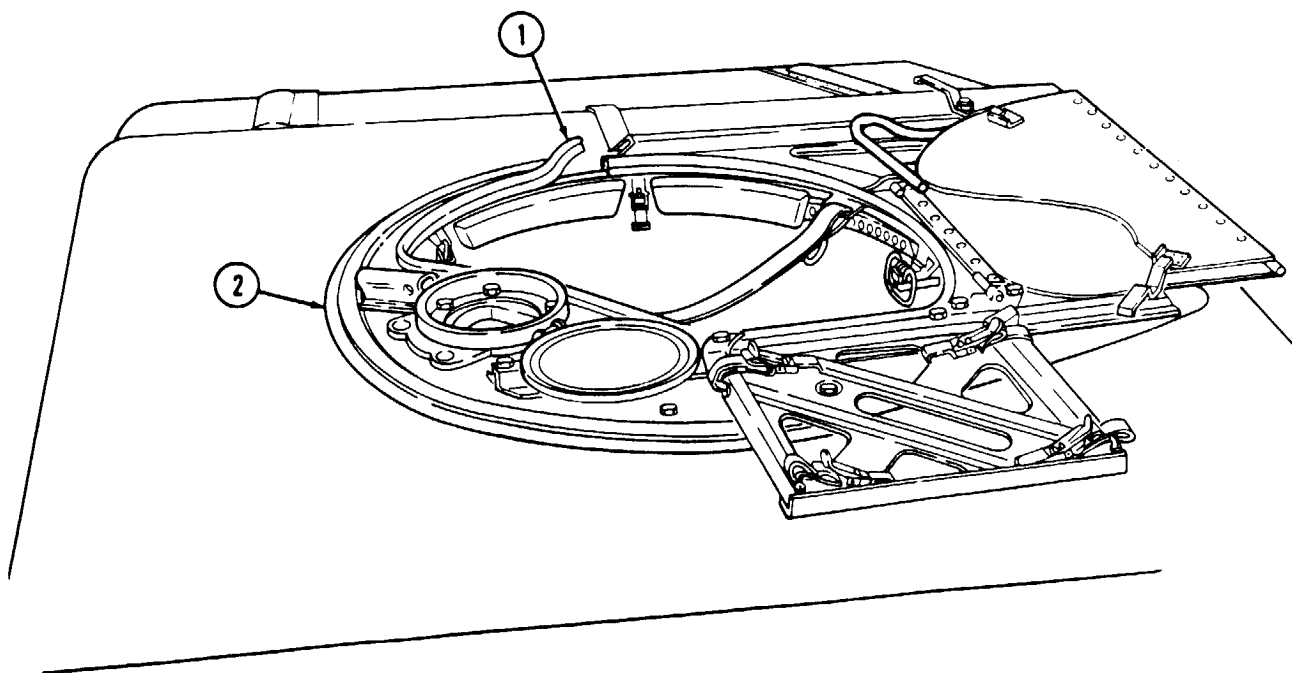
TM 9-2320-387-24P

a. Removal

1. Remove seal (1) from weapon station (2).
2. Thoroughly clean the edge of weapon station (2).

b. Installation

1. Measure and cut required length of seal (1).
2. Apply a 1/16-in. (1.6 mm) to 1/8-in. (3.2 mm) bead of adhesive to seal (1) lip.
3. Starting somewhere other than at a corner, press seal over the lip of the weapon station (2) tray hatch opening.
4. Allow seal (1) to set and cure undisturbed, for about one hour.



11-49.7. WEAPON STATION BUMPER PAD REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:**Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Locknut (Appendix G, Item 76)

Manual References

TM 9-2320-387-24P

NOTE

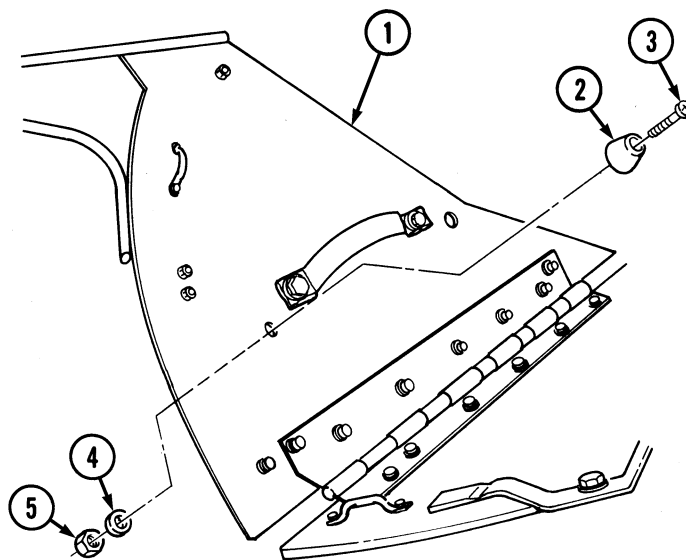
Bumper pads for both sides of hatch are installed basically the same. This procedure covers the right side.

a. Removal

Remove locknut (5), washer (4), screw (3), and bumper pad (2) from hatch (1). Discard locknut (5).

b. Installation

Install bumper pad (2) on hatch (1) with screw (3), washer (4), and locknut (5).



11-49.8. WEAPON STATION TRAY LEVER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four spring tension washers
(Appendix G, Item 330.2)
Sealing compound (Appendix C, Item 59)

Manual References

TM 9-2320-387-24P

a. Removal

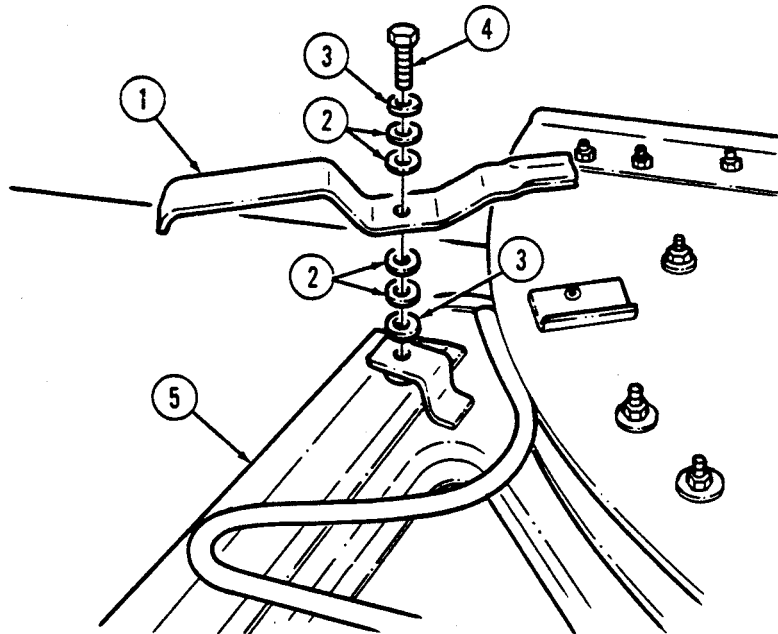
Remove capscrew (4), washer (3), two spring tension washers (2), tray lever (1), two spring tension washers (2), and washer (3) from weapon station (5). Discard spring tension washers (2).

b. Installation

NOTE

Apply sealing compound to threads on capscrew.

Install washer (3), two spring tension washers (2), and tray lever (1) on weapon station (5) with two spring tension washers (2), washer (3), and capscrew (4). Tighten capscrew (4) to 6 lb-ft (8 N•m).



11-49.9. WEAPON STATION HATCH LATCH REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

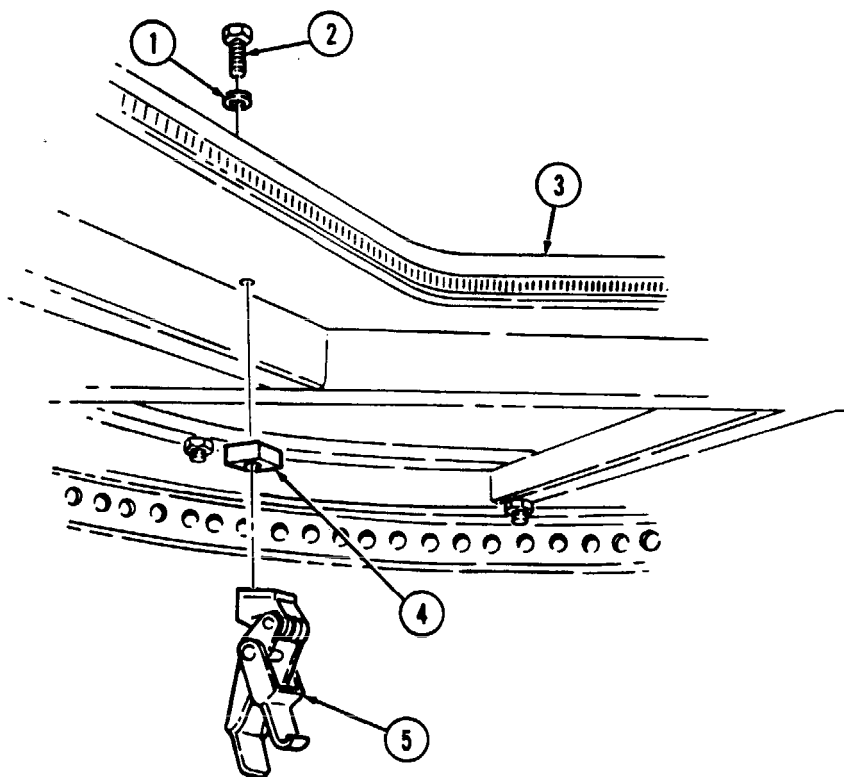
- Procedures for replacing the three hatch latches are basically the same, except the hatch latch opposite the backrest side of weapon station has a spacer. This procedure covers the hatch latch with spacer.
- To increase latch tension, 3/8-in. (9.5 mm) flat washers may be added between bottom of weapon station and any of the three hatch latches.

a. Removal

Remove capscrew (2), washer (1), hatch latch (5), and spacer (4) from weapon station (3).

b. Installation

Install spacer (4) and hatch latch (5) on weapon station (3) with washer (1) and capscrew (2). Tighten capscrew (2) to 37 lb-ft (50 N•m).



11-49-10. WEAPON STATION HATCH TUBE ASSEMBLY REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:**Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Ten locknuts (Appendix G, Item 106)

Manual References

TM 9-2320-387-24P

a. Removal**NOTE**

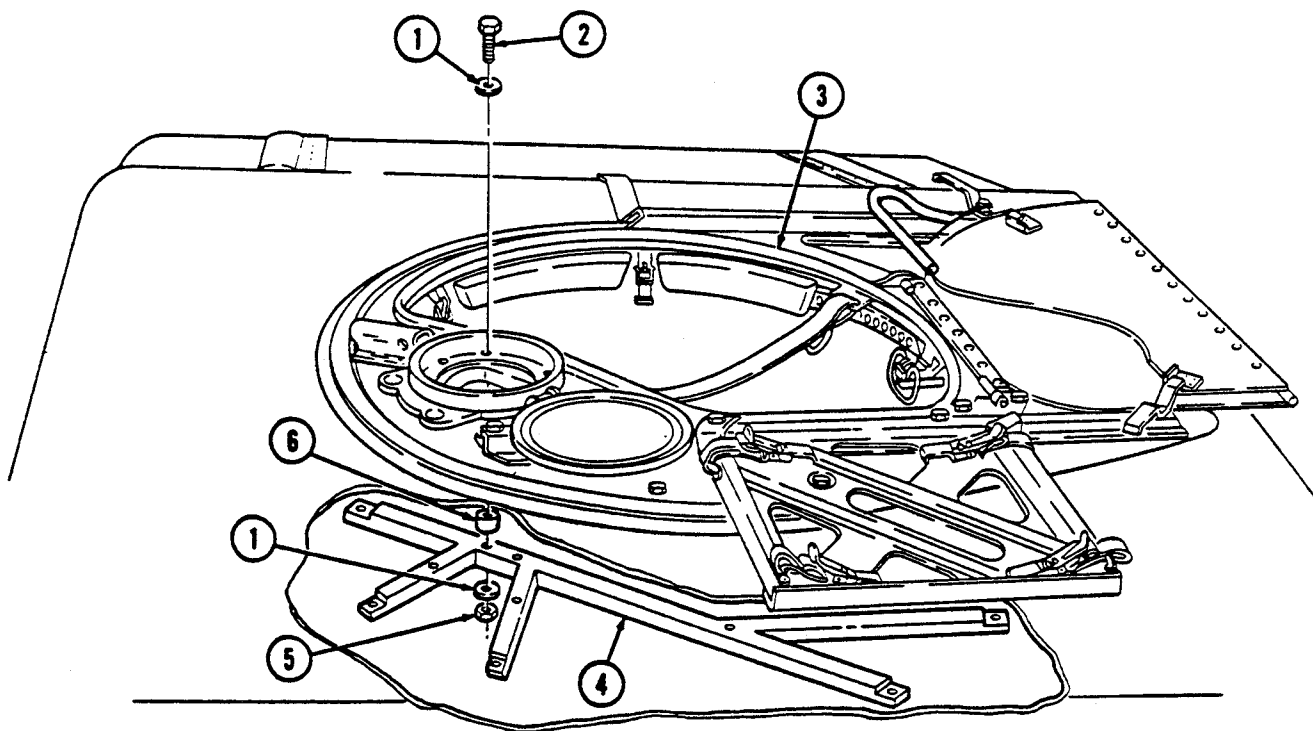
- Note locations of capscrews for installation.
- Later production vehicles are equipped with spacers.

Remove ten locknuts (5), washers (1), capscrews (2), washers (1), hatch tube (4), and five spacers (6), if installed, from weapon station (3). Discard locknuts (5).

b. Installation**NOTE**

TOW mount pedestal and TOW MGS pan/armament cover and armament mount panel must be in place prior to installing weapon station hatch tube assembly.

Install five spacers (6), if removed, and hatch tube (4) on weapon station (3) with ten washers (1), capscrews (2), washers (1), and locknuts (5). Tighten locknuts (5) to 37 lb-ft (50 N•m).



11-49.11. WEAPON STATION BACKREST PAD REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Three locknuts (Appendix G, Item 106)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

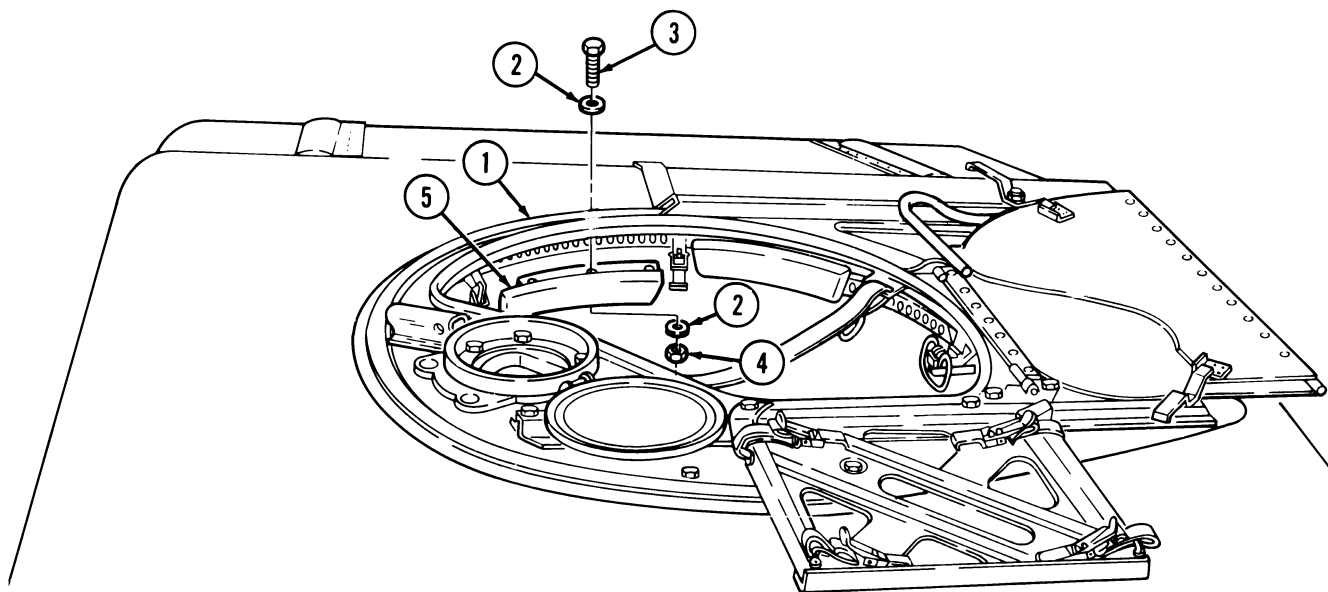
The procedure for removing and installing left and right backrest pads is the same. This procedure covers right backrest pad.

a. Removal

Remove three locknuts (4), washers (2), capscrews (3), washers (2), and backrest pad (5) from weapon station (1). Discard locknuts (4).

b. Installation

Install backrest pad (5) on weapon station (1) with three washers (2), capscrews (3), washers (2), and locknuts (4). Tighten locknuts (4) to 37 lb-ft (50 N·m).



11-49.12. WEAPON STATION TRAY AND BRUSH MAINTENANCE

This task covers:

- a. Removal
- b. Installation
- c. Adjustment

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 4)
Three locknuts (Appendix G, Item 106)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

- Weapon station hatch removed (para. 11-49.1).
- Hinge pivot bracket and gunner's sling removed (para. 11-56.2).
- Gunner's sling hook removed (para. 11-56.1).
- Weapon station backrest pads removed (para. 11-49.11).
- Weapon station hatch latch removed (para. 11-49.9).
- Weapon station hatch tube removed (para. 11-49.10).
- Turret lock removed (para. 11-59.3).
- Armament cover and seal removed (para. 11-59.5).
- Armament mount panel removed (para. 11-59.4).

NOTE

Note location of attaching hardware for installation.

a. Removal

1. Remove three locknuts (7), washers (3), capscrews (2), washers (3), and weapon station tray (1) from bearing (5). Discard locknuts (7).
2. Remove eighteen capscrews (10), washers (11), and three turret lockring sections (9) from support assembly (8).

NOTE

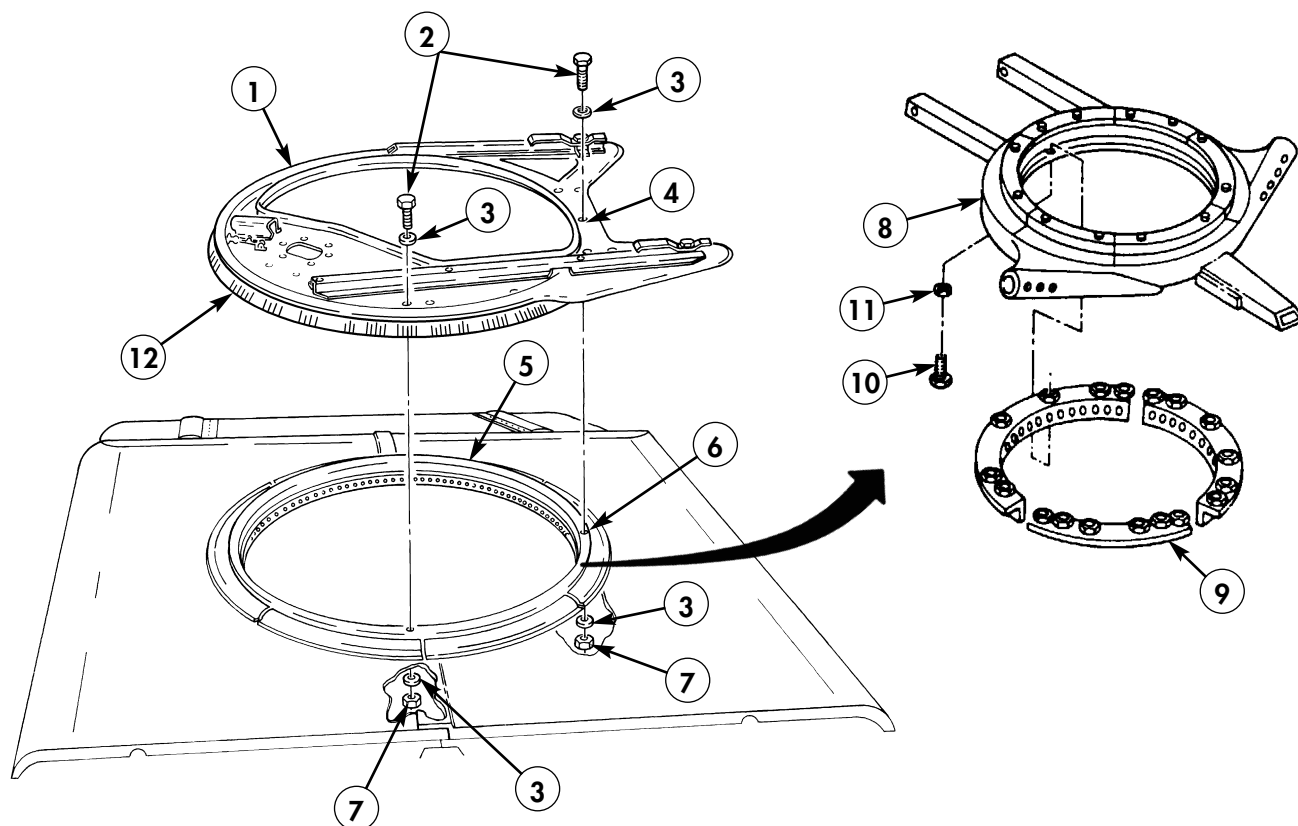
Perform step 3 only if brush is installed.

3. Remove brush (12) from tray (1). Clean out any sealant in brush mounting location.

11-49.12. WEAPON STATION TRAY AND BRUSH MAINTENANCE (Cont'd)

b. Installation

1. Apply adhesive to brush groove and install brush (12) on tray (1).
2. Install three turret lockring sections (9) on support assembly (8) with eighteen washers (11) and capscrews (10). Tighten capscrews (10) to 37 lb-ft (50 N•m).
3. Install weapon station tray (1) on bearing (5).
4. Ensure all mounting hardware capscrew holes (4) in weapon station tray (1) are aligned with mounting hardware capscrew holes (6) in bearing (5).
5. Install weapon station tray (1) on bearing (5) with three washers (3), capscrews (2), washers (3), and locknuts (7). Tighten locknuts (7) to 37 lb-ft (50 N•m).



11-49.12. WEAPON STATION TRAY AND BRUSH MAINTENANCE (Cont'd)**c. Adjustment****NOTE**

- Do not adjust weapon station tray if loose or damaged.
 - Weapon station tray needs adjustment if it binds, sticks, or does not rotate freely.
1. Loosen capscrew (6) securing support ring (1) to C-pillar support bracket (7).
 2. Check the gap between C-pillar support bracket (7) and support ring (1).

NOTE

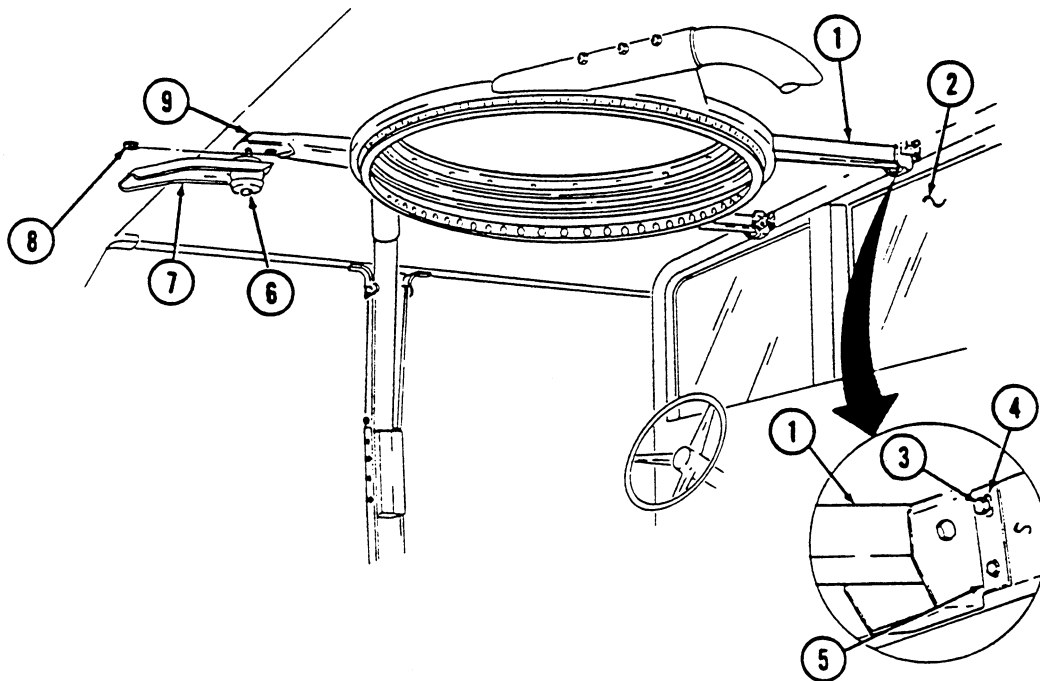
- If gap is the thickness of a slotted washer or greater, proceed to step 4.
 - If no gap exists, proceed to step 3.
3. Remove one slotted washer (8) at a time, as required, and rotate weapon station tray (9) to check for binding. If there is no improvement, proceed to step 5.
 4. Add one slotted washer (8) at a time, as required, and rotate weapon station tray (9) to check for binding. If there is no improvement, proceed to step 5.
 5. Loosen eight capscrews (3) securing two clevises (5) to windshield (2). Rotate weapon station tray (9) to check for binding.
 6. If weapon station tray (9) rotation has improved, position adjustment slots (4) in clevises (5) where weapon station tray (9) operated freely and tighten eight capscrews (3) and capscrew (6).

NOTE

If weapon station tray rotation has not improved after adjustment procedures, remove turret bearing assembly.

7. Install primary weapon system and check operation of weapon station tray (10). Refer to TM 9-2320-387-10.

11-49.12. WEAPON STATION TRAY AND BRUSH MAINTENANCE (Cont'd)



- FOLLOW-ON TASKS:
- Install weapon station hatch tube (para. 11-49.10).
 - Install weapon station hatch latch (para. 11-49.9).
 - Install weapon station backrest pads (para. 11-49.11).
 - Install gunner's sling hook (para. 11-56.1).
 - Install hinge pivot bracket and gunner's sling (para. 11-56.2).
 - Install weapon station hatch (para. 11-49.1).
 - Install turret lock (para. 11-59.3).
 - Check weapon station for proper operation (TM 9-2320-387-10).
 - Install armament cover and seal (para. 11-59.5).
 - Install armament mount panel (para. 11-59.4).

11-55.3. TURRET CLEANING

This task covers:

a. Modification

b. Cleaning

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Hose (Appendix D, Fig. D-4)
Fixture (Appendix D, Fig. D-2)
Bushing (Appendix D, Fig. D-3)

Manual References

TM 9-2320-387-24P

NOTE

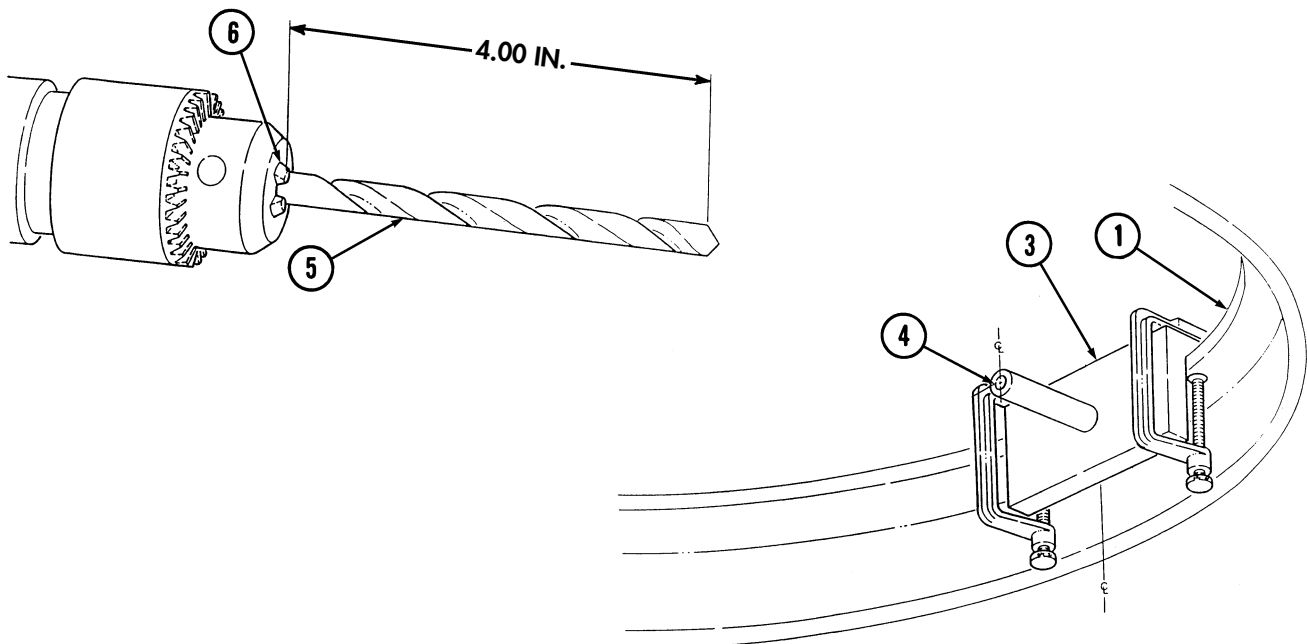
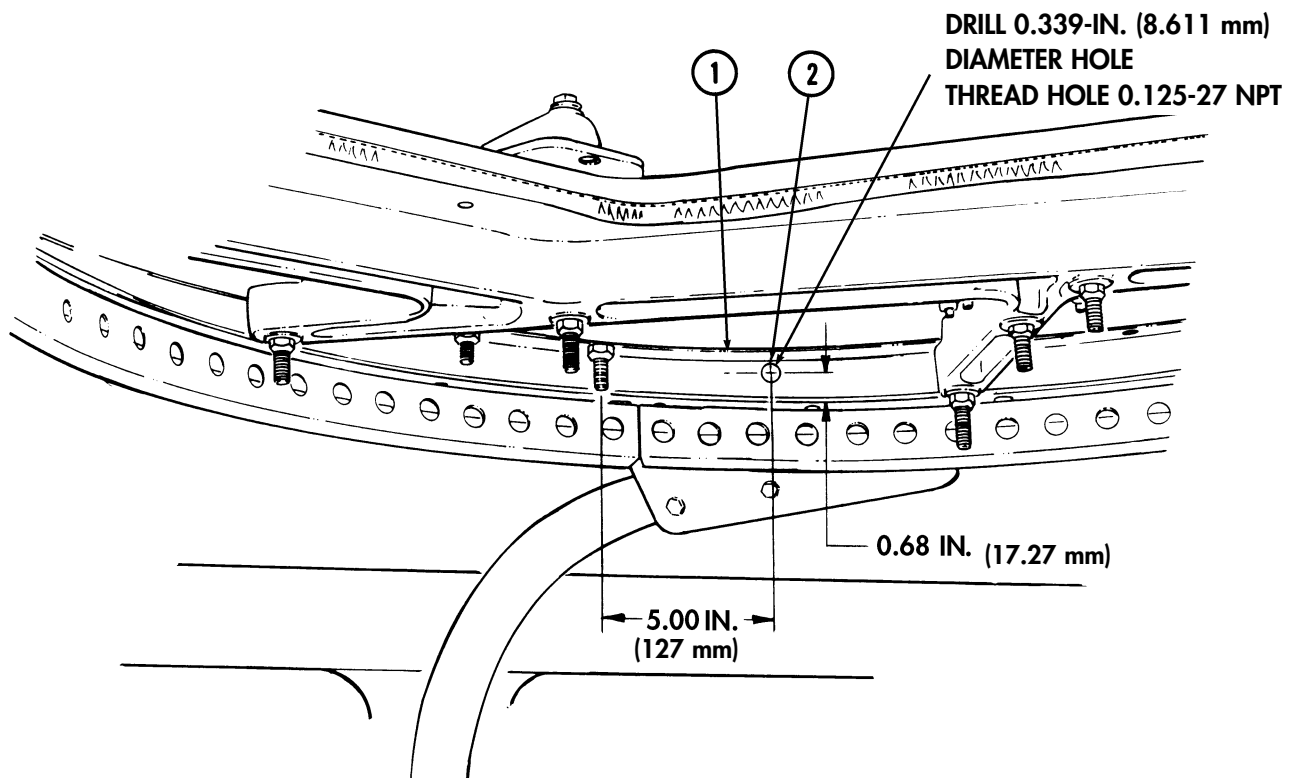
If not previously accomplished, perform task a. to allow use of hose to clean turret.

a. Modification

NOTE

The following optional procedure will aid in turret cleaning. Have your commander's concurrence before performing any modification to the vehicle.

1. Locate and mark the position to drill hole (2) in inner bearing (1).
2. Remove weapon station tray and seal (para. 11-112).
3. Secure fixture (3) to inner bearing (1) with centerline of hole (4) aligned with mark on inner bearing (1).
4. Position 0.339-in. drill bit (5) (letter R drill bit) four inches from drill chuck jaws (6).

11-55.3. TURRET CLEANING (Cont'd)

11-55.3. TURRET CLEANING (Cont'd)

5. Using fixture (2), drill 0.339-in. (8.611mm) diameter hole (3) in inner bearing (1).
6. Remove fixture (2) from inner bearing (1).

CAUTION

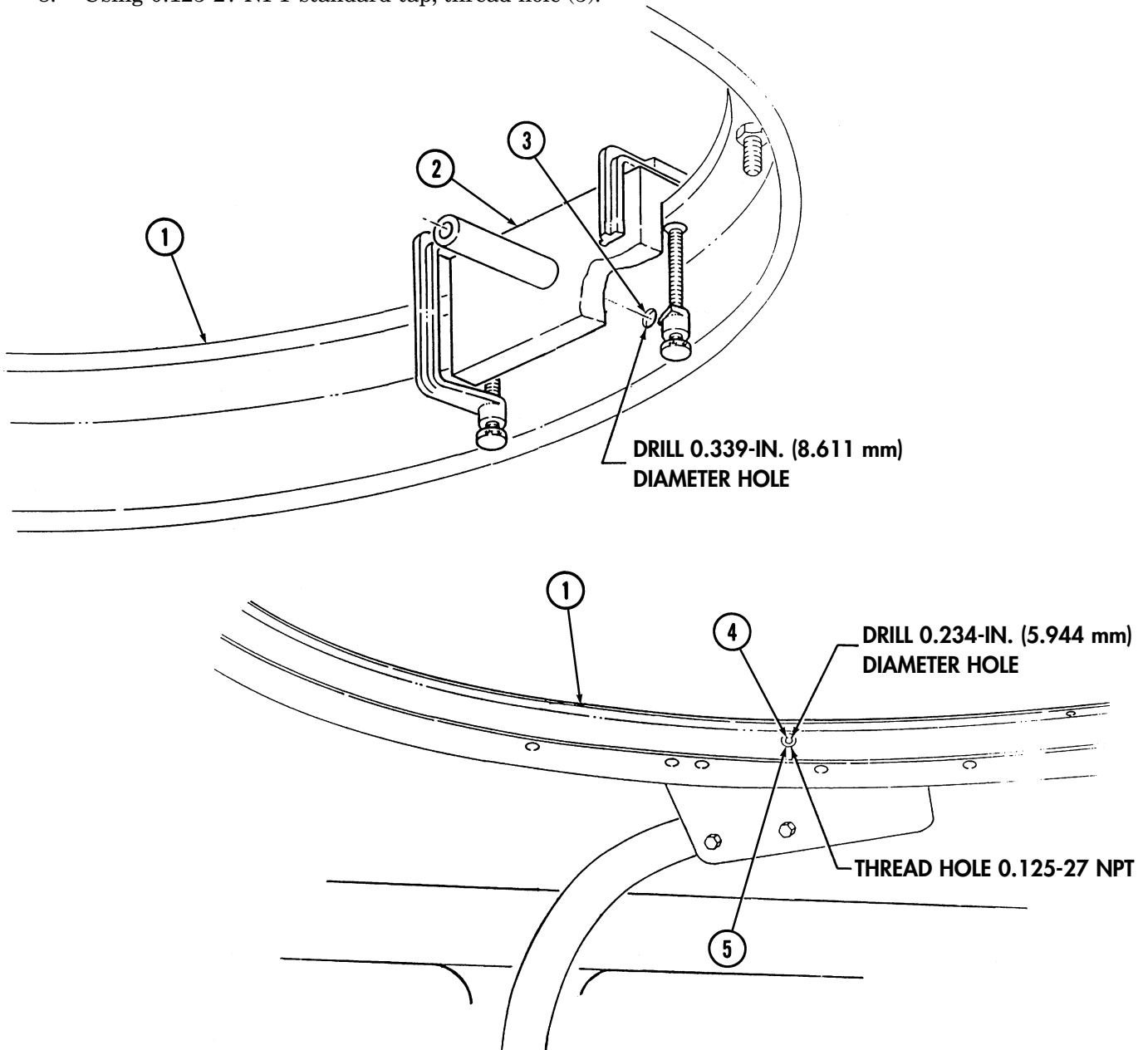
Ensure bearings are spread apart where drill bit will come through inner bearing, or drill bit may damage bearing

7. Using hole drilled in step 5, drill 0.234-in. (5.944 mm) diameter hole (4) through inner bearing (1) only.

NOTE

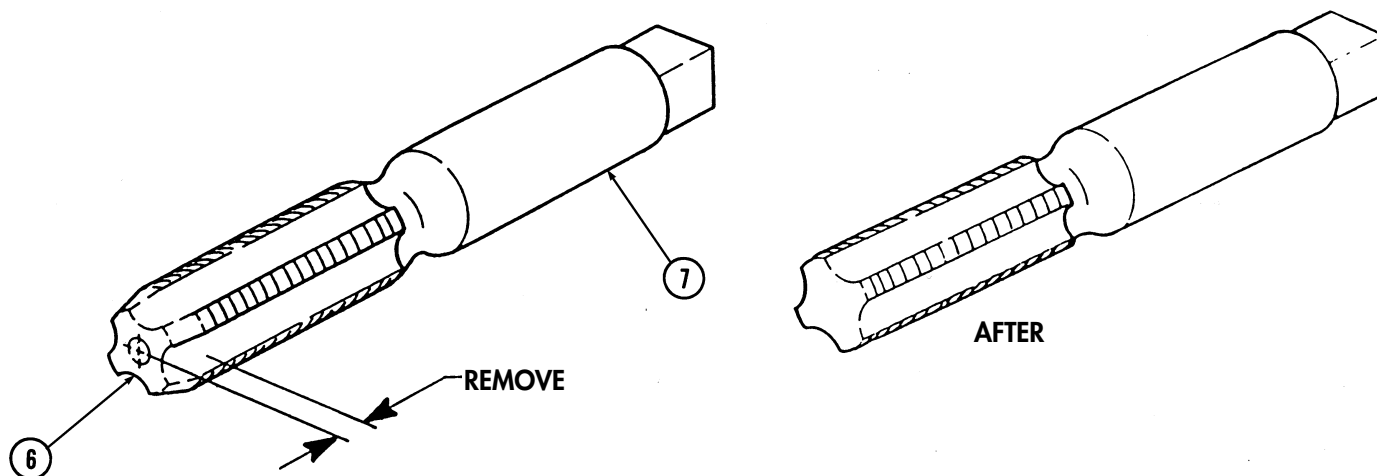
After threading inner bearing hole, clean metal shavings

8. Using 0.125-27 NPT standard tap, thread hole (5).



11-55.3. TURRET CLEANING (Cont'd)

9. Remove tapered end (6) on 0.125-27 NPT standard tap (7).
10. Using modified 0.125-27 NPT tap, finish threading hole (5).
11. Install weapon station tray and seal (para. 11-112).



11-55.3. TURRET CLEANING (Cont'd)

b. Cleaning

1. Install hose (4) in hole (2) on inner bearing (1).
2. Connect low-pressure water hose (5) to hose (4).
3. Turn water on and rotate weapon station tray (3) several full rotations.

NOTE

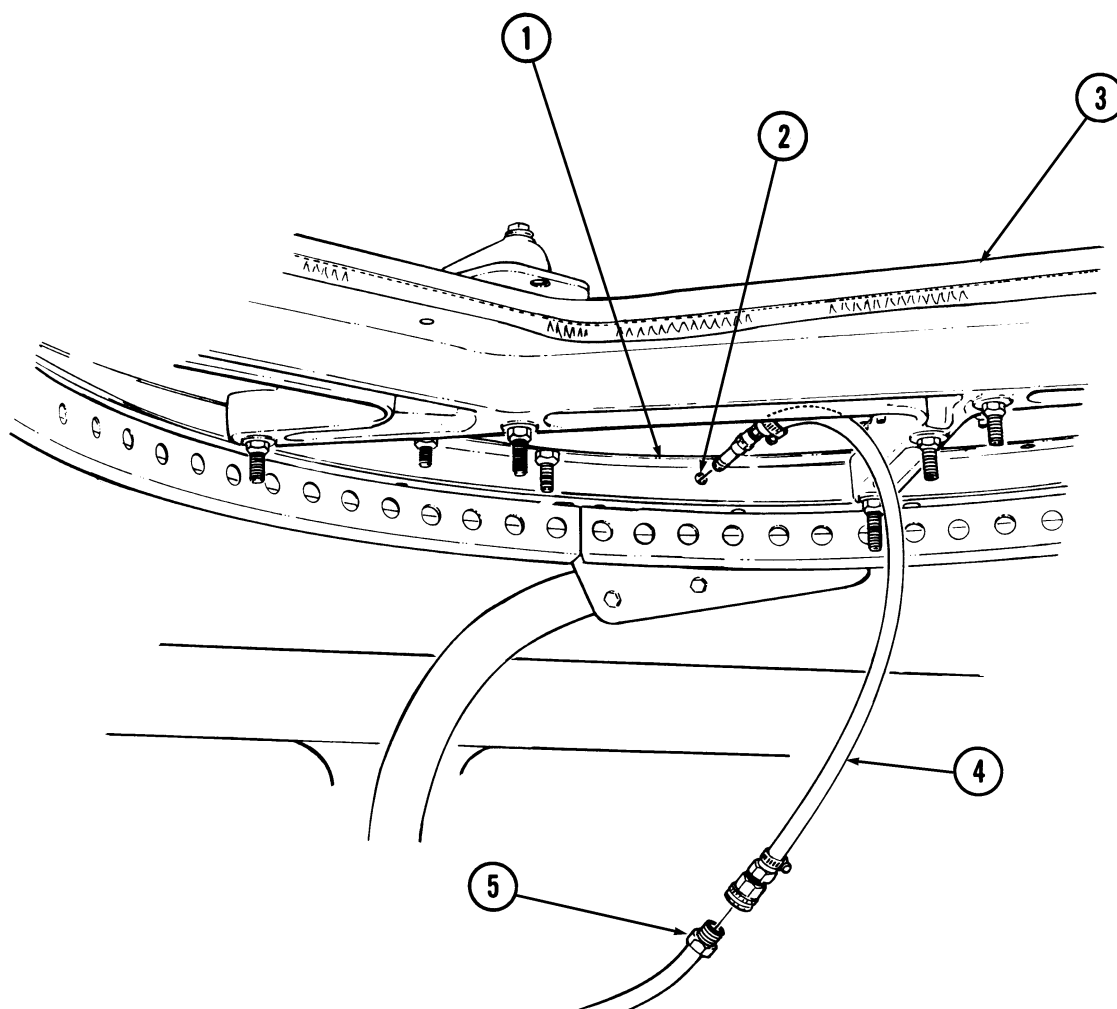
Allow water to force out any dirt or grit within turret bearing.

4. Turn water off when cleaning is completed.
5. Disconnect low-pressure water hose (5) from hose (4).

NOTE

Hose assembly may either be stowed in place on weapon station tray or removed.

6. Remove hose (4) from hole (2) on inner bearing (1).

11-55.3. TURRET CLEANING (Cont'd)

11-55.4. TURRET BEARING MAINTENANCE

This task covers:

a. Removal	c. Installation
b. Cleaning and Inspection	d. Adjustment

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Detergent (Appendix C, Item 17)
Twelve locknuts (Appendix G, Item 106)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

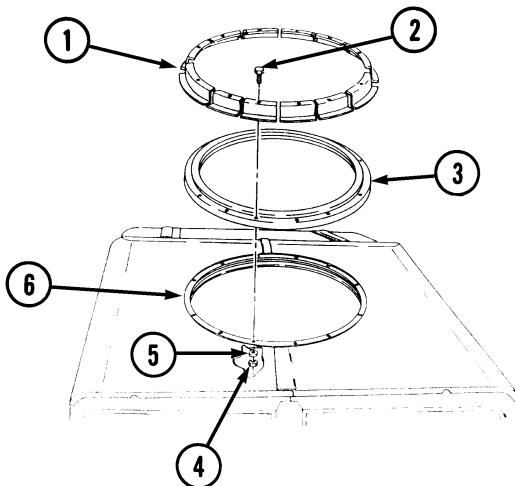
Weapon station tray removed (para. 11-49.12).

General Safety Instructions

Compressed air used for cleaning purposes will not exceed 30 psi (207 kPa). Use only with effective chip guarding and personal protective equipment (goggles/shield, gloves, etc.).

a. Removal

1. Remove twelve locknuts (4), washers (5), and capscrews (2) from roof retainers (1), bearing assembly (3), and support ring (6). Discard locknuts (4).
2. Remove twelve roof retainers (1) and bearing assembly (3) from support ring (6).



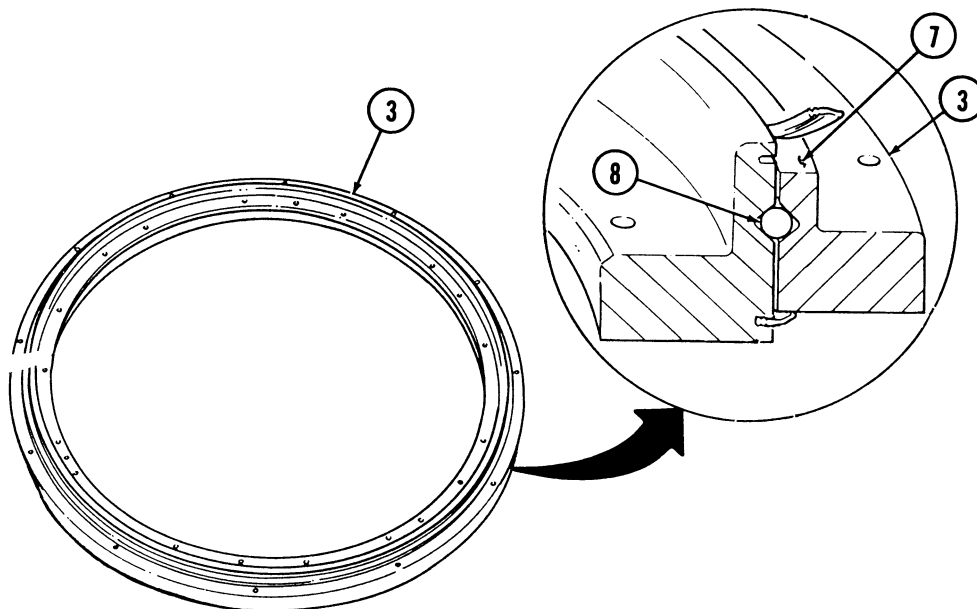
11-55.4. TURRET BEARING MAINTENANCE (Cont'd)**b. Cleaning and Inspection**

1. Using high pressure water or steam directed between races (7), clean ball bearings (8) in bearing assembly (3) with mild detergent.

WARNING

Compressed air used for cleaning purposes will not exceed 30 psi (207 kPa). Use only with effective chip guarding and personal protective equipment (goggles/shield, gloves, etc.).

2. Using compressed air, blow out moisture from ball bearings (8) in bearing assembly (3).
3. Place and rotate bearing assembly (3) on a flat surface, and ensure it rotates freely with a maximum of 6 lb pull on the outer race (7).
4. If bearing assembly (3) does not rotate freely, send bearing assembly (3) to direct support maintenance.



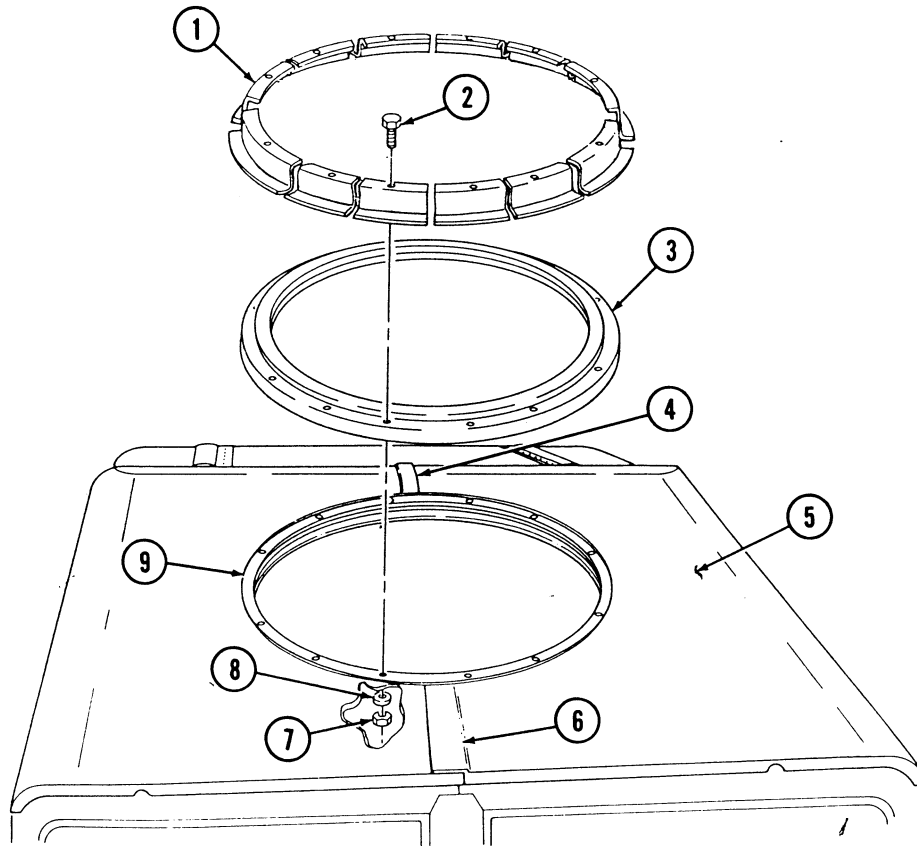
11-55.4. TURRET BEARING MAINTENANCE (Cont'd)**c. Installation**

1. Install bearing assembly (3) on support ring (9).

NOTE

Step 2 is to prevent roof leaks.

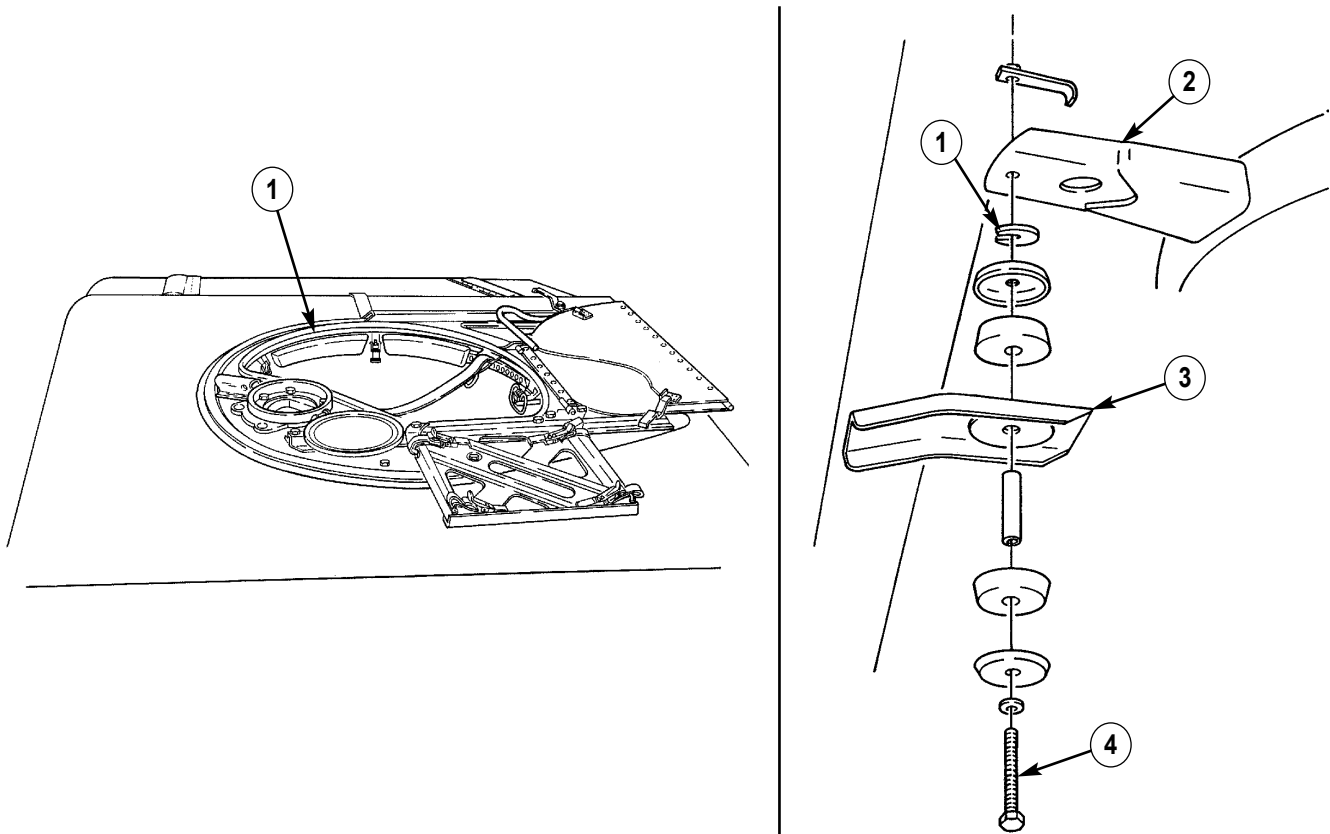
2. Using sealant, fill front and rear roof seams (6) and (4) (where left and right roof halves join together and overlap).
3. Secure bearing assembly (3) to support ring (9) with twelve roof retainers (1), capscrews (2), washers (8), and locknuts (7). Tighten locknuts (7) to 37 lb-ft (50 N·m).
4. Inside vehicle, apply sealant along area where support ring (9) and roof (5) meet.



11-55.4. TURRET BEARING MAINTENANCE (Cont'd)

d. Adjustment

1. Inspect, tighten, or replace any loose, missing, or damaged parts on weapon station turret (1) area.



2. If weapon station turret rotation has not improved, loosen bolt (4), securing rear of support ring (2) to C-pillar support bracket (3).
3. Check gap between C-pillar support bracket (3) and rear support ring (2).

NOTE

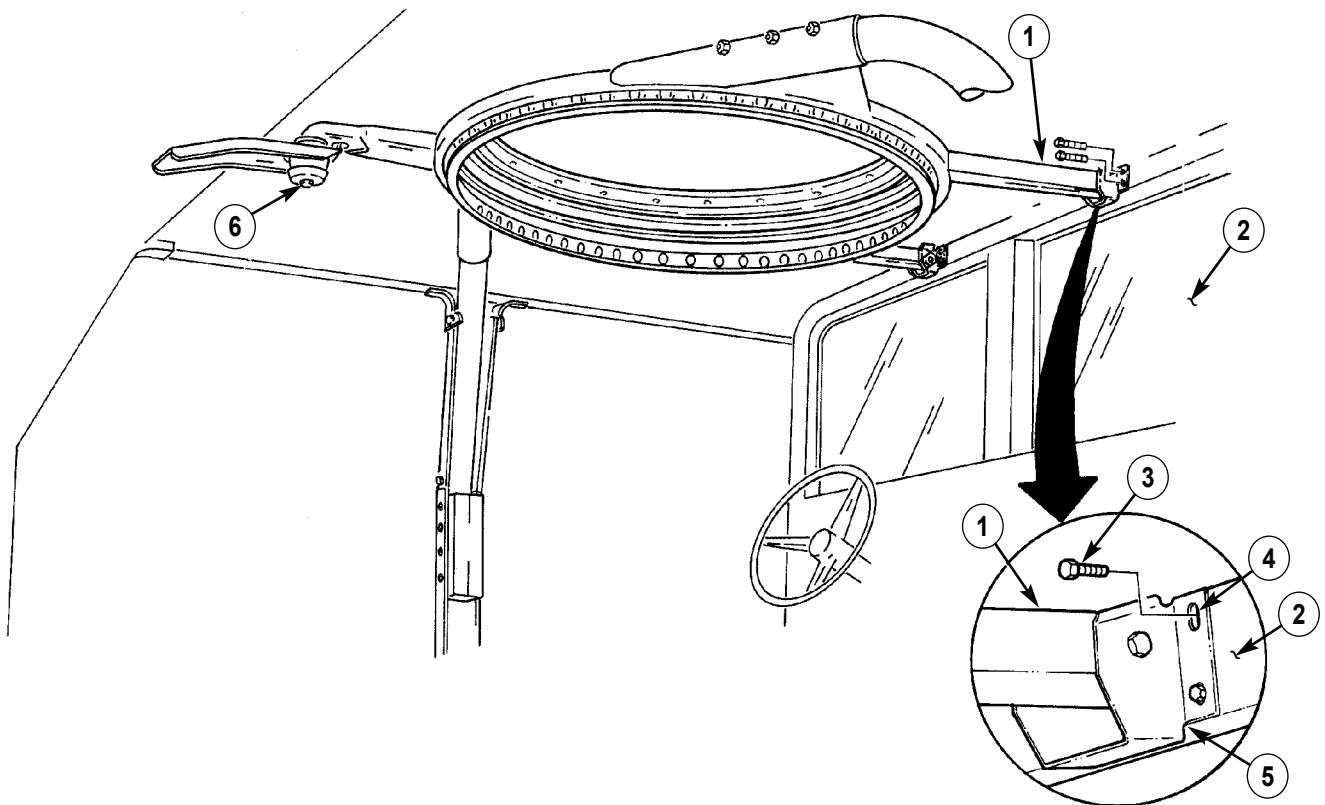
If no gap exists, proceed to step 4.

If gap is the thickness of a slotted washer or greater, proceed to step 5.

4. Remove slotted washers (1), one at a time, as required, and rotate turret to check for binding. If there is no improvement, proceed to step 6.
5. Add slotted washers (1), one at a time, as required, and rotate turret to check to see if it rotates freely. If there is no improvement, proceed to step 6.

11-55.4. TURRET BEARING MAINTENANCE (Cont'd)

6. Loosen eight clevis retaining bolts (3), securing front ring assembly supports (1) to windshield assembly (2). Rotate turret and check to see if it rotates freely.



7. If turret rotation has improved, position adjustment slots (4) in clevis (5) where turret operates freely, and tighten eight clevis retaining bolts (3) and rear support ring bolt (6).
8. Install weapon station tray and bearing seals (para. 11-49.12).
9. Install primary weapon system and check operation of weapon station turret (TM 9-2320-387-10).
10. If turret rotation has not improved as a result of adjustment, replace turret bearing assembly.

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11-56.1. GUNNER'S SLING HOOK REPLACEMENT (M1151)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Locknut (Appendix G, Item 106)

Manual References

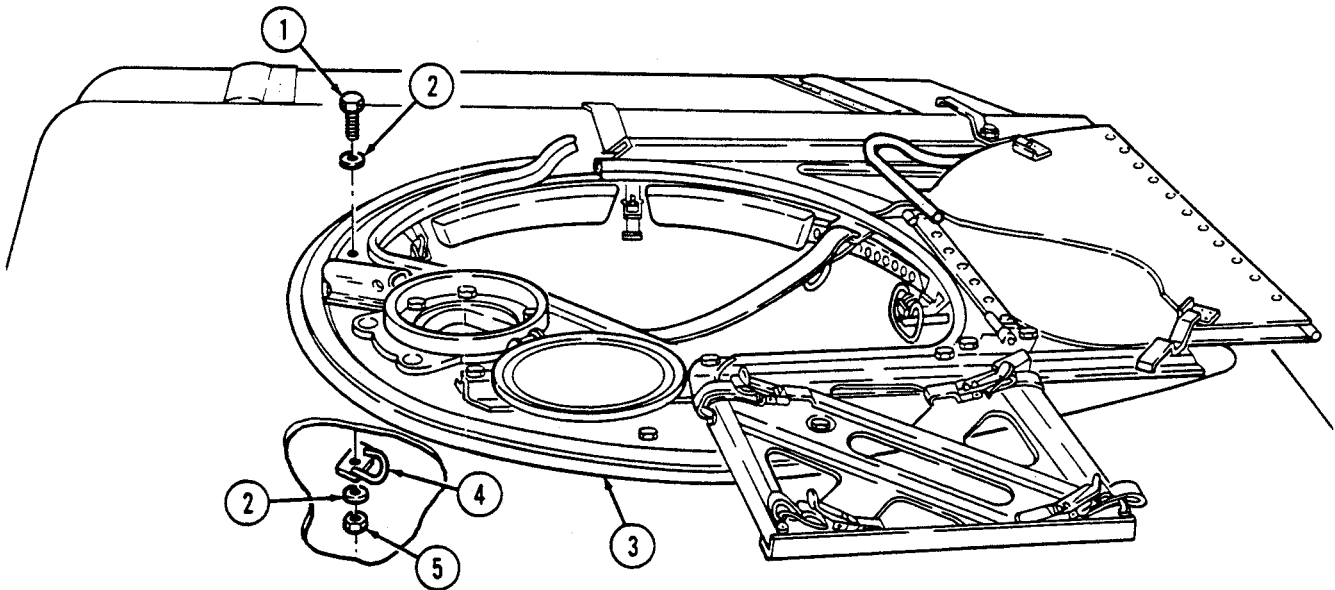
TM 9-2320-387-24P

a. Removal

Remove locknut (5), washer (2), capscrew (1), washer (2), and gunner's sling hook (4) from weapon station (3). Discard locknut (5).

b. Installation

Install gunner's sling hook (4) on weapon station (3) with washer (2), capscrew (1), washer (2), and locknut (5). Tighten locknut (5) to 37 lb-ft (50 N•m).



11-56.2. HINGE PIVOT BRACKET AND GUNNER'S SLING REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Locknut (Appendix G, Item 106)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

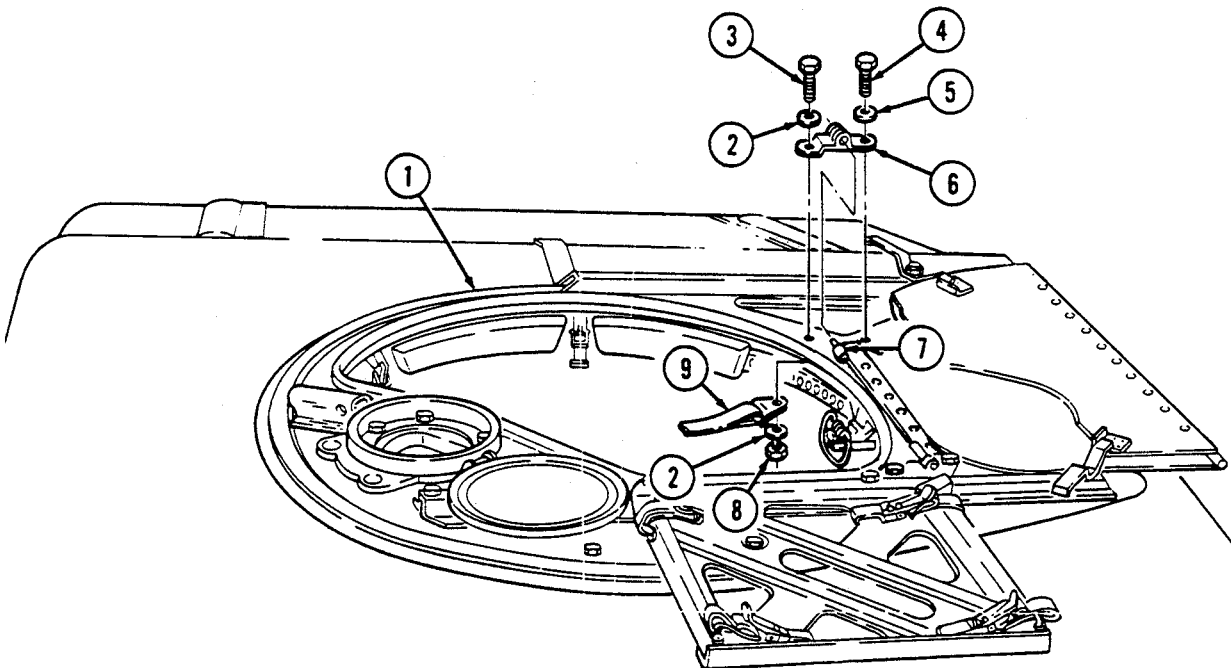
TM 9-2320-387-24P

a. Removal

1. Remove locknut (8), washer (2), capscrew (3), washer (2), gunner's sling (9), and hinge pivot bracket (6) from weapon station (1). Discard locknut (8).
2. Remove capscrew (4), washer (5), and hinge pivot bracket (6) from weapon station (1) and rear hinge pin (7).

b. Installation

1. Install hinge pivot bracket (6) on rear hinge pin (7).
2. Install hinge pivot bracket (6) on weapon station (1) with washer (5) and capscrew (4). Tighten capscrew (4) to 37 lb-ft (50 N·m).
3. Install hinge pivot bracket (6) and gunner's sling (9) on weapon station (1) with washer (2), capscrew (3), washer (2), and locknut (8). Tighten locknut (8) to 37 lb-ft (50 N·m).



11-59.2. TURRET HANDLE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 87)

Manual References

TM 9-2320-387-24P

NOTE

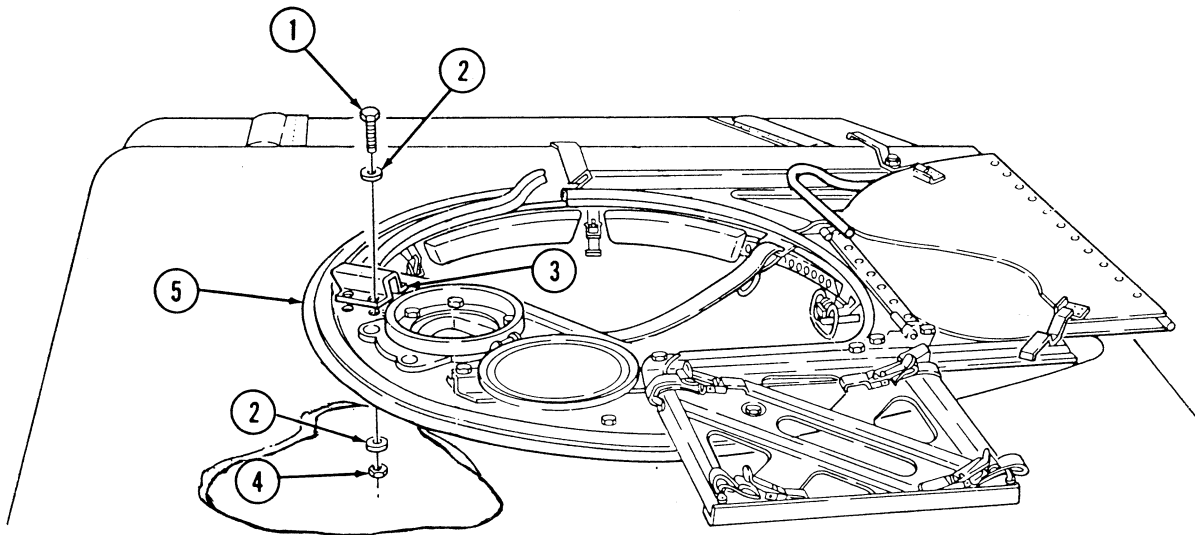
- Fabrication instructions are available to replace the turret handle. Refer to appendix D (fig. D-115).
- The following procedure is for replacement of turret handle that has been previously removed and installed in accordance with the fabrication instructions.

a. Removal

Remove four locknuts (4), washers (2), capscrews (1), washers (2), and turret handle (3) from weapon station tray (5). Discard locknuts (4).

b. Installation

Install turret handle (3) on weapon station tray (5) with four washers (2), capscrews (1), washers (2), and locknuts (4).



11-59.3. TURRET LOCK REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Two locknuts (Appendix G, Item 106)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

a. Removal

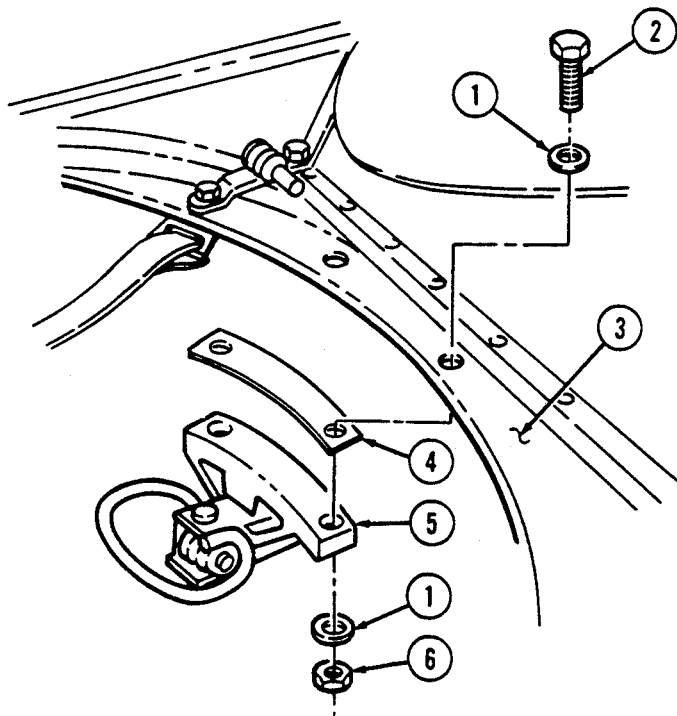
Remove two locknuts (6), washers (1), capscrews (2), washers (1), turret lock (5), and spacer(s) (4) from weapon station (3). Discard locknuts (6).

b. Installation

NOTE

Install same amount of spacers that were removed between bottom of weapon station and turret lock. Amount of spacers may be adjusted to correct lock handle binding. Refer to TM 9-2320-387-24P if more spacers are needed.

Install spacer(s) (4) and turret lock (5) on weapon station (3) with two washers (1), capscrews (2), washers (1), and locknuts (6). Tighten locknuts (6) to 37 lb-ft (50 N·m).



11-59.4. ARMAMENT MOUNTING ASSEMBLY REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:**Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six locknuts (Appendix G, Item 106)

Manual References

TM 9-2320-387-24P

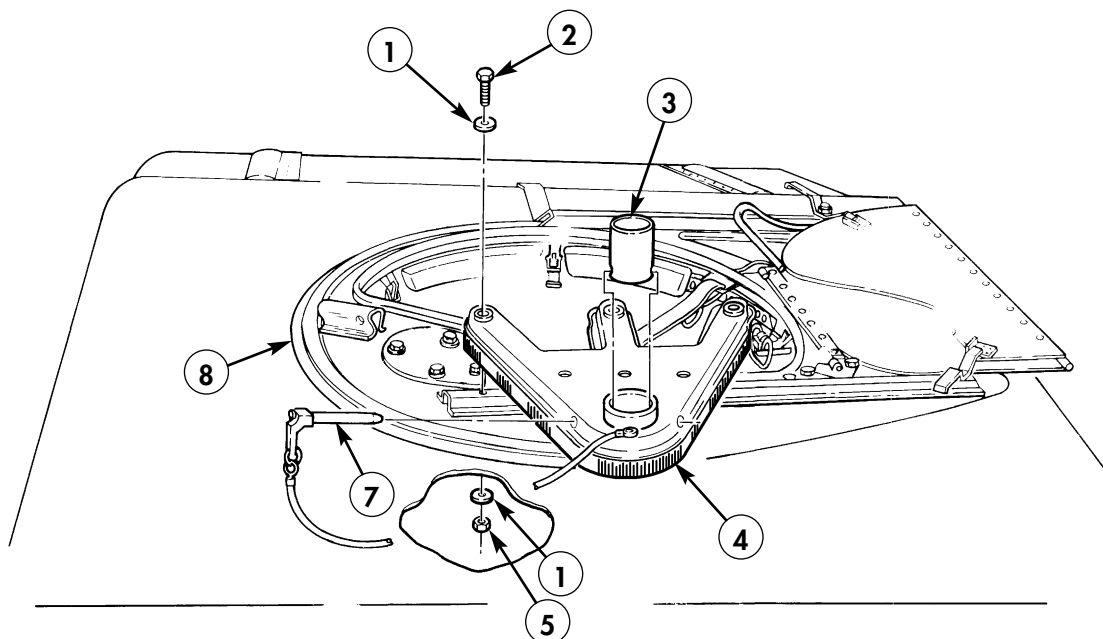
a. Removal**NOTE**

Note locations of capscrews for installation.

1. Remove pin (7) and adapter (3) from armament mounting assembly (4).
2. Remove six locknuts (5), washers (1), capscrews (2), washers (1), armament mounting assembly (4), and spacers (6), if installed, from weapon station (8). Discard locknuts (5).

b. Installation

1. Install six spacers (6), if removed, and armament mounting assembly (4) on weapon station (8) with six washers (1), capscrews (2), washers (1), and locknuts (5). Tighten locknuts (5) to 37 lb-ft (50 N•m).
2. Install adapter (3) on armament mounting assembly (4) with pin (7).



11-59.5. ARMAMENT COVER AND SEAL REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Three locknuts (Appendix G, Item 106)
Locknut (Appendix G, Item 77)

Manual References

TM 9-2320-387-24P

a. Removal

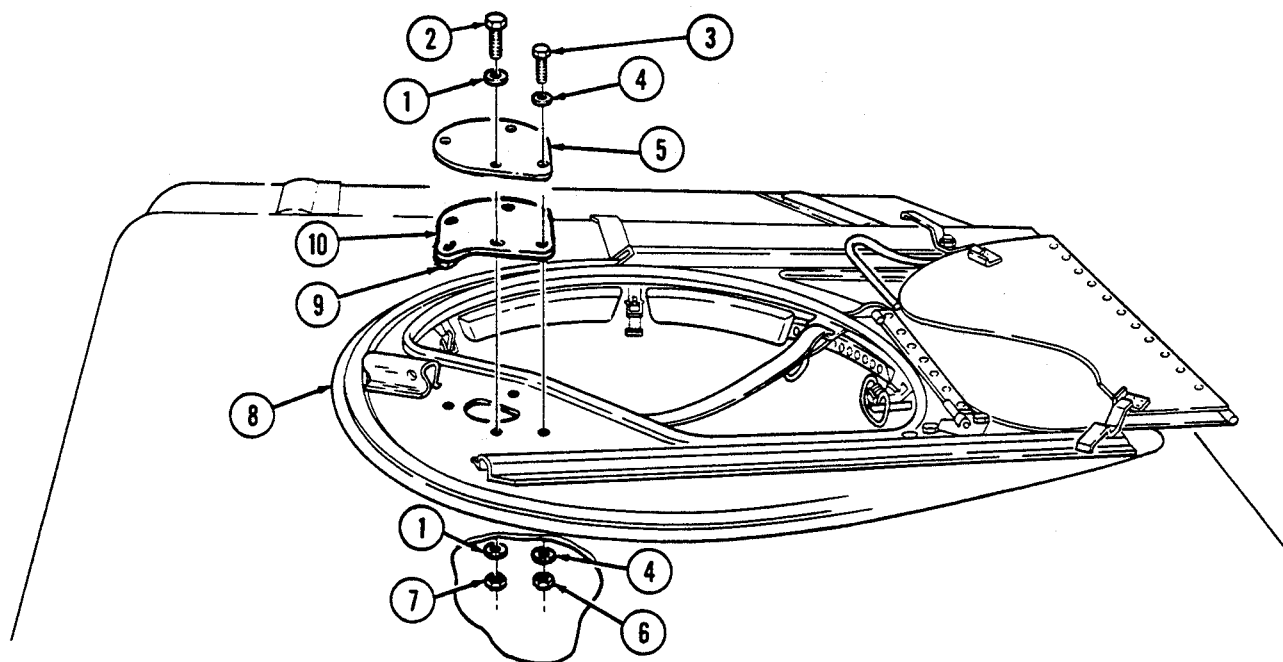
NOTE

Note locations of capscrews for installation.

1. Remove locknut (6), washer (4), capscrew (3), and washer (4) from armament cover (5) and weapon station (8). Discard locknut (6).
2. Remove three locknuts (7), washers (1), capscrews (2), washers (1), and armament cover (5) from weapon station (8). Discard locknuts (7).
3. Remove seal (10) from armament cover (5). Clean armament cover (5) to remove adhesive.

b. Installation

1. Peel paper backing (9) from seal (10) and apply seal (10) to armament cover (5).
2. Install armament cover (5) on weapon station (8) with three washers (1), capscrews (2), washers (1), and locknuts (7).
3. Secure armament cover (5) to weapon station (8) with washer (4), capscrew (3), washer (4), and locknut (6).
4. Tighten locknut (6) to 65 lb-in. (7 N·m). Tighten locknuts (7) to 12 lb-ft (16 N·m).



11-60.1. NIGHT SIGHT RETAINER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

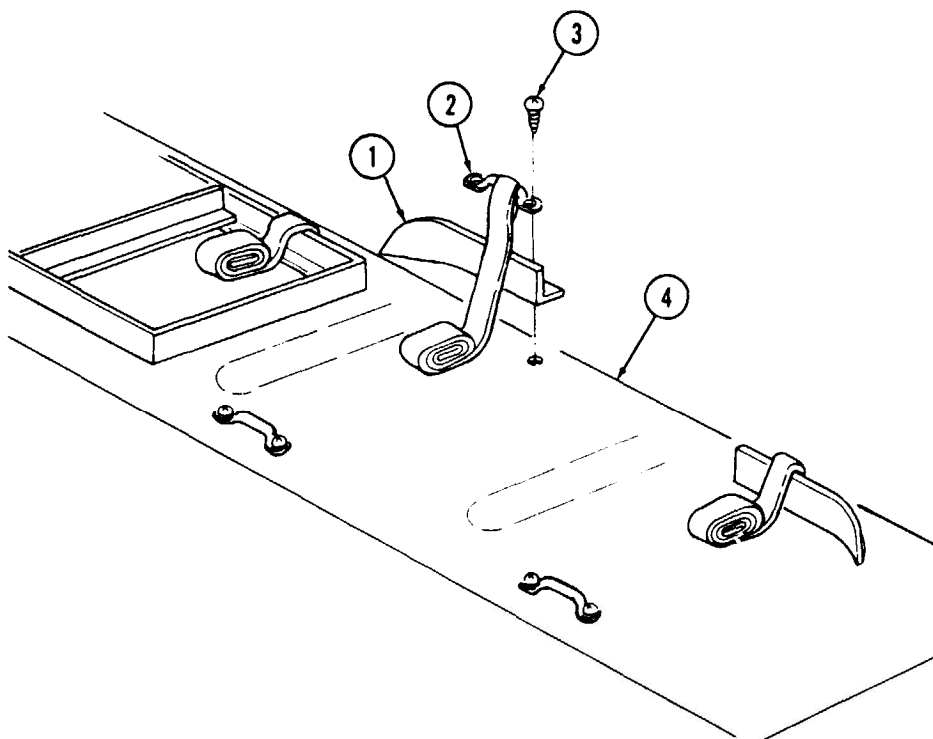
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

Remove two screws (3), footman loop (2), and retainer (1) from wheelhouse (4).

b. Installation

Install retainer (1) and footman loop (2) on wheelhouse (4) with two screws (3).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

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11-66.1. RIFLE SUPPORT REPLACEMENT (M1151)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Three locknuts (Appendix G, Item 82)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Personnel Required

One mechanic
One assistant

Manual References

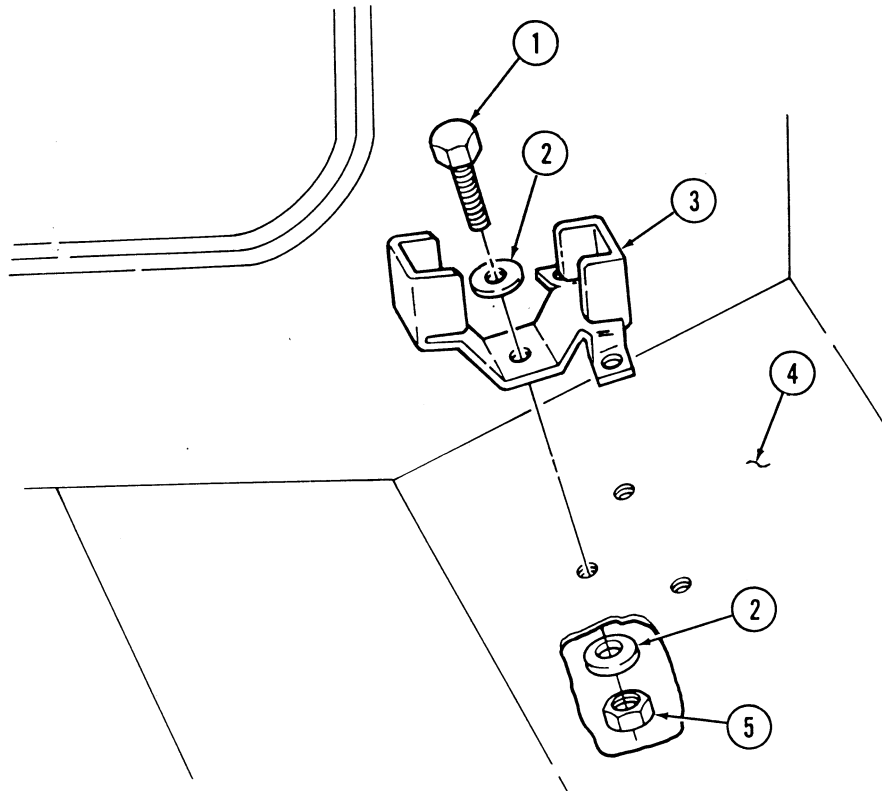
TM 9-2320-387-24P

a. Removal

Remove three locknuts (5), washers (2), capscrews (1), washers (2), and rifle support (3) from floor panel (4). Discard locknuts (5).

b. Installation

Install rifle support (3) on floor panel (4) with three washers (2), capscrews (1), washers (2), and locknuts (5). Tighten locknuts (5) to 12-17 lb-ft (16-23 N·m).



11-67.1. RIFLE MOUNTING CLAMP REPLACEMENT (M1151)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Materials/Parts

Two locknuts (Appendix G, Item 101.3)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

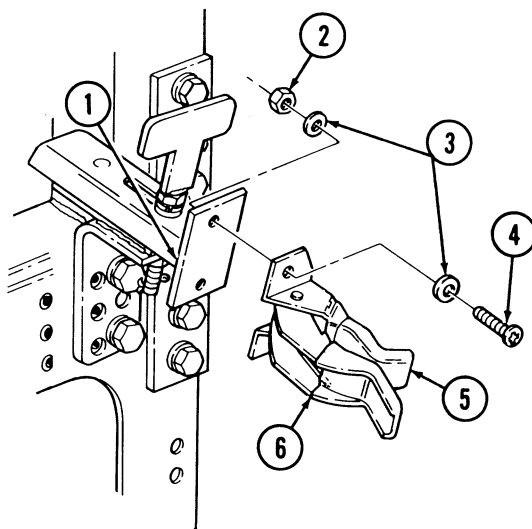
Procedures for replacing the left and right rifle mounting clamps are basically the same. This procedure covers the right rifle mounting clamp.

a. Removal

Remove two locknuts (2), washers (3), screws (4), washers (3), and clamp (5) from clamp bracket (1). Discard locknuts (2).

b. Installation

Install clamp (5) on clamp bracket (1), with moveable finger (6) inboard, with two washers (3), screws (4), washers (3), and locknuts (2).



11-67.2. RIFLE MOUNTING CLAMP BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)
Two locknuts (Appendix G, Item 105)

Manual References

TM 9-2320-387-24P

Equipment Condition

Rifle mounting clamp removed (para. 11-67.1).

NOTE

Replacement procedures for the front and rear rifle mounting clamp brackets are basically the same. This procedure covers the right front and right rear bracket.

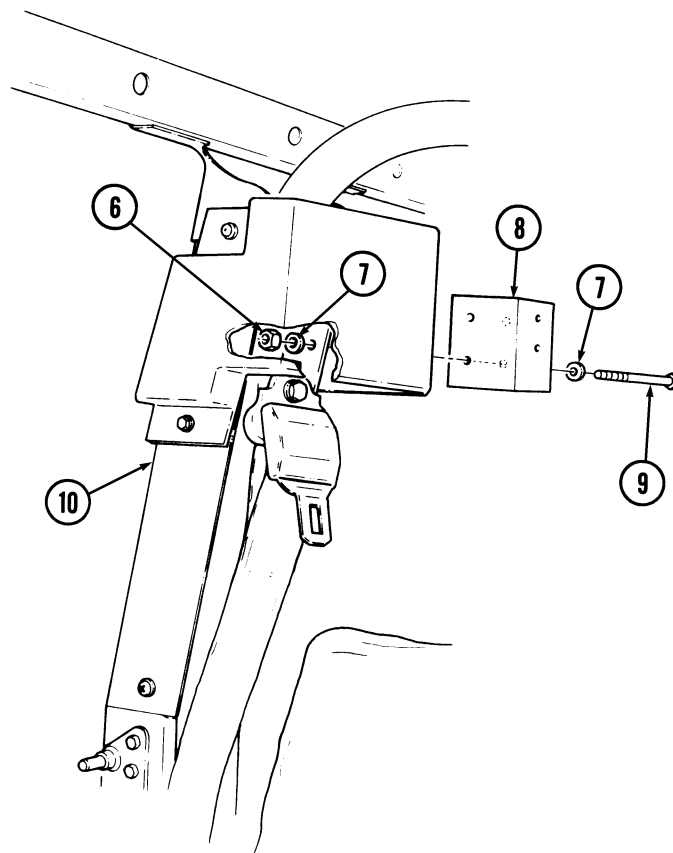
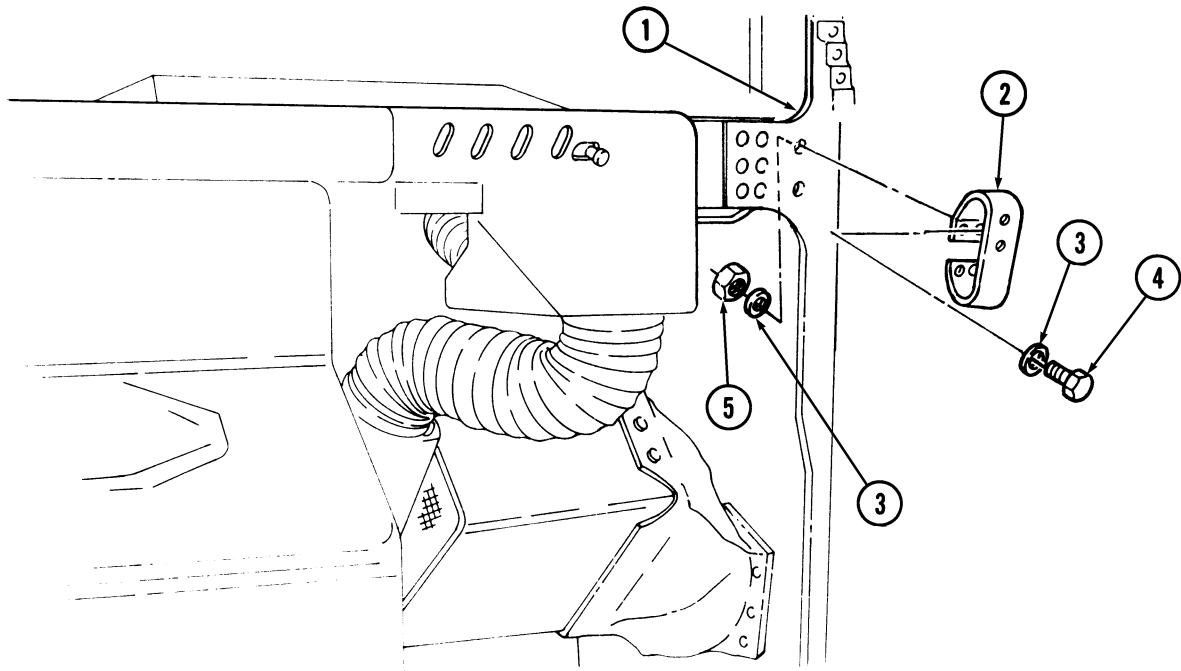
a. Removal

1. Remove two locknuts (5), washers (3), capscrews (4), washers (3), and clamp bracket (2) from A-beam (1). Discard locknuts (5).
2. Remove two locknuts (6), washers (7), capscrews (9), washers (7), and clamp bracket (8) from B-pillar (10). Discard locknuts (6).

b. Installation

1. Install clamp bracket (2) on A-beam (1) with two washers (3), capscrews (4), washers (3), and locknuts (5).
2. Install clamp bracket (8) on B-pillar (10) with two washers (7), capscrews (9), washers (7), and locknuts (6).

11-67.2. RIFLE MOUNTING CLAMP BRACKET REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Install rifle mounting clamp (para. 11-67.1).

11-67.3. RIFLE MOUNTING CLAMP BRACKET REPLACEMENT (M16 A1 RIFLE/M203 GRENADE LAUNCHER)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Cotter pin (Appendix G, Item 26)
Lockwasher (Appendix G, Item 146)
Two locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-24P

Equipment Condition

Rifle mounting clamp removed (para. 11-67.1).

NOTE

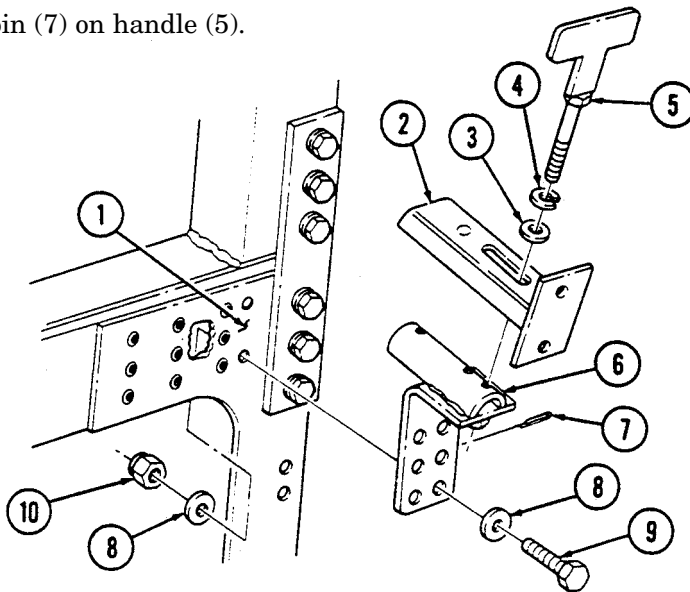
Replacement procedures for left and right rifle mounting clamp brackets are basically the same. This procedure covers the right rifle mounting clamp bracket.

a. Removal

1. Remove cotter pin (7) from handle (5). Discard cotter pin (7).
2. Remove handle (5), lockwasher (4), washer (3), and clamp bracket (2) from mounting bracket (6). Discard lockwasher (4).
3. Remove two locknuts (10), washers (8), capscrews (9), washers (8), and mounting bracket (6) from A-beam (1). Discard locknuts (10).

b. Installation

1. Install mounting bracket (6) on A-beam (1) with two washers (8), capscrews (9), washers (8), and locknuts (10).
2. Install clamp bracket (2) on mounting bracket (6) with washer (3), lockwasher (4), and handle (5).
3. Install cotter pin (7) on handle (5).



FOLLOW-ON TASK: Install rifle mounting clamp (para. 11-67.1).

11-67.4. LOWER RIFLE MOUNT BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:**Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

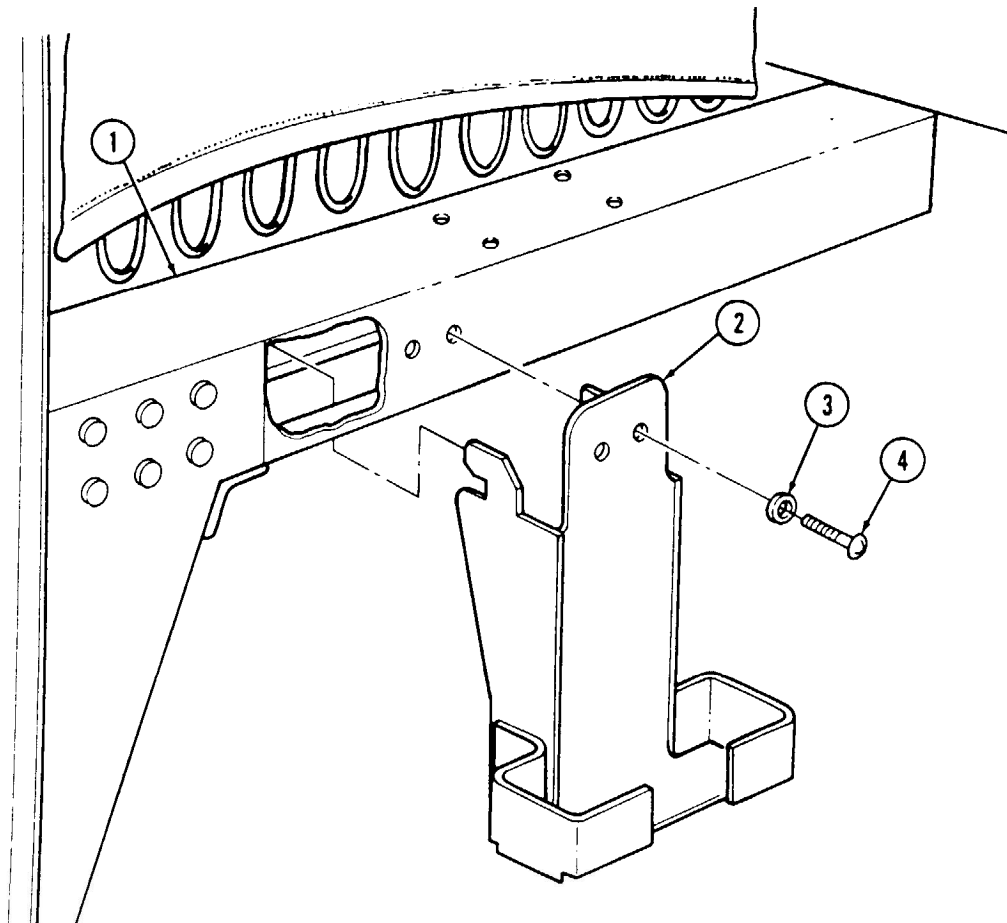
TM 9-2320-387-24P

a. Removal

Remove two screws (4), washers (3), and lower rifle mount bracket (2) from B-beam (1).

b. Installation

Install rifle mount bracket (2) on B-beam (1) with two washers (3) and screws (4).



11-67.5. FRONT GUN MOUNT PLATE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Five locknuts (Appendix G, Item 106)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

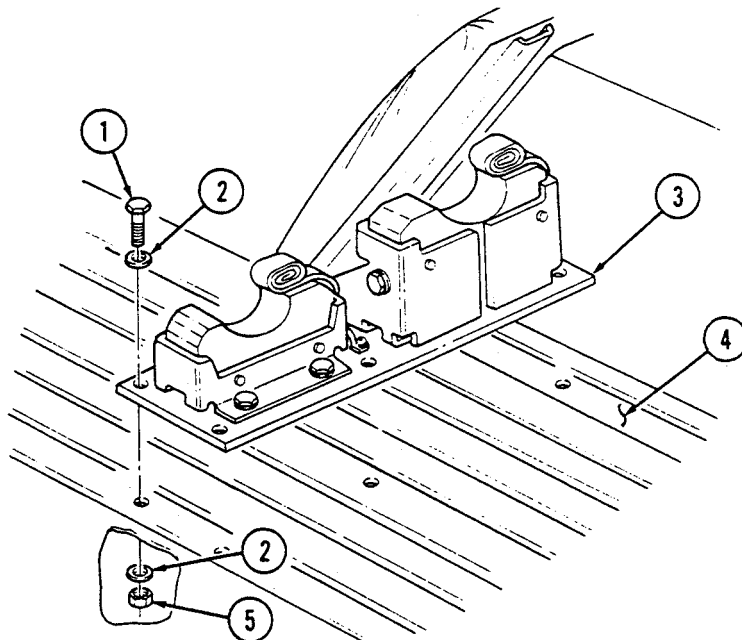
- Rear end of cargo shell door raised (TM 9-2320-387-10).
- Fuel tank removed (para 3-25).

a. Removal

1. Remove five locknuts (5), washers (2), capscrews (1), washers (2), and front plate assembly (3) from cargo floor (4). Discard locknuts (5).
2. Remove 40 mm gun mount support (para. 11-67.8) and caliber .50 gun mount support (para. 11-67.7) from front plate assembly (3).

b. Installation

1. Install caliber .50 gun mount support (para. 11-67.7) and 40 mm gun mount support (para. 11-67.8) on front plate assembly (3).
2. Install front plate assembly (3) on cargo floor (4) with five washers (2), capscrews (1), washers (2), and locknuts (5). Tighten capscrews (1) to 26 lb-ft (35 N•m).



FOLLOW-ON TASKS: • Close cargo shell door (TM 9-2320-387-10).
• Install fuel tank (para. 3-25).

11-67.6. REAR GUN MOUNT PLATE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six locknuts (Appendix G, Item 106)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

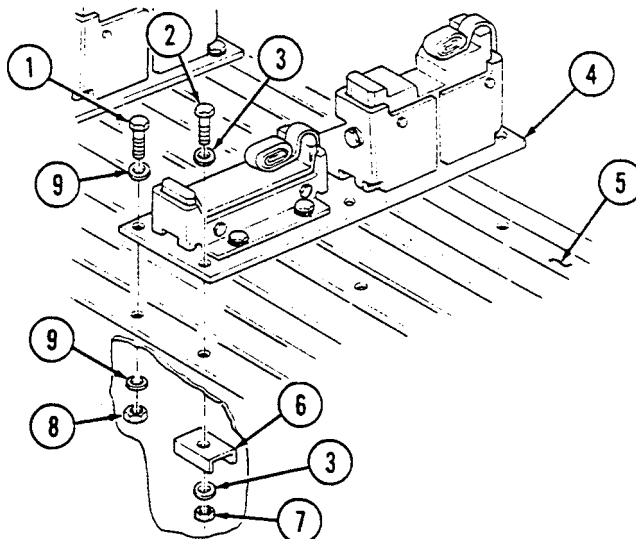
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove three locknuts (7), washers (3), reinforcement brackets (6), capscrews (2), and washers (3) from rear plate assembly (4) and cargo floor (5). Discard locknuts (7).
2. Remove three locknuts (8), washers (9), capscrews (1), washers (9), and rear plate assembly (4) from cargo floor (5). Discard locknuts (8).
3. Remove 40 mm gun mount support (para. 11-67.8) and caliber .50 gun mount support (para. 11-67.7) from rear plate assembly (4).

b. Installation

1. Install caliber .50 gun mount support (para. 11-67.7) and 40 mm gun mount support (para. 11-67.8) on rear plate assembly (4).
2. Install rear plate assembly (4) on cargo floor (5) with three washers (3), capscrews (2), reinforcement brackets (6), washers (3), and locknuts (7).
3. Secure rear plate assembly (4) to cargo floor (5) with three washers (9), capscrews (1), washers (9), and locknuts (8). Tighten capscrews (1) and (2) to 26 lb-ft (35 N·m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-67.7. GUN MOUNT SUPPORT (CALIBER .50) REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

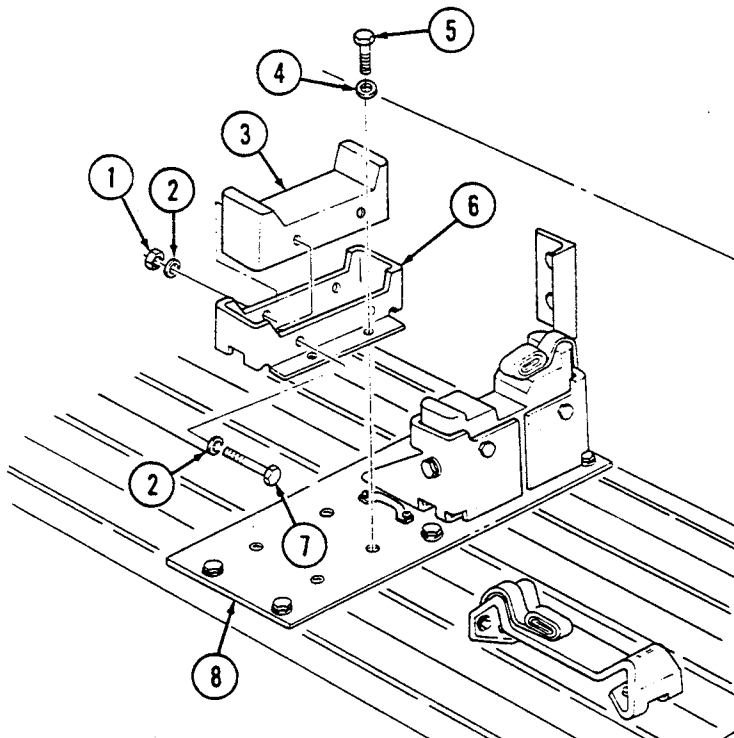
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove two locknuts (1), washers (2), capscrews (7), washers (2), and pad (3) from bracket (6). Discard locknuts (1).
2. Remove four capscrews (5), washers (4), and bracket (6) from mounting plate (8).

b. Installation

1. Install bracket (6) on mounting plate (8) with four washers (4) and capscrews (5). Tighten capscrews (5) to 26 lb-ft (35 N·m).
2. Install pad (3) on bracket (6) with two washers (2), capscrews (7), washers (2), and locknuts (1). Tighten locknuts (1) to 6 lb-ft (8 N·m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-67.8. GUN MOUNT SUPPORT (40 MM) REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

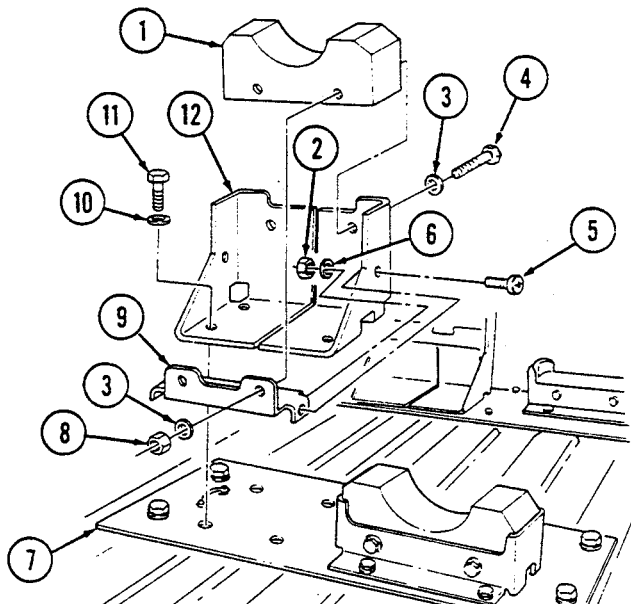
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove four capscrews (11), washers (10), and bracket (12) from mounting plate (7).
2. Remove two locknuts (8), washers (3), capscrews (4), washers (3), and pad (1) from brace (9) and bracket (12). Discard locknuts (8).
3. Remove two locknuts (2), washers (6), screws (5), and brace (9) from bracket (12). Discard locknuts (2).

b. Installation

1. Install brace (9) on bracket (12) with two screws (5), washers (6), and locknuts (2). Tighten locknuts (2) to 6 lb-ft (8 N•m).
2. Install pad (1) on bracket (12) and brace (9) with two washers (3), capscrews (4), washers (3), and locknuts (8). Tighten locknuts (8) to 6 lb-ft (8 N•m).
3. Install bracket (12) on mounting plate (7) with four washers (10) and capscrews (11). Tighten capscrews (11) to 26 lb-ft (35 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-67.9. MACHINE GUN STOP REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

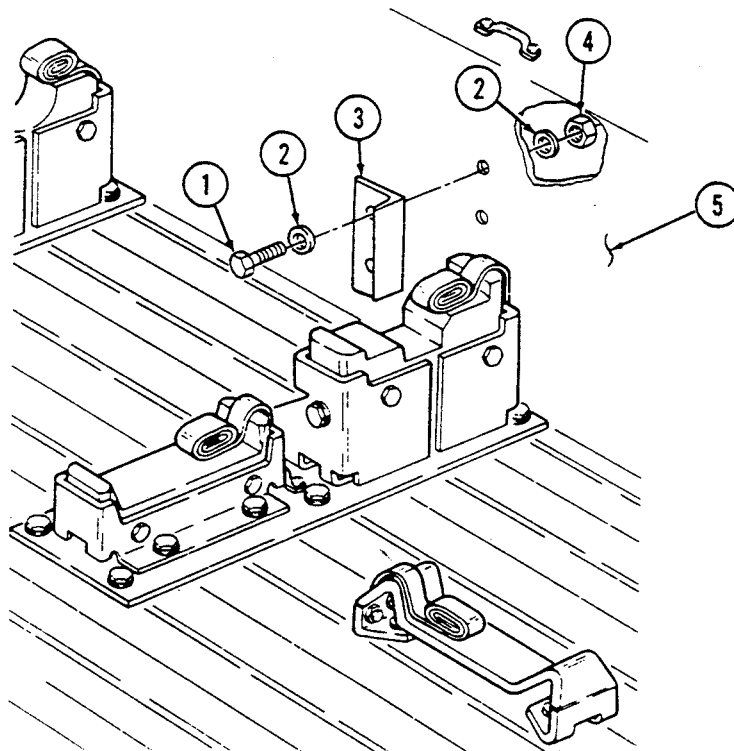
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

Remove two locknuts (4), washers (2), capscrews (1), washers (2), and stop (3) from wheelhouse (5). Discard locknuts (4).

b. Installation

Install stop (3) on wheelhouse (5) with two washers (2), capscrews (1), washers (2), and locknuts (4). Tighten locknuts (4) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-67.10. TRIPOD BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

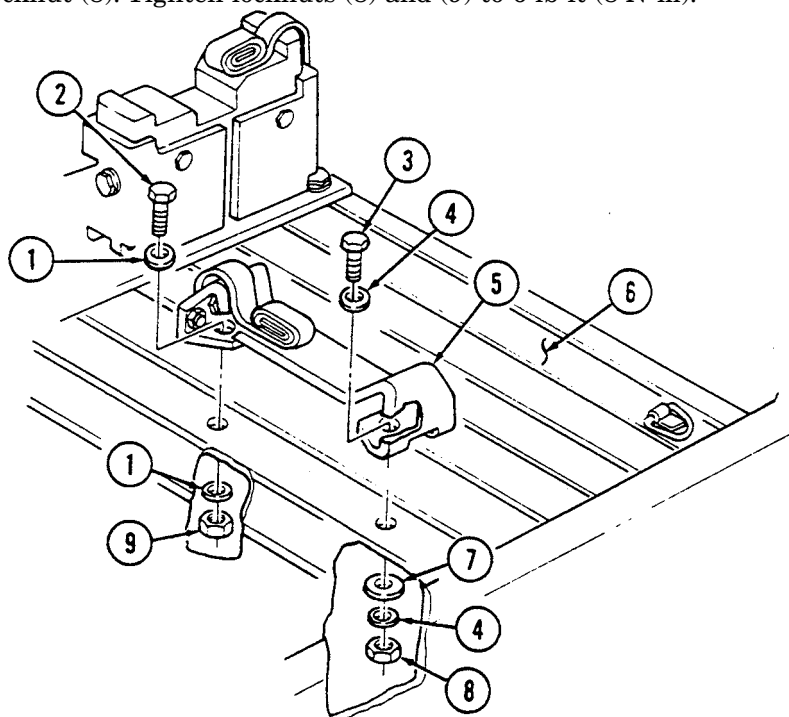
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove locknut (8), washer (4), large washer (7), capscrew (3), and washer (4) from tripod bracket (5) and cargo floor (6). Discard locknut (8).
2. Remove locknut (9), washer (1), capscrew (2), washer (1), and tripod bracket (5) from cargo floor (6). Discard locknut (9).

b. Installation

1. Install tripod bracket (5) on cargo floor (6) with washer (1), capscrew (2), washer (1), and locknut (9).
2. Secure tripod bracket (5) to cargo floor (6) with washer (4), capscrew (3), large washer (7), washer (4), and locknut (8). Tighten locknuts (8) and (9) to 6 lb-ft (8 N·m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

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11-68.1. DOUBLE AMMO BOX TRAY (CALIBER .50) REPLACEMENT (M1151)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

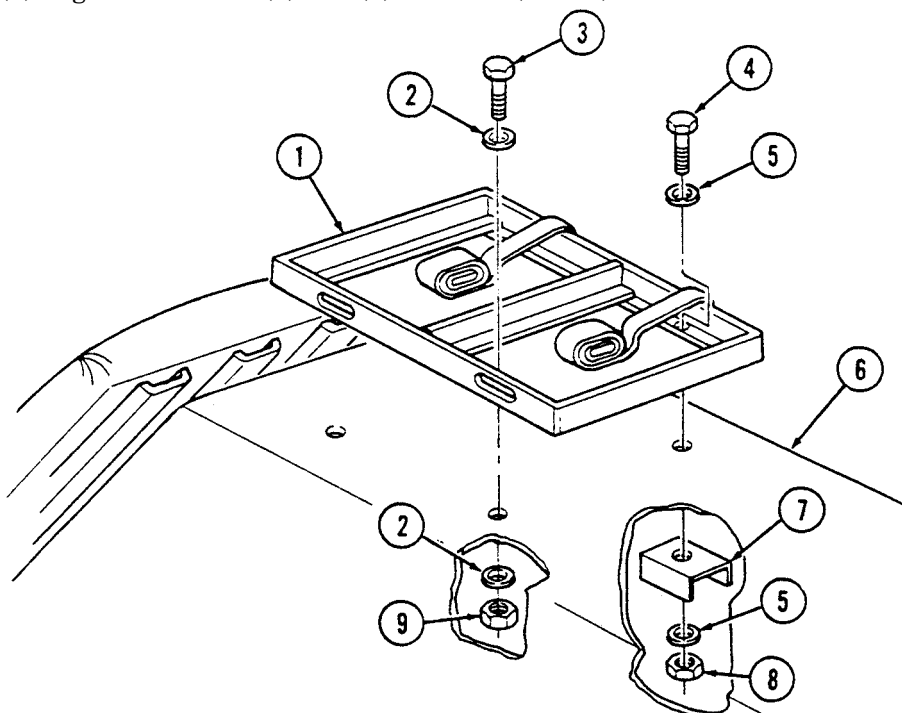
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove two locknuts (9), washers (2), capscrews (3), and washers (2) from ammo box tray (1) and wheelhouse (6). Discard locknuts (9).
2. Remove two locknuts (8), washers (5), reinforcement brackets (7), capscrews (4), washers (5), and ammo box tray (1) from wheelhouse (6). Discard locknuts (8).

b. Installation

1. Install ammo box tray (1) on wheelhouse (6) with two washers (5), capscrews (4), reinforcement brackets (7), washers (5), and locknuts (8).
2. Secure ammo box tray (1) to wheelhouse (6) with two washers (2), capscrews (3), washers (2), and locknuts (9). Tighten locknuts (9) and (8) to 6 lb-ft (8 N·m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-68.2. AMMO BOX TRAY (CALIBER .50) REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

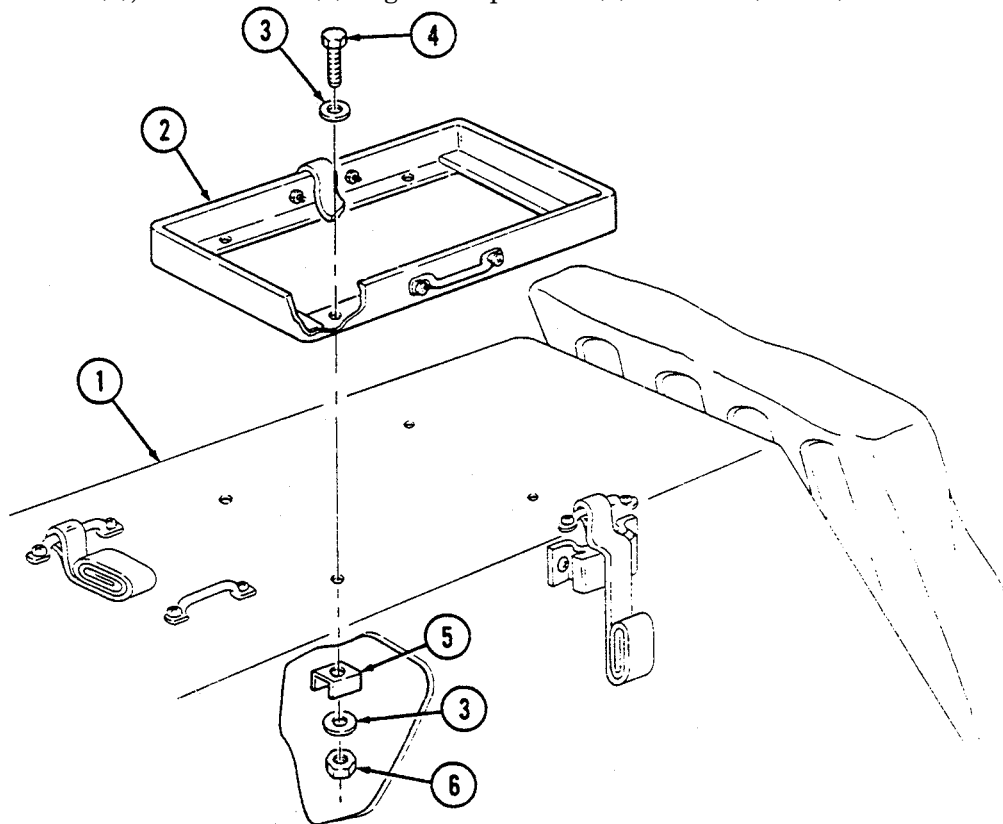
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

Remove four locknuts (6), washers (3), reinforcement brackets (5), capscrews (4), washers (3), and ammo box tray (2) from wheelhouse (1). Discard locknuts (6).

b. Installation

Install ammo box tray (2) on wheelhouse (1) with four washers (3), capscrews (4), reinforcement brackets (5), washers (3), and locknuts (6). Tighten capscrews (4) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-68.3. AMMO BOX TRAY (40 MM AND CALIBER .50) REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (appendix B, item 1)

Materials/Parts

Four locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

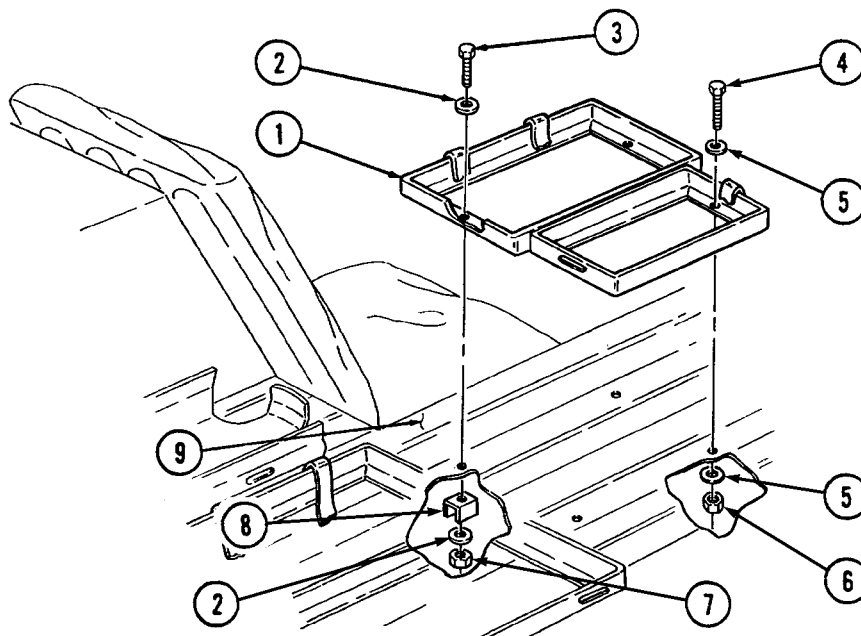
1. Remove locknut (7), washer (2), reinforcement bracket (8), capscrew (3), and washer (2) from ammo box tray (1) and cargo floor (9). Discard locknut (7).
2. Remove three locknuts (6), washers (5), capscrews (4), washers (5), and ammo box tray (1) from cargo floor (9). Discard locknuts (6).

b. Installation

NOTE

Longer capscrews go in right side mounting holes.

1. Install ammo box tray (1) on cargo floor (9) with washer (2), capscrew (3), reinforcement bracket (8), washer (2), and locknut (7).
2. Secure ammo box tray (1) to cargo floor (9) with three washers (5), capscrews (4), washers (5), and locknuts (6). Tighten capscrews (4) and (3) to 6 lb-ft (8 N·m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-68.4. DOUBLE AMMO BOX TRAY (40 MM) REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Eight locknuts (5) (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

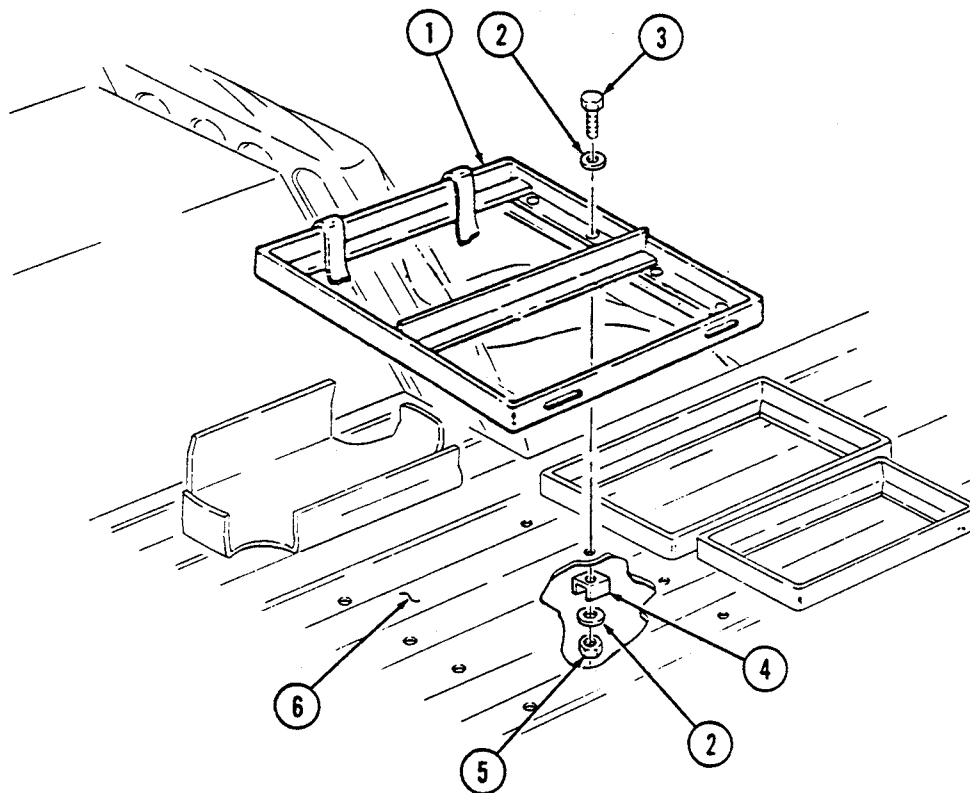
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

Remove eight locknuts (5), washers (2), reinforcement brackets (4), capscrews (3), washers (2), and ammo box tray (1) from cargo floor (6). Discard locknuts (5).

b. Installation

Install ammo box tray (1) on cargo floor (6) with eight washers (2), capscrews (3), reinforcement brackets (4), washers (2), and locknuts (5). Tighten capscrews (3) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-68.5. TRIPLE AMMO BOX TRAY (40 MM) REPLACEMENT (M1151)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six locknuts (Appendix G, Item 77)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

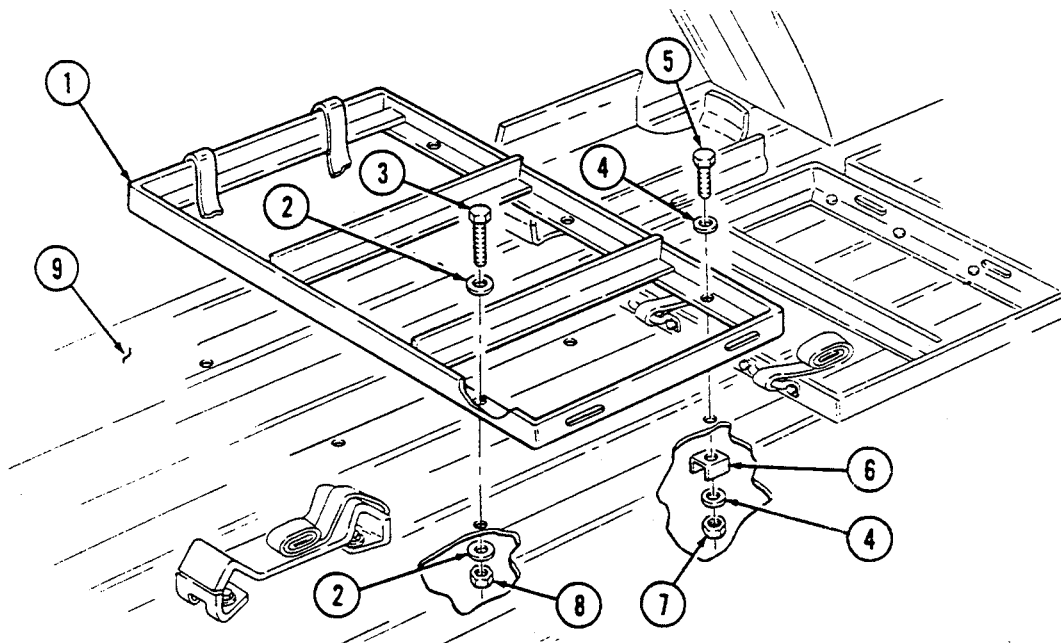
Rear end of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove three locknuts (8), washers (2), capscrews (3), and washers (2) from ammo box tray (1) and cargo floor (9). Discard locknuts (8).
2. Remove three locknuts (7), washers (4), reinforcement brackets (6), capscrews (5), washers (4), and ammo box tray (1) from cargo floor (9). Discard locknuts (7).

b. Installation

1. Install ammo box tray (1) on cargo floor (9) with three washers (4), capscrews (5), reinforcement brackets (6), washers (4), and locknuts (7).
2. Secure ammo box tray (1) to cargo floor (9) with three washers (2), capscrews (3), washers (2), and locknuts (8). Tighten capscrews (3) and (5) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-70.1. WATER CAN TRAY REPLACEMENT (M1151)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

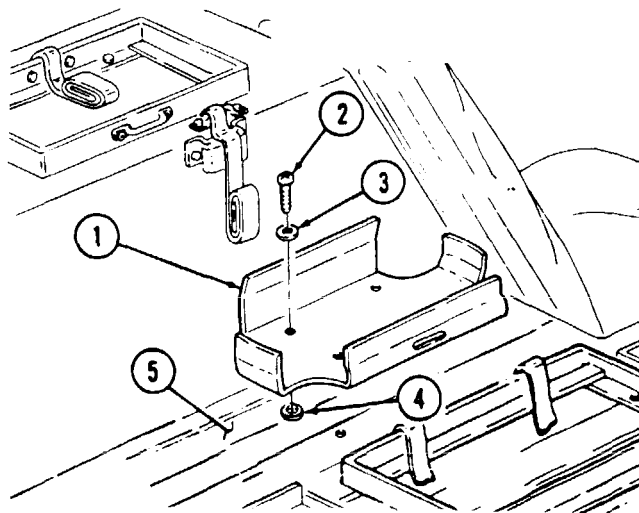
Rear of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

1. Remove three screws (2), washers (3), and water can tray (1) from cargo floor (5).
2. Inspect rivnuts (4) for damage. Replace if damaged.

b. Installation

Install water can tray (1) on cargo floor (5) with three washers (3) and screws (2). Tighten screws (2) to 6 lb-ft (8 N•m).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-70.2. WATER CAN BUMPER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (appendix B, Item 1)

Materials/Parts

Two plain-assembled nuts
(Appendix G, Item 197)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P
TM 9-2320-387-10

Equipment Condition

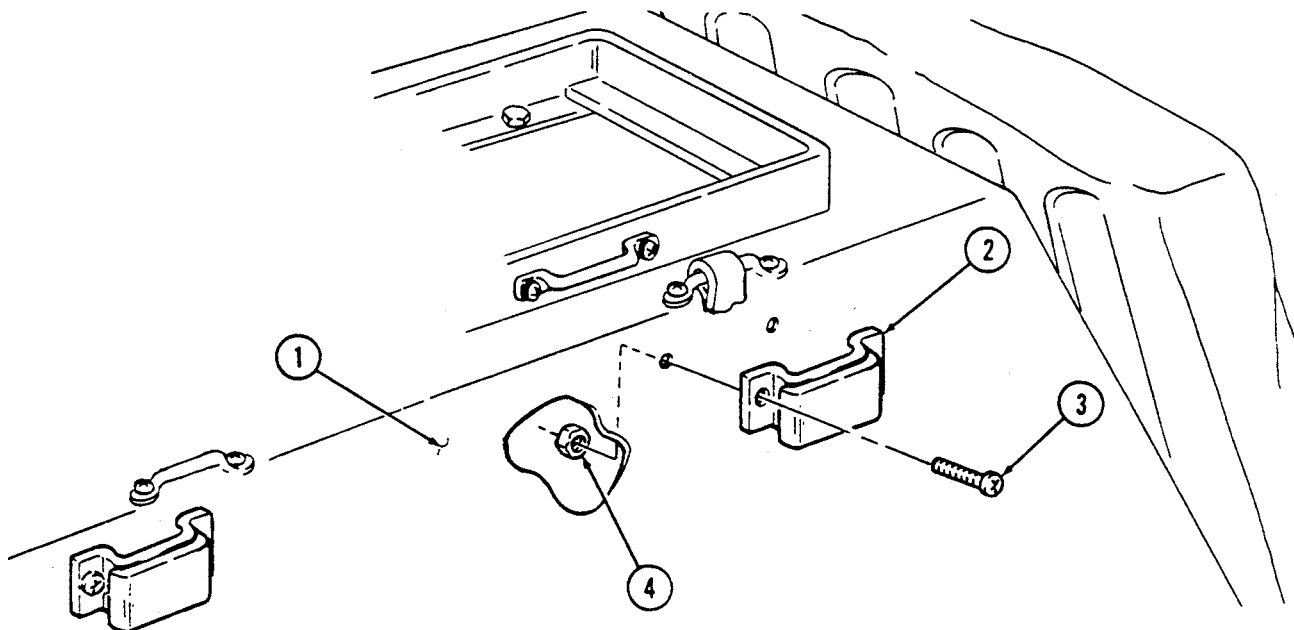
Rear of cargo shell door raised
(TM 9-2320-387-10).

a. Removal

Remove two plain-assembled nuts (4), screws (3), and water can bumper (2) from wheelhouse (1). Discard plain-assembled nuts (4).

b. Installation

Install water can bumper (2) on wheelhouse (1) with two screws (3) and plain-assembled nuts (4).



FOLLOW-ON TASK: Close cargo shell door (TM 9-2320-387-10).

11-71.4. GUNNER'S PLATFORM REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

1. Remove four capscrews (3) and washers (2) from two guides (7) and remove four channel nuts (6) from gunner's platform (1).
2. Remove two pins (4) from gunner's platform (1).

NOTE

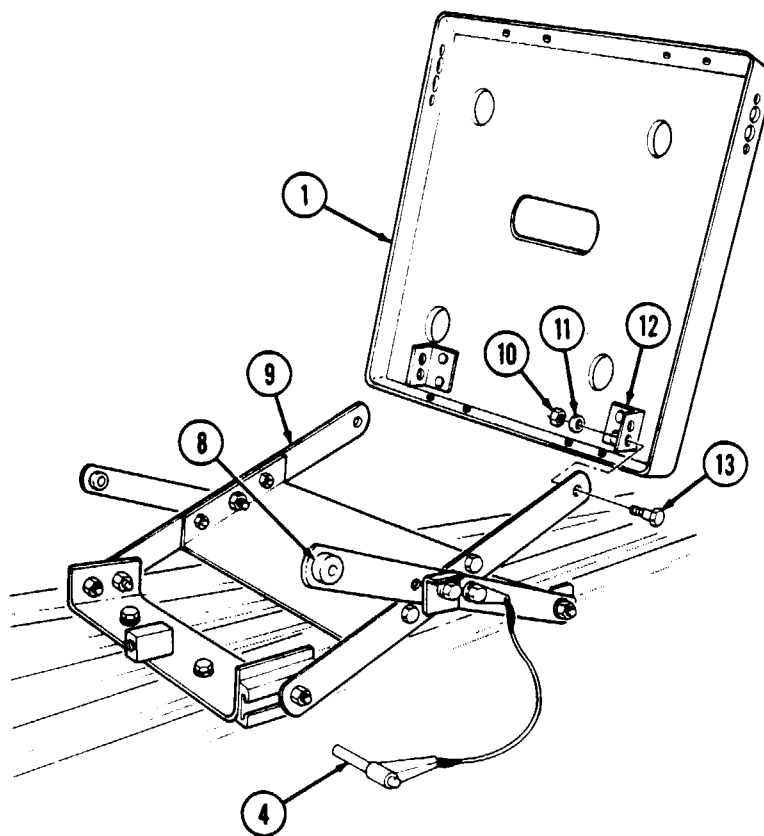
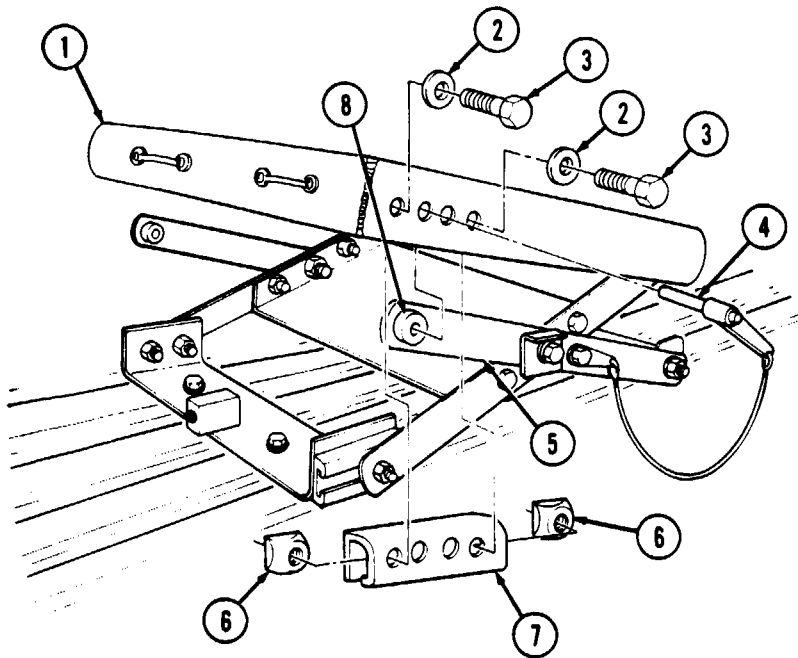
Tag location of guides for installation.

3. Slowly lift front of gunner's platform (1) and remove two guides (7) and four channel nuts (6) from pin receptacles (8) on forward risers (5).
4. Tilt gunner's platform (1) all the way back.
5. Remove two nuts (10), washers (11), and shoulder bolts (13) from rear brackets (12) and rear risers (9) and remove gunner's platform (1).
6. Remove footman loops and straps (para. 10-9) from gunner's platform (1).

b. Installation

1. Install footman loops and straps (para. 10-9) on gunner's platform (1).
2. Install rear brackets (12) on rear risers (9) and install gunner's platform (1) with two shoulder bolts (13), washers (11), and nuts (10). Tighten nuts (10) to 10-15 lb-ft (14-20 N•m).
3. Slide two channel nuts (6) in guides (7), align with front hole in guide (7), and hold in place.
4. Align two guides (7) with front holes in gunner's platform (1). Place two washers (2) on capscrews (3) and install capscrews (3) through front holes in gunner's platform (1) and guides (7) into channel nuts (6). Tighten capscrews (3) finger tight.
5. Slide two pin receptacles (8) into guides (7).
6. Slide two rear channel nuts (6) into rear of guides (7), align with rear holes in gunner's platform (1) by moving front of gunner's platform (1) slightly up and down, and install washers (2) and capscrews (3) in channel nuts (6).
7. Install two pins (4) on rear side holes, and tighten four capscrews (3) to 6 lb-ft (8 N•m).

11-71.4. GUNNER'S PLATFORM REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Check operation of gunner's platform (TM 9-2320-387-10).

11-71.5. GUNNER'S PLATFORM ASSEMBLY MAINTENANCE

This task covers:

a. Disassembly

b. Assembly

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six locknuts (Appendix G, Item 133.88)
Four locknuts (Appendix G, Item 133.6)
Two locknuts (Appendix G, Item 133.7)

Personnel Required

One mechanic
One assistant

Manual References

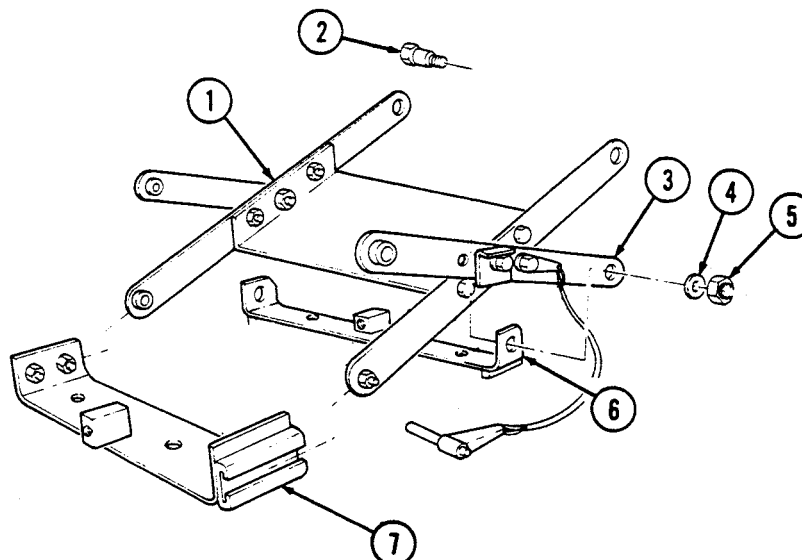
TM 9-2320-387-24P

Equipment Condition

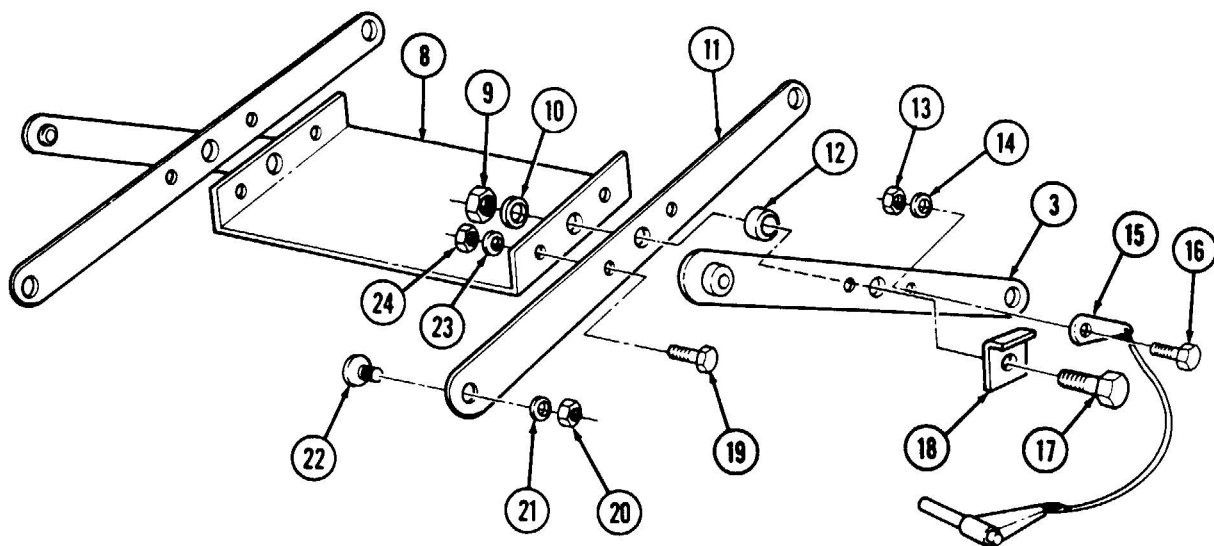
- Gunner's platform removed (para. 11-71.4).
- Gunner's platform assembly removed (para. 11-71.6).

a. Disassembly

1. Remove two locknuts (5), washers (4), shoulder bolts (2), and outer risers (3) from rear mounting bracket (6). Discard locknuts (5).
2. Remove riser assembly (1) from front mounting bracket (7).
3. Remove two locknuts (9), washers (10), capscrews (17), spacers (12), outer risers (3), and latches (18) from inner risers (11). Discard locknuts (9).
4. Remove two locknuts (13), washers (14), capscrews (16), and two pin-and-lanyard assemblies (15) from outer risers (3). Discard locknuts (13).
5. Remove four locknuts (24), washers (23), capscrews (19), and inner risers (11) from stiffener plate (8). Discard locknuts (24).
6. Remove two locknuts (20), washers (21), and guide pin bolts (22) from inner risers (11). Discard locknuts (20).



11-71.5. GUNNER'S PLATFORM ASSEMBLY MAINTENANCE (Cont'd)



11-71.5. GUNNER'S PLATFORM ASSEMBLY MAINTENANCE (Cont'd)

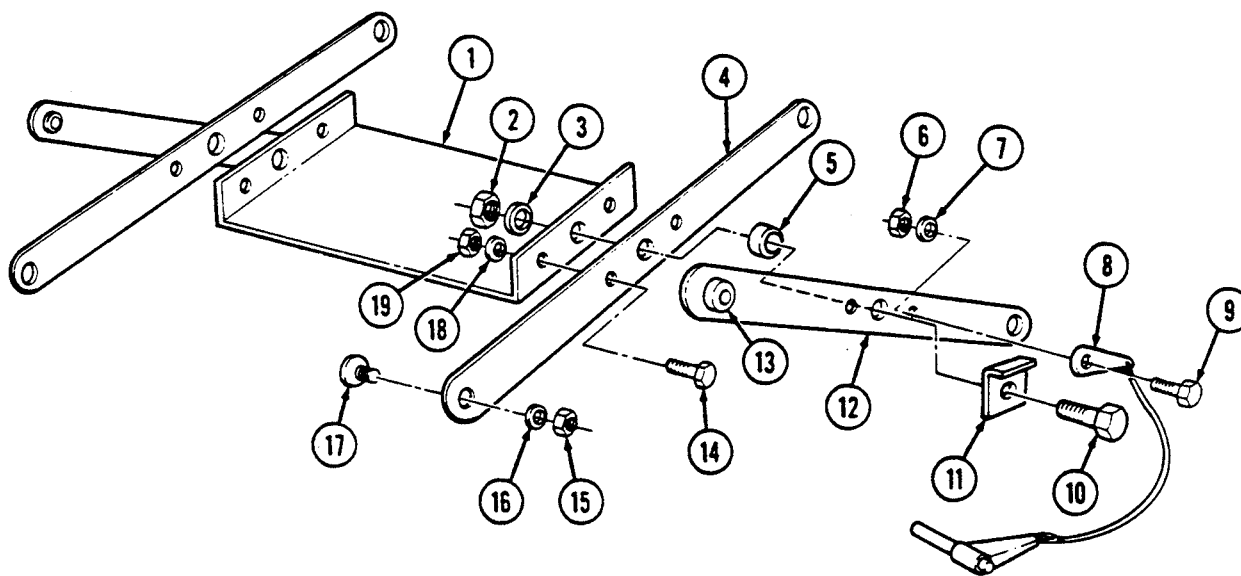
b. Assembly

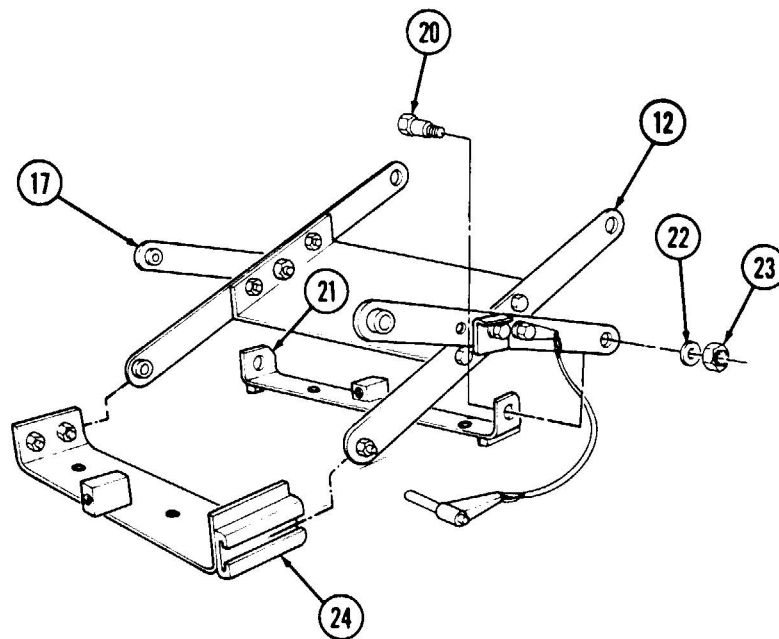
1. Install two guide pin bolts (17) on inner risers (4) with two washers (16) and locknuts (15). Tighten locknuts (15) to 10-15 lb-ft (14-20 N•m).

NOTE

Make sure heads of guide pin bolts are installed inward, facing each other.

2. Install inner risers (4) on stiffener plate (1) with four capscrews (14), washers (18), and locknuts (19). Tighten locknuts (19) to 6 lb-ft (8 N•m).
3. Install two pin-and-lanyard assemblies (8) on outer risers (12), on same side as pin receptacles (13), with two capscrews (9), washers (7), and locknuts (6). Tighten locknuts (6) to 6 lb-ft (8 N•m).
4. Install two spacers (5), outer risers (12), and latches (11) on inner risers (4) ensuring pin receptacles (13) are facing outward, with two capscrews (10), washers (3), and locknuts (2). Tighten locknuts (2) to 6 lb-ft (8 N•m), then back off locknuts 1/4 to 1/2 turn to allow outer risers (12) to pivot freely.
5. Install guide pin bolts (17) on front mounting bracket (24) tracks, and install outer risers (12) on rear mounting bracket (21) with two shoulder bolts (20), washers (22), and locknuts (23). Tighten locknuts (23) to 10-15 lb-ft (14-20 N•m).



11-71.5. GUNNER'S PLATFORM ASSEMBLY MAINTENANCE (Cont'd)

FOLLOW-ON TASKS:

- Install gunner's platform (para. 11-71.4).
- Install gunner's platform assembly (para. 11-71.6).

11-71.6. GUNNER'S PLATFORM ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Five locknuts (Appendix G, Item 133.9)

Personnel Required

One mechanic
One assistant

Manual References

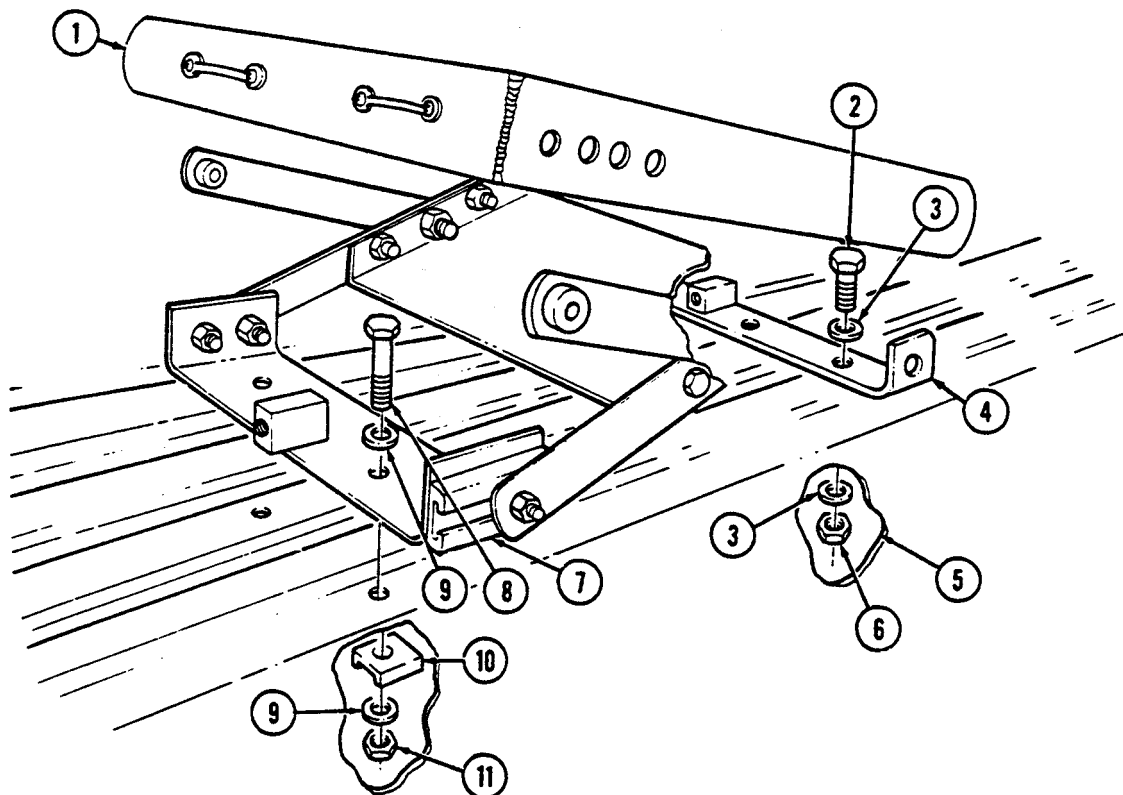
TM 9-2320-387-24P

a. Removal

1. Remove two locknuts (11), washers (9), reinforcement brackets (10), capscrews (8), and washers (9) from front gunner's platform bracket (7) and cargo floor (5). Discard locknuts (11).
2. Remove three locknuts (6), washers (3), capscrews (2), washers (3), gunner's platform assembly (1), and rear gunner's bracket (4) from cargo floor (5). Discard locknuts (6).

b. Installation

1. Install gunner's platform assembly (1) and rear gunner's platform bracket (4) on cargo floor with three washers (3), capscrews (2), washers (3), and locknuts (6).
2. Install front bracket (7) on cargo floor (5) with two washers (9), capscrews (8), reinforcement brackets (10), washers (9), and locknuts (11). Tighten capscrews (2) and (8) to 21 lb-ft (29 N·m).



11-71.7. REAR SEAT STOWAGE COMPARTMENT NET BRACKETS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

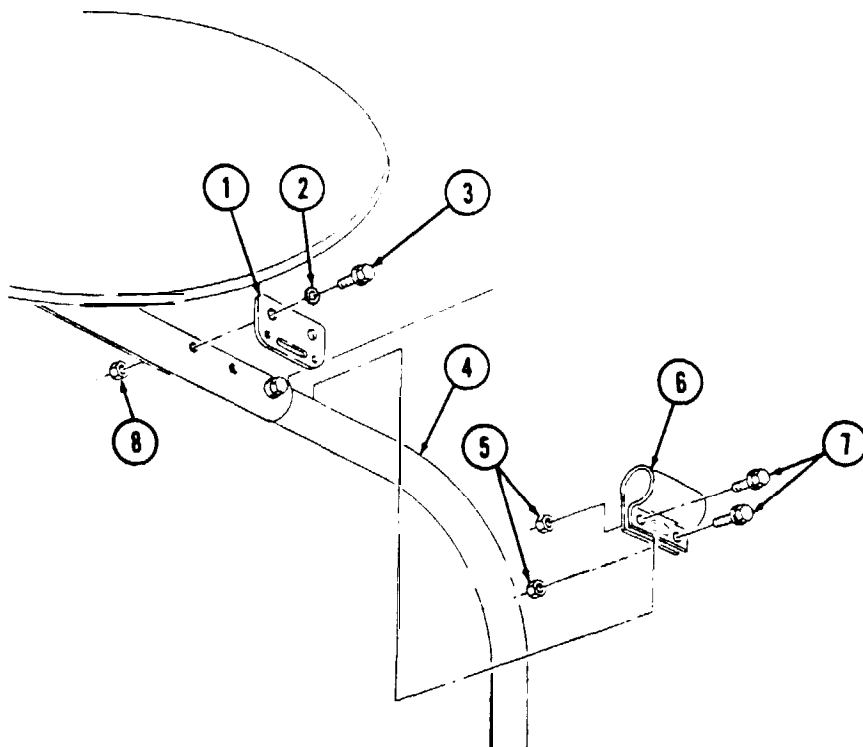
Rear seat stowage compartment net removed
(TM-9-2320-387-10).

a. Removal

1. Remove two nuts (5), capscrews (7), and bracket (6) from support (4).
2. Remove two nuts (8), capscrews (3), washers (2), and bracket (1) from support (4).

b. Installation

1. Install bracket (1) on support (4) with two washers (2), capscrews (3), and nuts (8).
2. Install bracket (6) on support (4) with two capscrews (7) and nuts (5).



FOLLOW-ON TASK: Install rear seat stowage compartment net (TM-9-2320-387-10).

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CHAPTER 11
SPECIAL PURPOSE BODIES (UNIT) MAINTENANCE

Section II. SHELTER CARRIER BODY MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 11, for any maintenance task not listed below.

11-72. SHELTER CARRIER BODY MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
11-79.1.	Cab Enclosure Panel Replacement	11-144

11-79.1. CAB ENCLOSURE PANEL REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Three lockwashers (Appendix G, Item 101.4)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

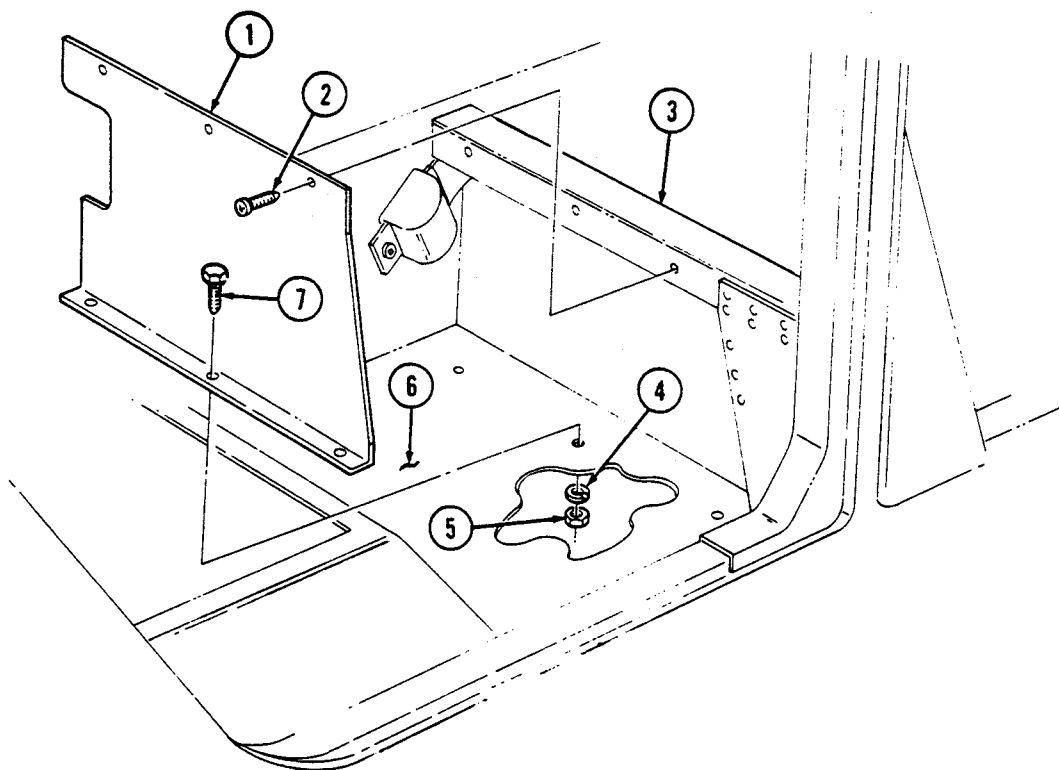
Fixed rear door removed (para. 10-20).

a. Removal

1. Remove three nuts (5), lockwashers (4), and capscrews (7) from panel (1) and footwell (6). Discard lockwashers (4).
2. Remove three screws (2) and panel (1) from B-beam (3).

b. Installation

1. Install panel (1) on B-beam (3) with three screws (2).
2. Install panel (1) on footwell (6) with three capscrews (7), lockwashers (4), and nuts (5). Tighten nuts (5) to 15-20 lb-in. (2 N•m).



FOLLOW-ON TASK: Install fixed rear door (para. 10-20).

CHAPTER 12
SPECIAL PURPOSE KITS (UNIT) MAINTENANCE

Section IV. DEEP WATER FORDING KIT MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 12, for any maintenance task not listed below.

12-37. DEEP WATER FORDING KIT MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
12-41.1.	Air Cleaner Extension Elbow Replacement	12-74.2

12-41.1. AIR CLEANER EXTENSION ELBOW REPLACEMENT

This task covers:

- a. Removal
- b. Inspection

c. Installation

INITIAL SETUP:Applicable Models

M1151, M1152

Manual References

TM 9-2320-387-24P

Tools

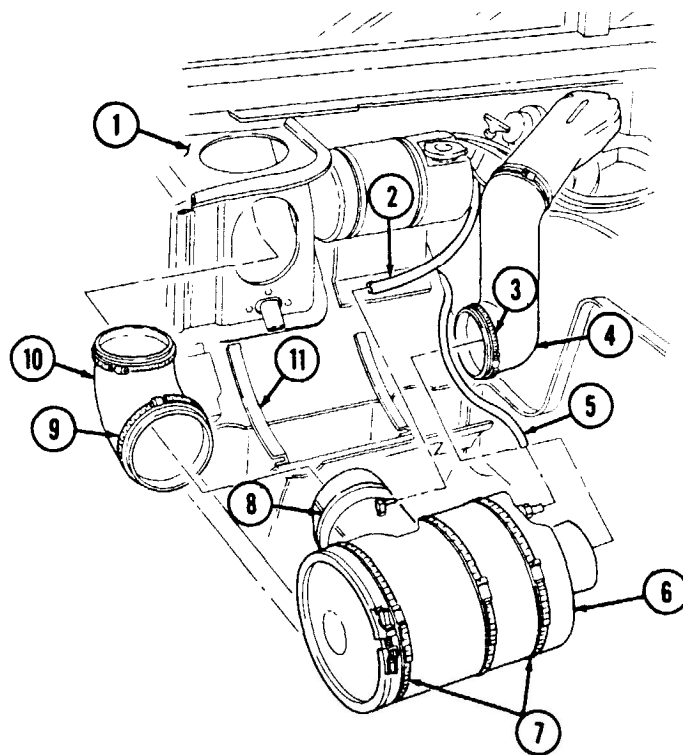
General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Air intake assembly removed (para. 3-19).

a. Removal

1. Loosen clamp (3) and disconnect air horn-to-air cleaner elbow (4) from air cleaner assembly (6).
2. Disconnect air cleaner-to-selector valve vent line (2) from air cleaner assembly (6).
3. Disconnect air restriction gauge hose (5) from air cleaner assembly (6).
4. Loosen two outer clamps (7) from air cleaner assembly (6) and support brackets (11).
5. Remove air cleaner assembly (6), gasket (8), and air cleaner extension elbow (10) from air induction box (1).
6. Loosen clamp (9) and remove air cleaner extension elbow (10) from air cleaner assembly (6).

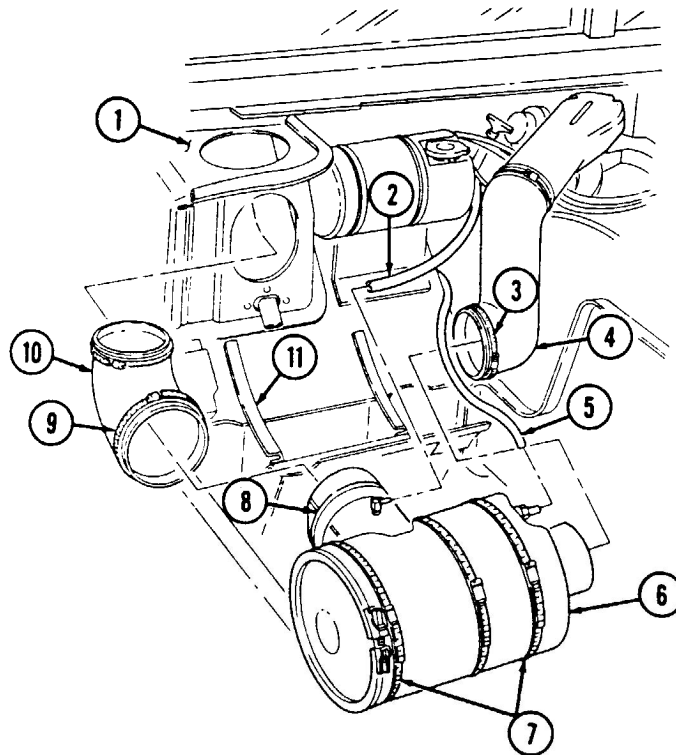


12-41.1 AIR CLEANER EXTENSION ELBOW REPLACEMENT (Cont'd)**b. Inspection**

Inspect gasket (8) for breaks or cracks. Replace if broken or cracked.

c. Installation

1. Install air cleaner extension elbow (10) on air cleaner assembly (6). Tighten clamp (9) to 45-50 lb-in. (5-6 N•m).
2. Install air cleaner extension elbow (10) on air induction box (1).
3. Install air cleaner assembly (6) on support brackets (11) with two outer clamps (7). Tighten clamps (7) to 35-40 lb-in. (4-5 N•m).
4. Connect air restriction gauge hose (5) to air cleaner assembly (6).
5. Connect air cleaner-to-selector valve vent line (2) to air cleaner assembly (6).
6. Connect air horn-to-air cleaner elbow (4) to air cleaner assembly (6). Tighten clamp (3) to 45-50 lb-in. (5-6 N•m).



FOLLOW-ON TASK: Install air intake assembly (para. 3-19).

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Section V. TROOP SEAT KIT MAINTENANCE

12-50. TROOP SEAT KIT MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
12-51.	Seat Support Replacement	12-85
12-52.	Troop Seat Kit Replacement	12-86
12-53.	Troop Seat Board Replacement	12-88

12-51. SEAT SUPPORT REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Three cotter pins (Appendix G, Item 16-1)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

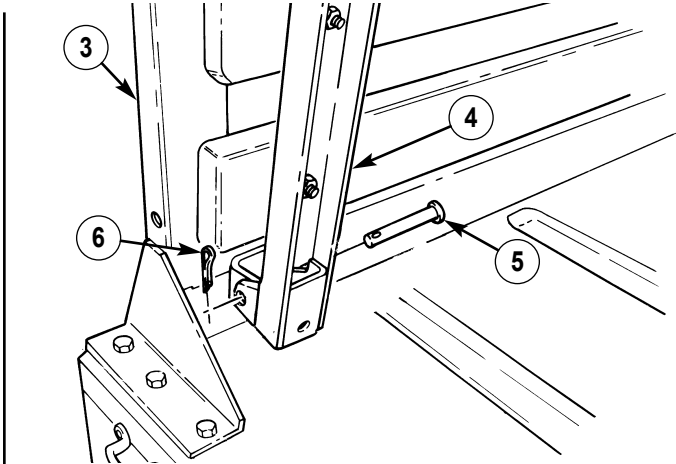
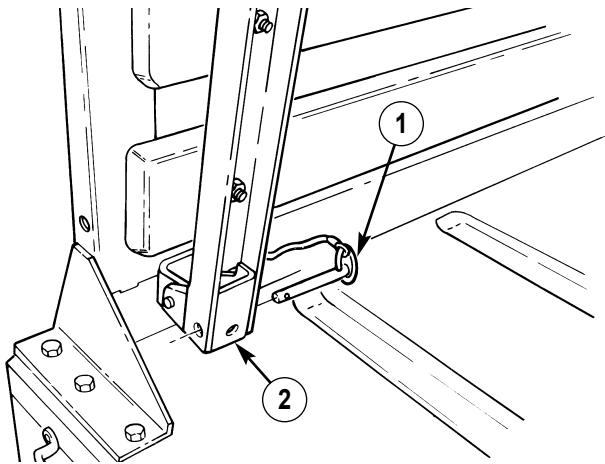
TM 9-2320-387-24P

a. Removal

1. Remove two lockpins (1) from troop seat (2).
2. Lower seat support (4).
3. Remove three cotter pins (6), clevis pins (5), and seat support (4) from back support (3). Discard cotter pins (6).

b. Installation

1. Install seat support (4) on back support (3) with three clevis pins (5) and cotter pins (6).
2. Raise seat support (4) and install two lockpins (1) on troop seat (2).



12-52. TROOP SEAT KIT REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Nine locknuts (Appendix G, Item 77)
Two locknuts (Appendix G, Item 133)
Three locknuts (Appendix G, Item 87)

Personnel Required

One mechanic
One assistant

Manual References

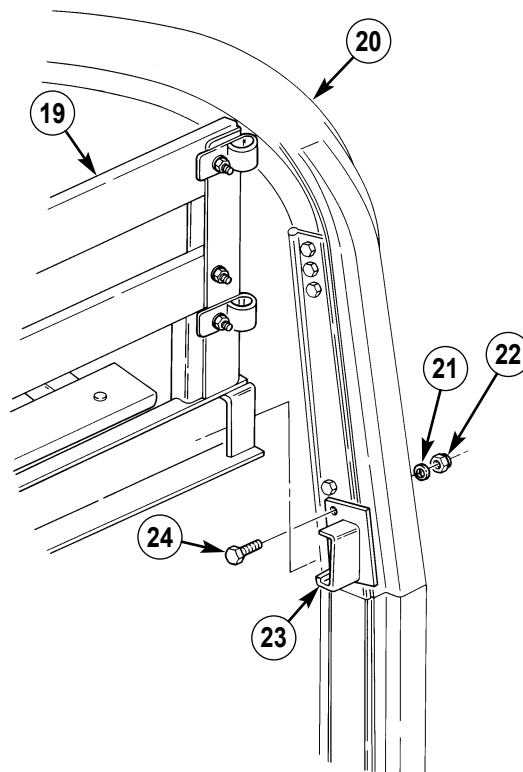
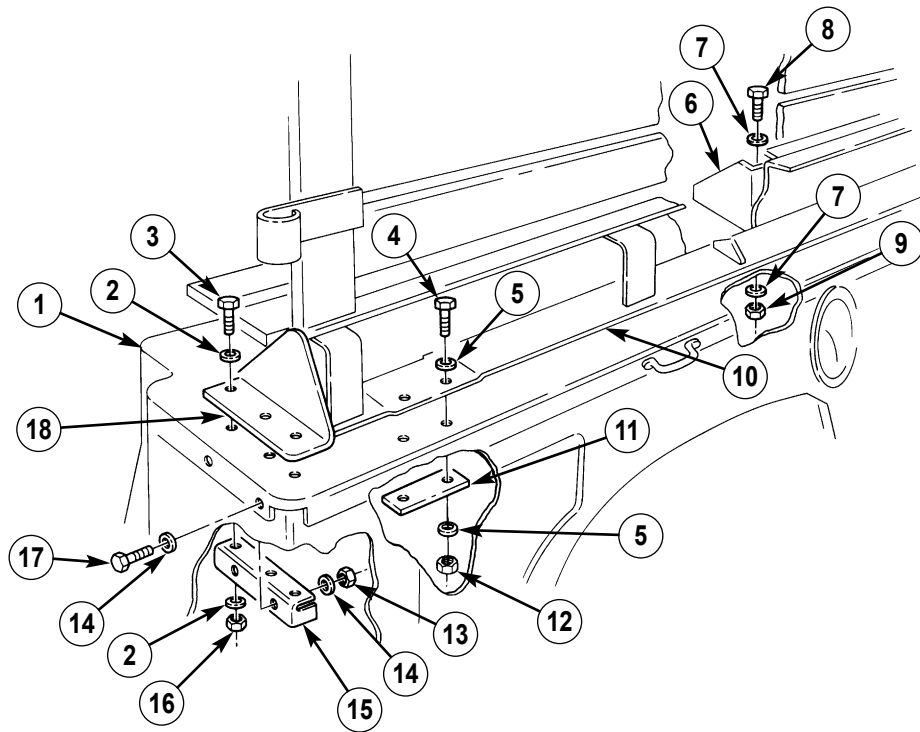
TM 9-2320-387-24P

a. Removal

1. Remove three locknuts (16), washers (2), capscrews (3), washers (2), and rear angle bracket (18) from wheelhouse (1). Discard locknuts (16).
2. Remove two locknuts (13), washers (14), capscrews (17), washers (14), and rear bracket retainer plate (15) from wheelhouse (1). Discard locknuts (13).
3. Remove two nuts (9), washers (7), capscrews (8), washers (7), and support bracket (6) from wheelhouse (1).
4. Remove six locknuts (12), washers (5), capscrews (4), washers (5), three reinforcement plates (11), and main channel (10) from wheelhouse (1). Discard locknuts (12).
5. Remove troop seat (19).
6. Remove three locknuts (22), washers (21), capscrews (24), and channel support (23) from B-pillar (20). Discard locknuts (22).

b. Installation

1. Install channel support (23) on B-pillar (20) with three capscrews (24), washers (21), and locknuts (22). Tighten locknuts (22) to 15 lb-ft (20 N•m).
2. Install troop seat (19) on wheelhouse (1).
3. Install main channel (10) and three reinforcement plates (11) on wheelhouse (1) with six washers (5), capscrews (4), washers (5), and locknuts (12). Tighten capscrews (4) to 15 lb-ft (20 N•m).
4. Install support bracket (6) on wheelhouse (1) with two washers (7), capscrews (8), washers (7), and nuts (9). Tighten nuts (9) to 43 lb-ft (58 N•m).
5. Install rear bracket retainer plate (15) on wheelhouse (1) with two washers (14), capscrews (17), washers (14), and locknuts (13). Tighten locknuts (13) to 6 lb-ft (8 N•m).
6. Install rear angle bracket (18) on wheelhouse (1) with three washers (2), capscrews (3), washers (2), and locknuts (16). Tighten locknuts (16) to 6 lb-ft (8 N•m).

12-52. TROOP SEAT KIT REPLACEMENT (Cont'd)

12-53. TROOP SEAT BOARD REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Three plain-assembled nuts
(Appendix G, Item 197.1)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

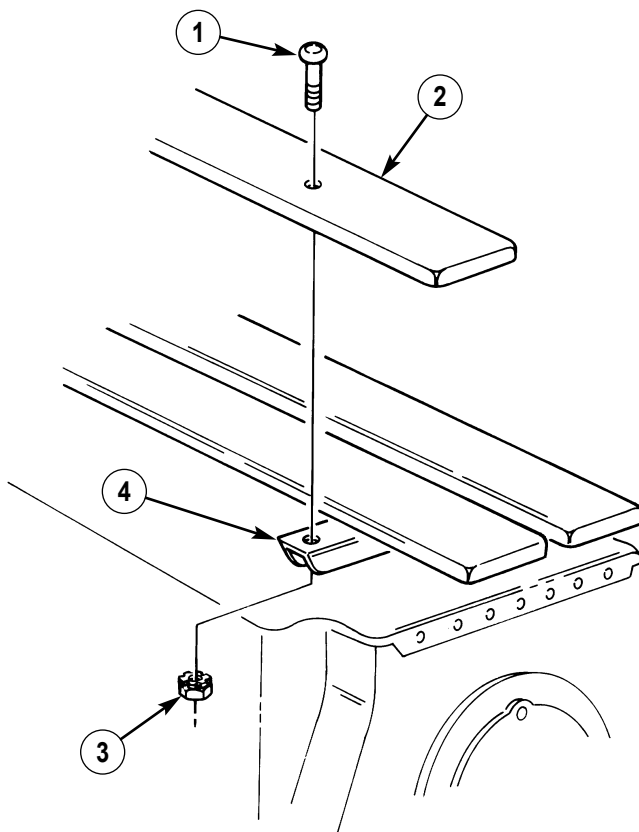
The procedure for replacing seat boards and back boards is basically the same. This procedure covers seat boards.

a. Removal

Remove three carriage bolts (1), plain-assembled nuts (3), and seat board (2) from channel assembly (4). Discard plain-assembled nuts (3).

b. Installation

Install seat board (2) on channel assembly (4) with three carriage bolts (1) and plain-assembled nuts (3).



Section VI. ARCTIC WINTERIZATION CREW TOP KITS MAINTENANCE

12-54. ARCTIC WINTERIZATION CREW TOP KITS MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
12-55.	Arctic Top Cover Assembly Replacement	12-90
12-56.	Arctic Curtain Assembly Replacement	12-91
12-57.	Arctic Curtain Angle Assembly Replacement	12-92
12-58.	Arctic Window Replacement	12-93
12-59.	Arctic Curtain Channel Assembly Replacement (2-Man Crew)	12-94
12-60.	Arctic Curtain Channel Assembly Replacement (4-Man Crew)	12-96
12-61.	Arctic Curtain Fastener Tape Hook Replacement	12-97
12-62.	Arctic Foam Insulation Strip Replacement	12-98

12-55. ARCTIC TOP COVER ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

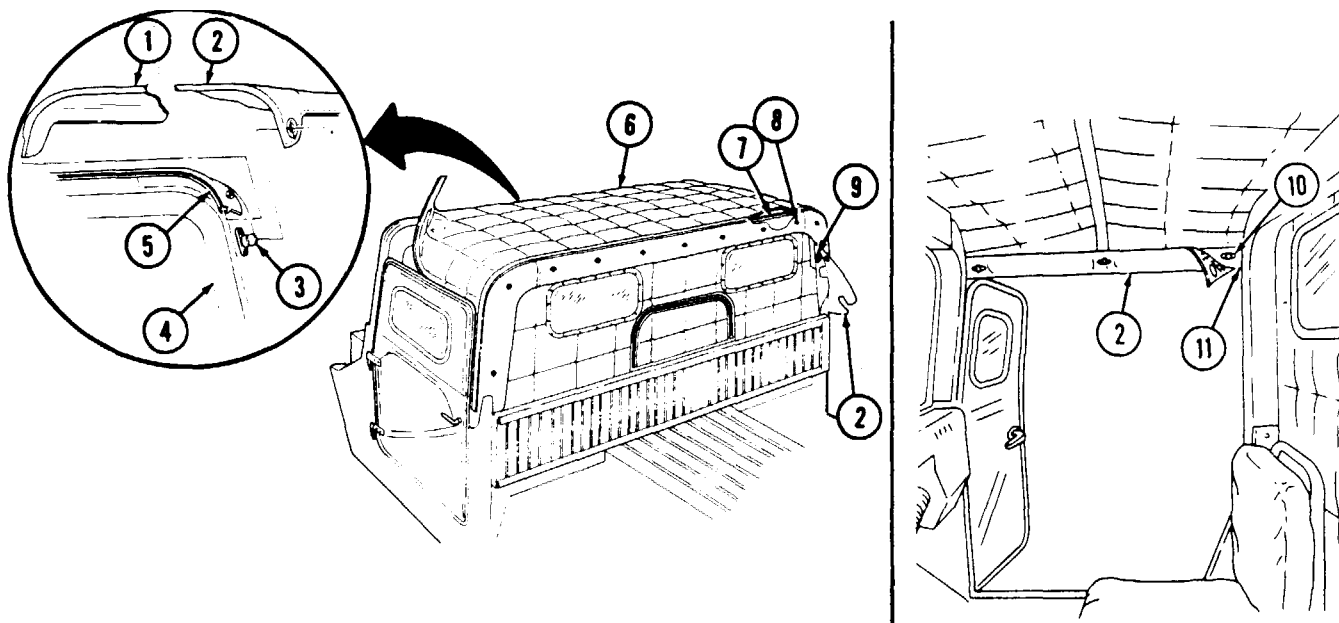
General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

1. Unfasten eleven turnbuttons (8) from top cover (6) and B-pillar (7).
2. Unfasten two turnbuttons (9) from top cover flaps (2) and B-pillar (7).
3. Unfasten six turnbuttons (10) from top cover flaps (2) and horizontal rails (11).
4. Unfasten two turnbuttons (3) from top cover flaps (2) and windshield frame (4).
5. Fold top cover (6) toward front of vehicle and slide front bead (1) of top cover (6) from A-pillar former assembly (5) and remove top cover (6).

b. Installation

1. Install top cover (6) by sliding front bead (1) of top cover (6) into A-pillar former assembly (5).
2. Unfold top cover (6) toward rear of vehicle.
3. Install top cover flaps (2) on horizontal rails (11) with six turnbuttons (10).
4. Install top cover flaps (2) on B-pillar (7) with two turnbuttons (9).
5. Install top cover (6) on B-pillar (7) with eleven turnbuttons (8).
6. Install two top cover flaps (2) on windshield frame (4) with two turnbuttons (3).



12-56. ARCTIC CURTAIN ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

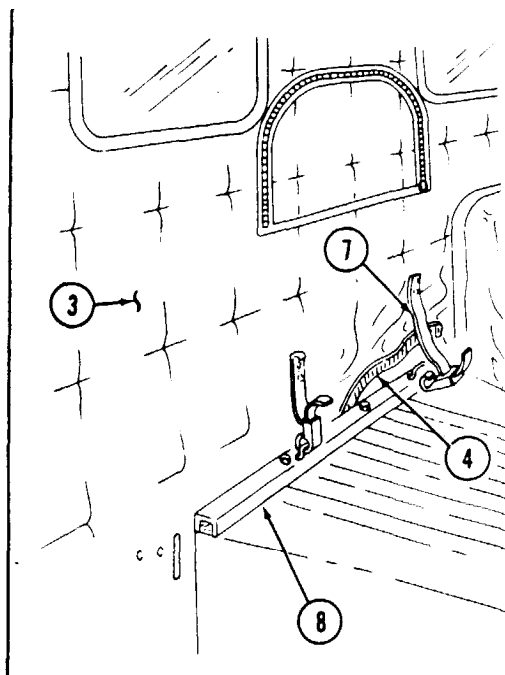
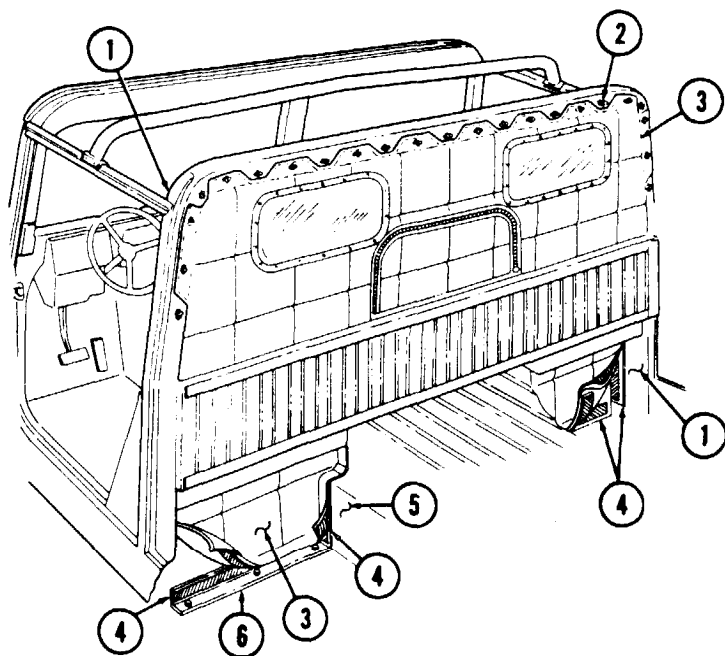
- Companion seat back removed (para. 10-43).
- Arctic top cover assembly removed (para. 12-55).

a. Removal

1. Peel curtain (3) back from fastener tape (4) on angle assembly (6).
2. Release two straps (7), remove curtain (3) from channel assembly (8), and peel curtain (3) back from fastener tape (4) on channel assembly (8).
3. Peel curtain (3) back from fastener tape (4) on tunnel (5) and B-pillar (1).
4. Unfasten twelve turnbuttons (2) and remove curtain (3) from B-pillar (1).

b. Installation

1. Install curtain (3) on B-pillar (1) with twelve turnbuttons (2).
2. Attach curtain (3) to fastener tape (4) on B-pillar (1) and tunnel (5).
3. Attach curtain (3) to fastener tape (4) on channel assembly (8) with two straps (7).
4. Attach curtain (3) to fastener tape (4) on angle assembly (6).



FOLLOW-ON TASKS: • Install arctic top cover assembly (para. 12-55).
• Install companion seat back (para. 10-43).

12-57. ARCTIC CURTAIN ANGLE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive-sealant (Appendix C, Item 10)
Three locknuts (Appendix G, Item 101.8)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

a. Removal

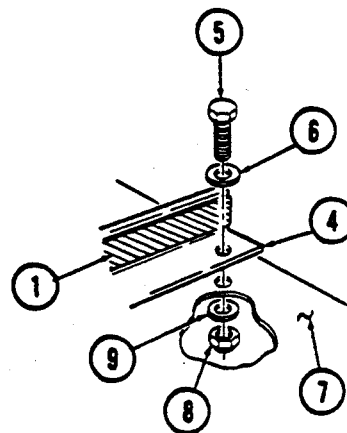
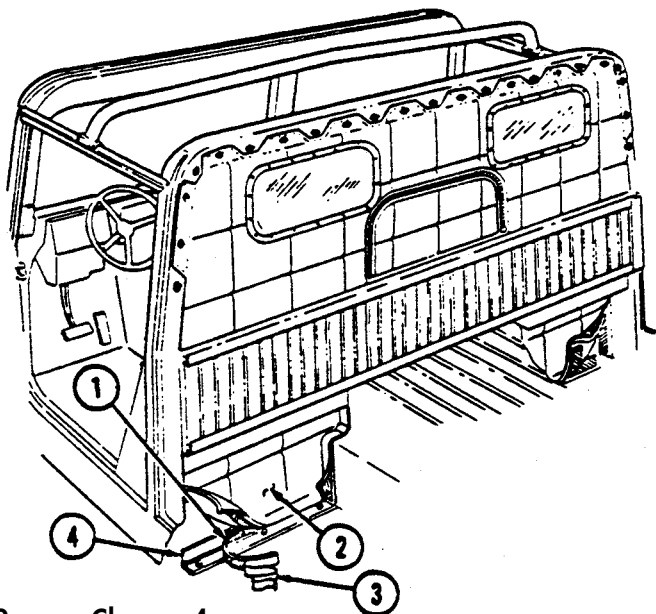
1. Peel curtain (2) back from fastener tape (1) on angle assembly (4).
2. Remove three locknuts (8), washers (9), capscrews (5), washers (6), and angle assembly (4) from cargo floor (7). Discard locknuts (8).
3. Peel fastener tape (1) from angle assembly (4).
4. Clean remaining adhesive from angle assembly (4) surface.

b. Installation

NOTE

Ensure surface is free of dirt and oil before applying adhesive backing.

1. Peel paper backing (3) from fastener tape (1) and install fastener tape (1) to angle assembly (4).
2. Install angle assembly (4) on cargo floor (7) with three washers (6), capscrews (5), washers (9), and locknuts (8). Tighten locknuts (8) to 17 lb-ft (23 N·m).
3. Attach curtain (2) to fastener tape (1) on angle assembly (4).



12-58. ARCTIC WINDOW REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Materials/Parts

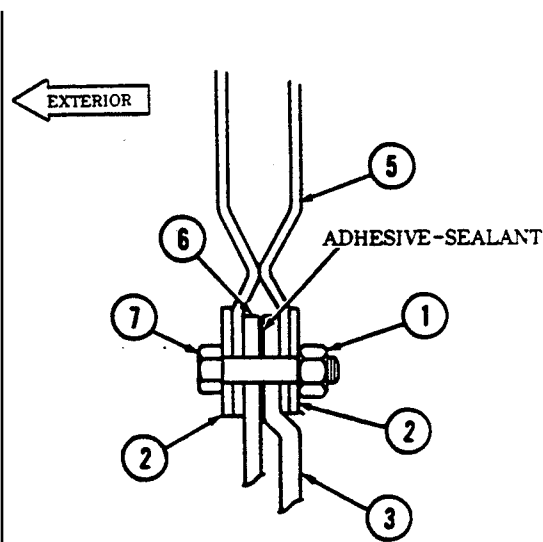
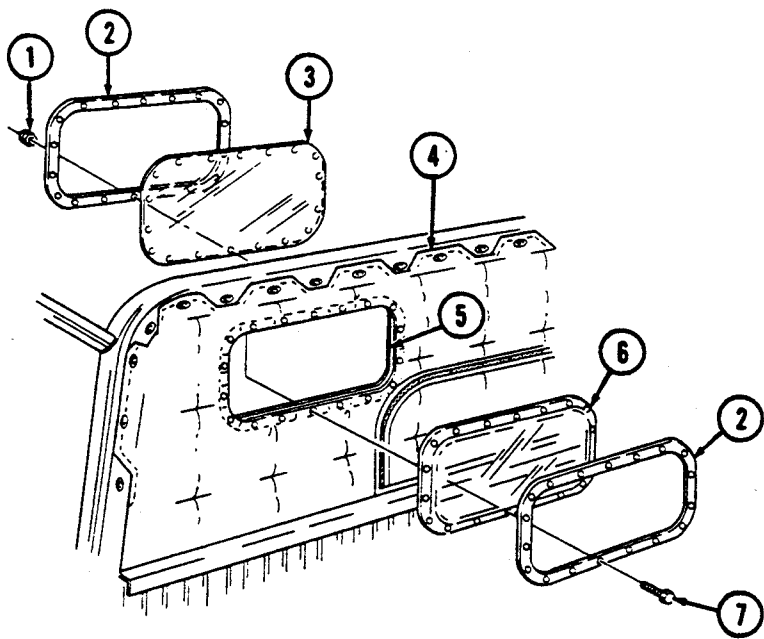
Adhesive-sealant (Appendix C, Item 10)
Eighteen locknuts (Appendix G, Item 101.9)

a. Removal

1. Remove eighteen locknuts (1), screws (7), two retainers (2), inner window (3), and outer window (6) from arctic curtain (4). Discard locknuts (1).
2. Remove adhesive-sealant from edge of outer window (6).

b. Installation

1. Apply adhesive-sealant around edge of outer window (6) between screw holes.
2. Insert outer window (6) into curtain flaps (5), ensuring surface without adhesive-sealant faces outside of vehicle.
3. Insert inner window (3) into curtain flaps (5) from inside of vehicle, and align inner window (3) and outer window (6) screw holes.
4. Secure inner window (3) and outer window (6) to arctic curtain flaps (5) with two retainers (2), eighteen screws (7), and locknuts (1).



12-59. ARCTIC CURTAIN CHANNEL ASSEMBLY REPLACEMENT (2-MAN CREW)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

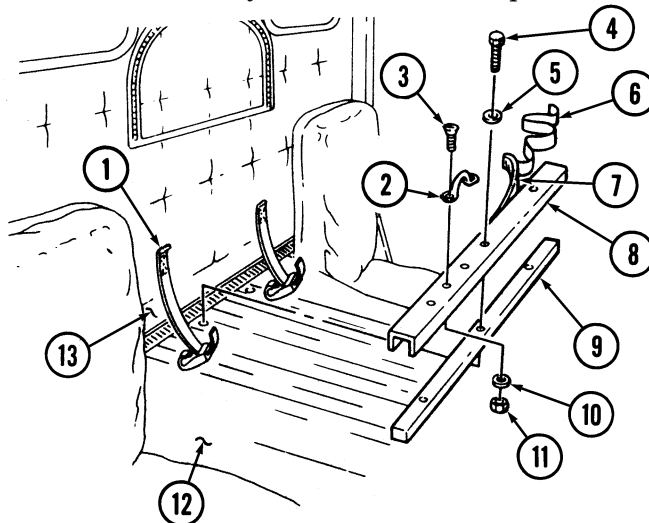
1. Peel curtain (13) back from fastener tape (7) on channel assembly (8).
2. Open two straps (1) from curtain (13) and channel assembly (8).
3. Remove four capscrews (4), washers (5), and channel assembly (8) from cargo floor (12).
4. Peel and remove fastener tape (7) from channel assembly (8).
5. Remove seal (9) from channel assembly (8).
6. Remove four nuts (11), washers (10), screws (3), and two footman loops (2) from channel assembly (8).

b. Installation

NOTE

Ensure surface is free of dirt and oil before applying adhesive backing.

1. Install two footman loops (2) on channel assembly (8) with four screws (3), washers (10), and nuts (11).
2. Install seal (9) into channel assembly (8).
3. Peel paper backing (6) from fastener tape (7) and install fastener tape (7) on channel assembly (8).
4. Install channel assembly (8) on cargo floor (12) with four washers (5) and capscrews (4).
5. Install curtain (13) on channel assembly (8) with two straps (1).
6. Secure curtain (13) to channel assembly (8) with fastener tape (7).



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12-60. ARCTIC CURTAIN CHANNEL ASSEMBLY REPLACEMENT (4-MAN CREW)

This task covers:

- a. Removal
- b. Inspection

c. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Twelve locknuts (Appendix G, Item 98)
Ten locknuts (Appendix G, Item 133)

Manual References

TM 9-2320-387-24P

a. Removal

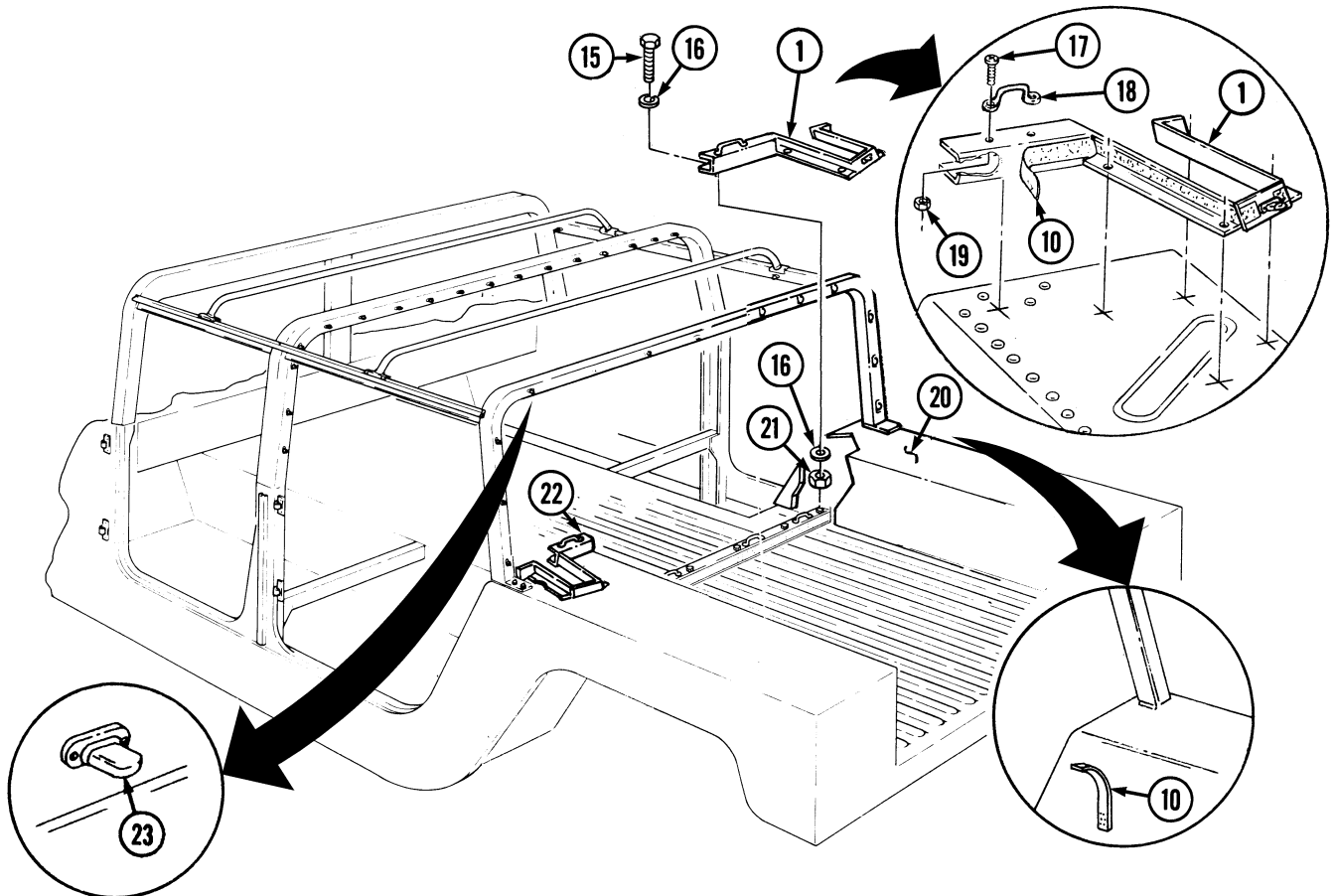
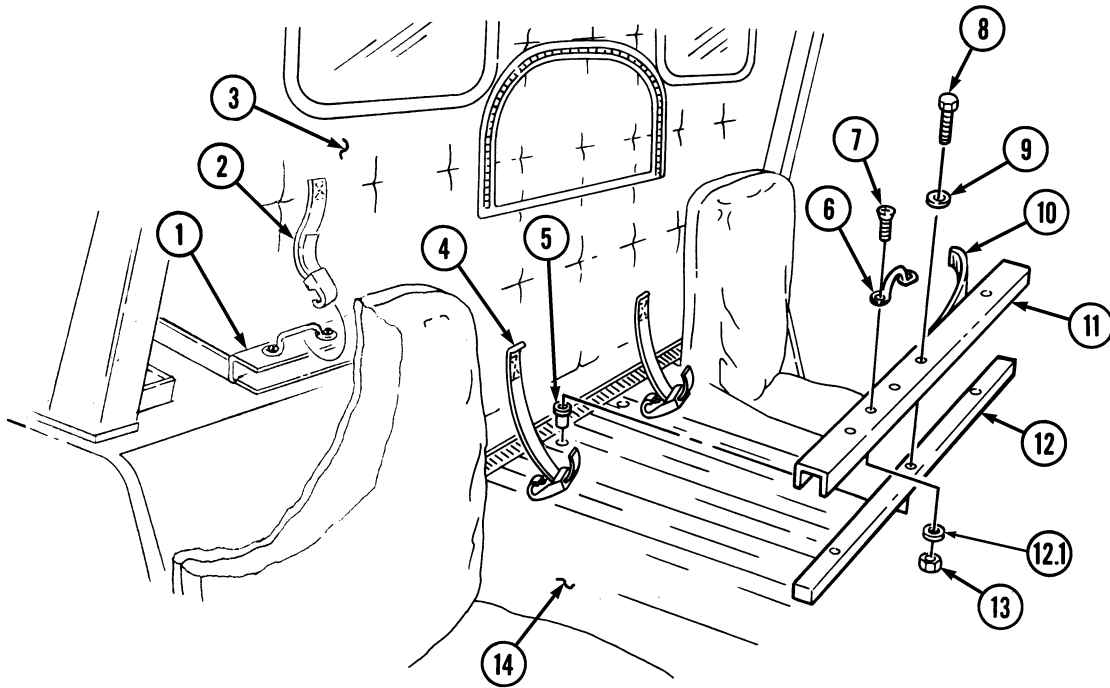
1. Release two straps (2) from curtain (3) and wheelhousing channel assemblies (1) and (22).
2. Release four straps (4) from curtain (3) and cargo floor channel assembly (11).
3. Pull curtain (3) back from fastener tape (10) on wheelhousing channel assemblies (1) and (22), and cargo floor channel assembly (11).
4. Remove six capscrews (8), washers (9), and cargo floor channel assembly (11) from cargo floor (14).
5. Remove seal (12) from cargo floor channel assembly (11).
6. Remove eight locknuts (13), washers (12.1), screws (7), and four footman loops (6) from cargo floor channel assembly (11). Discard locknuts (13).
7. Remove ten locknuts (21), twenty washers (16), ten capscrews (15), and wheelhousing channel assemblies (1) and (22) from wheel housings (20). Discard locknuts (21).
8. Remove four locknuts (19), screws (17), and two footman loops (18) from wheelhousing channel assemblies (1) and (22). Discard locknuts (19).

b. Inspection

1. Inspect thirty-one turnbuttons (23) on soft top for bends, corrosion, or damage. Replace if bent, corroded, or damaged (refer to para. 10-56).
2. Inspect six rivnuts (5) on cargo floor for looseness, cracks, wearing, or damage. Replace if loose, cracked, worn, or damaged (refer to para. 10-56).
3. Inspect fastener tape (10) on wheelhousing channel assemblies (1) and (22) and cargo floor channel assembly (11) for tearing or damage. Replace if torn or damaged (refer to para. 12-61).

c. Installation

1. Install two footman loops (18) on wheelhousing channel assemblies (1) and (22) with four screws (17) and locknuts (19).
2. Install wheelhousing channel assemblies (1) and (22) on wheel housings (20) with twenty washers (16), ten capscrews (15), and locknuts (21).
3. Install four footman loops (6) on cargo floor channel assembly (11) with eight screws (7), washers (12.1), and locknuts (13).
4. Install seal (12) in cargo floor channel assembly (11).
5. Install cargo floor channel assembly (11) on cargo floor (14) with six washers (9) and capscrews (8).
6. Install curtain (3) on wheelhousing channel assemblies (1) and (22) and cargo floor channel assembly (11) with fastener tape (10).
7. Secure curtain (3) to cargo floor channel assembly (11) with four straps (4).
8. Secure curtain (3) to wheelhousing channel assemblies (1) and (22) with two straps (2).

**12-60. ARCTIC CURTAIN CHANNEL ASSEMBLY REPLACEMENT
(4-MAN CREW) (Cont'd)**

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12-61. ARCTIC CURTAIN FASTENER TAPE HOOK REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Arctic curtain assembly removed (para. 12-56).

NOTE

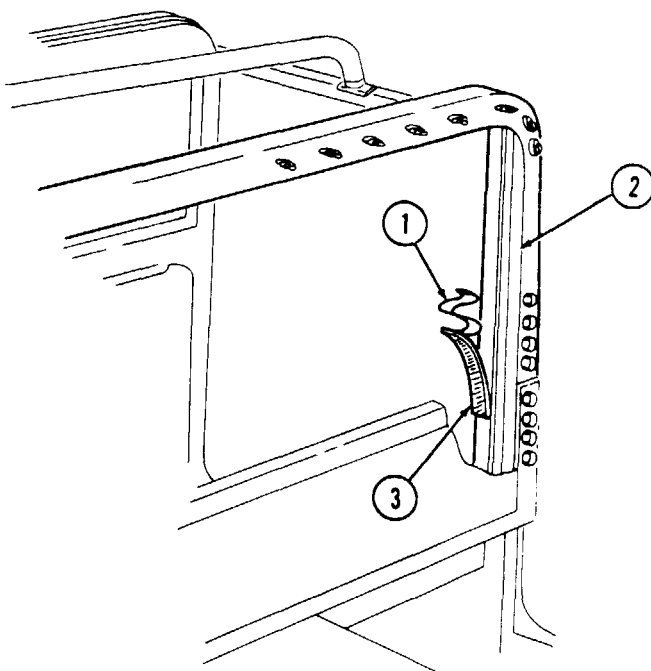
All fastener tape is removed and installed the same. This procedure covers the B-pillar fastener tape.

a. Removal

1. Peel fastener tape (3) from B-pillar (2).
2. Clean remaining adhesive from B-pillar (2).

b. Installation

1. Ensure B-pillar surface (2) is free of dirt and oil.
2. Peel paper backing (1) from fastener tape (3).
3. Apply fastener tape (3) to B-pillar (2) and press firmly in place.



FOLLOW-ON TASK: Install arctic curtain assembly (para. 12-56).

12-62. ARCTIC FOAM INSULATION STRIP REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

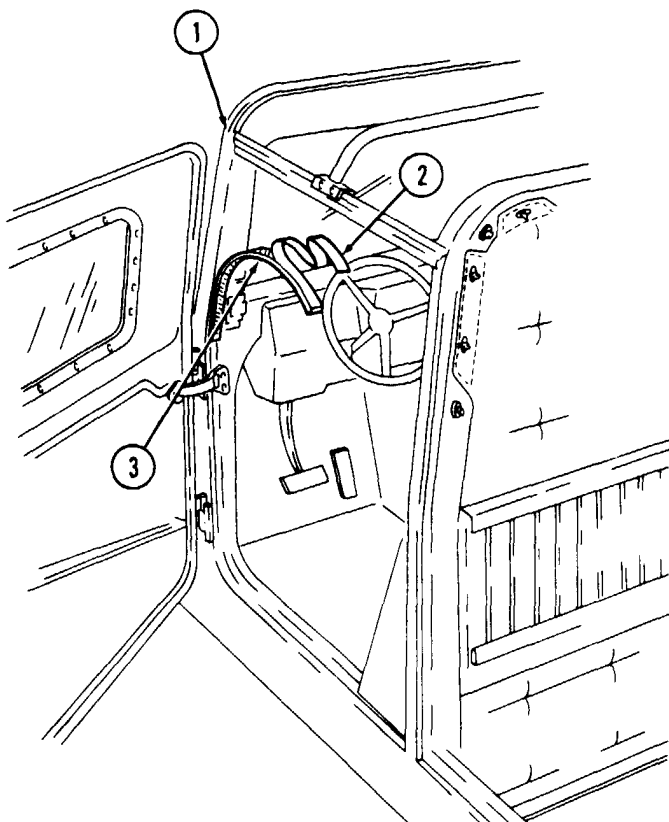
1. Peel foam insulation strip (3) from A-pillar (1).
2. Clean remaining adhesive from A-pillar surface (1).

b. Installation

NOTE

Ensure A-pillar surface is free of dirt and oil before applying foam insulation strip.

1. Peel paper backing (2) from foam insulation strip (3).
2. Install foam insulation strip (3) on A-pillar (1) and press firmly in place.



Section VII. L119 KIT MAINTENANCE

12-63. L119 KIT MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
12-64.	Trailer Connector and Wiring Harness Replacement (L119)	12-100
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12-66.	Rear Bumper Brace Bracket Replacement (L119)	12-103
12-67.	Rear Bumper Outer Brace Replacement (L119)	12-104
12-68.	Rear Bumper Outer Mounting Bracket Replacement (L119)	12-105
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12-70.	Rear Bumper Inner Mounting Bracket Replacement (L119)	12-107
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12-72.	Rear Bumper Lifting Shackle Replacement (L119)	12-109
12-73.	Rear Tiedown Bracket Replacement (L119)	12-110
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12-83.	M60 Machine Gun Strap Replacement (L119)	12-122
12-84.	Camouflage Rack Maintenance (L119)	12-123

12-64. TRAILER CONNECTOR AND WIRING HARNESS REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Battery ground cable disconnected (para. 4-68).

Materials/Parts

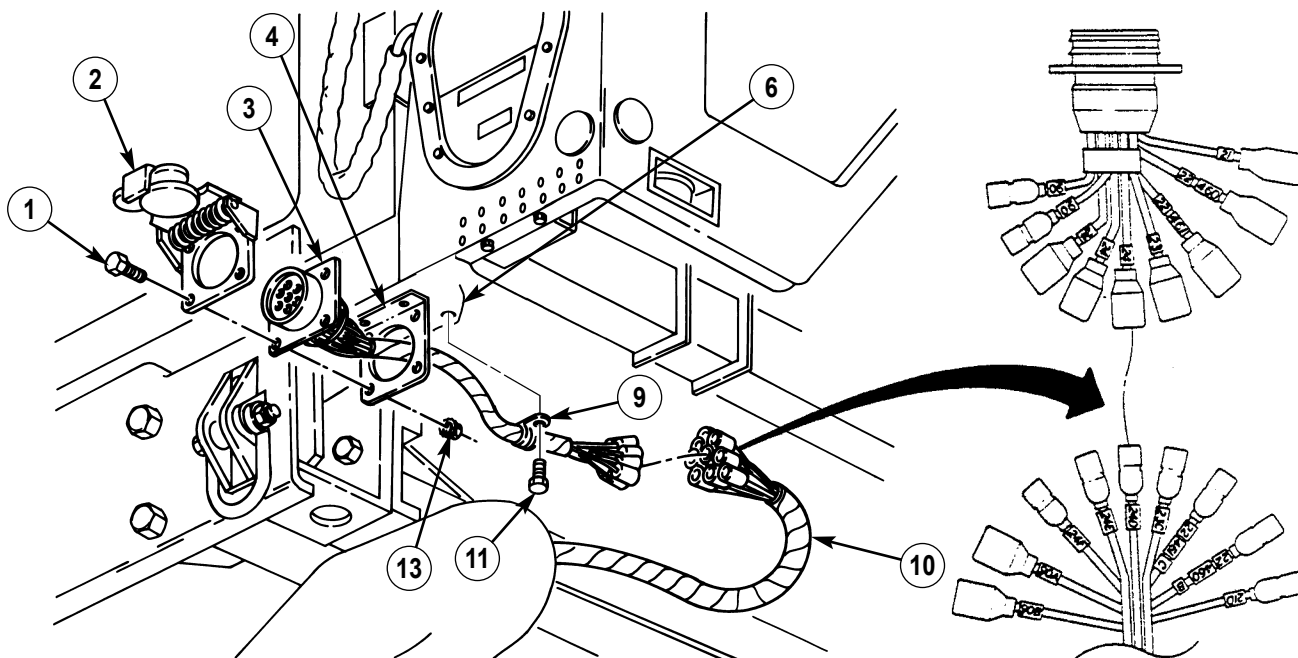
Four assembled locknuts
(Appendix G, Item 134)

NOTE

Prior to removal, tag leads for installation.

a. Removal

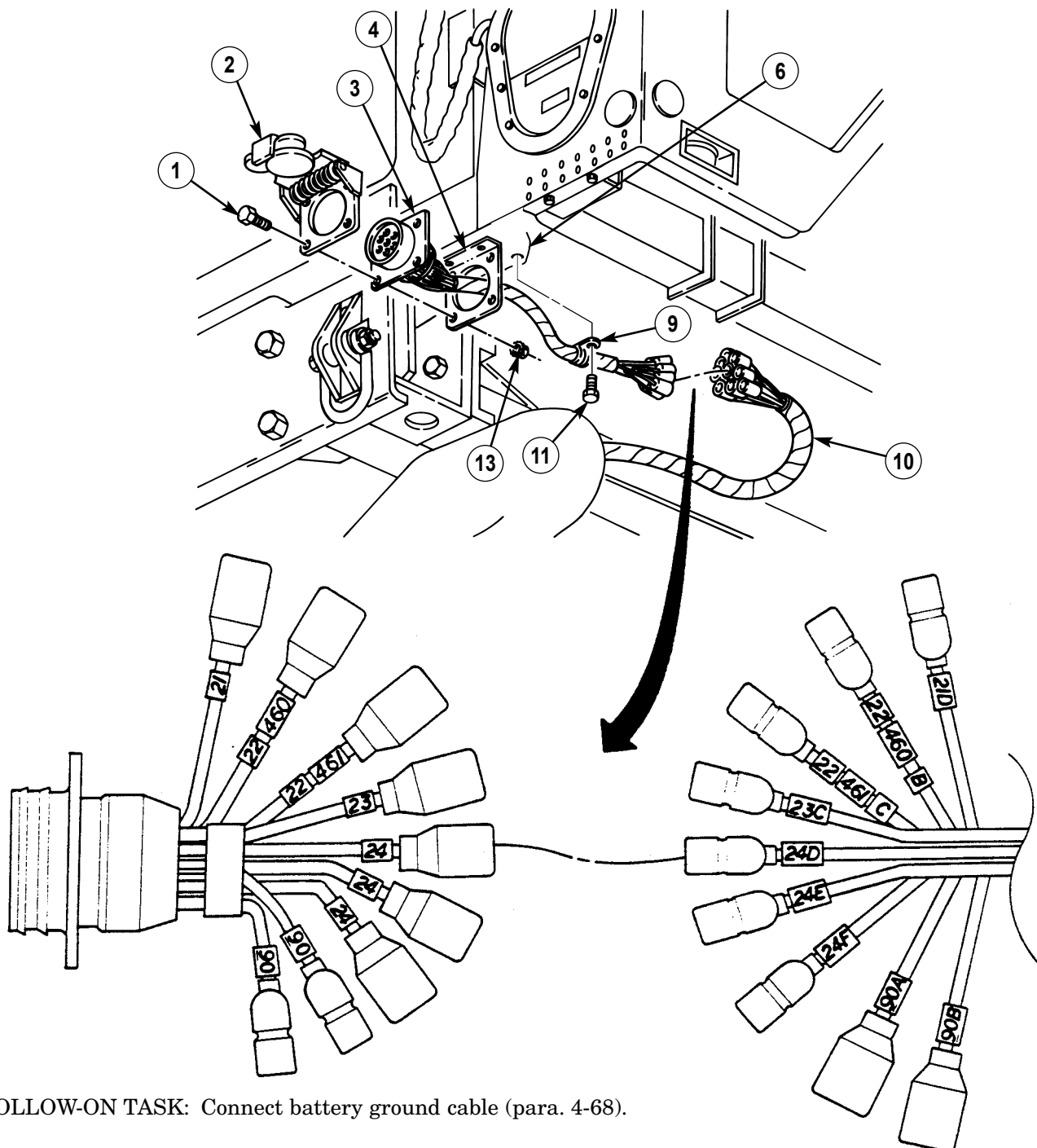
1. Remove four assembled locknuts (13), capscrews (1), and receptacle cover (2) from mounting bracket (4). Discard assembled locknuts (13).
2. Remove screw (11) and clamp (9) from D-beam (6).
3. Disconnect receptacle assembly (3) from body wiring harness (10) and remove receptacle assembly (3).
4. Deleted.



12-64. TRAILER CONNECTOR AND WIRING HARNESS REPLACEMENT (L119) (Cont'd)

b. Installation

1. Feed receptacle assembly (3) leads through bracket (4) and connect receptacle assembly (3) to body wiring harness (10).
2. Install clamp (9) on D-beam (6) with screw (11).
3. Install receptacle assembly (3) and receptacle cover (2) on mounting bracket (4) with four capscrews (1) and assembled locknuts (13).



FOLLOW-ON TASK: Connect battery ground cable (para. 4-68).

12-65. REAR BUMPER REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 85)

Equipment Condition

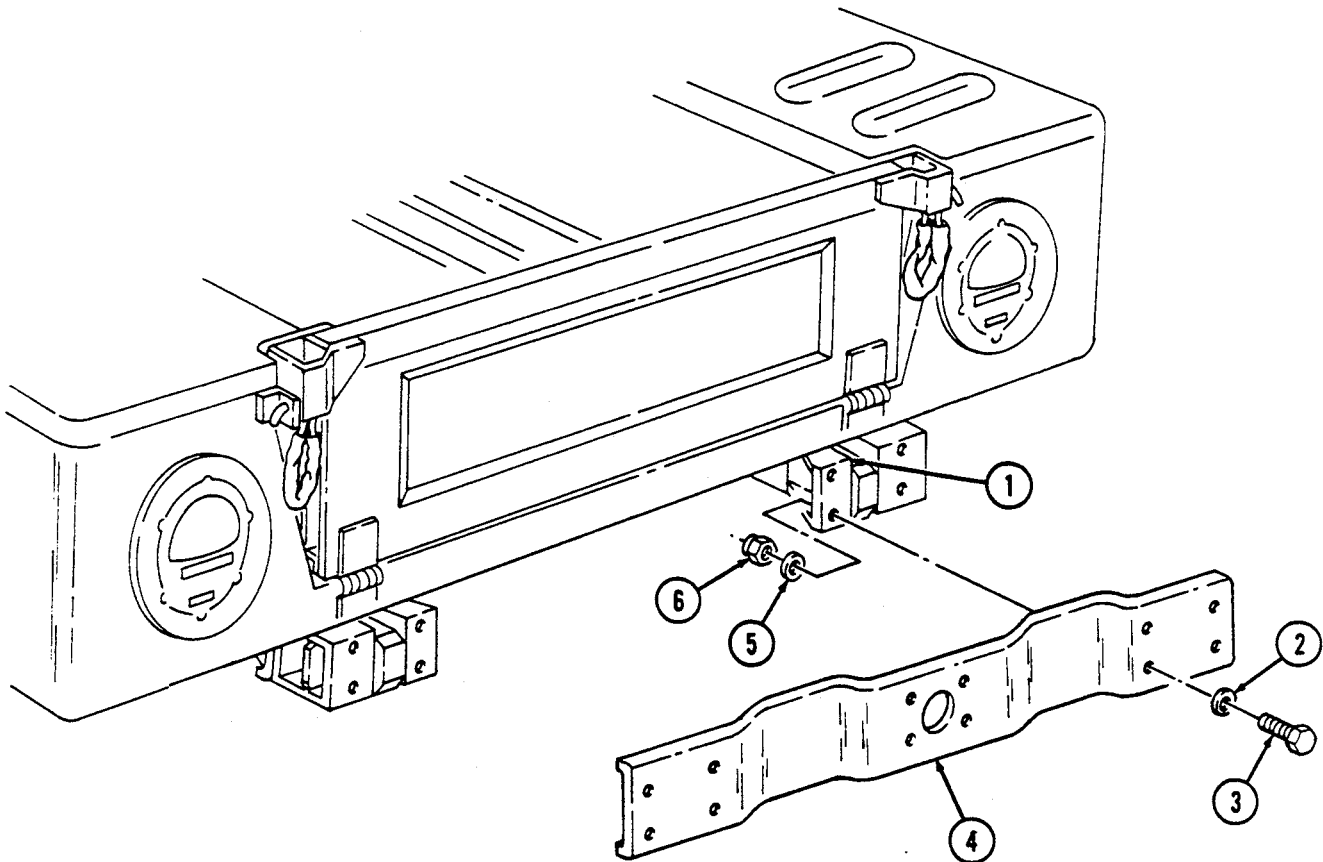
- Towing pintle removed (para. 9-9).
- Rear tiedown brackets (L119) removed (para. 24-12).

a. Removal

Remove four locknuts (6), washers (5), capscrews (3), washers (2), and bumper (4) from two inner mounting brackets (1). Discard locknuts (6).

b. Installation

Install bumper (4) on two inner mounting brackets (1) with four washers (2), capscrews (3), washers (5), and locknuts (6). Tighten locknuts (6) to 90 lb-ft (122 N•m).



FOLLOW-ON TASKS:

- Install rear tiedown brackets (L119) (para. 24-12).
- Install towing pintle (para. 9-9).

12-66. REAR BUMPER BRACE BRACKET REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

- Pioneer tool stowage rack removed (TM 9-2320-387-10).
- Towing pintle removed (para. 9-9).

Materials/Parts

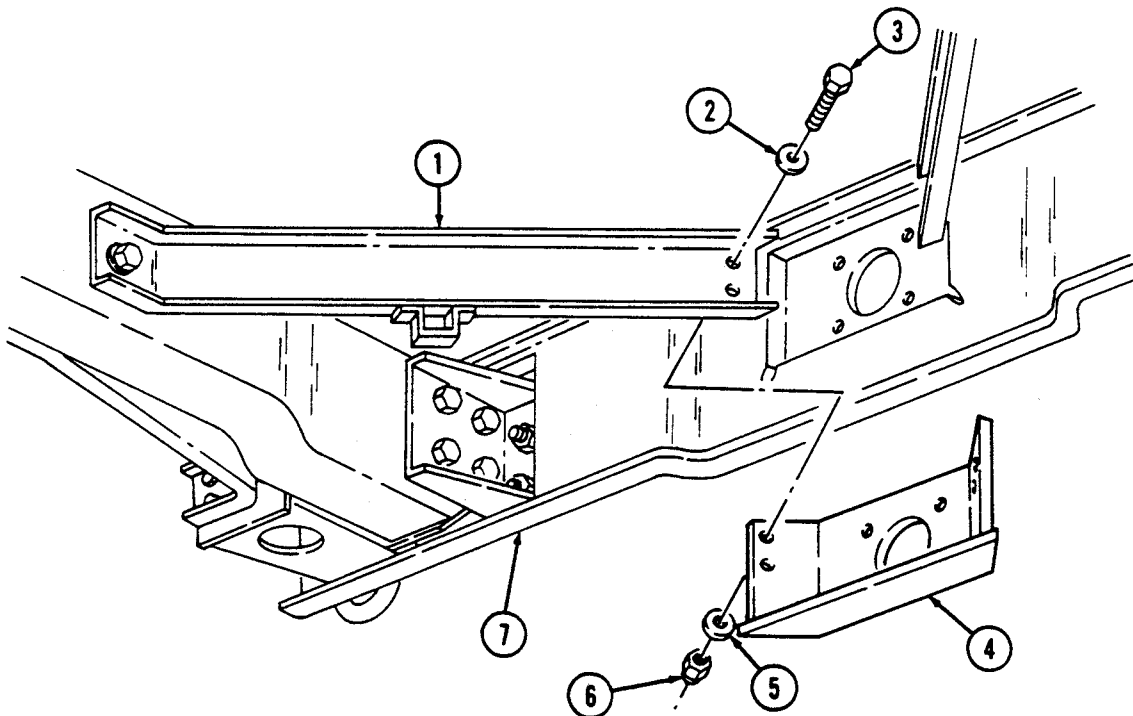
Four locknuts (Appendix G, Item 85)

a. Removal

Remove four locknuts (6), washers (5), capscrews (3), washers (2) and brace bracket (4) from rear bumper (7) and two inner braces (1). Discard locknuts (6).

b. Installation

1. Install brace bracket (4) on rear bumper (7) and two inner braces (1).
2. Secure brace bracket (4) to two inner braces (1) with four washers (2), capscrews (3), washers (5), and locknuts (6). Tighten locknuts (6) to 90 lb-ft (122 N•m).



FOLLOW-ON TASKS:

- Install towing pintle (para. 9-9).
- Install pioneer tool stowage rack (TM 9-2320-387-10).

12-67. REAR BUMPER OUTER BRACE REPLACEMENT (L119)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Three locknuts (Appendix G, Item 85)

Manual References

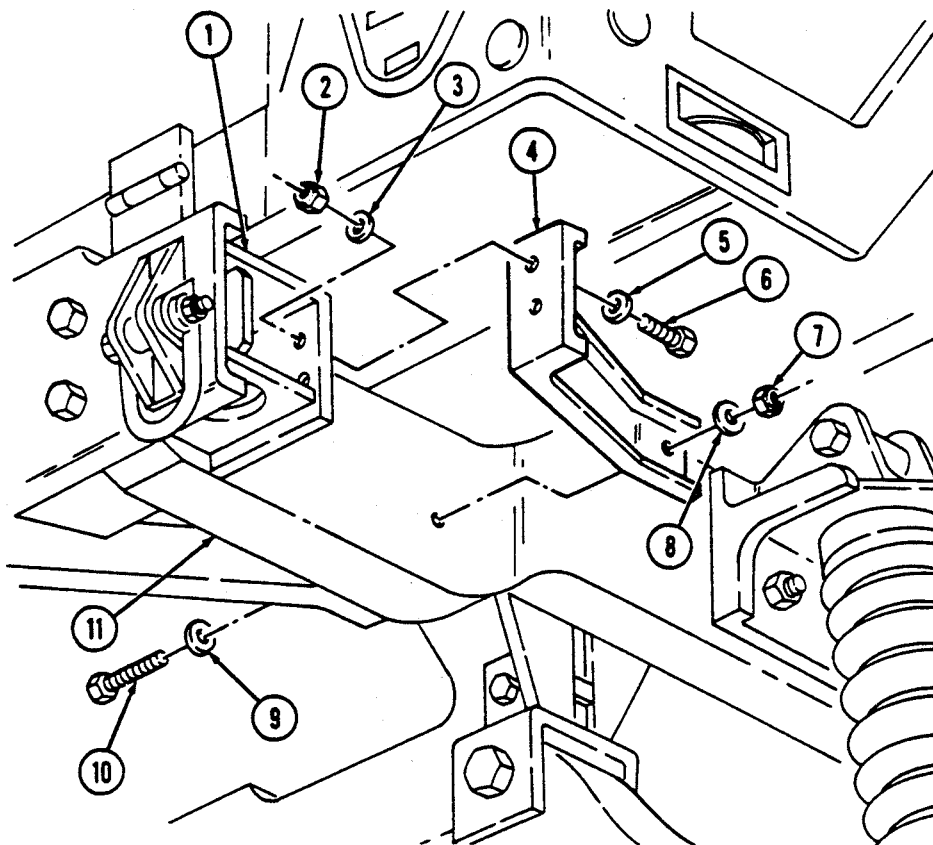
TM 9-2320-387-24P

a. Removal

1. Remove locknut (7), washer (8), capscrew (10), and washer (9) from outer brace (4) and frame (11). Discard locknut (7).
2. Remove two locknuts (2), washers (3), capscrews (6), washers (5), and outer brace (4) from outer mounting bracket (1). Discard locknuts (2).

b. Installation

1. Install outer brace (4) on outer mounting bracket (1) with two washers (5), capscrews (6), washers (3), and locknuts (2). Tighten locknuts (2) to 90 lb-ft (122 N•m).
2. Install outer brace (4) on frame (11) with washer (9), capscrew (10), washer (8), and locknut (7). Tighten locknut (7) to 90 lb-ft (122 N•m).



12-68. REAR BUMPER OUTER MOUNTING BRACKET REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Rear tiedown bracket removed (para. 12-73).

Materials/Parts

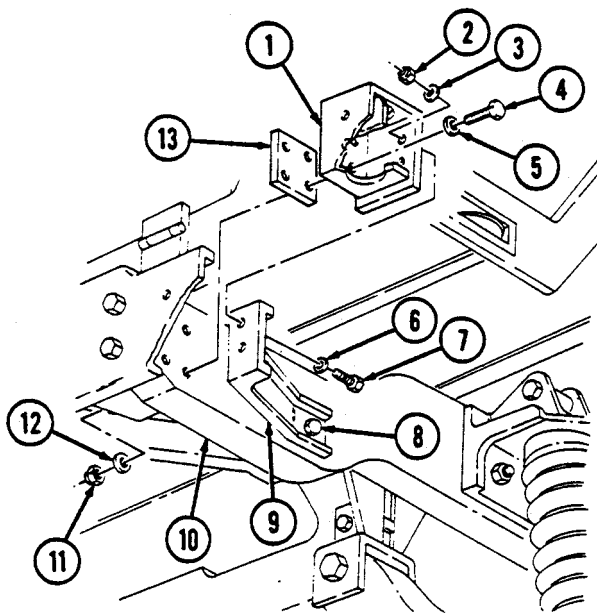
Six locknuts (Appendix G, Item 85)

a. Removal

1. Remove two locknuts (2), washers (3), capscrews (7), and washers (6) from outer mounting bracket (1) and outer brace (9). Discard locknuts (2).
2. Loosen locknut (8) from outer brace (9) and frame (10).
3. Remove four locknuts (11), washers (12), capscrews (4), washers (5), outer mounting bracket (1) and spacer (13) from frame (10). Discard locknuts (11).

b. Installation

1. Install outer mounting bracket (1) and spacer (13) on frame (10) with four washers (5), capscrews (4), washers (12), and locknuts (11). Tighten locknuts (11) to 90 lb-ft (122 N•m).
2. Install outer mounting bracket (1) on outer brace (9) with two washers (6), capscrews (7), washers (3), and locknuts (2). Tighten locknuts (2) to 90 lb-ft (122 N•m).
3. Tighten locknut (8) on outer brace (9) to 90 lb-ft (122 N•m).



FOLLOW-ON TASKS: Install rear tiedown bracket (para. 12-73).

12-69. REAR BUMPER INNER BRACE REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Three locknuts (Appendix G, Item 85)

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Equipment Condition

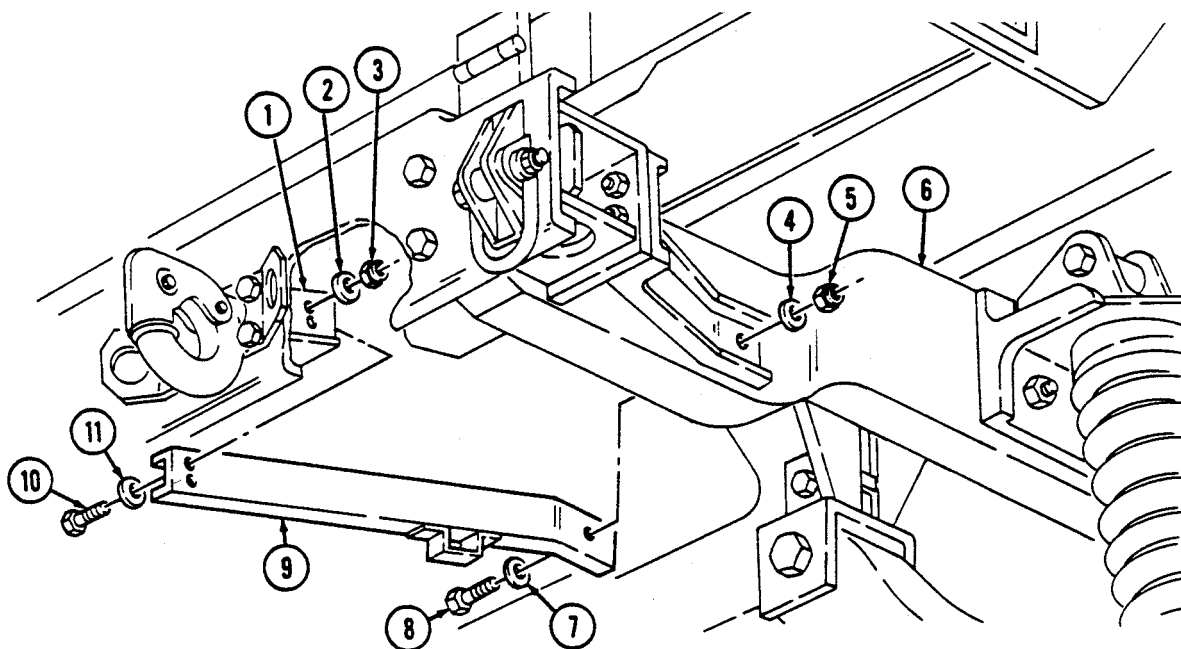
- Pioneer tool stowage rack removed (TM 9-2320-387-10).
- Pioneer tool stowage rack latch strike removed (para. 12-71).

a. Removal

1. Remove locknut (5), washer (4), capscrew (8), and washer (7) from inner brace (9) and frame (6). Discard locknut (5).
2. Remove two locknuts (3), washers (2), capscrews (10), washers (11), and inner brace (9) from brace bracket (1). Discard locknuts (3).

b. Installation

1. Install inner brace (9) on brace bracket (1) with two washers (11), capscrews (10), washers (2), and locknuts (3). Tighten locknuts (3) to 90 lb-ft (122 N•m).
2. Install inner brace (9) on frame (6) with washer (7), capscrew (8), washer (4), and locknut (5). Tighten locknut (5) to 90 lb-ft (122 N•m).



FOLLOW-ON TASKS:

- Install pioneer tool stowage rack latch strike (para. 12-71).
- Install pioneer tool stowage rack (TM 9-2320-387-10).

12-70. REAR BUMPER INNER MOUNTING BRACKET REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Pioneer tool stowage rack removed
(TM 9-2320-387-10).

Materials/Parts

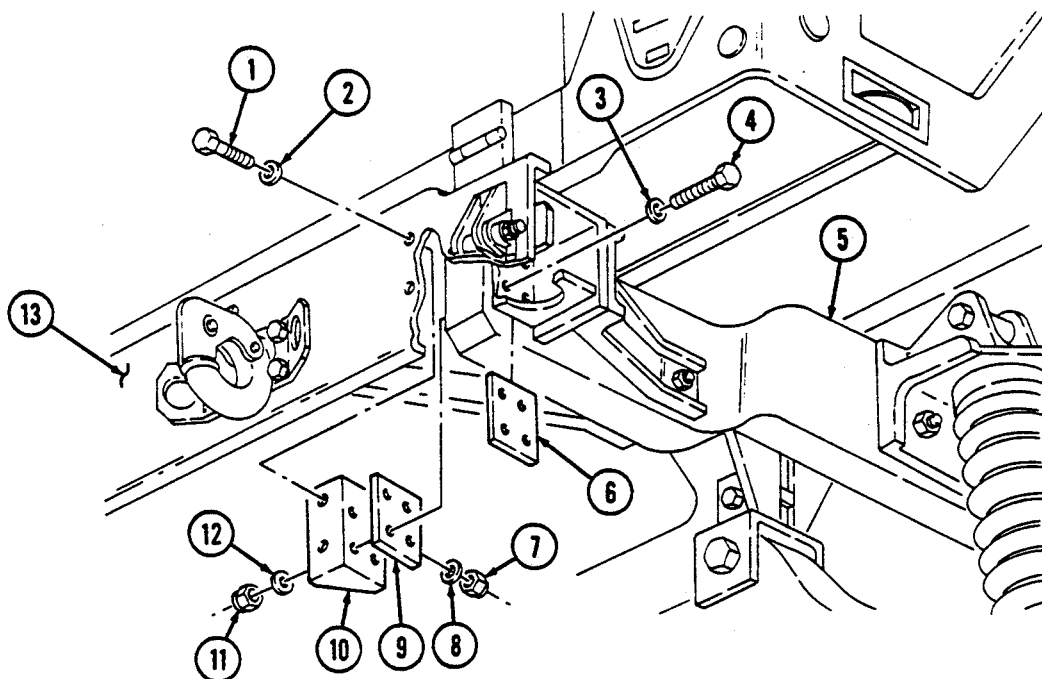
Six locknuts (Appendix G, Item 85)

a. Removal

1. Remove two locknuts (7), washers (8), capscrews (1), and washers (2) from inner mounting bracket (10) and bumper (13). Discard locknuts (7).
2. Remove four locknuts (11), washers (12), capscrews (4), washers (3), inner mounting bracket (10), and spacers (9) and (6) from frame (5).

b. Installation

1. Install inner mounting bracket (10) and spacers (9) and (6) on frame (5) with four washers (3), capscrews (4), washers (12), and locknuts (11). Tighten locknuts (11) to 90 lb-ft (122 N•m).
2. Install inner mounting bracket (10) on bumper (13) with two washers (2), capscrews (1), washers (8), and locknuts (7). Tighten locknuts (7) to 90 lb-ft (122 N•m).



FOLLOW-ON TASK: Install pioneer stowage rack (TM 9-2320-387-10).

12-71. PIONEER TOOL STOWAGE RACK LATCH STRIKER REPLACEMENT (L119)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two lockwashers (Appendix G, Item 149)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

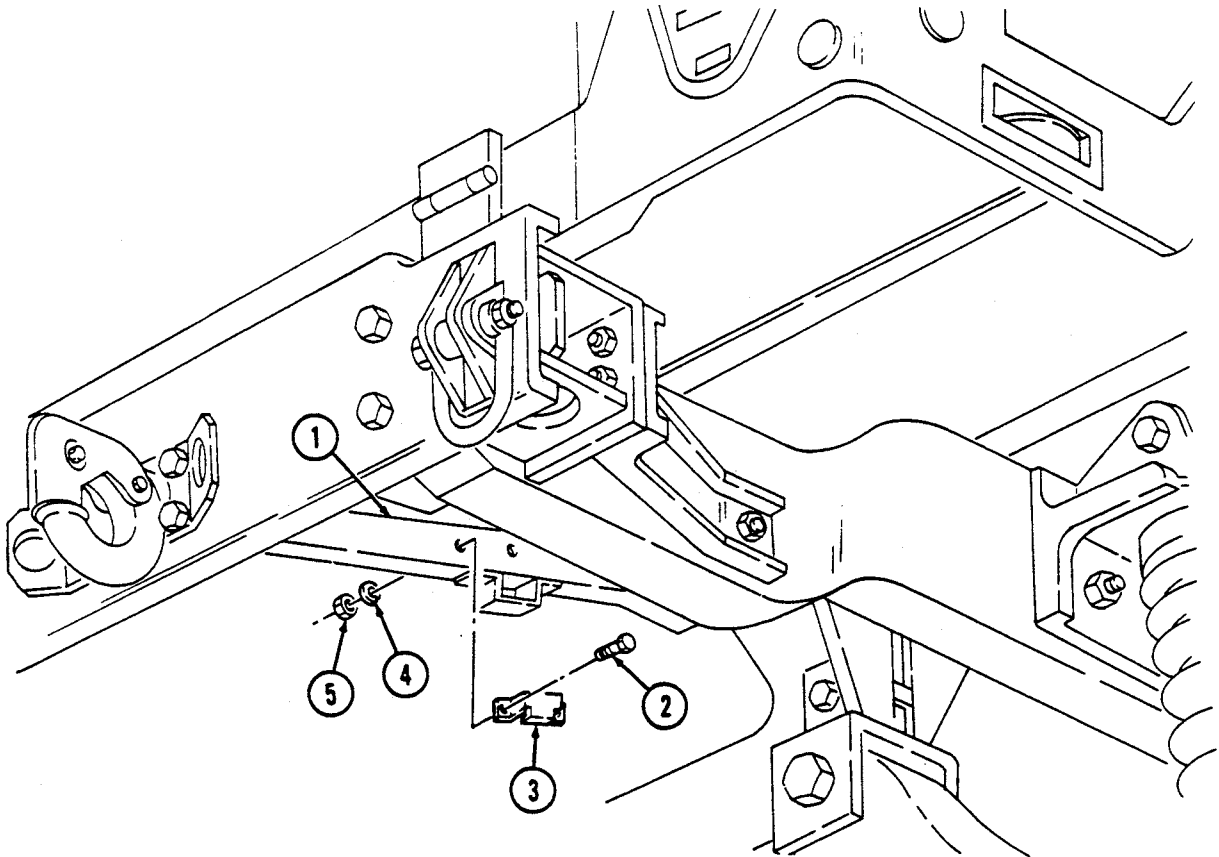
Pioneer tool stowage rack removed
(TM 9-2320-387-10).

a. Removal

Remove two nuts (5), lockwashers (4), screws (2), and latch striker (3) from rear bumper inner brace (1). Discard lockwashers (4).

b. Installation

Install latch striker (3) on rear bumper inner brace (1) with two screws (2), lockwashers (4), and nut (5).



FOLLOW-ON TASK: Install pioneer tool stowage rack (TM 9-2320-387-10).

12-72. REAR BUMPER LIFTING SHACKLE REPLACEMENT (L119)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Cotter pin (Appendix G, Item 22)

Manual References

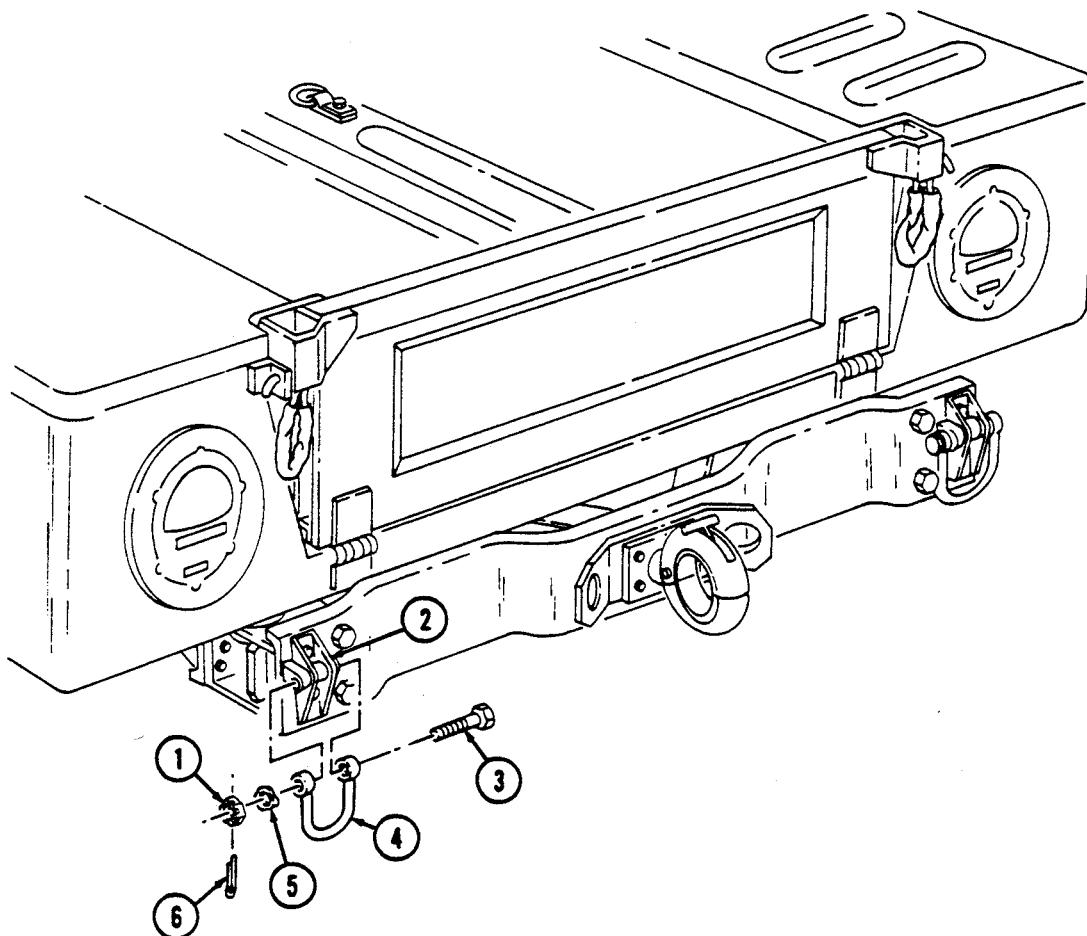
TM 9-2320-387-24P

a. Removal

Remove cotter pin (6), slotted nut (1), spring washer (5), capscrew (3), and shackle (4) from tiedown bracket (2). Discard cotter pin (6).

b. Installation

1. Install shackle (4) on tiedown bracket (2) with capscrew (3), spring washer (5), and slotted nut (1). Tighten slotted nut (1) enough to allow movement of shackle (4).
2. Install cotter pin (6) on slotted nut (1).



12-73. REAR TIEDOWN BRACKET REPLACEMENT (L119)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 85)

Manual References

TM 9-2320-387-24P

Equipment Condition

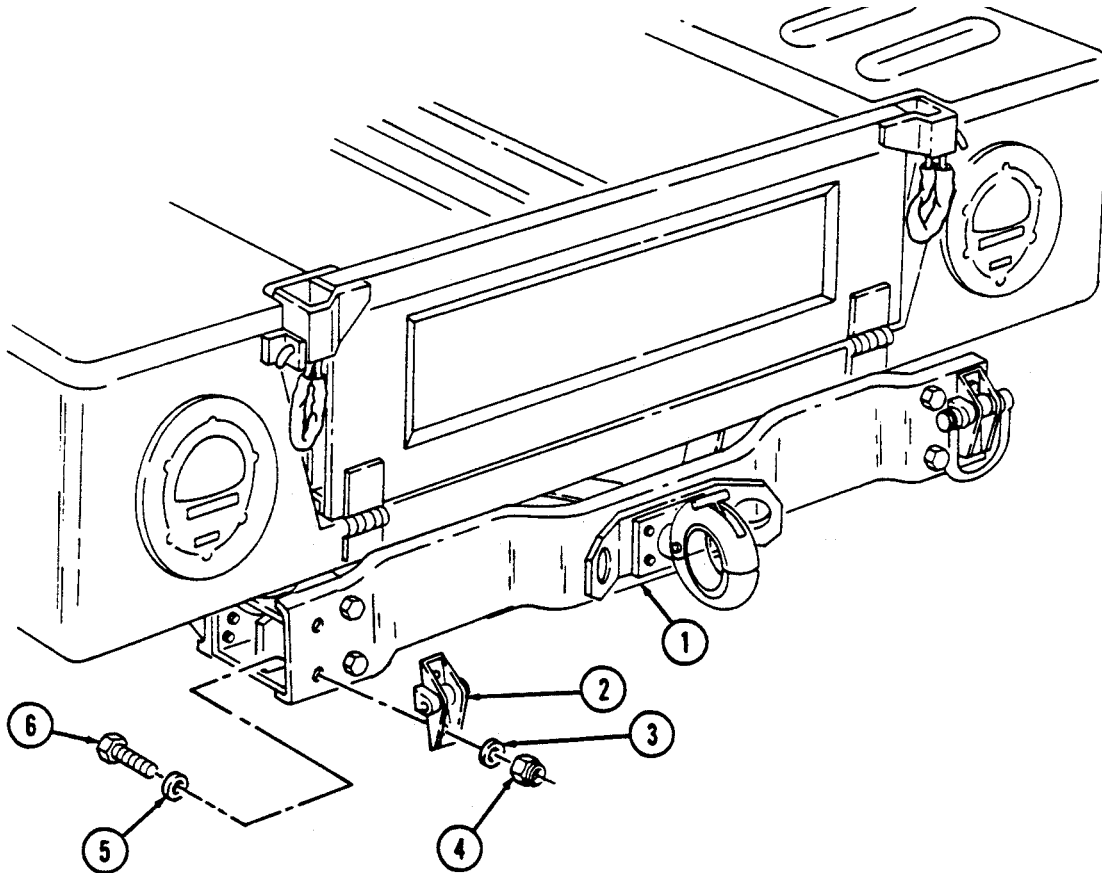
Rear bumper lifting shackle (L119) removed
(para. 12-72).

a. Removal

Remove two locknuts (4), washers (3), capscrews (6), washers (5), and tiedown bracket (2) from rear bumper (1).

b. Installation

Install tiedown bracket (2) on rear bumper (1) with two washers (5), capscrews (6), washers (3), and locknuts (4). Tighten locknuts (4) to 90 lb-ft (122 N•m).



FOLLOW-ON TASK: Install rear bumper lifting shackle (L119) (para. 12-72).

12-74. AMMO TIEDOWN STRAP REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 77)

Manual References

TM 9-2320-387-24P

Personnel Required

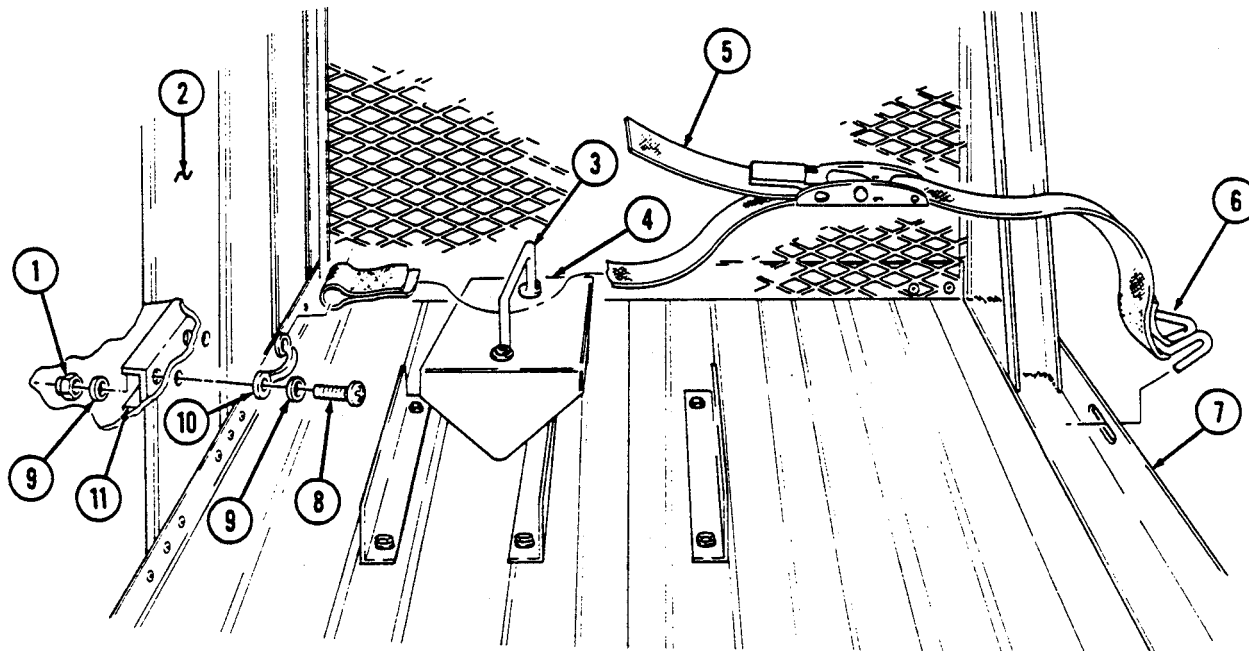
One mechanic
One assistant

a. Removal

1. Remove two locknuts (1), washers (9), reinforcement (11), screws (8), washers (9), and footman loop (10) from strap (5) and wheelhouse (2). Discard locknuts (1).
2. Slide strap (5) through footman loop (3) on wedge (4).
3. Remove strap hook (6) from slot in ammo rack assembly (7) and remove strap (5).

b. Installation

1. Slide strap (5) on footman loop (10). Install footman loop (10) and strap (5) on wheelhouse (2) with two washers (9), screws (8), reinforcement (11), washers (9), and locknuts (1).
2. Install strap (5) through footman loop (3) on wedge (4).
3. Attach strap hook (6) to slot in ammo rack assembly (7).



12-75. AMMO DIVIDER REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

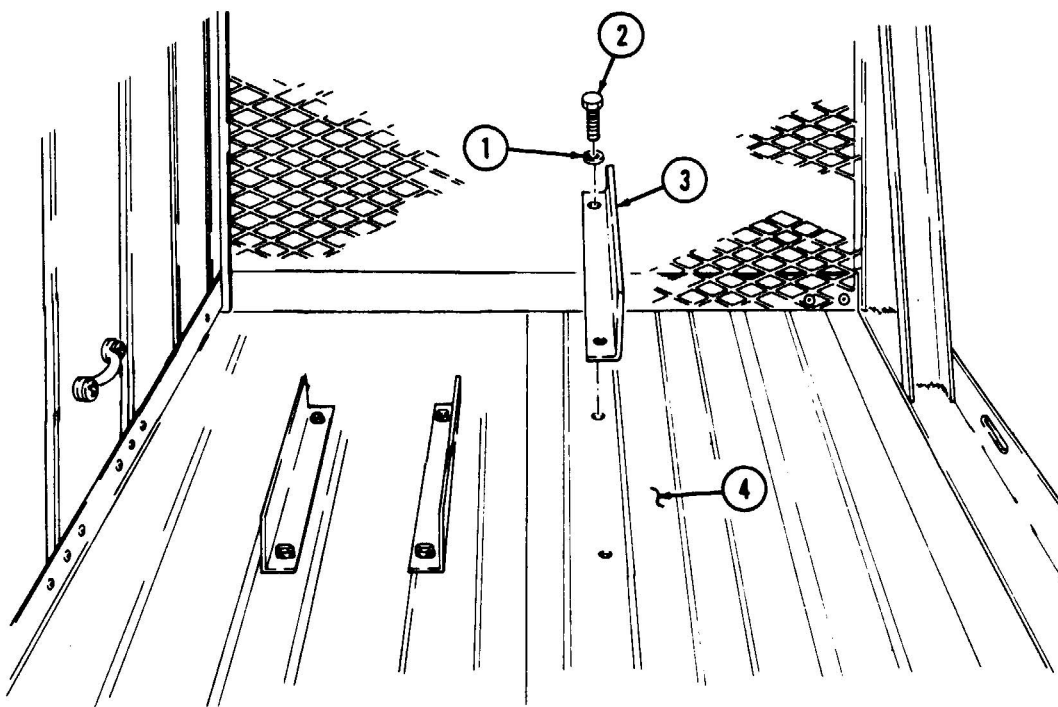
Ammo tiedown strap removed (para. 12-74).

a. Removal

Remove two capscrews (2), washers (1), and ammo divider (3) from cargo floor (4).

b. Installation

Install ammo divider (3) on cargo floor (4) with two washers (1) and capscrews (2).



FOLLOW-ON TASK: Install ammo tiedown strap (para. 12-74).

12-76. TELEPHONE STRAP REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 101.7)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Troop seat (R.H.) raised (TM 9-2320-387-10).

NOTE

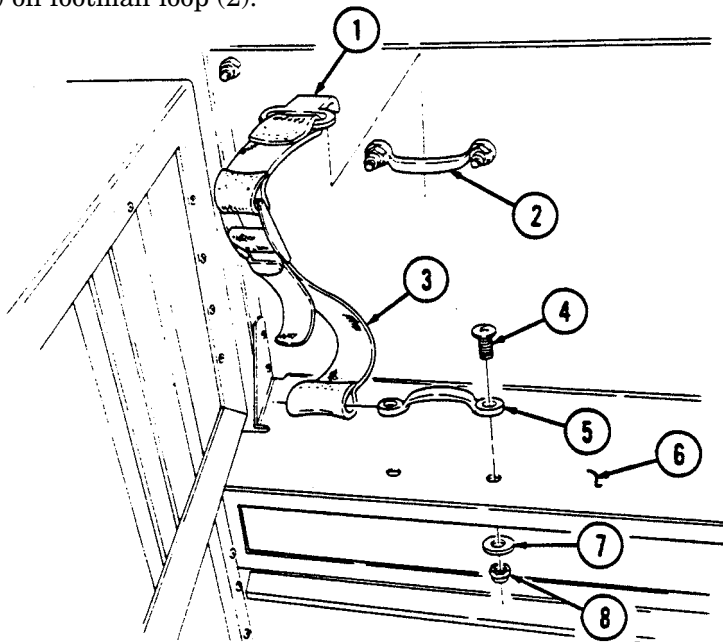
The telephone strap, remote strap, and cable reel strap are replaced basically the same. This procedure covers the telephone strap replacement.

a. Removal

1. Remove two locknuts (8), washers (7), screws (4), footman loop (5), and strap (3) from fixed door (6). Discard locknuts (8).
2. Remove strap hook (1) from footman loop (2) and remove strap (3).

b. Installation

1. Slide strap (3) onto footman loop (5). Install footman loop (5) and strap (3) on fixed door (6) with two screws (4), washers (7), and locknuts (8).
2. Attach strap hook (1) on footman loop (2).



FOLLOW-ON TASK: Lower right troop seat (TM 9-2320-387-10).

12-77. SECTION CHEST STRAP REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

NOTE

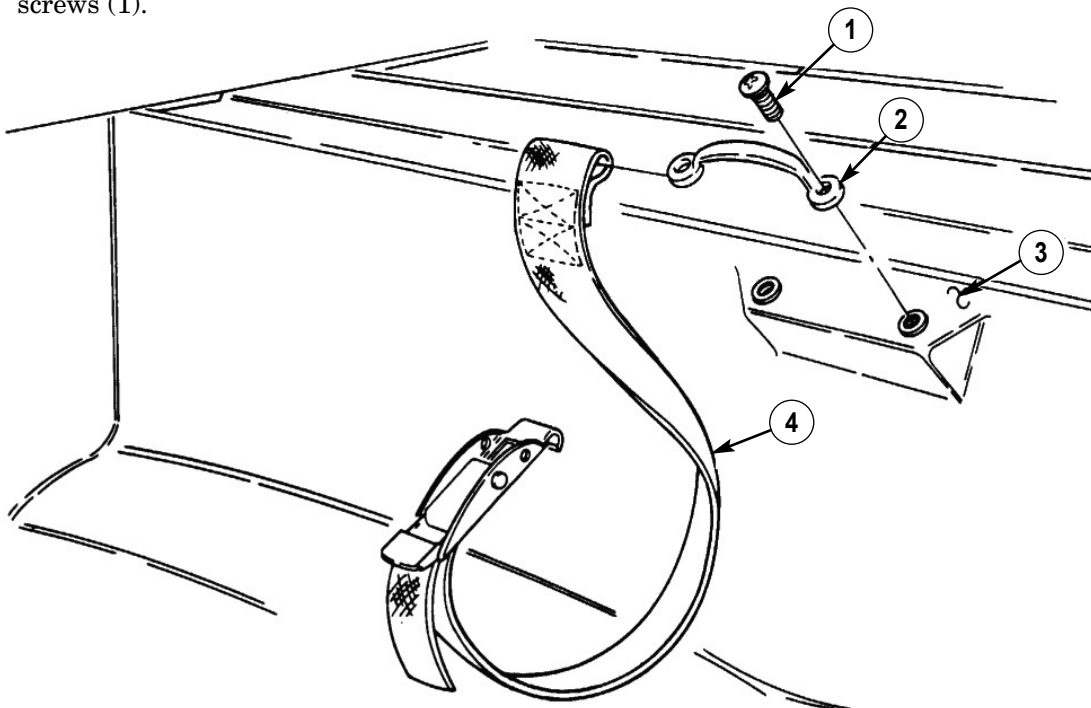
The section chest straps, aiming post straps, and spade straps are replaced basically the same. This procedure covers the section chest strap.

a. Removal

Remove two screws (1), footman loop (2), and strap (4) from body (3) and remove footman loop (2) from strap (4).

b. Installation

Slide strap (4) onto footman loop (2). Install footman loop (2) and strap (4) on body (3) with two screws (1).



12-78. TRIPOD STRAP REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Troop seat (R.H.) raised (TM 9-2320-387-10).

Materials/Parts

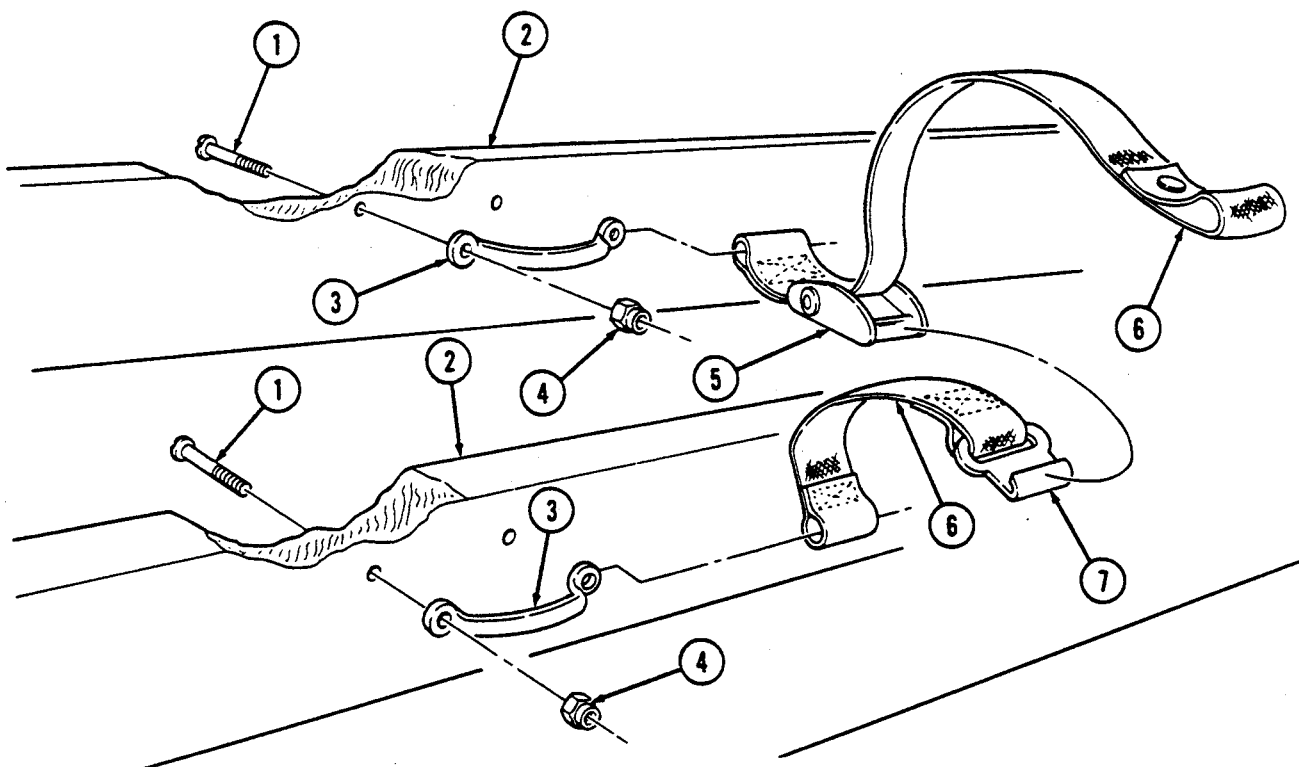
Four locknuts (Appendix G, Item 89)

a. Removal

1. Remove strap hook (7) from strap buckle (5).
2. Remove four locknuts (4), screws (1), two footman loops (3), and straps (6) from troop seat (2). Discard locknuts (4).

b. Installation

1. Slide straps (6) onto two footman loops (3). Install footman loops (3) and straps (6) on troop seat (2) with four screws (1) and locknuts (4).
2. Attach strap hook (7) on strap buckle (5).



FOLLOW-ON TASK: Lower right troop seat (TM 9-2320-387-10).

12-79. GUN DISPLAY UNIT BATTERY STRAP REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 89)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Left troop seat raised (TM 9-2320-387-10).

NOTE

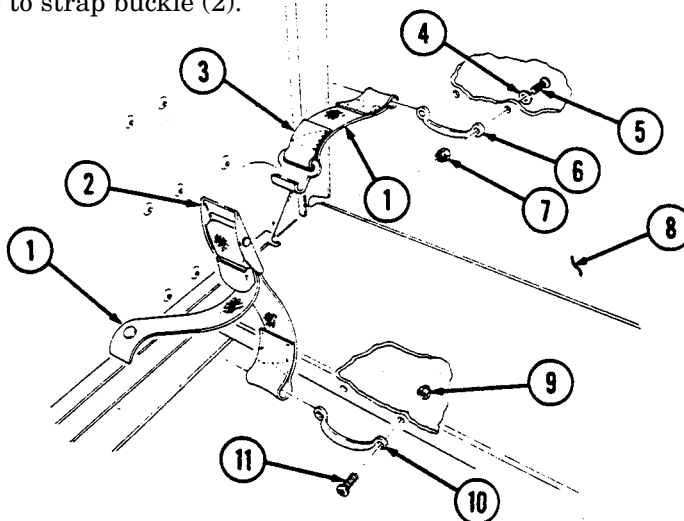
The G.D.U. battery strap and G.D.U. strap are replaced basically the same. This procedure covers the G.D.U. battery strap.

a. Removal

1. Remove strap hook (3) from strap buckle (2).
2. Remove two locknuts (7), screws (5), washers (4), footman loop (6), and strap (1) from fixed door (8). Discard locknuts (7).
3. Remove two locknuts (9), screws (11), footman loop (10), and strap (1) from fixed door (8). Discard locknuts (9).

b. Installation

1. Slide strap (1) onto footman loop (6). Install footman loop (6) and strap (1) on fixed door (8) with two washers (4), screws (5), and locknuts (7).
2. Slide strap (1) onto footman loop (10). Install footman loop (10) and strap (1) on fixed door (8) with two screws (11) and locknuts (9).
3. Attach strap hook (3) to strap buckle (2).



FOLLOW-ON TASK: Lower left troop seat (TM 9-2320-387-10).

12-80. SIGHT BOX STRAPS REPLACEMENT (L119)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Six locknuts (Appendix G, Item 89)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

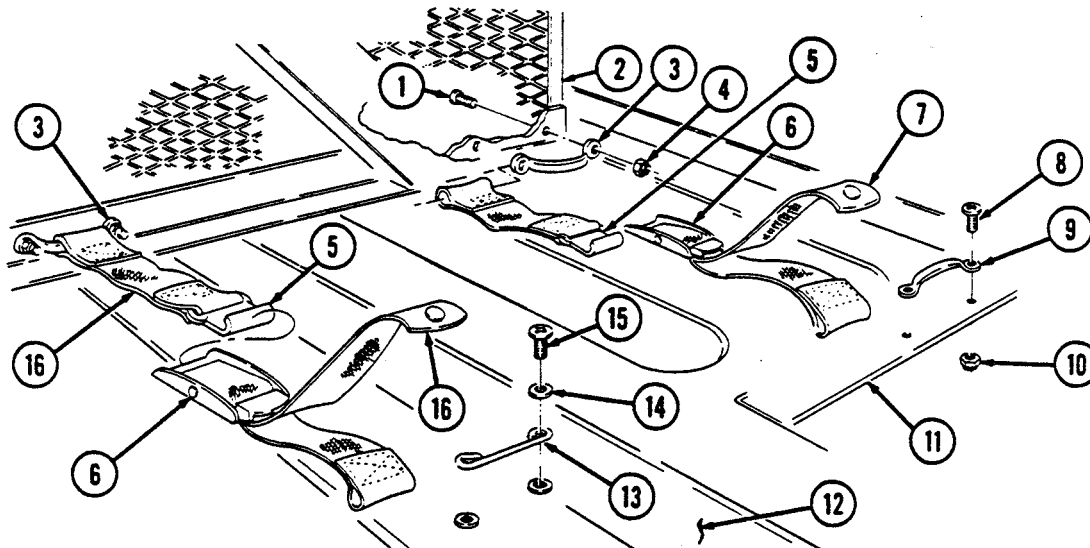
The sight box #1 straps and the sight box #2 straps are replaced basically the same. This procedure covers the sight box #1 straps.

a. Removal

1. Remove strap hooks (5) from strap buckles (6).
2. Remove four locknuts (4), screws (1), two footman loops (3), and straps (7) and (16) from ammo rack (2). Discard locknuts (4).
3. Remove two locknuts (10), screws (8), footman loop (9), and strap (7) from C-beam (11). Discard locknuts (10).
4. Remove two screws (15), washers (14), flat footman loop (13), and strap (16) from cargo floor (12). Remove strap (16).

b. Installation

1. Slide strap (16) onto flat footman loop (13). Install flat footman loop (13) and strap (16) on cargo floor (12) with two screws (15) and washers (14).
2. Slide strap (7) onto footman loop (9). Install footman loop (9) and strap (7) on C-beam (11) with two screws (8) and locknuts (10).
3. Slide straps (7) and (16) onto two footman loops (3). Install footman loops (3) and straps (7) and (16) on ammo rack (2) with four screws (1) and locknuts (4).
4. Attach strap hooks (5) on strap buckles (6).



12-81. WATER/FUEL CAN STRAP REPLACEMENT (L119)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 89)

Manual References

TM 9-2320-387-24P

Personnel Required

One mechanic

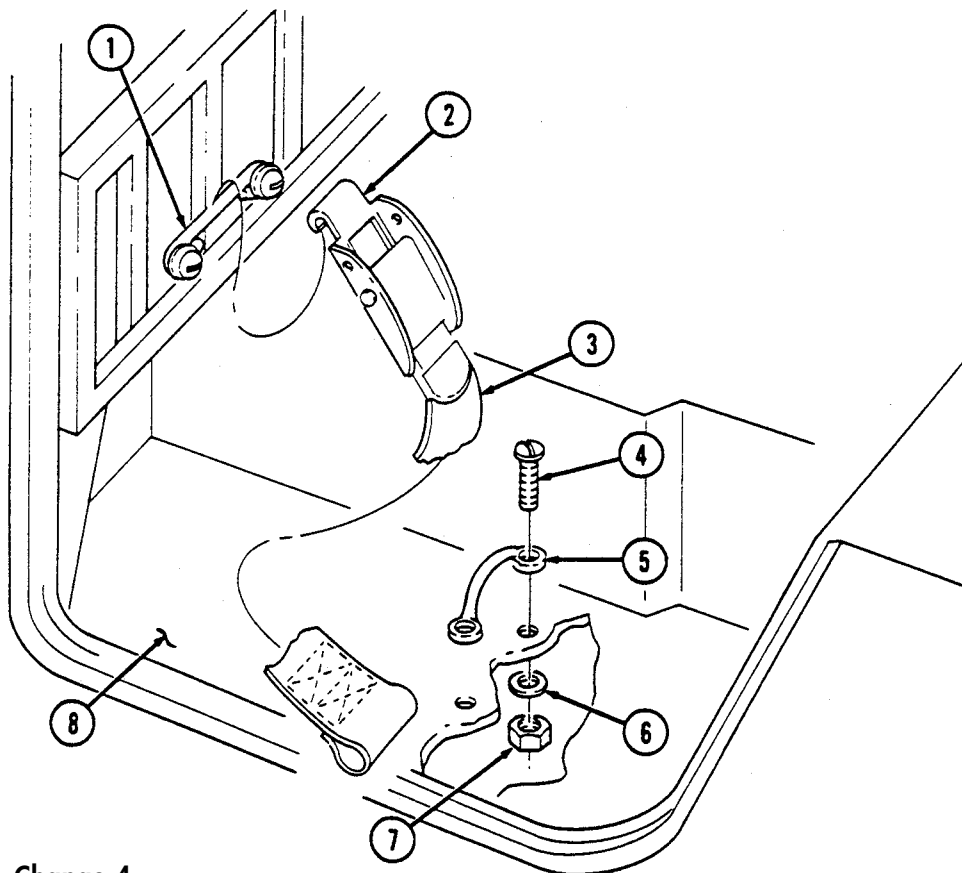
One assistant

a. Removal

1. Remove two locknuts (7), washers (6), screws (4), footman loop (5), and strap (3) from footwell (8). Discard locknuts (7).
2. Remove strap hook (2) from flat footman loop (1).

b. Installation

1. Slide strap (3) onto footman loop (5). Install footman loop (5) and strap (3) on footwell (8) with two screws (4), washers (6), and locknuts (7).
2. Attach strap hook (2) to flat footman loop (1).



12-82. AMMO RACK MAINTENANCE (L119)

This task covers:

a. Removal	c. Assembly
b. Disassembly	d. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Twelve locknuts (Appendix G, Item 77)
Twelve locknuts (Appendix G, Item 89)
Locknut (Appendix G, Item 85)
Four lockwashers (Appendix G, Item 146)

Personnel Required

One mechanic
One assistant

Manual References

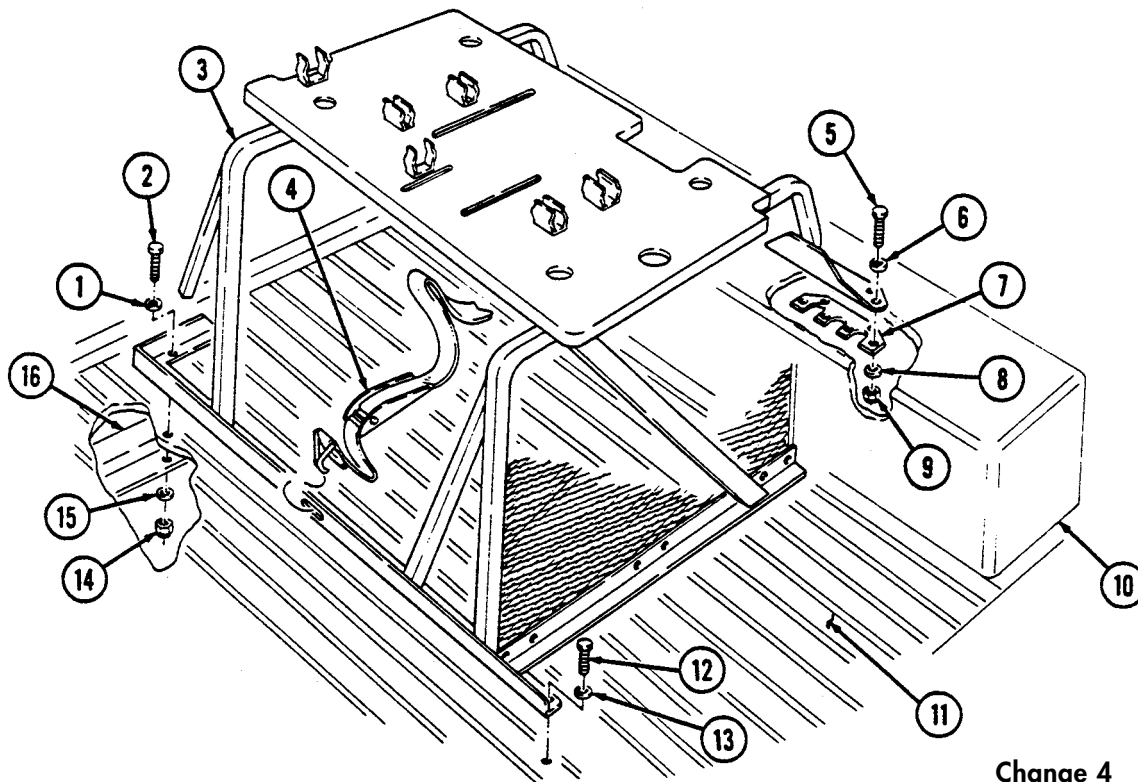
TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

- Tailgate lowered (TM 9-2320-387-10).
- Troop seat (L.H.) raised (TM 9-2320-387-10).
- Sight box straps removed (para. 12-80).
- M60 machine gun straps removed (para. 12-83).

a. Removal

1. Remove twelve locknuts (9), washers (8), capscrews (5), and washers (6) from ammo rack assembly (3), two plates (7), and wheelhouse (10). Discard locknuts (9).
2. Remove locknut (14), washer (15), capscrew (2), and washer (1) from ammo rack assembly (3) and D-beam (16). Discard locknut (14).
3. Remove six capscrews (12) and washers (13) from ammo rack assembly (3) and cargo floor (11).
4. Remove ammo tiedown strap hook (4) from ammo rack assembly (3).
5. Remove ammo rack assembly (3).



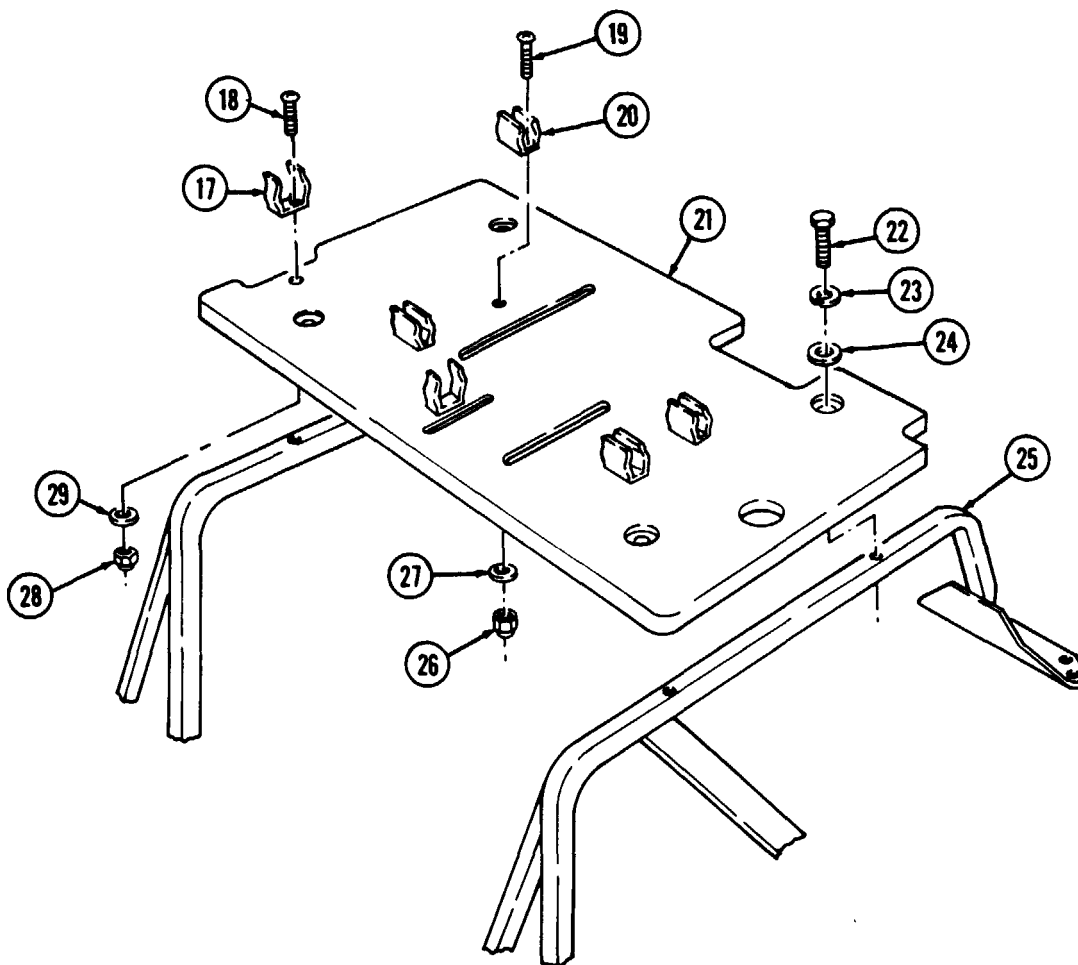
12-82. AMMO RACK MAINTENANCE (L119) (Cont'd)

b. Disassembly

1. Remove four locknuts (28), washers (29), screws (18), and two strut spring clips (17) from ammo rack top tray (21). Discard locknuts (28).
2. Remove eight locknuts (26), washers (27), screws (19), and four spike spring clips (20) from ammo rack top tray (21). Discard locknuts (26).
3. Remove four capscrews (22), lockwashers (23), washers (24), and ammo rack top tray (21) from ammo rack (25). Discard lockwashers (23).

c. Assembly

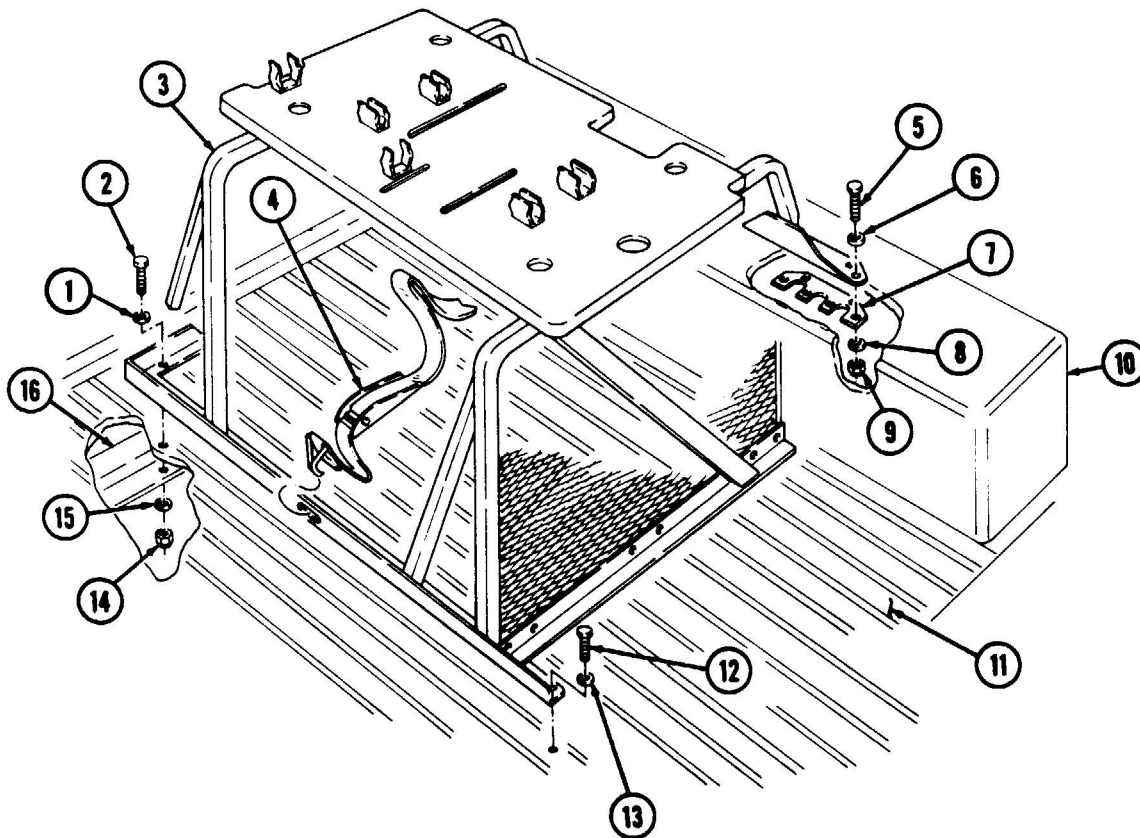
1. Install ammo rack top tray (21) on ammo rack (25) with four washers (24), lockwashers (23), and capscrews (22).
2. Install four spike spring clips (20) on ammo rack top tray (21) with eight screws (19), washers (27), and locknuts (26).
3. Install two strut spring clips (17) on ammo rack top tray (21) with four screws (18), washers (29), and locknuts (28).



12-82. AMMO RACK MAINTENANCE (L119) (Cont'd)

d. Installation

1. Install ammo rack assembly (3) on cargo floor (11) with six washers (13) and capscrews (12).
2. Install ammo rack assembly (3) on D-beam (16) with washer (1), capscrew (2), washer (15), and locknut (14).
3. Install ammo rack assembly (3) and two plates (7) on wheelhouse (10) with twelve washers (6), capscrews (5), washers (8), and locknuts (9).
4. Attach ammo tiedown strap hook (4) to ammo rack assembly (3).



- FOLLOW-ON TASKS:
- Install M60 machine gun straps (para. 12-83).
 - Install sight box straps (para. 12-80).
 - Lower troop seat (L.H.) (TM 9-2320-387-10).
 - Raise tailgate (TM 9-2320-387-10).

12-83. M60 MACHINE GUN STRAP REPLACEMENT (L119)

This task covers:

a. Removal**b. Installation****INITIAL SETUP:**Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two locknuts (Appendix G, Item 89)

Manual References

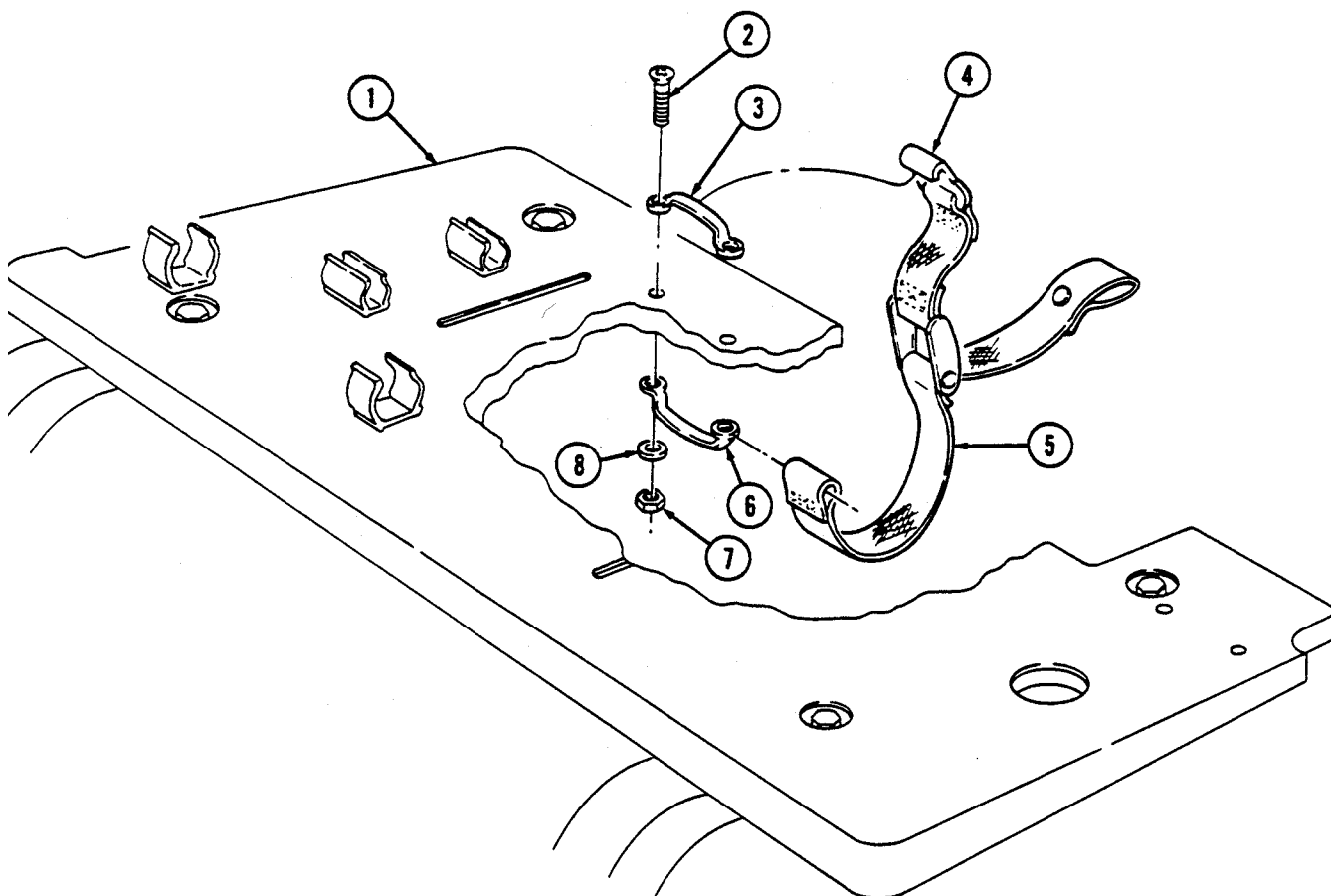
TM 9-2320-387-24P

a. Removal

1. Remove strap hook (4) from footman loop (3).
2. Remove two locknuts (7), washers (8), screws (2), footman loops (3) and (6), and strap (5) from ammo rack top tray (1). Remove strap (5) from loop (6). Discard locknuts (7).

b. Installation

1. Install strap (5) on loop (6) and footman loops (3) and (6) on ammo rack top tray (1) with two screws (2), washers (8), and locknuts (7).
2. Attach strap hook (4) to footman loop (3).



12-84. CAMOUFLAGE RACK MAINTENANCE (L119)

This task covers:

a. Removal	c. Assembly
b. Disassembly	d. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Twelve locknuts (Appendix G, Item 77)
Eight locknuts (Appendix G, Item 82)
Six locknuts (Appendix G, Item 106)

Manual References

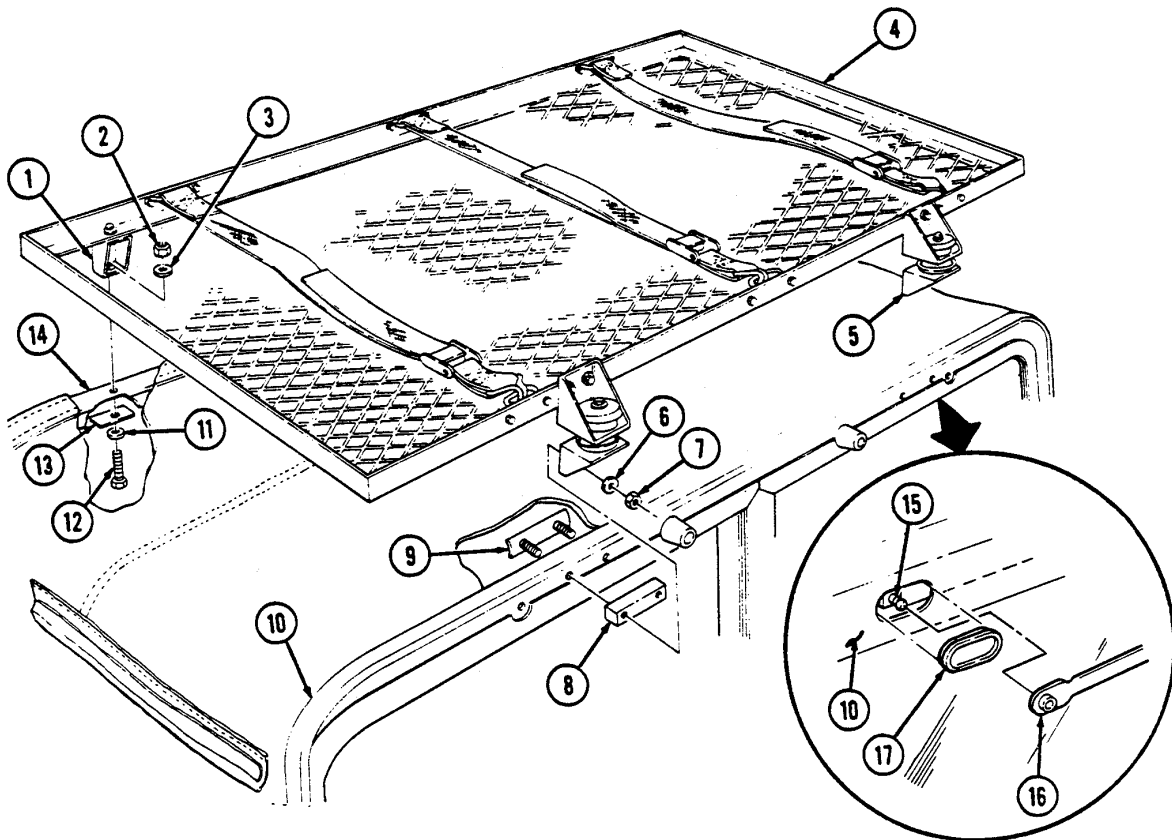
TM 9-2320-387-24P

Personnel Required

One mechanic
One assistant

a. Removal

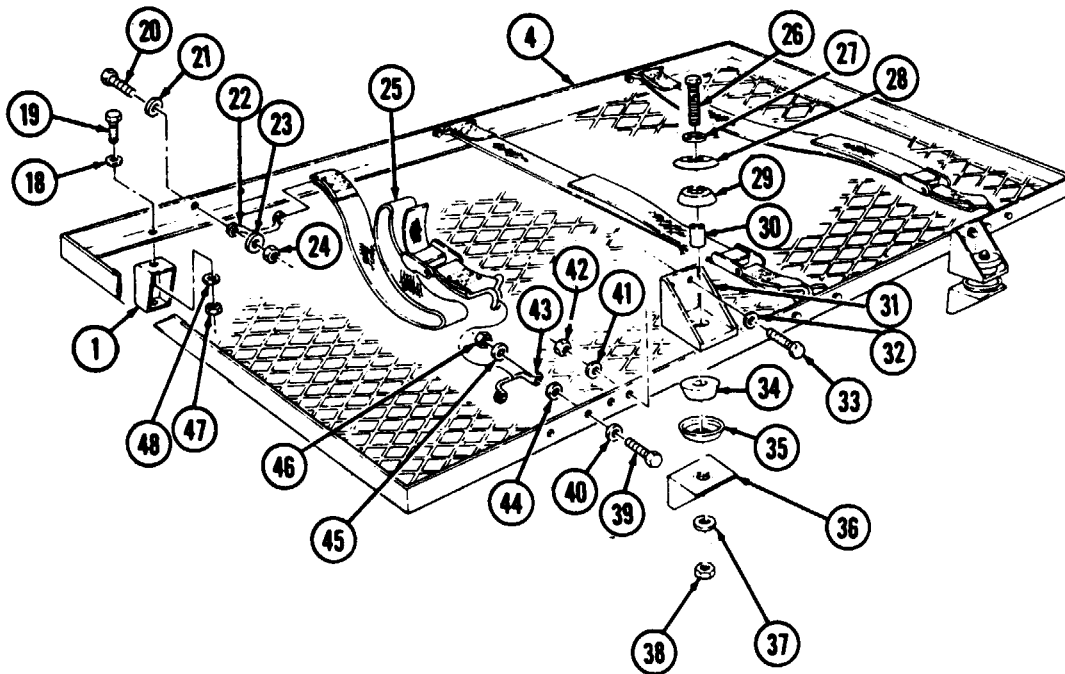
1. Remove two access covers (17) from windshield (10).
2. Disconnect connector arms (16) from wiper arm pivots (15).
3. Remove four locknuts (7), washers (6), two brackets (9), lower front mounting brackets (5), and spacers (8) from windshield (10). Discard locknuts (7).
4. Remove two capscrews (12), washers (11), locknuts (2), washers (3), and two rear mounting brackets (1) and plates (13) from B-pillar (14). Discard locknuts (2).
5. Remove camouflage rack (4) from vehicle.



12-84. CAMOUFLAGE RACK MAINTENANCE (L119) (Cont'd)

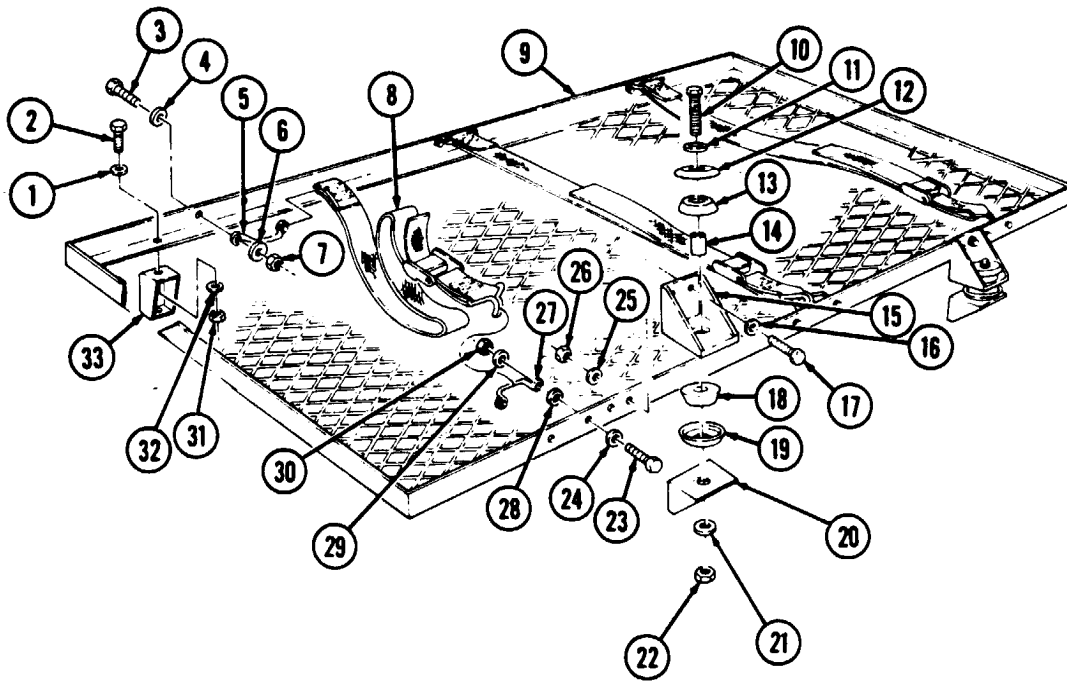
b. Disassembly

1. Remove two locknuts (38), washers (37), capscrews (26), washers (27), snubber plates (35), mounts (34), spacers (30), mounts (29), snubber plates (28), and two lower front mounting brackets (36) from upper front mounting brackets (31). Discard locknuts (38).
2. Remove four locknuts (42), washers (41), capscrews (33), washers (32), and two upper front mounting brackets (31) from camouflage rack (4). Discard locknuts (42).
3. Remove two locknuts (47), washers (48), capscrews (19), washers (18), and two rear mounting brackets (1) from camouflage rack (4). Discard locknuts (47).
4. Remove six locknuts (24), washers (23), capscrews (20), washers (21), three rear footman loops (22), and three straps (24) from camouflage rack (4). Discard locknuts (24).
5. Remove six locknuts (46), washers (45), capscrews (39), washers (40), three front footman loops (43), and six washers (44) from camouflage rack (4). Discard locknuts (46).



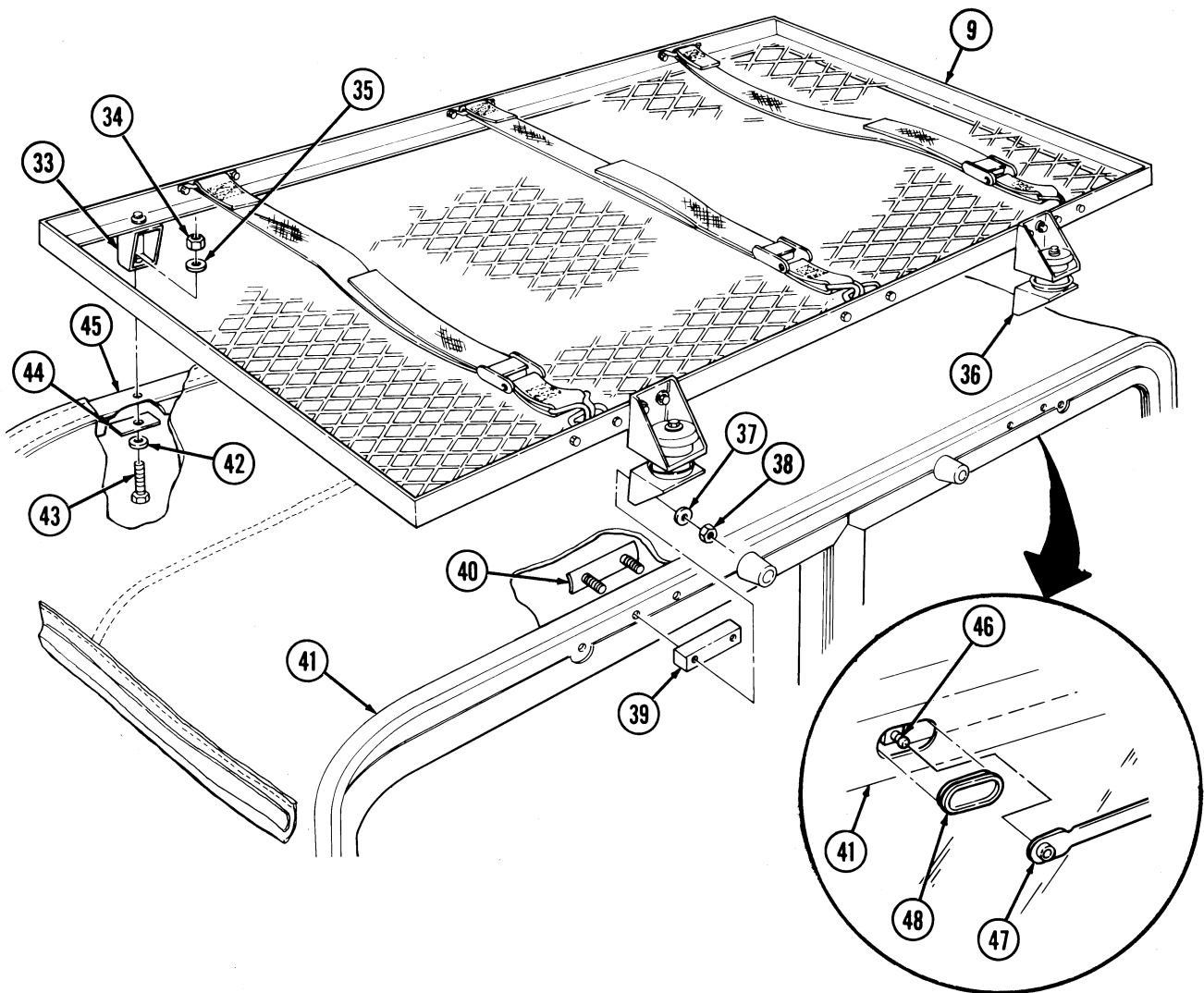
12-84. CAMOUFLAGE RACK MAINTENANCE (L119) (Cont'd)**c. Assembly**

1. Install two rear mounting brackets (33) on camouflage rack (9) with two washers (1), capscrews (2), washers (32), and locknuts (31). Tighten locknuts (31) to 37 lb-ft (50 N•m).
2. Install two upper front mounting brackets (15) on camouflage rack (9) with four washers (16), capscrews (17), washers (25), and locknuts (26). Tighten locknuts (26) to 21 lb-ft (29 N•m).
3. Install two snubber plates (12), mounts (13), spacers (14), mounts (18), snubber plates (19), and lower front mounting brackets (20) on upper front mounting bracket (15) with two washers (11), capscrews (10), washers (21), and locknuts (22). Tighten locknuts (22) to 37 lb-ft (50 N•m).
4. Install three rear footman loops (5) and three straps (8) on camouflage rack (9) with six washers (4), capscrews (3), washers (6), and locknuts (7). Tighten locknuts (7) to 6 lb-ft (8 N•m).
5. Install six washers (28) and three front footman loops (27) on camouflage rack (9) with six washers (24), capscrews (23), washers (29), and locknuts (30). Tighten locknuts (30) to 6 lb-ft (8 N•m).



12-84. CAMOUFLAGE RACK MAINTENANCE (L119) (Cont'd)**d. Installation**

1. Position camouflage rack (9) on vehicle.
2. Install two rear mounting brackets (33) and plates (44) on B-pillar (45) with two washers (42), capscrews (43), washers (35), and locknuts (34). Tighten locknuts (34) to 37 lb-ft (50 N•m).
3. Install two brackets (40), lower front mounting brackets (36), and spacers (39) on windshield (41) with four washers (37) and locknuts (38). Tighten locknuts (38) to 15 lb-ft (20 N•m).
4. Connect connector arms (47) on wiper arm pivots (46).
5. Install access covers (48) to windshield (41).



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Section VIII. TROOP/CARGO WINTERIZATION KIT MAINTENANCE

12-85. TROOP/CARGO WINTERIZATION KIT MAINTENANCE TASK SUMMARY

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12-91.	Troop/Cargo Winterization Heater Pump-to-Hose Fuel Supply Line Replacement	12-138
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12-97.	Troop/Cargo Winterization Heater Filter-to-Heater Fuel Supply Hose Replacement	12-147
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12-99.	Troop/Cargo Winterization Heat Deflector Replacement	12-150
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12-102.	Troop/Cargo Winterization Heater Air Intake Assembly Replacement	12-155
12-103.	Troop/Cargo Winterization Heater Base Assembly Replacement	12-156
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12-107.	Troop/Cargo Winterization Heater Wiring Harness Adapter Replacement	12-164
12-108.	Troop/Cargo Winterization Circuit Breaker Replacement	12-166
12-109.	Troop/Cargo Winterization Blackout Curtain Replacement	12-167
12-110.	Troop/Cargo Winterization Blackout/Dome Light Wiring Harness Replacement	12-168

12-85. TROOP/CARGO WINTERIZATION KIT MAINTENANCE TASK SUMMARY (Cont'd)

TASK PARA.	PROCEDURES	PAGE NO.
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12-86. TROOP/CARGO WINTERIZATION HEATER FUEL PUMP REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)
Two locknuts (Appendix G, Item 77)
Lockwasher (Appendix G, Item 172)
Four blind rivets (Appendix G, Item 271.5)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Battery ground cable disconnected (para. 4-68).

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

- Have drainage container ready to catch fuel.
- Prior to removal, tag leads for installation.

1. Disconnect fuel pump lead (2) from electrical connector (3).
2. Disconnect pump-to-hose fuel supply line (6) from connector (7).
3. Remove connector (7) from fuel pump (1).
4. Disconnect pump-to-bulkhead fuel supply line (8) from connector (9).

NOTE

Perform step 5 if vehicle is equipped with front arctic heater.
Perform step 6 if vehicle is not equipped with front arctic heater.

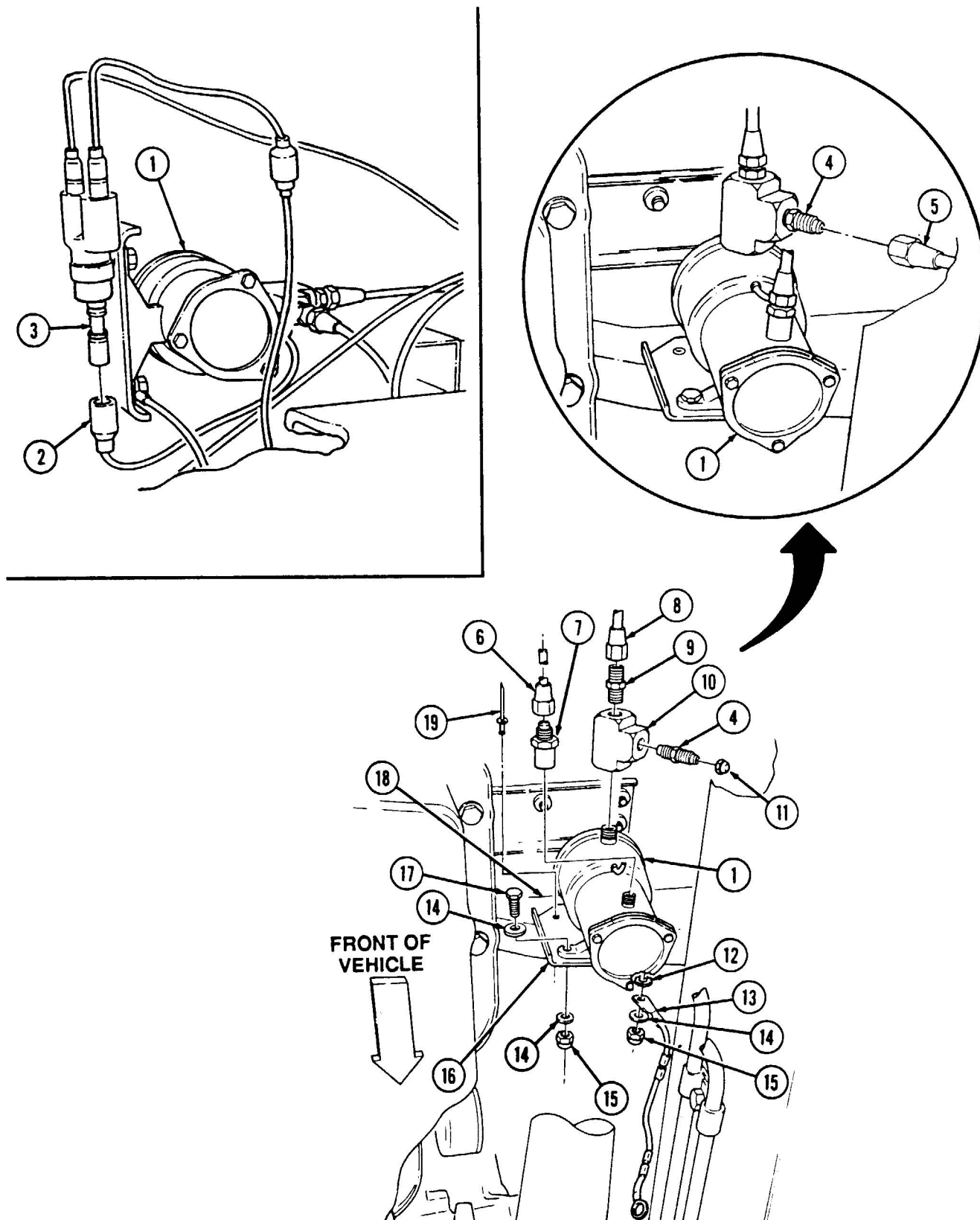
5. Disconnect arctic heater fuel supply line (5) from connector (4).
6. Remove cap (11) from connector (4).
7. Remove two locknuts (15), washers (14), lockwasher (12), two capscrews (17), washers (14), fuel pump (1), and ground lead 799B (13) from bracket (16). Discard locknuts (15) and lockwasher (12).

NOTE

For instructions on replacement of rivets, refer to para. 10-66.

8. Inspect four rivets (19) on bracket (16) and crossmember (18) and replace rivets (19), if damaged.
9. Remove connectors (9) and (4) and tee (10) from fuel pump (1).

12-86. TROOP/CARGO WINTERIZATION HEATER FUEL PUMP REPLACEMENT (Cont'd)



12-86. TROOP/CARGO WINTERIZATION HEATER FUEL PUMP REPLACEMENT (Cont'd)

b. Installation

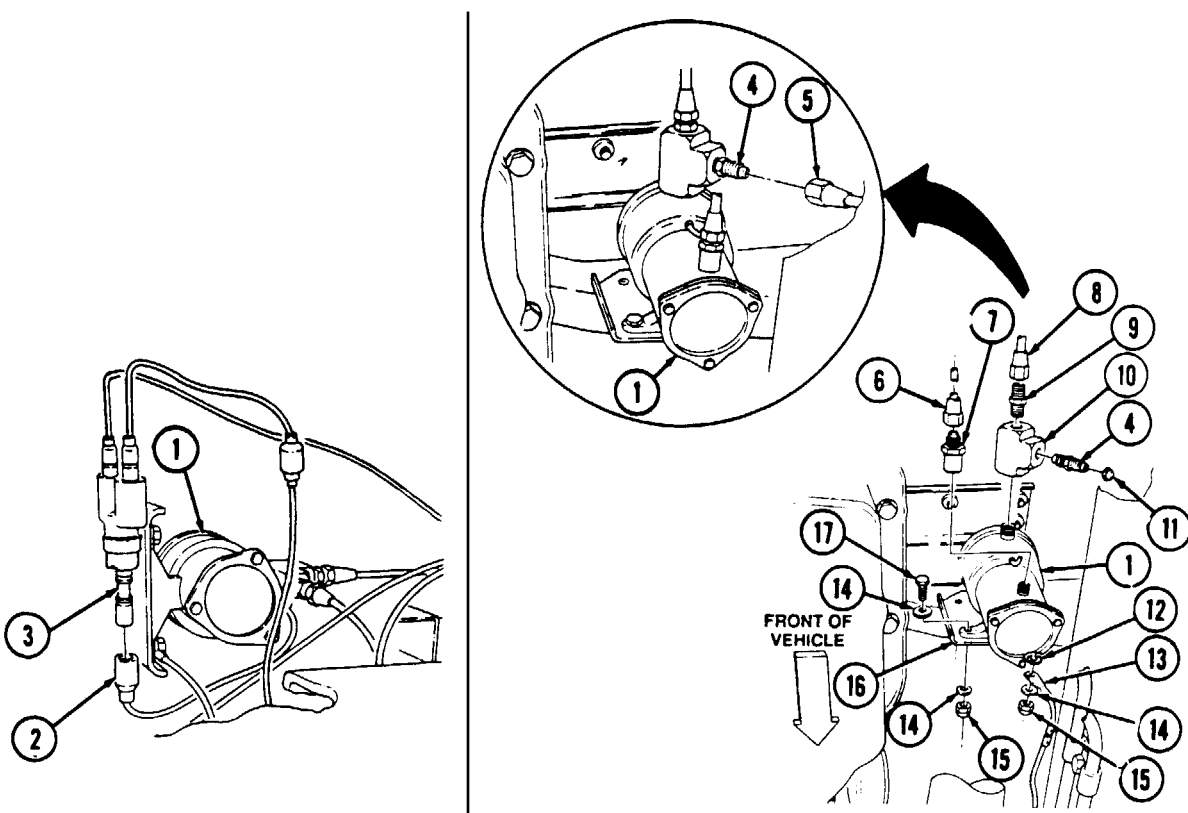
1. Apply sealing compound to threads of connectors (9) and (4) and install connectors (9) and (4) on tee (10).
2. Apply sealing compound to threads of fuel pump (1) and install connector (7) and tee (10) on fuel pump (1).
3. Install fuel pump (1) and ground lead 799B (13) on bracket (16) with two washers (14), capscrews (17), lockwasher (12), two washers (14), and locknuts (15).
4. Apply sealing compound to threads of connector (9) and connect pump-to-bulkhead fuel supply line (8) to connector (9).

NOTE

Perform step 5 if vehicle is equipped with front arctic heater.

Perform step 6 if vehicle is not equipped with front arctic heater.

5. Apply sealing compound to threads of connector (4) and connect arctic heater fuel supply line (5) to connector (4).
6. Apply sealing compound to threads of connector (4) and install cap (11) on connector (4).
7. Apply sealing compound to threads of connector (7) and connect pump-to-hose fuel supply line (6) to connector (7).
8. Connect fuel pump lead (2) to electrical connector (3).



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-87. TROOP/CARGO WINTERIZATION HEATER FUEL FILTER ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Heater guard assembly removed
(para. 12-98).

Materials/Parts

Sealing compound (Appendix C, Item 62)
Two locknuts (Appendix G, Item 133.10)

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

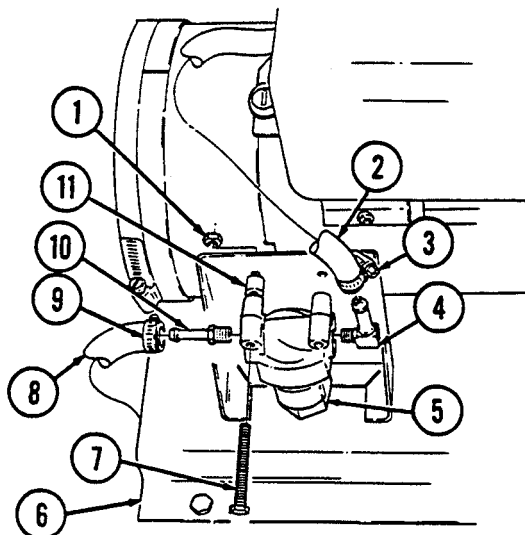
CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

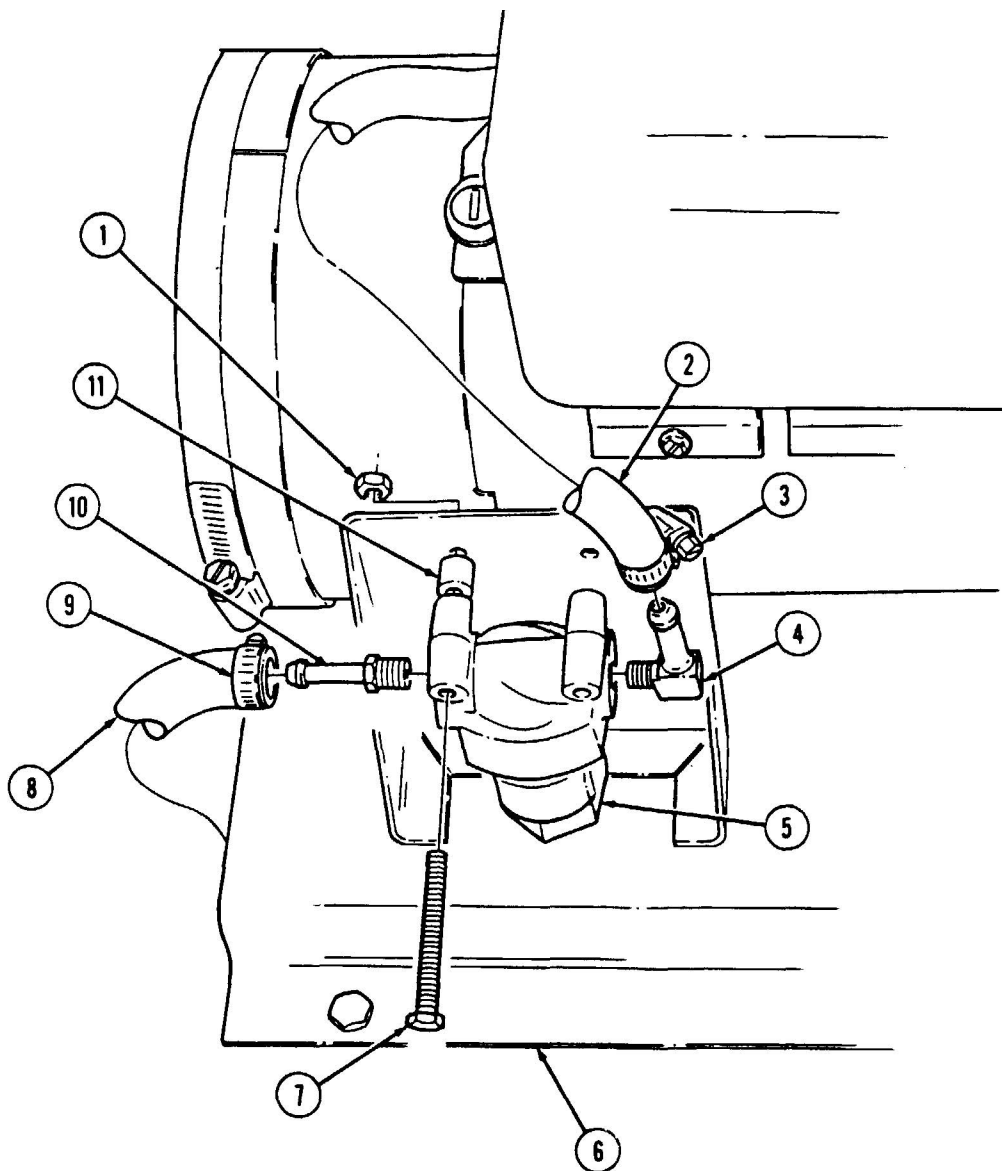
Have drainage container ready to catch fuel.

1. Loosen clamp (3) and disconnect filter-to-heater fuel supply hose (2) from filter elbow (4).
2. Loosen clamp (9) and disconnect filter-to-bulkhead coupling fuel supply hose (8) from filter connector (10).
3. Remove two locknuts (1) and capscrews (7) from filter assembly (5), spacers (11), and heater base assembly (6). Discard locknuts (1).
4. Remove filter elbow (4) and connector (10) from filter assembly (5).



12-87. TROOP/CARGO WINTERIZATION HEATER FUEL FILTER ASSEMBLY REPLACEMENT (Cont'd)**b. Installation**

1. Apply sealing compound to threads of filter elbow (4) and connector (10) and install filter elbow (4) and connector (10) on filter assembly (5).
2. Install two spacers (11) and filter assembly (5) on heater base assembly (6) with two capscrews (7) and locknuts (1).
3. Connect filter-to-bulkhead coupling fuel supply hose (8) to filter connector (10) with clamp (9).
4. Connect filter-to-heater fuel supply hose (2) to filter elbow (4) with clamp (3).



FOLLOW-ON TASKS:

- Install heater guard assembly (para. 12-98).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-88. TROOP/CARGO WINTERIZATION HEATER FUEL SUPPLY TUBE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Fuel tank removed (para. 3-25).

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

1. Mark position of fuel supply tube assembly (2) on access cover (3).

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

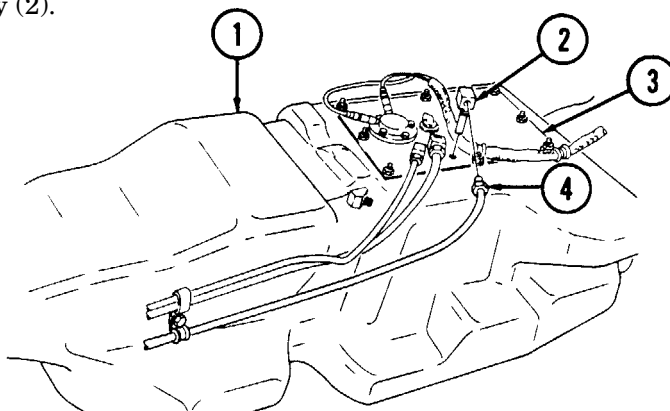
NOTE

Have drainage container ready to catch fuel.

2. Disconnect tank-to-hose fuel supply line (4) from fuel supply tube assembly (2).
3. Remove fuel supply tube assembly (2) from fuel tank (1).

b. Installation

1. Apply sealing compound to threads of fuel supply tube assembly (2) and install tube assembly (2) on fuel tank (1).
2. Apply sealing compound to tank-to-hose fuel supply line (4) and connect fuel supply line (4) to fuel supply tube assembly (2).



FOLLOW-ON TASKS:

- Install fuel tank (para. 3-25).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-89. TROOP/CARGO WINTERIZATION HEATER TANK-TO-HOSE FUEL SUPPLY LINE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Fuel tank removed (para. 3-25).

Materials/Parts

Sealing compound (Appendix C, Item 62)

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

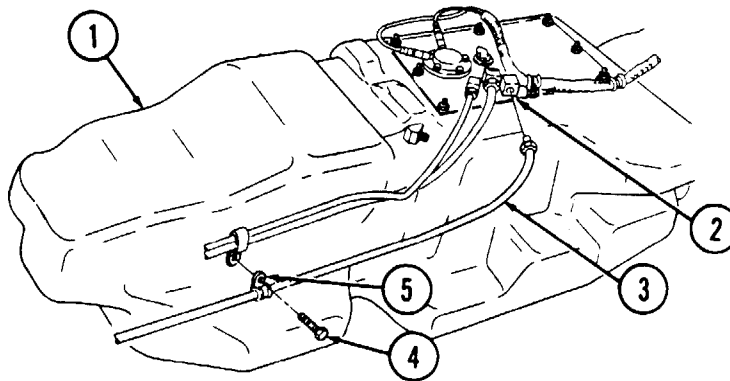
NOTE

Have drainage container ready to catch fuel.

1. Disconnect tank-to-hose fuel supply line (3) from tube assembly (2).
2. Remove capscrew (4), clamp (5), and tank-to-hose fuel supply line (3) from fuel tank (1).

b. Installation

1. Apply sealing compound to threads of tank-to-hose fuel supply line (3) and connect tank-to-hose fuel supply line (3) to tube assembly (2).
2. Install tank-to-hose fuel supply line (3) on fuel tank (1) with clamp (5) and capscrew (4).



FOLLOW-ON TASKS:

- Install fuel tank (para. 3-25).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-90. TROOP/CARGO WINTERIZATION HEATER FUEL SUPPLY HOSE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

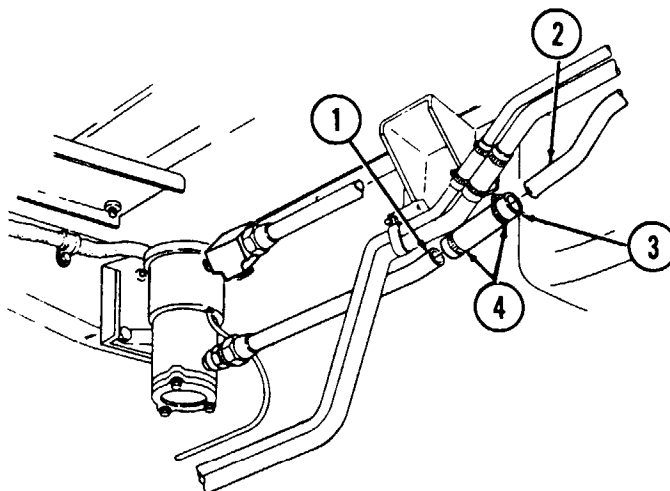
NOTE

Have drainage container ready to catch fuel.

Remove two clamps (4) and fuel supply hose (3) from tank-to-hose fuel supply line (2) and pump-to-hose fuel supply line (1).

b. Installation

1. Connect fuel supply hose (3) to tank-to-hose fuel supply line (2) with clamp (4).
2. Connect fuel supply hose (3) to pump-to-hose fuel supply line (1) with clamp (4).



FOLLOW-ON TASK: Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-91. TROOP/CARGO WINTERIZATION HEATER PUMP-TO-HOSE FUEL SUPPLY LINE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

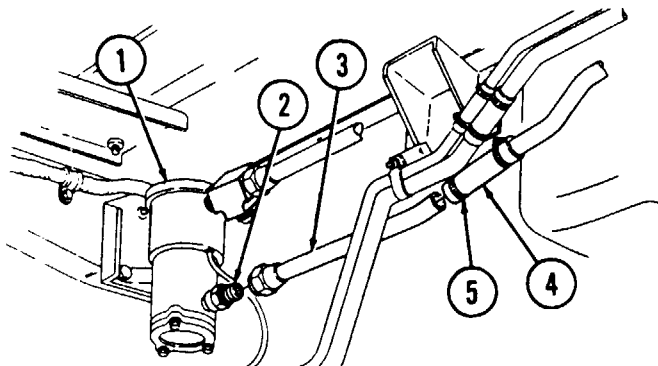
NOTE

Have drainage container ready to catch fuel.

1. Loosen clamp (5) and disconnect fuel supply hose (4) from pump-to-hose fuel supply line (3).
2. Disconnect pump-to-hose fuel supply line (3) from connector (2) on fuel pump (1).
3. Inspect connector (2) for damaged threads or cracks. Replace if cracked or damaged.

b. Installation

1. Apply sealing compound to threads of connector (2) and connect pump-to-hose fuel supply line (3) to connector (2) on fuel pump (1).
2. Connect fuel supply hose (4) to pump-to-hose fuel supply line (3) with clamp (5).



FOLLOW-ON TASK: Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-92. TROOP/CARGO WINTERIZATION HEATER PUMP-TO-BULKHEAD FUEL SUPPLY LINE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

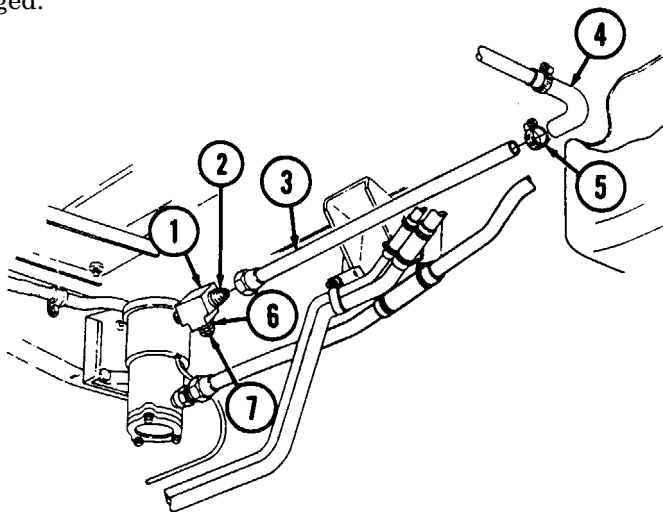
Have drainage container ready to catch fuel.

1. Disconnect pump-to-bulkhead fuel supply line (3) from connector (2).
2. Remove clamp (5) and bulkhead hose (4) from pump-to-bulkhead fuel supply line (3).

NOTE

If vehicle is equipped with front arctic heater unit, cap will not be installed on connector.

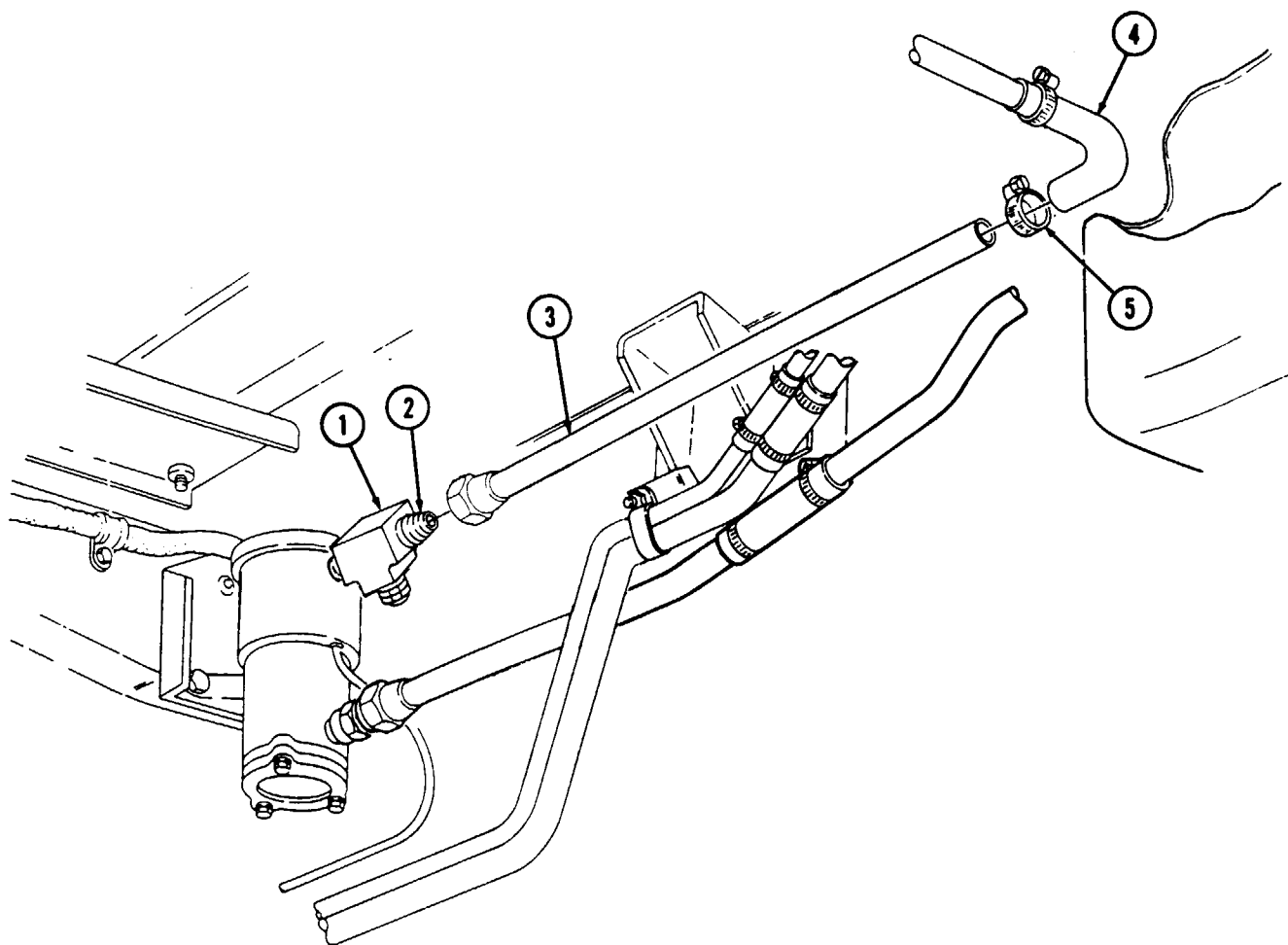
3. Inspect connector (2), tee (1), connector (6), and cap (7) for damaged threads or cracks. Replace if cracked or damaged.



12-92. TROOP/CARGO WINTERIZATION HEATER PUMP-TO-BULKHEAD FUEL SUPPLY LINE REPLACEMENT (Cont'd)

b. Installation

1. Connect bulkhead hose (4) to pump-to-bulkhead fuel supply line (3) with clamp (5).
2. Apply sealing compound to threads of connector (2) on tee (1) and connect pump-to-bulkhead fuel supply line (3) to connector (2).



FOLLOW-ON TASK: Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-93. TROOP/CARGO WINTERIZATION HEATER BULKHEAD FUEL SUPPLY HOSE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

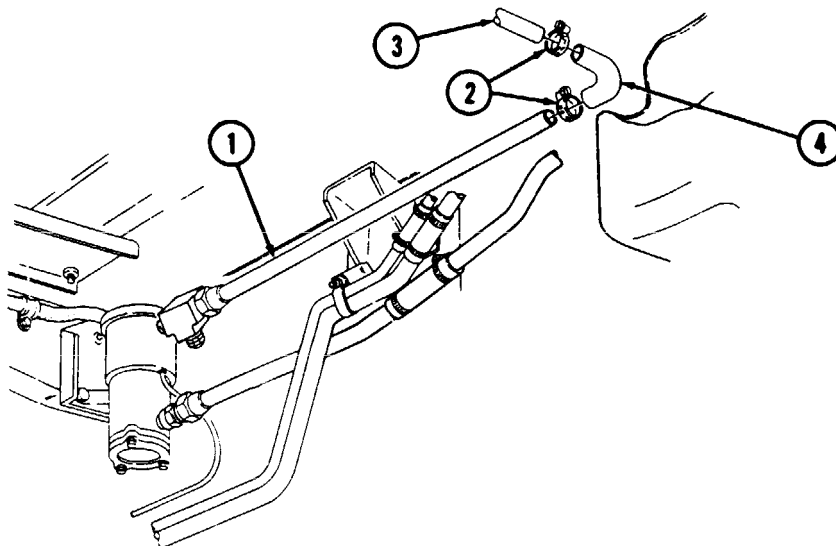
NOTE

Have drainage container ready to catch fuel.

Remove two clamps (2) and bulkhead fuel supply hose (4) from pump-to-bulkhead fuel supply line (1) and bulkhead hose-to-bulkhead coupling supply line (3).

b. Installation

Connect bulkhead fuel supply hose (4) to pump-to-bulkhead fuel supply line (1) and bulkhead hose-to-bulkhead coupling supply line (3) with two clamps (2).



FOLLOW-ON TASK: Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-94. TROOP/CARGO WINTERIZATION HEATER BULKHEAD HOSE-TO-BULKHEAD COUPLING FUEL SUPPLY LINE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

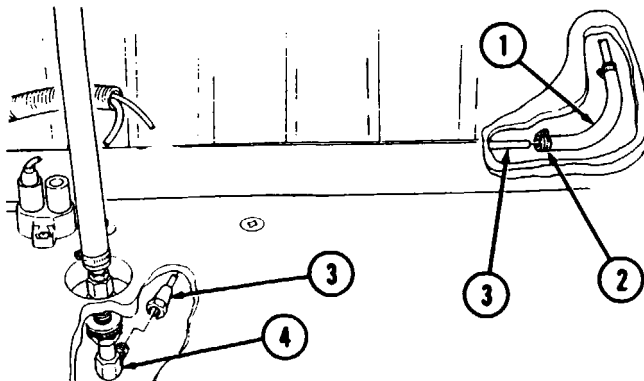
NOTE

Have drainage container ready to catch fuel.

1. Loosen clamp (2) and disconnect bulkhead hose (1) from bulkhead hose-to-bulkhead coupling fuel supply line (3).
2. Disconnect bulkhead hose-to-bulkhead coupling fuel supply line (3) from elbow (4) and remove bulkhead hose-to-bulkhead coupling fuel supply line (3).

b. Installation

1. Apply sealing compound to threads of elbow (4) and connect bulkhead hose-to-bulkhead coupling fuel supply line (3) to elbow (4).
2. Connect bulkhead hose (1) to bulkhead hose-to-bulkhead coupling fuel supply line (3) with clamp (2).



FOLLOW-ON TASK: Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-95. TROOP/CARGO WINTERIZATION HEATER FUEL SUPPLY LINE BULKHEAD COUPLING REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

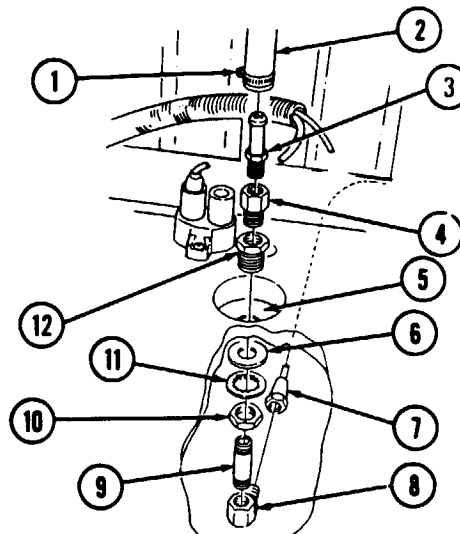
CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

Have drainage container ready to catch fuel.

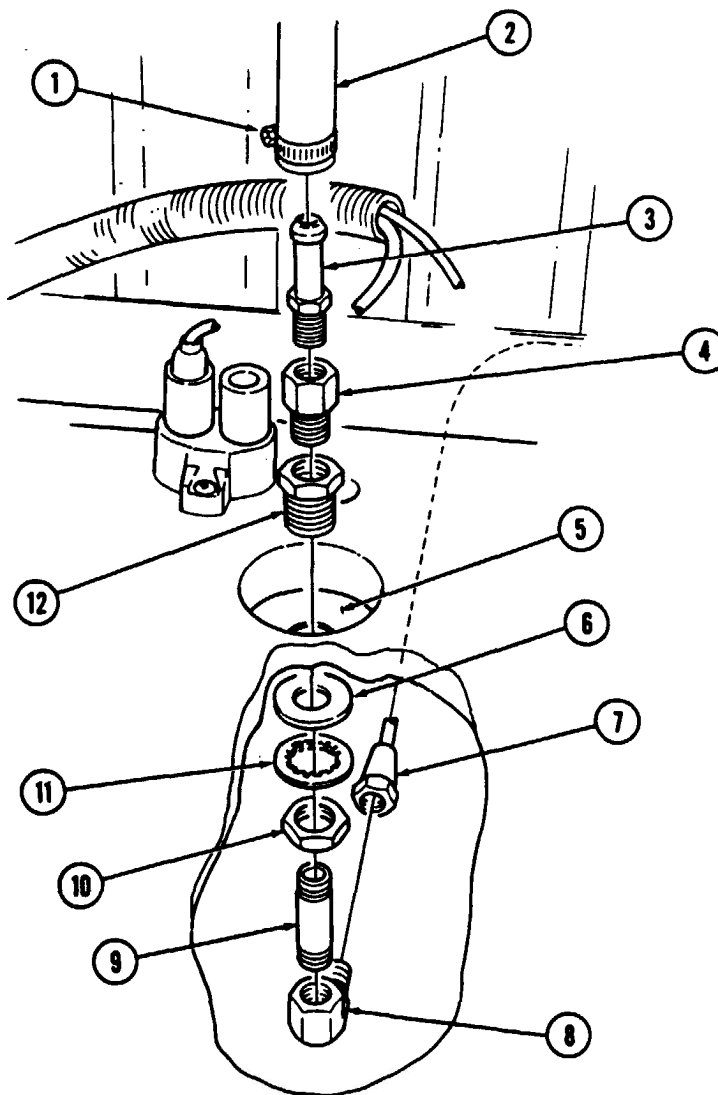
1. Disconnect bulkhead hose-to-bulkhead coupling fuel supply line (7) from elbow (8).
2. Remove elbow (8) from nipple (9).
3. Remove nut (10) and washers (11) and (6) from coupling half (12) and cargo floor (5).
4. Pull remaining fittings up through cargo floor (5).
5. Loosen clamp (1) and disconnect filter-to-bulkhead coupling fuel supply hose (2) from connector (3).
6. Remove connector (3) from adapter (4).
7. Remove adapter (4) from coupling half (12).
8. Remove nipple (9) from coupling half (12).



12-95. TROOP/CARGO WINTERIZATION HEATER FUEL SUPPLY LINE BULKHEAD COUPLING REPLACEMENT (Cont'd)

b. Installation

1. Apply sealing compound to threads of nipple (9) and install nipple (9) on coupling half (12).
2. Apply sealing compound to threads of adapter (4) and install adapter (4) on coupling half (12).
3. Apply sealing compound to threads of connector (3) and install connector (3) on adapter (4).
4. Connect filter-to-bulkhead coupling fuel supply hose (2) to connector (3) with clamp (1).
5. Insert nipple (9), coupling half (12), adapter (4), and connector (3) through cargo floor (5).
6. Secure coupling half (12) to cargo floor (5) with washers (6) and (11) and nut (10).
7. Apply sealing compound to threads of nipple (9) and install elbow (8) on nipple (9).
8. Apply sealing compound to threads of elbow (8) and connect bulkhead hose-to-bulkhead coupling fuel supply line (7) to elbow (8).



FOLLOW-ON TASK: Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-96. TROOP/CARGO WINTERIZATION HEATER FILTER-TO-BULKHEAD COUPLING FUEL SUPPLY HOSE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Heater guard assembly removed
(para. 12-98).

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

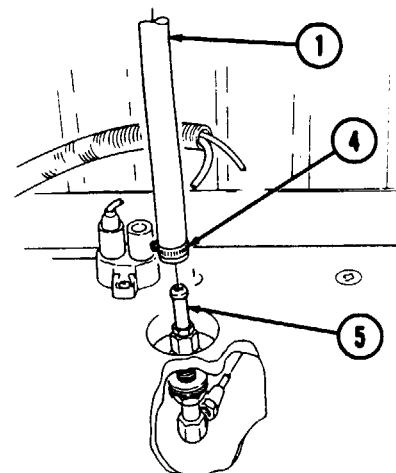
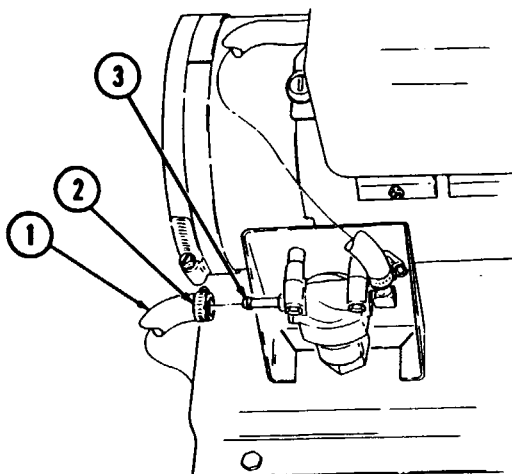
CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

Have drainage container ready to catch fuel.

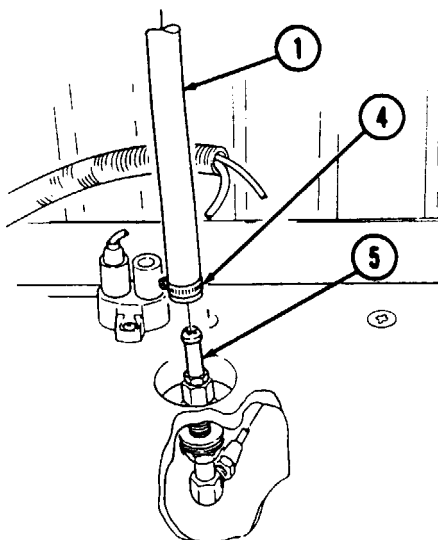
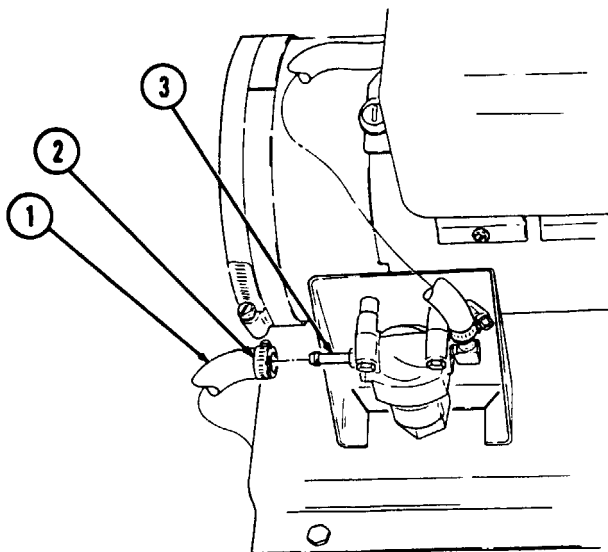
1. Loosen clamp (2) and disconnect filter-to-bulkhead coupling fuel supply hose (1) from filter connector (3).
2. Loosen clamp (4) and remove filter-to-bulkhead coupling fuel supply hose (1) from bulkhead coupling connector (5).
3. Inspect filter connector (3) and bulkhead coupling connector (5) for damage. Replace if cracked or damaged.



12-96. TROOP/CARGO WINTERIZATION HEATER FILTER-TO-BULKHEAD COUPLING FUEL SUPPLY HOSE REPLACEMENT (Cont'd)

b. Installation

1. Connect filter-to-bulkhead coupling fuel supply hose (1) to bulkhead coupling connector (5) with clamp (4).
2. Connect filter-to-bulkhead coupling fuel supply hose (1) to filter connector (3) with clamp (2).



FOLLOW-ON TASKS:

- Install heater guard assembly (para. 12-98).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-97. TROOP/CARGO WINTERIZATION HEATER FILTER-TO-HEATER FUEL SUPPLY HOSE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Heater guard assembly removed
(para. 12-98).

General Safety Instructions

Do not perform this procedure near fire, flames, or sparks.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

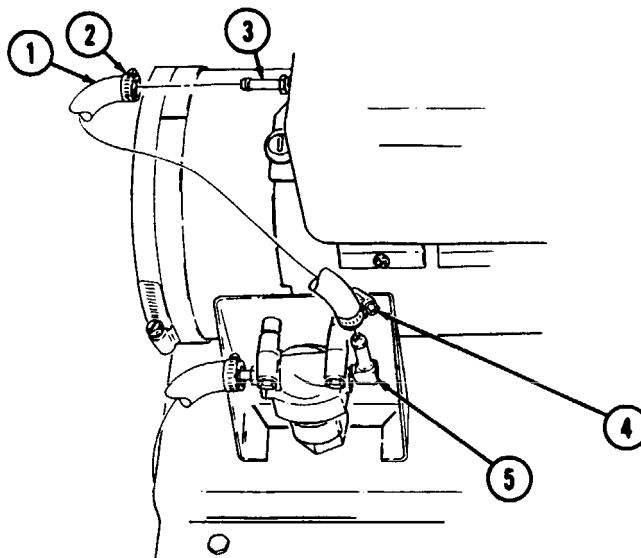
CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

Have drainage container ready to catch fuel.

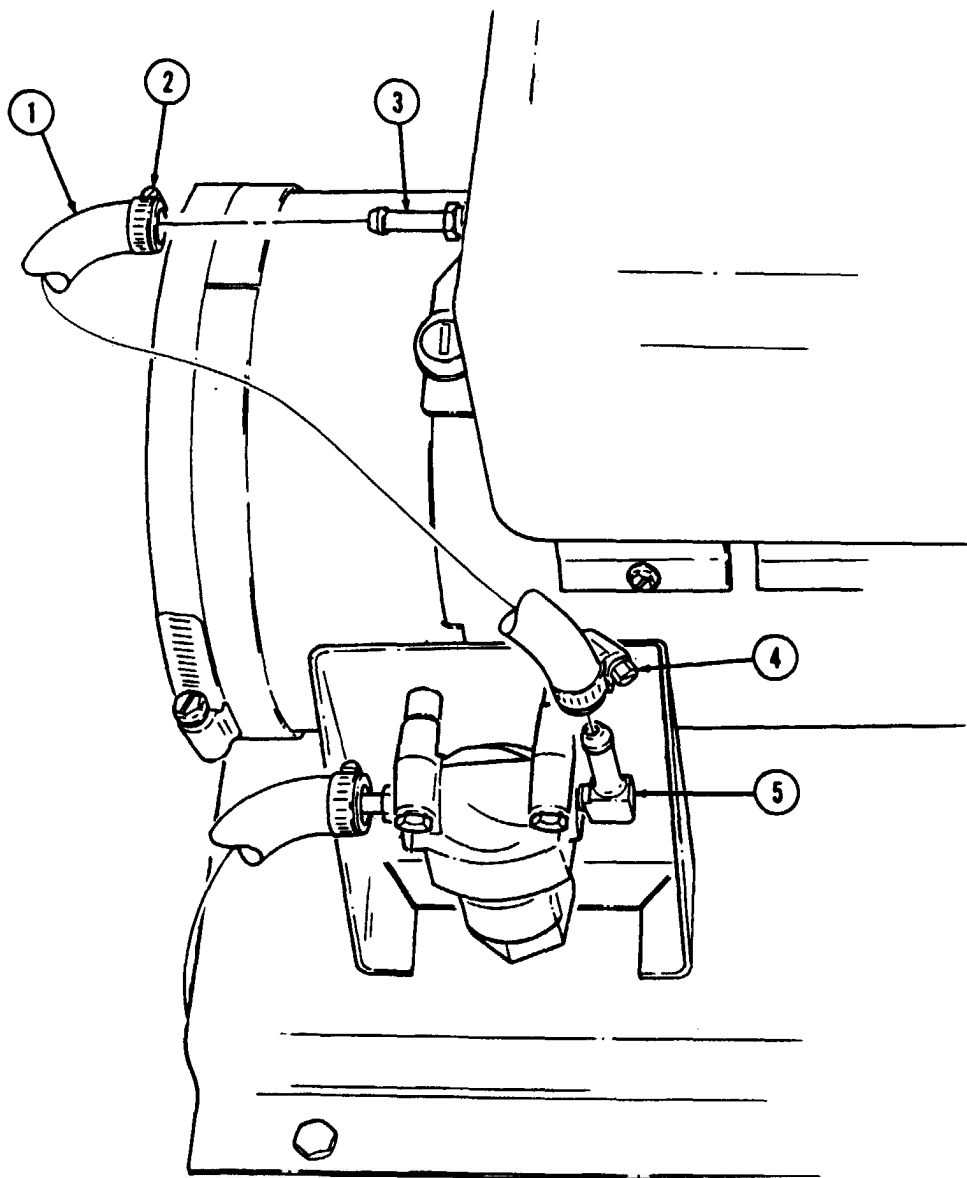
1. Loosen clamp (4) and disconnect filter-to-heater fuel supply hose (1) from filter elbow (5).
2. Loosen clamp (2) and disconnect filter-to-heater fuel supply hose (1) from heater connector (3).
3. Inspect filter elbow (5) and heater connector (3) for damage. Replace if damaged.



12-97. TROOP/CARGO WINTERIZATION HEATER FILTER-TO-HEATER FUEL SUPPLY HOSE REPLACEMENT (Cont'd)

b. Installation

1. Connect filter-to-heater fuel supply hose (1) to heater connector (3) with clamp (2).
2. Install filter-to-heater fuel supply hose (1) on filter elbow (5) with clamp (4).



FOLLOW-ON TASKS:

- Install heater guard assembly (para. 12-98).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-98. TROOP/CARGO WINTERIZATION HEATER GUARD ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Four lockwashers (Appendix G, Item 155)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

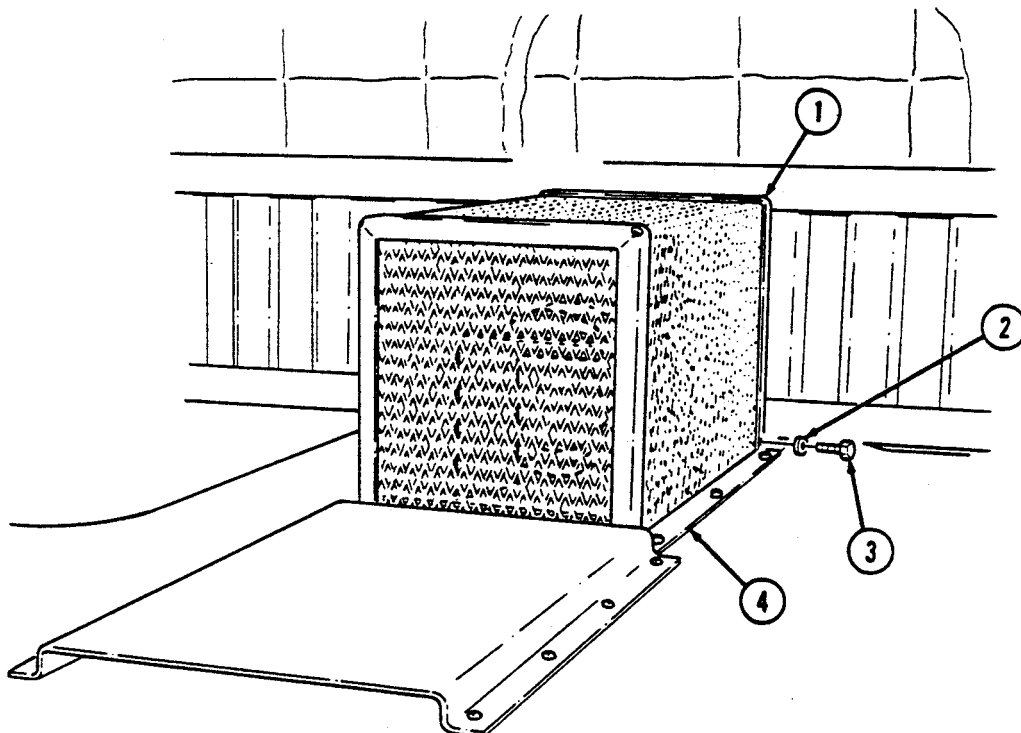
TM 9-2320-387-24P

a. Removal

Remove four capscrews (3), lockwashers (2), and guard assembly (1) from heater base assembly (4). Discard lockwashers (2).

b. Installation

Install guard assembly (1) on heater base assembly (4) with four lockwashers (2) and capscrews (3).



12-99. TROOP/CARGO WINTERIZATION HEAT DEFLECTOR REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Heater guard assembly removed (para. 12-98).

Materials/Parts

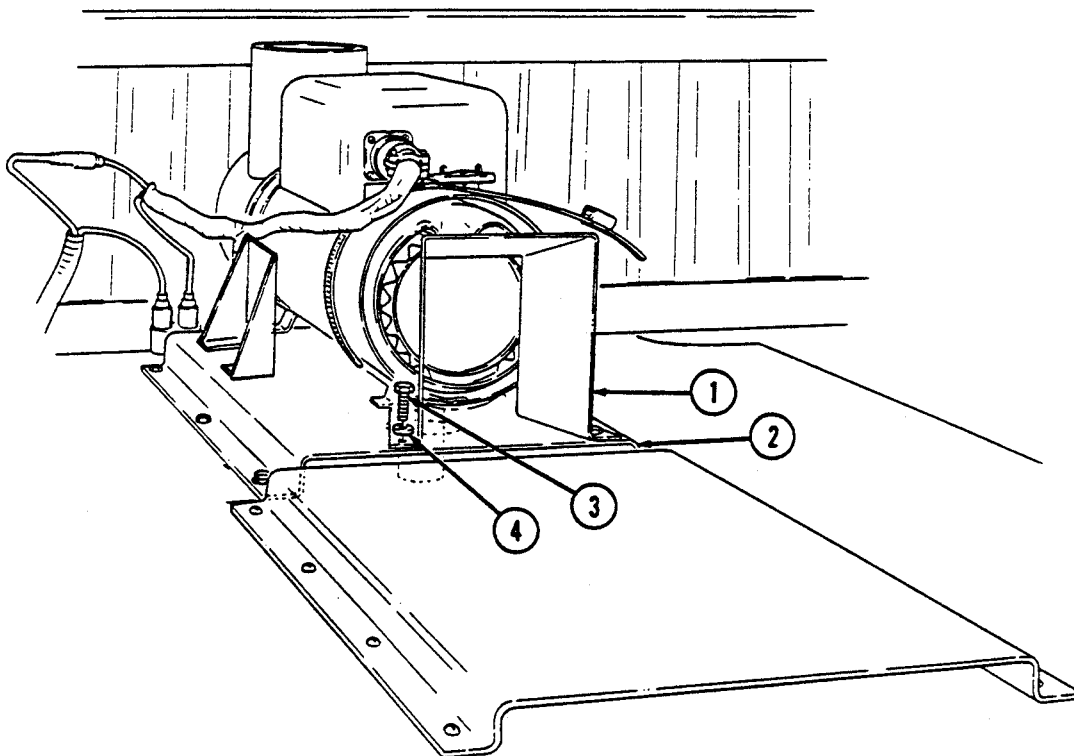
Four lockwashers (Appendix G, Item 190.4)

a. Removal

Remove four capscrews (3), lockwashers (4), and heat deflector (1) from heater base assembly (2). Discard lockwashers (4).

b. Installation

Install heat deflector (1) on heater base assembly (2) with four lockwashers (4) and capscrews (3).



FOLLOW-ON TASK: Install heater guard assembly (para. 12-98).

12-100. TROOP/CARGO WINTERIZATION HEATER ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive sealant (Appendix C, Item 12)
Sealing compound (Appendix C, Item 60.1)
O-ring (Appendix G, Item 228.2)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

- Battery ground cable disconnected (para. 4-68).
- Heater guard assembly removed (para. 12-98).

General Safety Instructions

- Do not perform this procedure near fire, flames or sparks.
- Ensure handle on diverter assembly is facing toward left side of vehicle.

WARNING

Diesel fuel is highly flammable. Do not perform this procedure near fire, flames, or sparks. Severe injury or death will result.

a. Removal

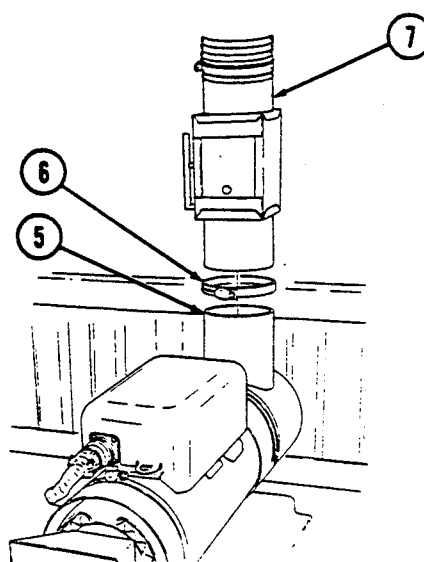
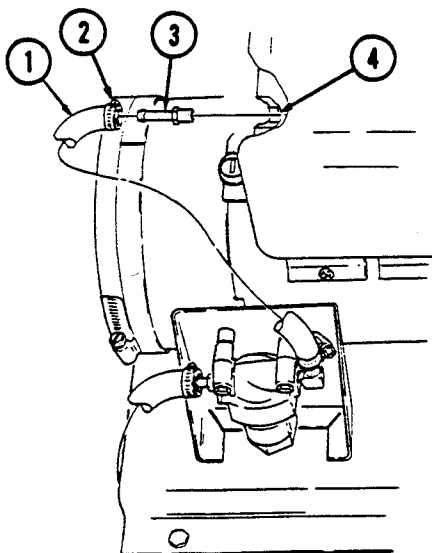
CAUTION

Cover or plug all open hoses and connections immediately after disconnection to prevent contamination. Remove all plugs prior to connection.

NOTE

Have drainage container ready to catch fuel.

1. Loosen clamp (2) and disconnect filter-to-heater fuel supply hose (1) from connector (3).
2. Remove connector (3) from heater inlet port (4).
3. Remove clamp (6) and diverter assembly (7) from air inlet adapter (5).



12-100. TROOP/CARGO WINTERIZATION HEATER ASSEMBLY REPLACEMENT (Cont'd)

4. Disconnect cannon plug (2) from heater (3).
5. Remove two clamps (1) and heater (3) from heater base assembly (4) .
6. Remove air inlet adapter (5) from heater (3).
7. Remove O-ring (6) and washer (7) from heater (3). Discard O-ring (6).
8. Remove exhaust extension (8) from heater base assembly (4).

b. Installation

NOTE

When installing exhaust extension into heater base assembly, ensure tab on exhaust extension and notch in heater base assembly are aligned.

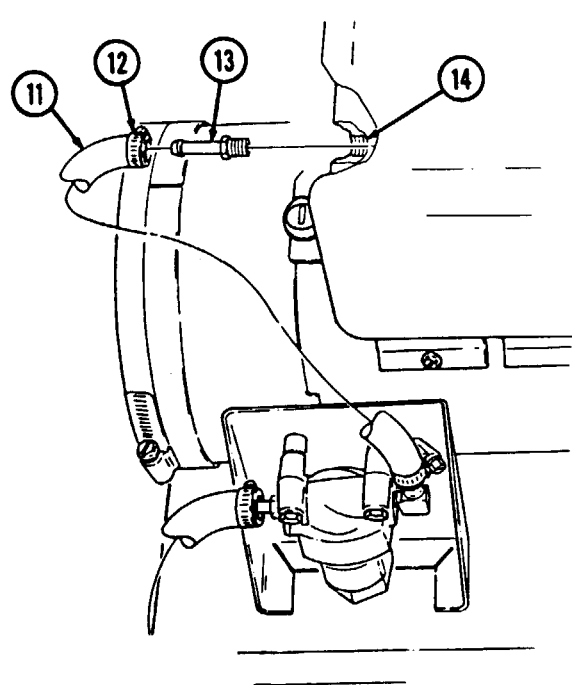
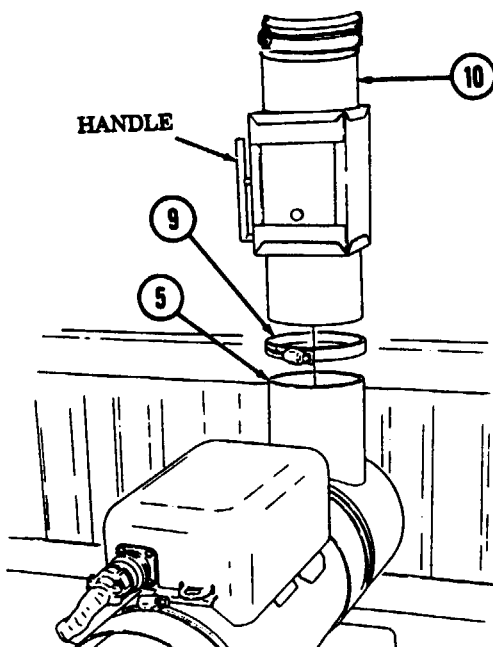
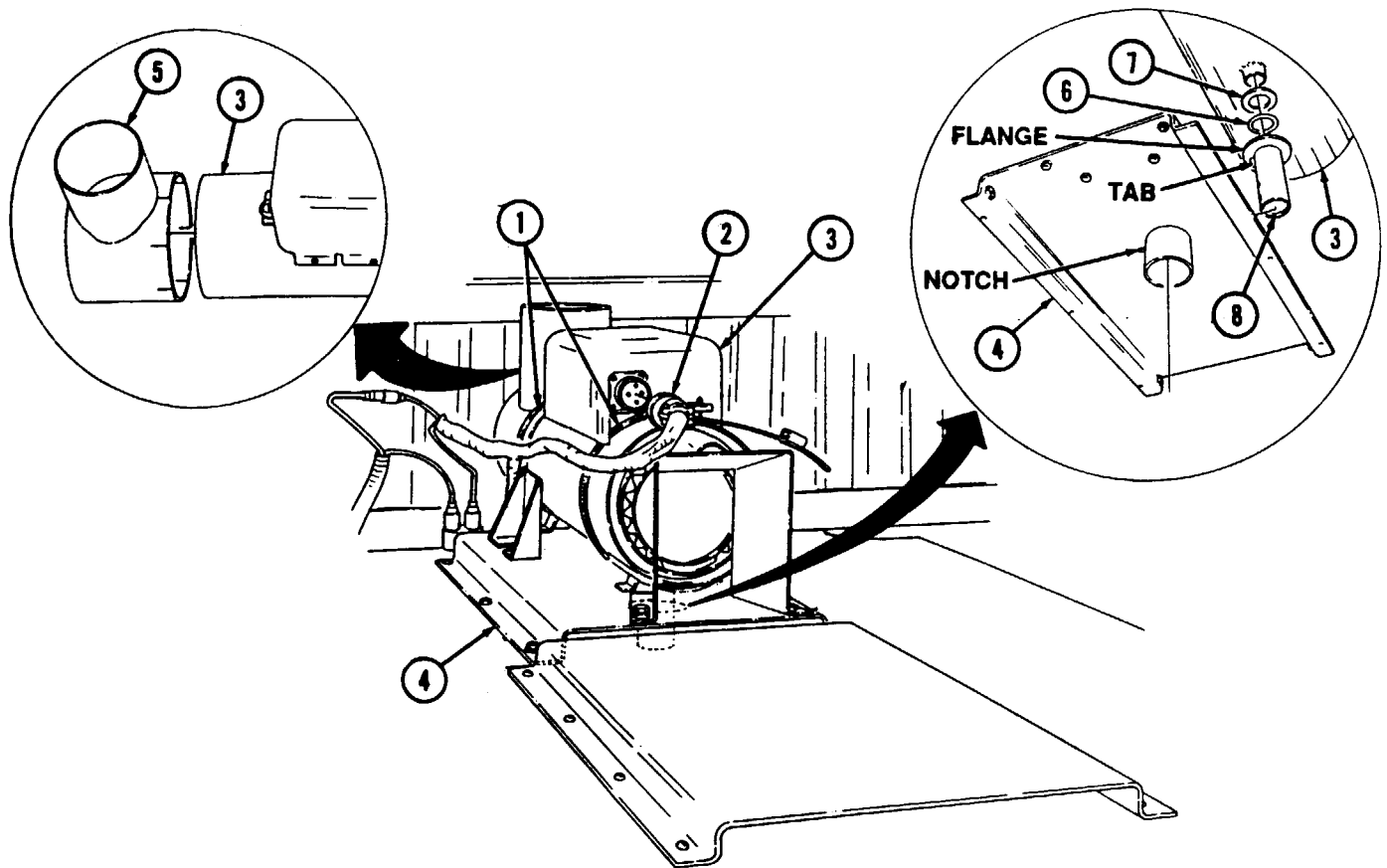
1. Apply sealant to underside surface of flange on exhaust extension (8), and install exhaust extension (8) on heater base assembly (4).
2. Install washer (7) and O-ring (6) on heater (3).
3. Install air inlet adapter (5) on heater (3).
4. Install heater (3) on heater base assembly (4) with two clamps (1).
5. Connect cannon plug (2) to heater (3).

WARNING

Ensure handle on diverter assembly is facing toward left side of vehicle. Improper installation of the diverter assembly may cause serious injury to personnel.

6. Install diverter assembly (10) on air inlet adapter (5) with clamp (9).
7. Apply sealing compound to threads of connector (13) and install connector (13) on heater inlet port (14).
8. Connect filter-to-heater fuel supply hose (11) to connector (13) with clamp (12).

12-100. TROOP/CARGO WINTERIZATION HEATER ASSEMBLY REPLACEMENT (Cont'd)



FOLLOW-ON TASKS:

- Install heater guard assembly (para. 12-98).
- Connect battery ground cable (para. 4-68).
- Operate troop/cargo heater (TM 9-2320-387-10) and check for fuel leaks.

12-101. TROOP/CARGO WINTERIZATION HEATER DIVERTER ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

General Safety Instructions

Ensure handle on diverter assembly is facing toward left side of vehicle.

a. Removal

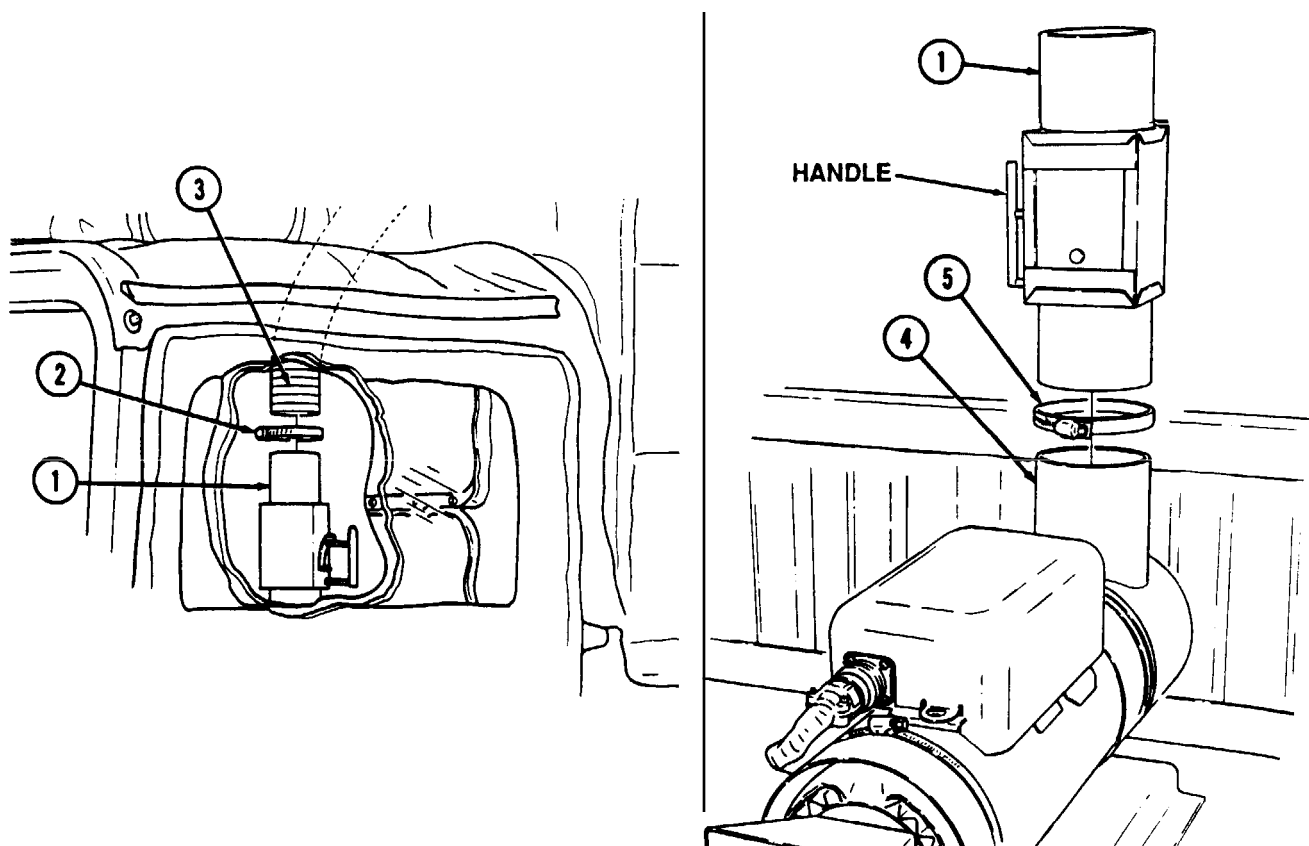
1. Remove clamp (2) and flex duct (3) from diverter assembly (1).
2. Remove clamp (5) and diverter assembly (1) from air inlet adapter (4).

b. Installation

WARNING

Ensure handle on diverter assembly is facing toward left side of vehicle. Improper installation of the diverter assembly may cause serious injury to personnel.

1. Install diverter assembly (1) on air inlet adapter (4) with clamp (5).
2. Install flex duct (3) on diverter assembly (1) with clamp (2).



12-102. TROOP/CARGO WINTERIZATION HEATER AIR INTAKE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Three locknuts (Appendix G, Item 133.11)
Four locknuts (Appendix G, Item 133.10)

Manual References

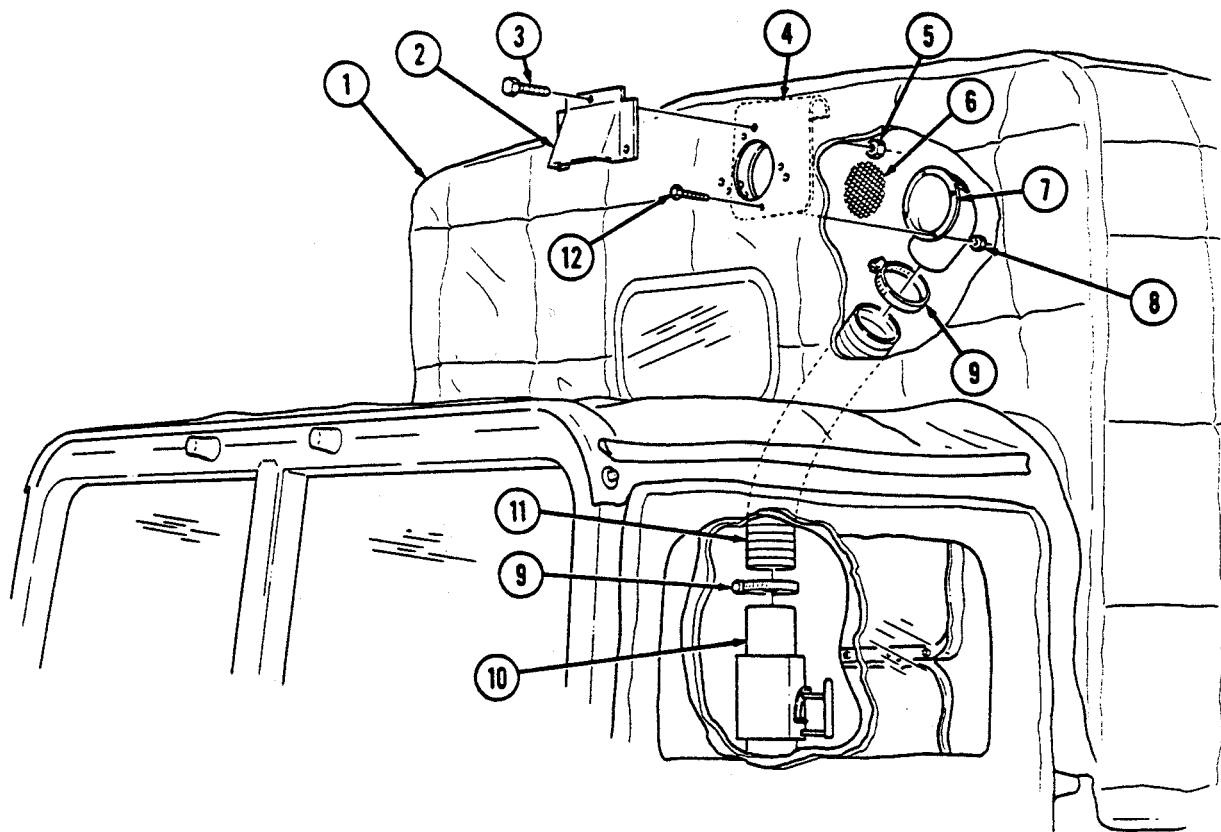
TM 9-2320-387-24P

a. Removal

1. Remove two clamps (9) and flex duct (11) from diverter assembly (10) and adapter (7).
2. Remove three locknuts (5), capscrews (3), and hood (2), from top cover assembly (1) and plate (4). Discard locknuts (5).
3. Remove four locknuts (8), screws (12), adapter (7), and screen (6) from plate (4). Discard locknuts (8).

b. Installation

1. Install screen (6) and adapter (7) on plate (4) with four screws (12) and locknuts (8).
2. Install hood (2) on top cover assembly (1) and plate (4) with three capscrews (3) and locknuts (5).
3. Install flex duct (11) on adapter (7) and diverter assembly (10) with two clamps (9).



12-103. TROOP/CARGO WINTERIZATION HEATER BASE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Gasket (Appendix G, Item 56.1)
Six lockwashers (Appendix G, Item 190.4)

Manual References

TM 9-2320-387-24P

Equipment Condition

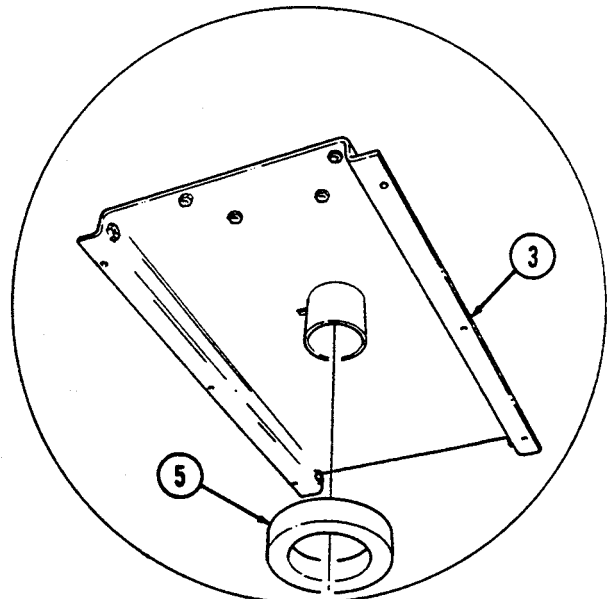
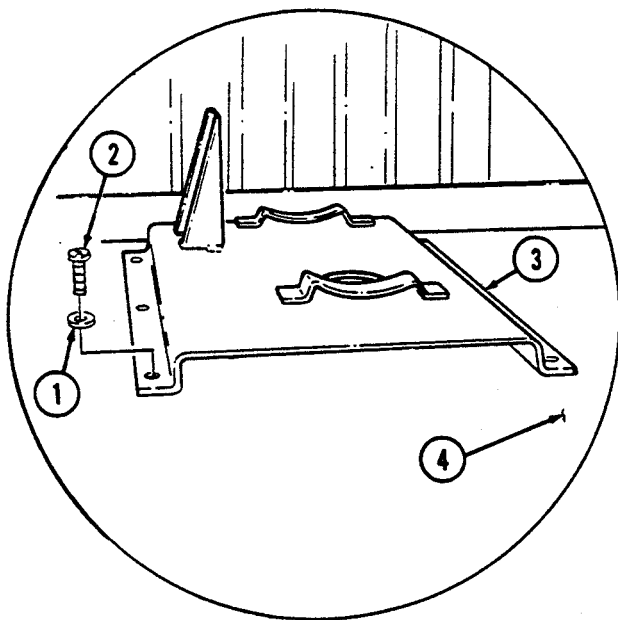
- Heater assembly removed (para. 12-100).
- Heater fuel filter assembly removed (para. 12-87).
- Heat deflector removed (para. 12-99).

a. Removal

1. Remove six capscrews (2), lockwashers (1), and heater base assembly (3) from cargo floor cover (4). Discard lockwashers (1).
2. Remove gasket (5) from heater base assembly (3). Discard gasket (5).

b. Installation

1. Install gasket (5) on heater base assembly (3).
2. Install heater base assembly (3) on cargo floor cover (4) with six lockwashers (1) and capscrews (2).



- FOLLOW-ON TASKS:
- Install heat deflector (para. 12-99).
 - Install fuel filter assembly (para. 12-87).
 - Install heater assembly (para. 12-100).

12-104. TROOP/CARGO WINTERIZATION FLOOR BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

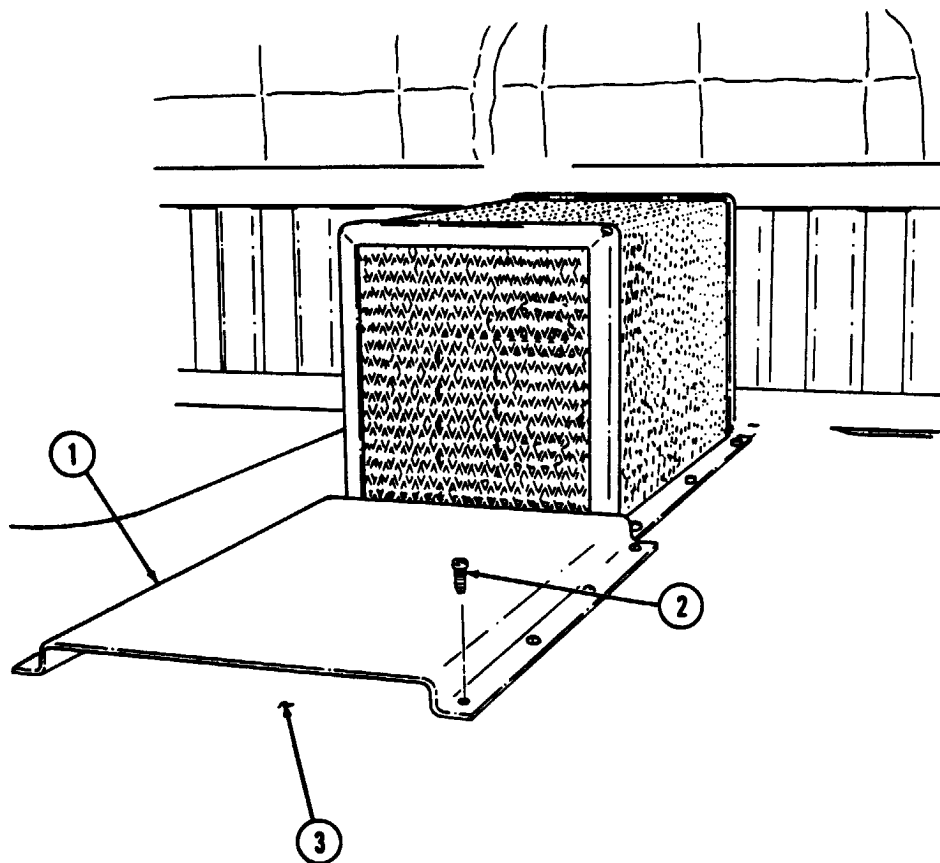
General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

Remove eight screws (2) and floor bracket (1) from front cargo floor cover (3).

b. Installation

Install floor bracket (1) on front cargo floor cover (3) with eight screws (2).



12-105. TROOP/CARGO WINTERIZATION HEATER CONTROL BOX AND ANGLE BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 8)
Two locknuts (Appendix G, Item 133.11)
Two lockwashers (Appendix G, Item 190.5)
Tiedown strap (Appendix G, Item 329.1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Battery ground cable disconnected (para. 4-68).

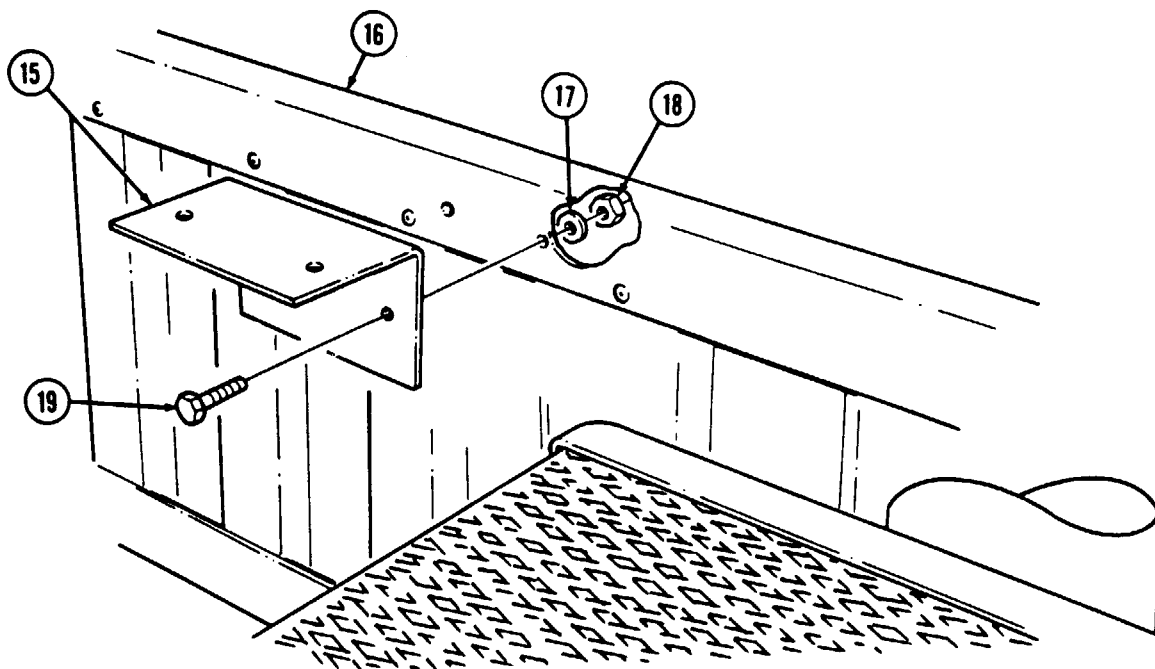
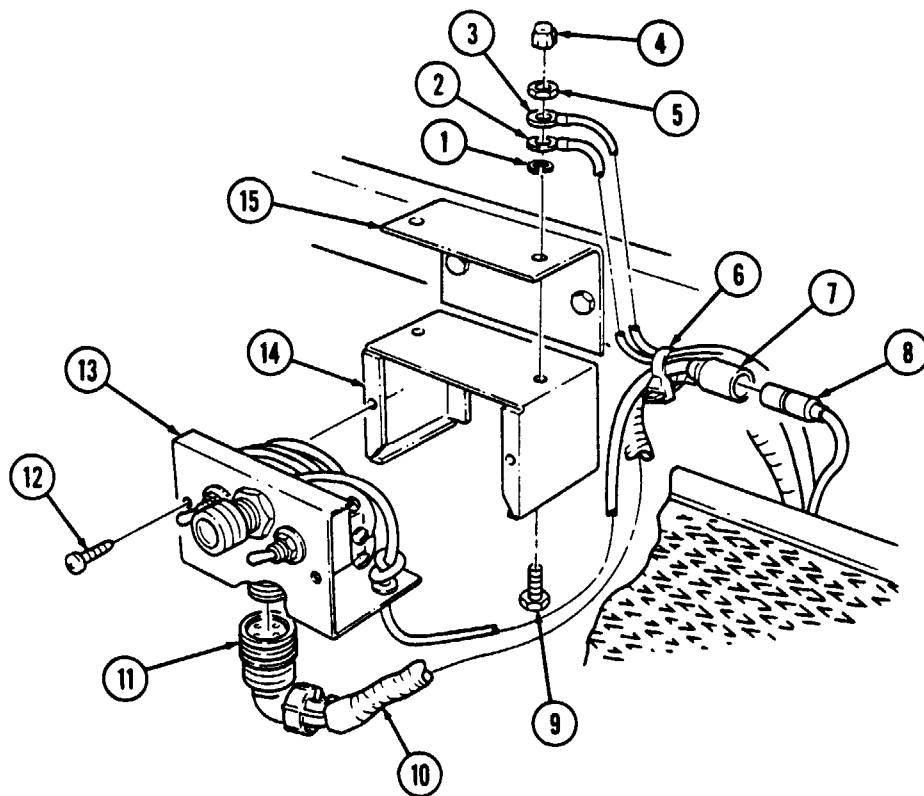
a. Removal

1. Disconnect control box lead 400 (7) from harness lead 1C (8).
2. Remove tiedown strap (6) from ground lead 2C (3), ground lead (2), control box lead 400 (7), and heater wiring harness (10). Discard tiedown strap (6).
3. Disconnect cannon plug (11) from inner shell (13).
4. Remove two screws (12) and control box inner shell (13) from outer shell (14),
5. Remove two crown nuts (4), nuts (5), lockwashers (1), capscrews (9), ground lead 2C (3), ground lead (2), and outer shell (14) from angle bracket (15). Discard lockwashers (1).
6. Remove two locknuts (18), washers (17), capscrews (19), and angle bracket (15) from cargo bulkhead (16). Discard locknuts (18).

b. Installation

1. Install angle bracket (15) on cargo bulkhead (16) with two capscrews (19), washers (17), and locknuts (18).
2. Install outer shell (14), ground lead (2), and ground lead 2C (3) to angle bracket (15) with two capscrews (9), lockwashers (1), and nuts (5).
3. Apply adhesive to exposed threads of two capscrews (9) and install two crown nuts (4) on capscrews (9).
4. Install inner shell (13) on outer shell (14) with two screws (12).
5. Connect cannon plug (11) to inner shell (13).
6. Connect control box lead 400 (7) to harness lead 1C (8).
7. Install tiedown strap (6) on ground lead 2C (3), ground lead (2), control box lead 400 (7), and heater wiring harness (10).

12-105. TROOP/CARGO WINTERIZATION HEATER CONTROL BOX AND ANGLE BRACKET REPLACEMENT (Cont'd)



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check for proper operation of troop/cargo heater (TM 9-2320-387-10).

12-106. TROOP/CARGO WINTERIZATION HEATER WIRING HARNESS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 8)
Two lockwashers (Appendix G, Item 174)
Lockwasher (Appendix G, Item 190.5)
Tiedown strap (Appendix G, Item 327)
Tiedown strap (Appendix G, Item 329.1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

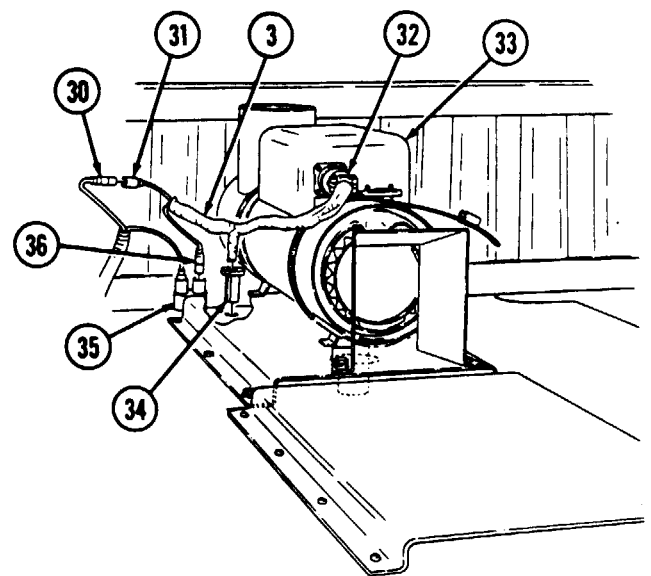
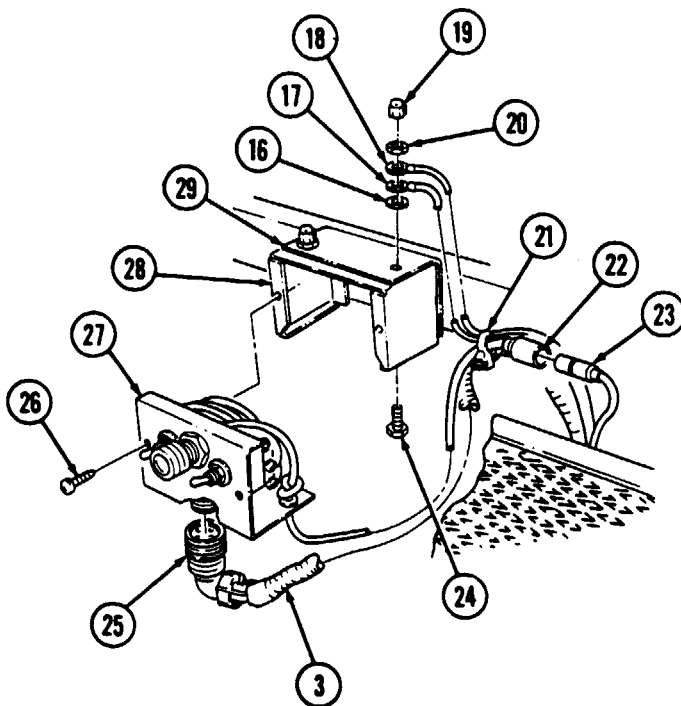
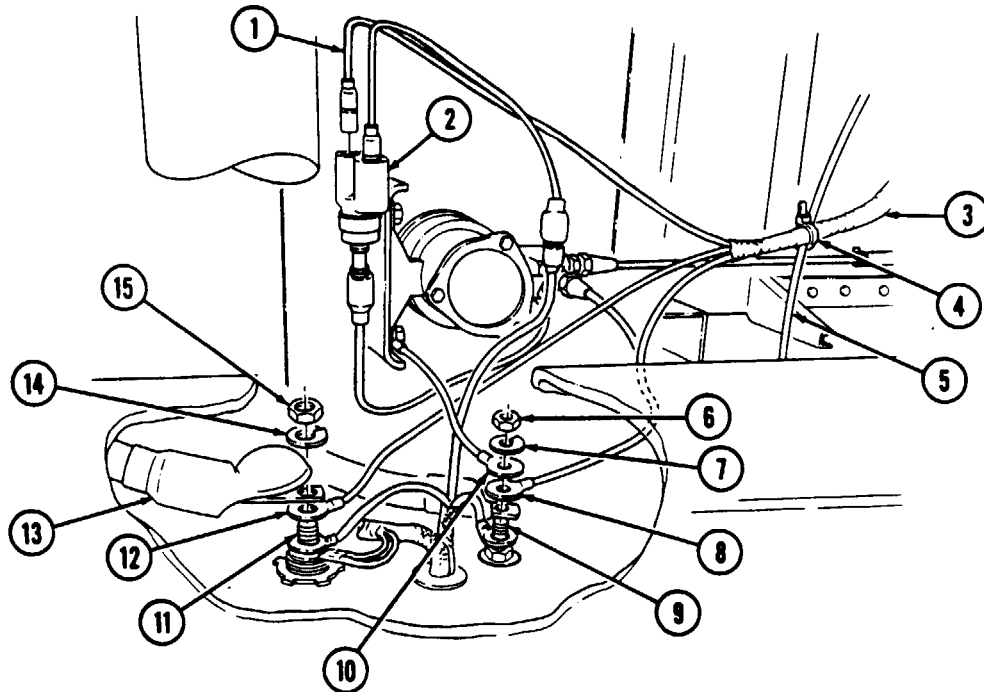
Battery ground cable disconnected (para. 4-68).

a. Removal

NOTE

- Depending on what kits are installed on the vehicle, there may be unidentified leads on the shunt stud and power stud. These leads must remain on the studs.
- Prior to removal, tag leads for installation.

1. Remove nut (6), lockwasher (7), fuel pump ground lead 799B (10) and lead 2A (8) from shunt stud (9). Discard lockwasher (7).
2. Remove nut (15), lockwasher (14), starter cable (13), and lead 1A (12) from power stud (11). Discard lockwasher (14).
3. Disconnect lead FP (1) from adapter (2).
4. Remove tiedown strap (4) and heater wiring harness (3) from transmission vacuum line (5). Discard tiedown strap (4).
5. Disconnect cannon plug (25) from control box inner shell (27).
6. Remove two screws (26) and control box inner shell (27) from outer shell (28).
7. Remove crown nut (19), nut (20), lockwasher (16), capscrew (24), ground lead 2C (18), and ground lead (17) from angle bracket (29). Discard lockwasher (16).
8. Disconnect lead 1C (23) from control box lead 400 (22).
9. Remove tiedown strap (21) from ground lead 2C (18), ground lead (17), control box lead 400 (22), and heater wiring harness (3). Discard tiedown strap (21).
10. Disconnect lead 2B (31) from lead 2A (30).
11. Disconnect lead 1B (36) from circuit breaker (35).
12. Disconnect cannon plug (32) from heater (33) and remove heater wiring harness (3).
13. Remove plastic sleeve (34) from heater wiring harness (3).

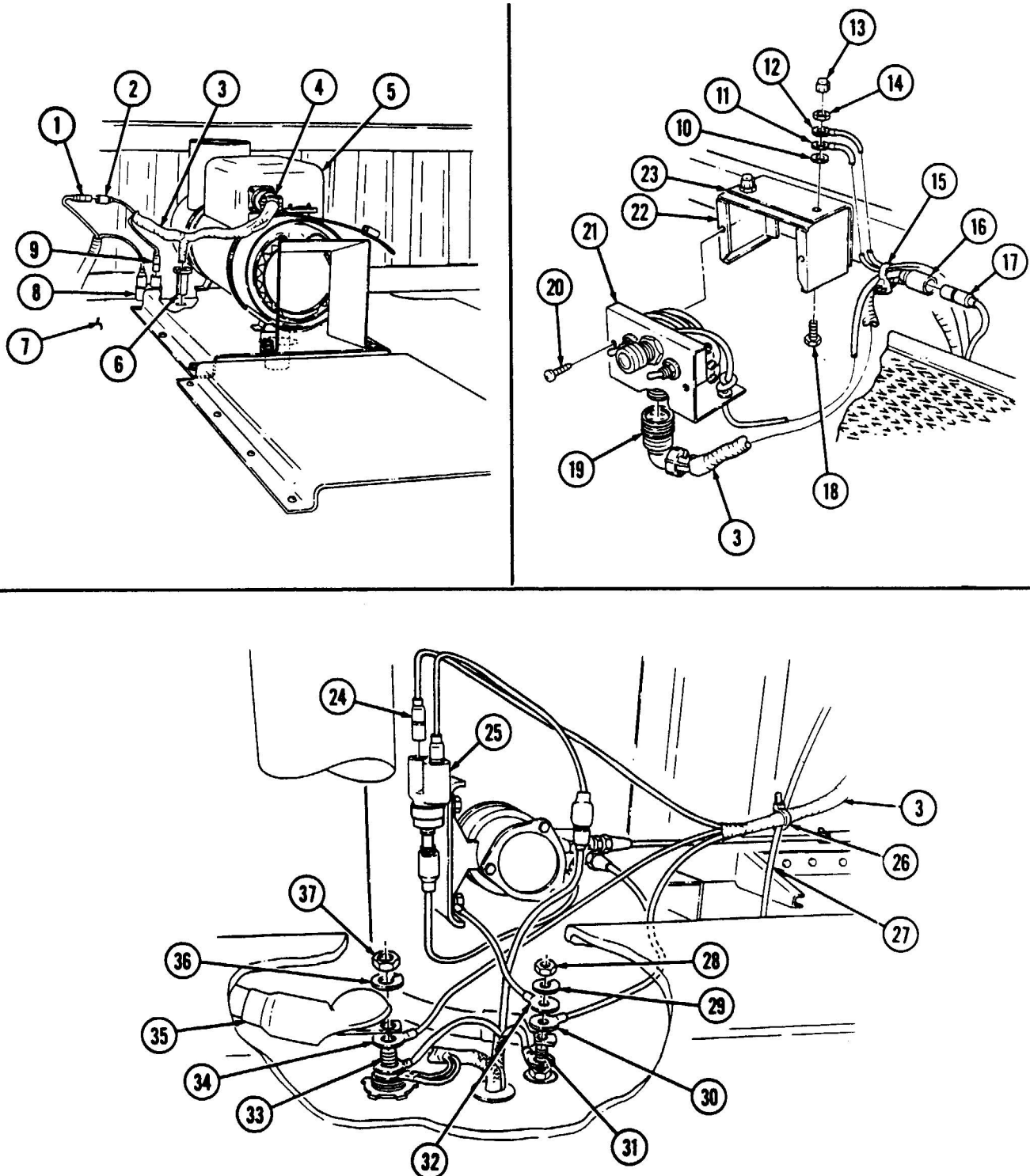
**12-106. TROOP/CARGO WINTERIZATION HEATER WIRING HARNESS REPLACEMENT
(Cont'd)**

12-106. TROOP/CARGO WINTERIZATION HEATER WIRING HARNESS REPLACEMENT (Cont'd)

b. Installation

1. Install heater wiring harness (3) through cargo floor (7), and position plastic sleeve (6) around harness (3). Insert plastic sleeve (6) into cargo floor (7).
2. Connect cannon plug (4) to heater (5).
3. Connect lead 1B (9) to circuit breaker (8).
4. Connect lead 2B (2) to lead 2A (1).
5. Connect lead 1C (17) to control box lead 400 (16).
6. Install ground lead (11) and ground lead 2C (12) on angle bracket (23) with capscrew (18), lockwasher (10), and nut (14).
7. Apply adhesive to exposed threads of capscrew (18) and install crown nut (13) on capscrew (18).
8. Install control box inner shell (21) on outer shell (22) with two screws (20).
9. Connect cannon plug (19) to control box inner shell (21).
10. Install tiedown strap (15) on ground lead 2C (12), ground lead (11), control box lead 400 (16), and heater wiring harness (3).
11. Connect lead FP (24) to adapter (25).
12. Install lead 1A (34) and starter cable (35) on power stud (33) with lockwasher (36) and nut (37).
13. Install lead 2A (30) and fuel pump ground lead 799B (32) on shunt stud (31) with lockwasher (29) and nut (28).
14. Install heater wiring harness (3) to transmission vacuum line (27) with tiedown strap (26).

12-106. TROOP/CARGO WINTERIZATION HEATER WIRING HARNESS REPLACEMENT (Cont'd)



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check for proper operation of troop/cargo heater (TM 9-2320-387-10).

12-107. TROOP/CARGO WINTERIZATION HEATER WIRING HARNESS ADAPTER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Locknut (Appendix G, Item 77)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Battery ground cable disconnected (para. 4-68).

a. Removal

1. Disconnect fuel pump lead (11) from connector (5).
2. Disconnect connector (5) from adapter (4).
3. Disconnect lead FP (1) from adapter (4).

NOTE

Perform step 4 if vehicle is equipped with front arctic heater.
Perform step 5 if vehicle is not equipped with front arctic heater.

4. Disconnect fuel pump jumper lead (6) from adapter (4).
5. Disconnect plug (2) and plug shell (3) from adapter (4).
6. Remove locknut (13), washer (14), capscrew (9), washer (8), fuel pump (10), clamp (12), and adapter (4) from bracket (7). Discard locknut (13).
7. Remove clamp (12) from adapter (4).

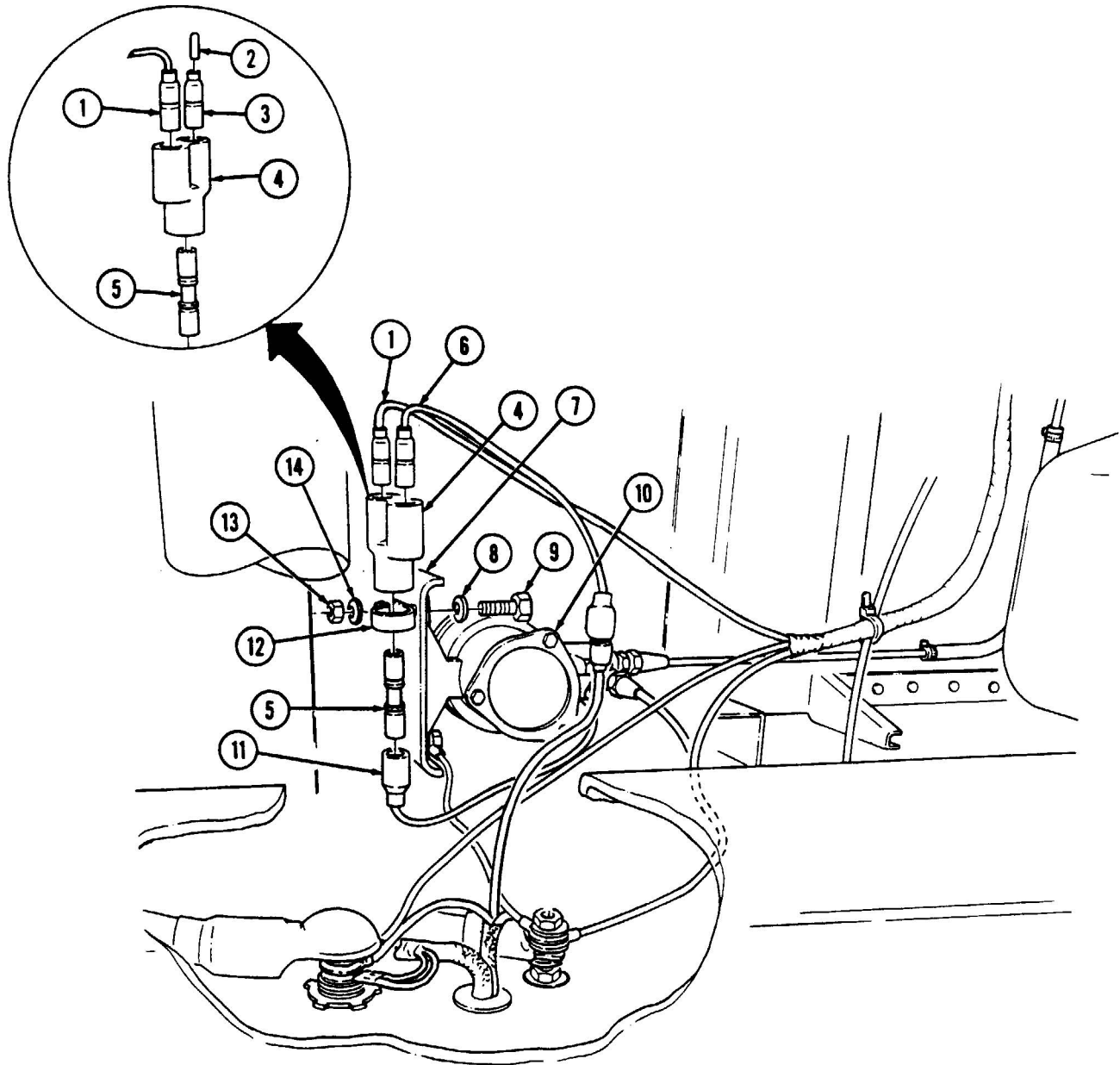
b. Installation

1. Install clamp (12) on adapter (4).
2. Install fuel pump (10), clamp (12), and adapter (4) on bracket (7) with washer (8), capscrew (9), washer (14), and locknut (13).

NOTE

Perform step 3 if vehicle is equipped with front arctic heater.
Perform step 4 if vehicle is not equipped with front arctic heater.

3. Connect fuel pump jumper lead (6) to adapter (4).
4. Connect plug shell (3) and plug (2) to adapter (4).
5. Connect lead FP (1) to adapter (4).
6. Connect connector (5) to adapter (4).
7. Connect fuel pump lead (11) to connector (5).

**12-107. TROOP/CARGO WINTERIZATION HEATER WIRING HARNESS ADAPTER
REPLACEMENT (Cont'd)**

FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check for proper operation of troop/cargo heater (TM 9-2320-387-10).

12-108. TROOP/CARGO WINTERIZATION CIRCUIT BREAKER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Battery ground cable disconnected (para. 4-68).

NOTE

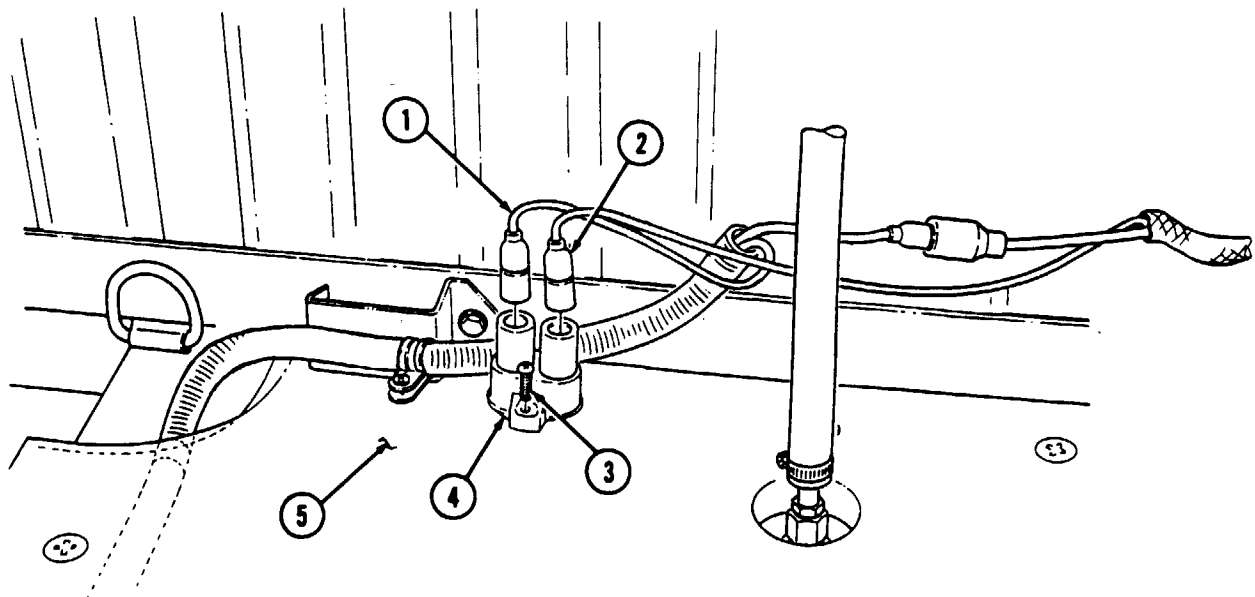
Prior to removal, tag leads for installation.

a. Removal

1. Disconnect heater harness lead 1B (2) from circuit breaker (4).
2. Disconnect blackout/dome light harness lead 1A (1) from circuit breaker (4).
3. Remove two screws (3) and circuit breaker (4) from front cargo floor cover (5).

b. Installation

1. Install circuit breaker (4) on front cargo floor cover (5) with two screws (3).
2. Connect blackout/dome light harness lead 1A (1) to circuit breaker (4).
3. Connect heater harness lead 1B (2) to circuit breaker (4).



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check for proper operation of troop/cargo heater (TM 9-2320-387-10).

12-109. TROOP/CARGO WINTERIZATION BLACKOUT CURTAIN REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Eighteen locknuts (Appendix G, Item 101.9)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

NOTE

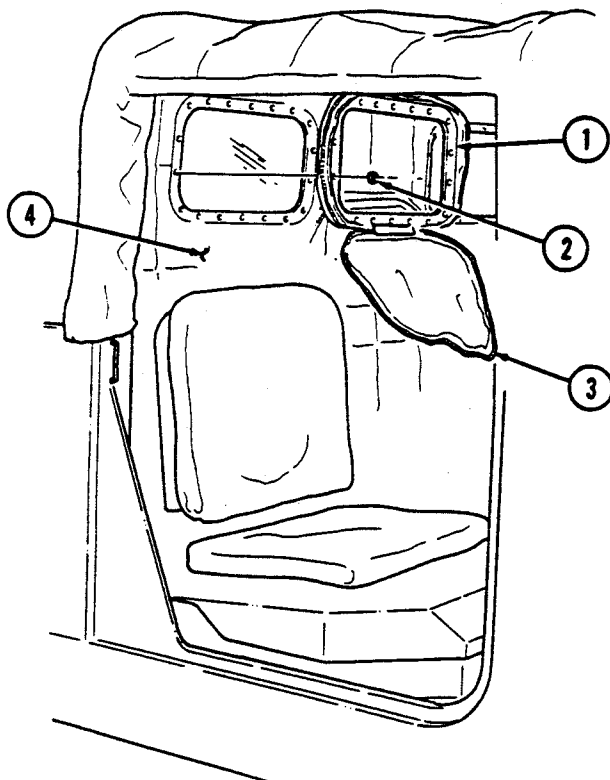
There are two blackout curtains located in the driver's compartment. There is also a blackout curtain located above the driver's compartment on the troop/cargo enclosure assembly. This blackout curtain opens from inside the enclosure assembly. The replacement procedures for all blackout curtains are basically the same. The following replacement instructions cover the right blackout curtain in the driver's compartment.

a. Removal

Remove eighteen locknuts (2), blackout curtain (3), and retainer (1) from arctic curtain (4). Discard locknuts (2).

b. Installation

Install blackout curtain (3) and retainer (1) on arctic curtain (4) with eighteen locknuts (2).



12-110. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT WIRING HARNESS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

- Battery ground cable disconnected (para. 4-68).
- Cargo floor cover removed (para. 12-115).
- Blackout/dome light switch removed (para. 12-111).
- Blackout/dome light door switch removed (para. 12-112).

NOTE

Prior to removal, tag leads for installation.

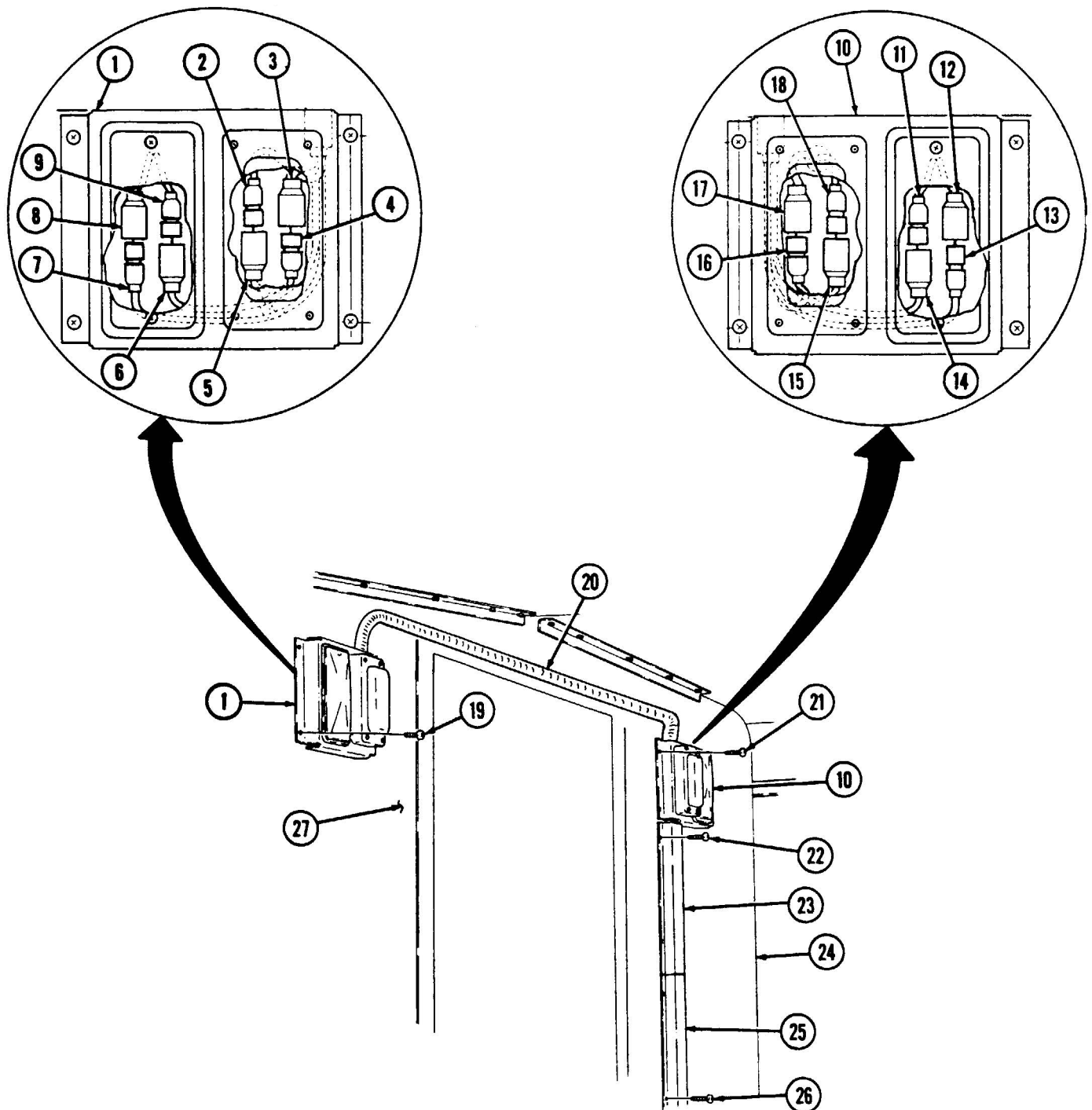
a. Removal

1. Remove four screws (22) and upper side channel (23) from left end closure (24).
2. Remove ten screws (26) and lower side channel (25) from left end closure (24).
3. Remove four screws (19) and right blackout/dome light assembly (1) from right end closure (27).
4. Disconnect harness leads 712C (7) and 719C (6) from dome light leads 711/712 (8) and 719 (9).
5. Disconnect harness leads 711C (2) and 2C (3) from blackout light leads 711/712 (5) and 717 (4).
6. Remove four screws (21) and left blackout/dome light assembly (10) from left end closure (24).
7. Disconnect harness leads 712B (13) and 719B (14) from dome light leads 711/712 (12) and 719 (11).
8. Disconnect harness leads 711B (16) and 2B (15) from blackout light leads 711/712 (17) and 717 (18) and remove wiring harness (20).

b. Installation

1. Connect harness leads 711B (16) and 2B (15) to blackout light leads 711/712 (17) and 717 (18).
2. Connect harness leads 712B (13) and 719B (14) to dome light leads 711/712 (12) and 719 (11).
3. Install left blackout/dome light assembly (10) on left end closure (24) with four screws (21).
4. Connect harness leads 711C (2) and 2C (3) to blackout light leads 711/712 (5) and 717 (4).
5. Connect harness leads 712C (7) and 719C (6) to dome light leads 711/712 (8) and 719 (9).
6. Install right blackout/dome light assembly (1) on right end closure (27) with four screws (19).
7. Install wiring harness (20) under lower side channel (25) and install lower side channel (25) to left end closure (24) with ten screws (26).
8. Install wiring harness (20) under upper side channel (23) and install upper side channel (23) to left end closure (24) with four screws (22).

12-110. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT WIRING HARNESS REPLACEMENT (Cont'd)



- FOLLOW-ON TASKS:
- Install blackout/dome light door switch (para. 12-112).
 - Install blackout/dome light switch (para. 12-111).
 - Install cargo floor cover (para. 12-115).
 - Connect battery ground cable (para. 4-68).
 - Check blackout light and dome light for proper operation (TM 9-2320-387-10).

12-111. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT SWITCH REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Battery ground cable disconnected (para. 4-68).

a. Removal

1. Remove nut (7) from box (3).
2. Remove two screws (2), box (3), and switch (9) from upper side channel (1) and lower side channel (4).
3. Inspect decal (8) and remove from box (3) if decal (8) is damaged or illegible.

NOTE

Prior to removal, tag leads for installation.

4. Remove three screws (5), washers (11), and leads 711A (6), 1B (12), and 712A (10) from switch (9).

b. Installation

NOTE

Ensure lead 711A is positioned on top switch contact, and keyway is on bottom of switch.

1. Install leads 711A (6), 1B (12), and 712A (10) on switch (9) with three washers (11) and screws (5). Do not tighten screws (5).
2. Install decal (8) on box (3), if removed.

NOTE

Ensure keyway in switch is toward the BLACKOUT position on box when installed.

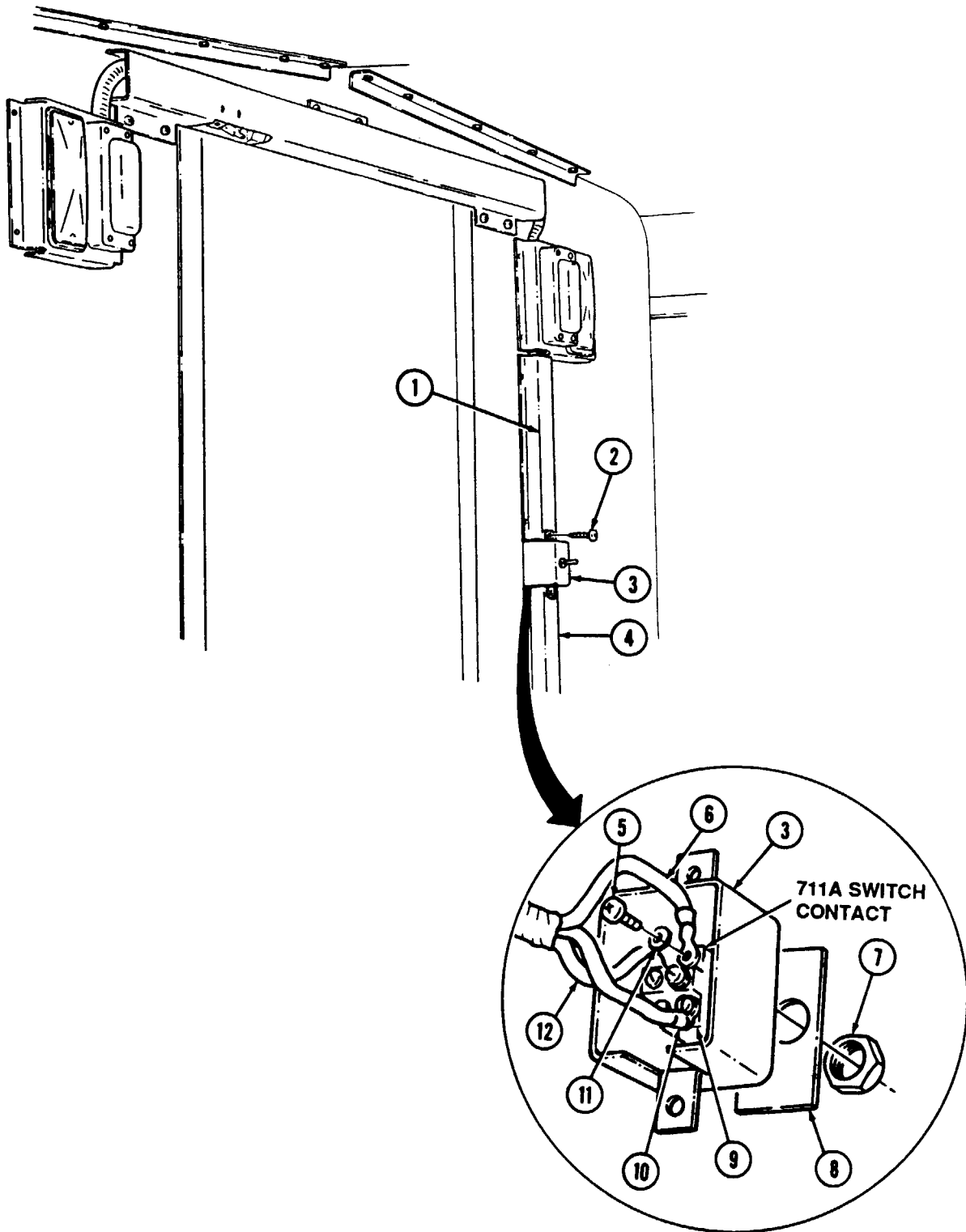
3. Install switch (9) on box (3) with nut (7).
4. Tighten three screws (5) installed in step 1.

NOTE

Ensure electrical harness lead are not binding during box installation.

5. Install box (3) on upper side channel (1) and lower side channel (4) with two screws (2).

12-111. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT SWITCH REPLACEMENT (Cont'd)



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check blackout light and dome light for proper operation (TM 9-2320-387-10).

12-112. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT DOOR SWITCH REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 133.10)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

Equipment Condition

Battery ground cable disconnected (para. 4-68).

a. Removal

1. Remove six screws (2) and top channel (1) from left end closure (3) and right end closure (4).
2. Remove four screws (7), locknuts (5), four clamps (6), and wiring harness (11) from top channel (1). Discard locknuts (5).
3. Remove two screws (12), nuts (8), washers (9), and switch (10) from top channel (1).

NOTE

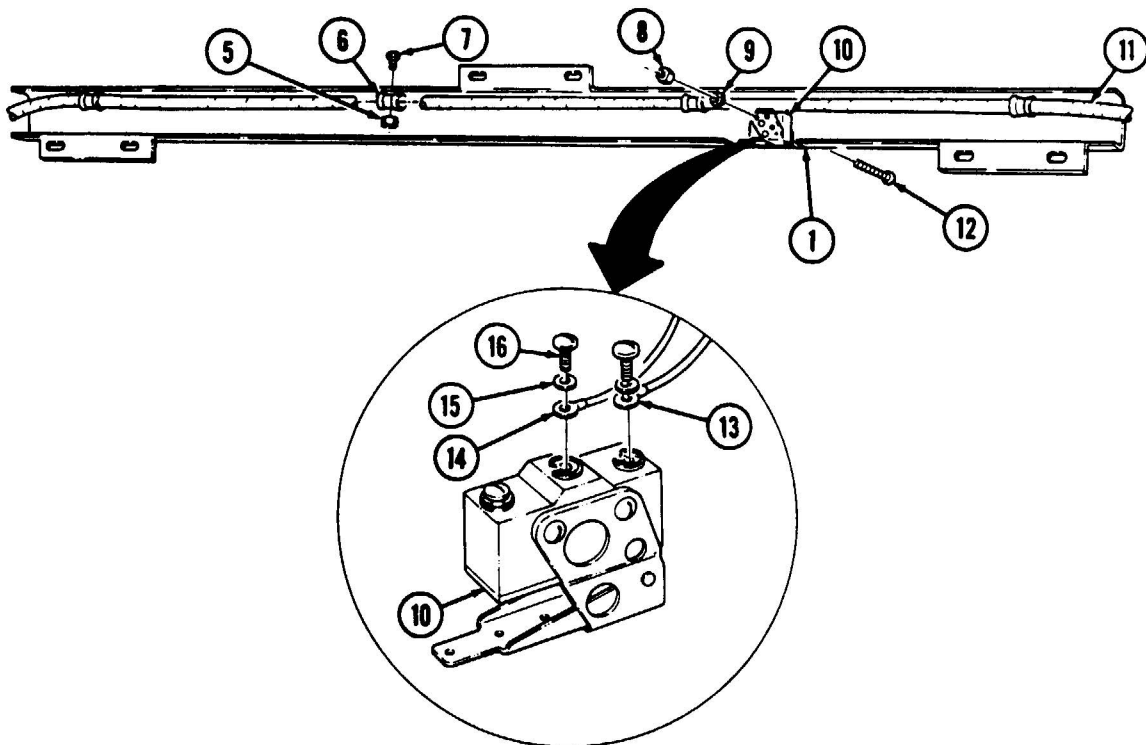
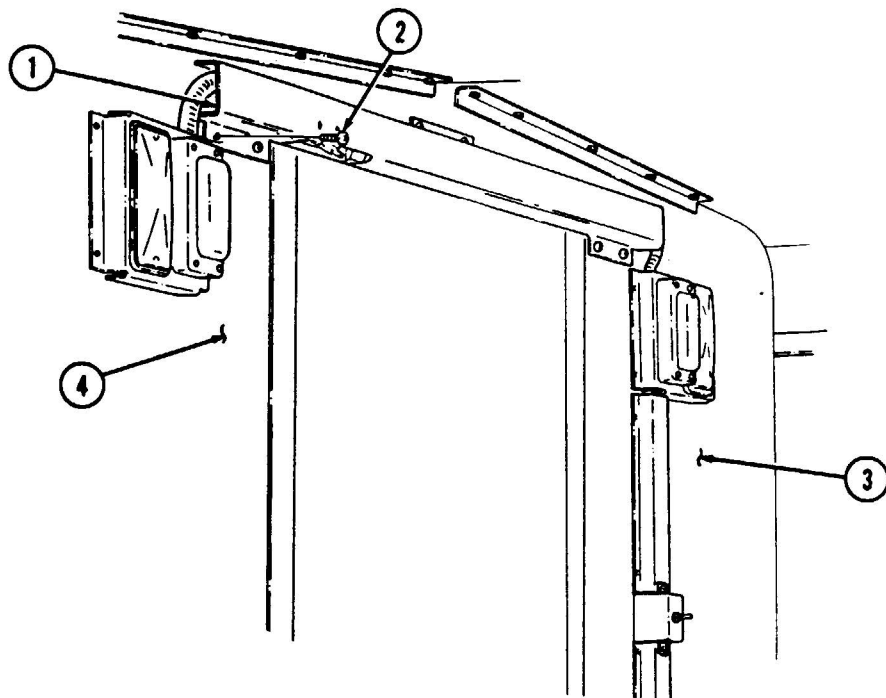
Prior to removal, tag leads for installation.

4. Remove two screws (16), washers (15), and leads 719A (14) and 2D (13) from switch (10).

b. Installation

1. Install leads 719A (14) and 2D (13) on switch (10) with two washers (15) and screws (16).
2. Install switch (10) on top channel (1) with two screws (12), washers (9), and nuts (8).
3. Install four clamps (6) and wiring harness (11) on top channel (1) with four screws (7) and locknuts (5).
4. Install top channel (1) on left end closure (3) and right end closure (4) with six screws (2).

12-112. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT DOOR SWITCH REPLACEMENT (Cont'd)



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check blackout light and dome light for proper operation (TM 9-2320-387-10).

12-113. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Battery ground cable disconnected (para. 4-68).

NOTE

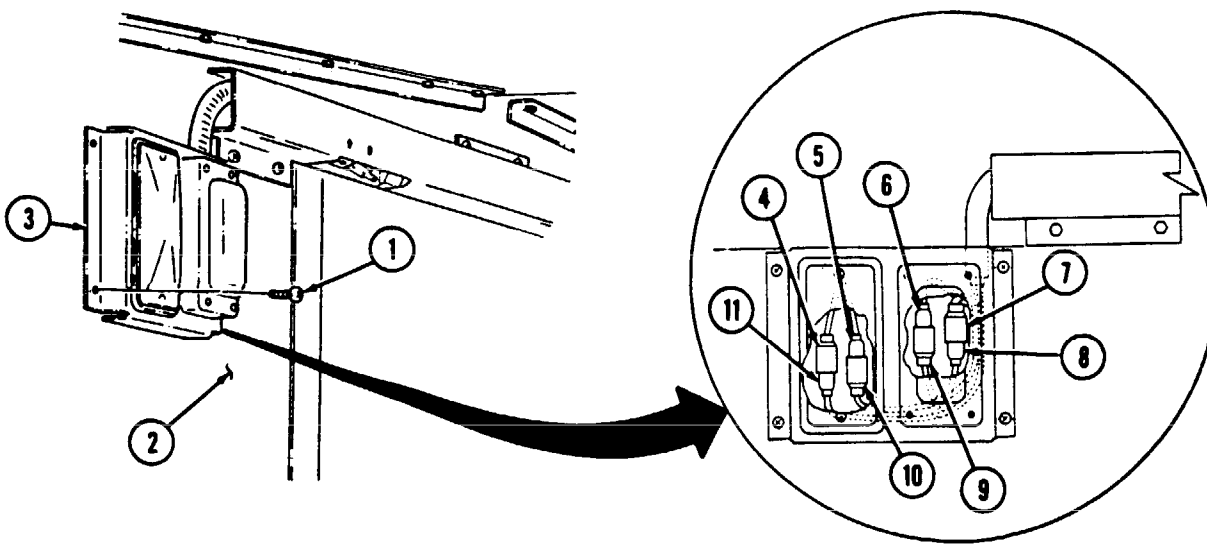
- Replacement instructions for left and right blackout/dome light assemblies are the same. This procedure covers right blackout/dome light assembly.
- Prior to removal, tag leads for installation.

a. Removal

1. Remove four screws (1) from blackout/dome light assembly (3) and right end closure (2).
2. Disconnect blackout light leads 717 (8) and 711/712 (9) from leads 2C (7) and 711C (6).
3. Disconnect dome light leads 719 (5) and 711/712 (4) from leads 719C (10) and 712C (11) and remove blackout/dome light assembly (3).

b. Installation

1. Connect dome light leads 719 (5) and 711/712 (4) to leads 719C (10) and 712C (11).
2. Connect blackout light leads 717 (8) and 711/712 (9) to leads 2C (7) and 711C (6).
3. Install blackout/dome light assembly (3) on right end closure (2) with four screws (1).



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check blackout light and dome light for proper operation (TM 9-2320-387-10).

12-114. TROOP/CARGO WINTERIZATION BLACKOUT/DOME LIGHT LAMP REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-10

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Battery ground cable disconnected (para. 4-68).

a. Removal

NOTE

Perform steps 1 and 2 for blackout light lamp removal. Perform steps 3 and 4 for dome light lamp removal.

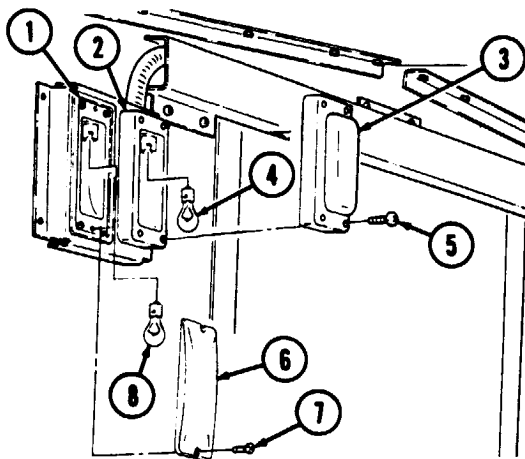
1. Remove four screws (5) and blackout light cover and lens assembly (3) from light body (2).
2. Remove lamp (4) from light body (2).
3. Remove two screws (7) and dome light cover and lens assembly (6) from light body (1).
4. Remove lamp (8) from light body (1).

b. Installation

NOTE

Perform steps 1 and 2 for blackout light lamp installation.
Perform steps 3 and 4 for dome light lamp installation.

1. Install lamp (4) in light body (2).
2. Install blackout light cover and lens assembly (3) on light body (2) with four screws (5).
3. Install lamp (8) in light body (1).
4. Install dome light cover and lens assembly (6) on light body (1) with two screws (7).



FOLLOW-ON TASKS:

- Connect battery ground cable (para. 4-68).
- Check blackout light and dome light for proper operation (TM 9-2320-387-10).

12-115. TROOP/CARGO WINTERIZATION FRONT AND REAR CARGO FLOOR COVER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 101.10)
Six platenuts (Appendix G, Item 247.1)
Nine rivnuts (Appendix G, Item 272.1)

Manual References

TM 9-2320-387-24P

Equipment Condition

- Heater base assembly removed (para. 12-103).
- Heater wiring harness removed (para. 12-106).
- Circuit breaker removed (para. 12-108).
- Skid strips removed (para. 12-116).
- Side wheelhousing covers removed (para. 12-120).

a. Removal

1. Remove screw (1) and clamp (2) from blackout/dome light wiring harness (3) and front cargo floor cover (4).
2. Remove two locknuts (11), washers (10), and screws (8) from door and frame assembly (9), rear cargo floor cover (7), cargo floor (15), and D-beam (14). Discard locknuts (11).
3. Remove two locknuts (12), washers (13), and capscrews (16) from door and frame assembly (9), rear cargo floor cover (7), cargo floor (15), and D-beam (14). Discard locknuts (12).
4. Remove two screws (5) and step latch strip (6) from rear cargo floor cover (7).
5. Remove nine screws (17), front cargo floor cover (4), and rear cargo floor cover (7) from cargo floor (15).
6. Inspect nine rivnuts (18) for damage. Replace if damaged.
7. Inspect six platenuts (19) for damage. Replace if damaged.

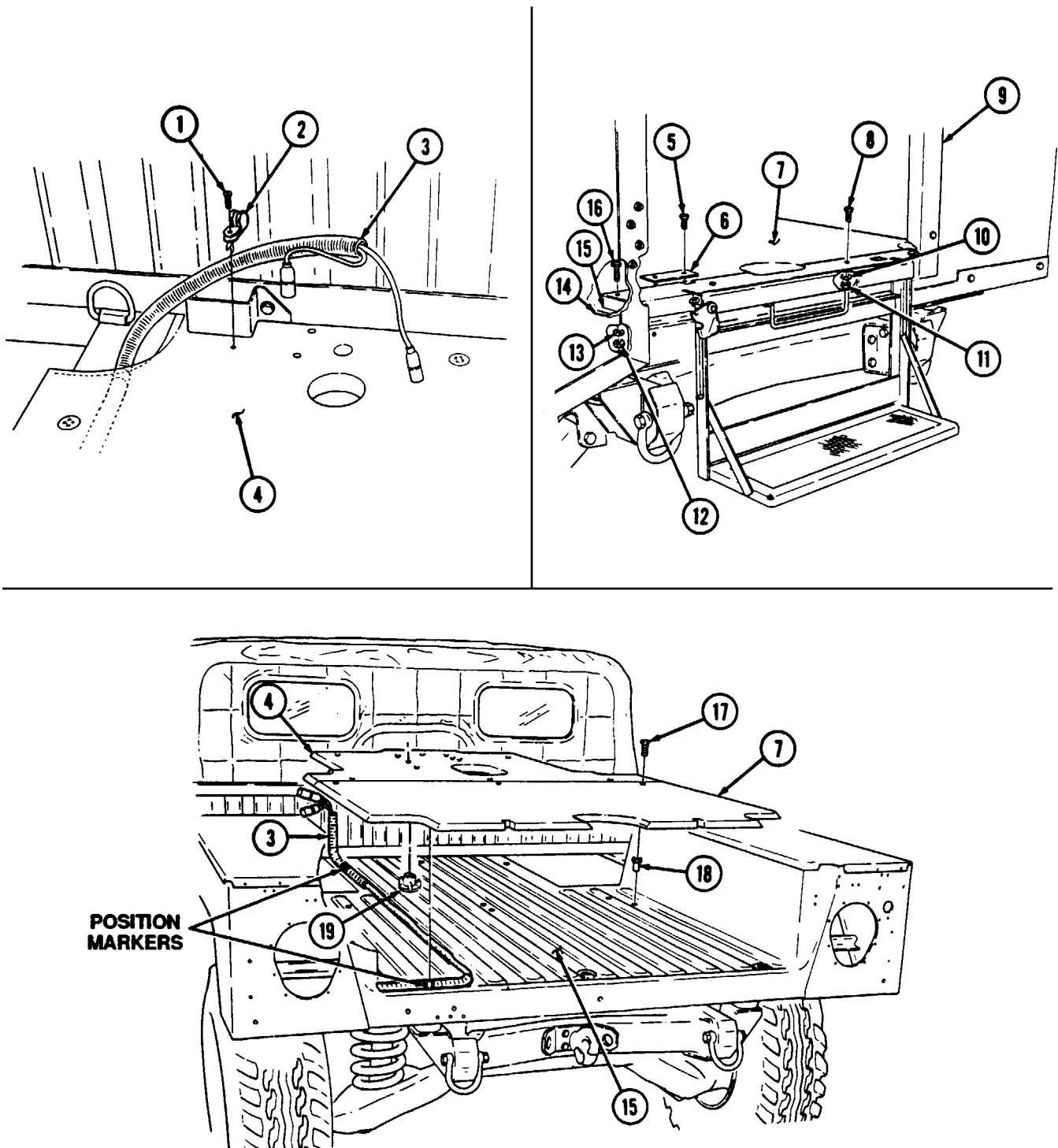
b. Installation

NOTE

Ensure position markers on blackout/dome light wiring harness extend beyond the front and rear cargo floor covers.

1. Install front cargo floor cover (4) and rear cargo floor cover (7) on cargo floor (15) with nine screws (17).
2. Install step latch strip (6) on rear cargo floor cover (7) with two screws (5).
3. Install door and frame assembly (9) and rear cargo floor cover (7) on cargo floor (15) and D-beam (14) with two capscrews (16), washers (13), and locknuts (12).
4. Secure door and frame assembly (9) and rear cargo floor cover (7) to cargo floor (15) and D-beam (14) with two screws (8), washers (10), and locknuts (11).
5. Install blackout/dome light wiring harness (3) on front cargo floor (4) with clamp (2) and screw (1).

12-115. TROOP/CARGO WINTERIZATION FRONT AND REAR CARGO FLOOR COVER REPLACEMENT (Cont'd)



- FOLLOW-ON TASKS:
- Install side wheelhousing covers (para. 12-120).
 - Install skid strips (para. 12-116).
 - Install circuit breaker (para. 12-108).
 - Install heater wiring harness (para. 12-106).
 - Install heater base assembly (para. 12-103).

12-116. TROOP/CARGO WINTERIZATION CARGO FLOOR SKID STRIPS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

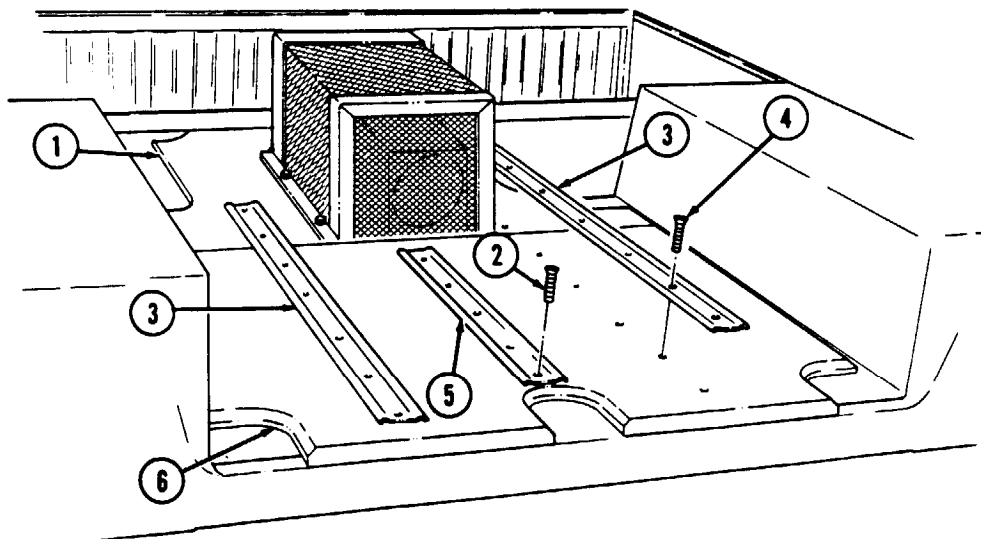
Floor bracket removed (para. 12-104).

a. Removal

1. Remove fourteen screws (4) and two skid strips (3) from front cargo floor cover (1) and rear cargo floor cover (6).
2. Remove five screws (2) and skid strip (5) from rear cargo floor cover (6).

b. Installation

1. Install skid strip (5) on rear cargo floor cover (6) with five screws (2).
2. Install two skid strips (3) to front cargo floor cover (1) and rear cargo floor cover (6) with fourteen screws (4).



FOLLOW-ON TASK: Install floor bracket (para. 12-104).

12-117. TROOP/CARGO WINTERIZATION SEAT BACK COVER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Four locknuts (Appendix G, Item 101.10)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

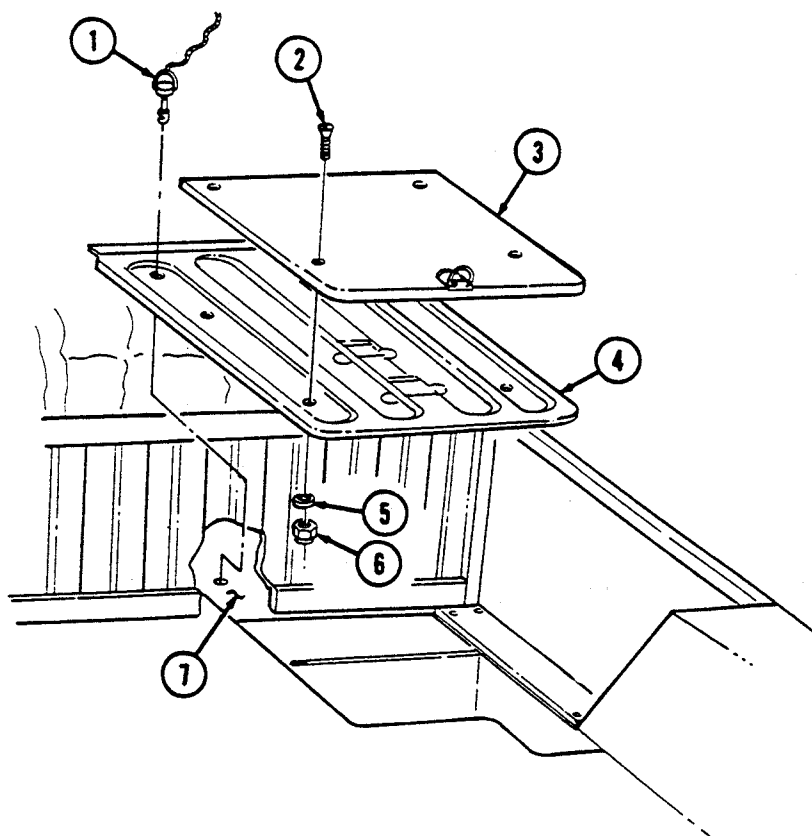
Replacement instructions for left and right seat back covers are the same. This procedure covers right seat back cover.

a. Removal

1. Remove two turn screws (1) and seat back (4) from body (7).
2. Remove four locknuts (6), washers (5), screws (2), and seat back cover (3) from seat back (4). Discard locknuts (6).

b. Installation

1. Install seat back cover (3) on seat back (4) with four screws (2), washers (5), and locknuts (6).
2. Install seat back (4) on body (7) with two turn screws (1).



12-118. TROOP/CARGO WINTERIZATION FIXED DOOR COVER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Two locknuts (Appendix G, Item 101.6)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

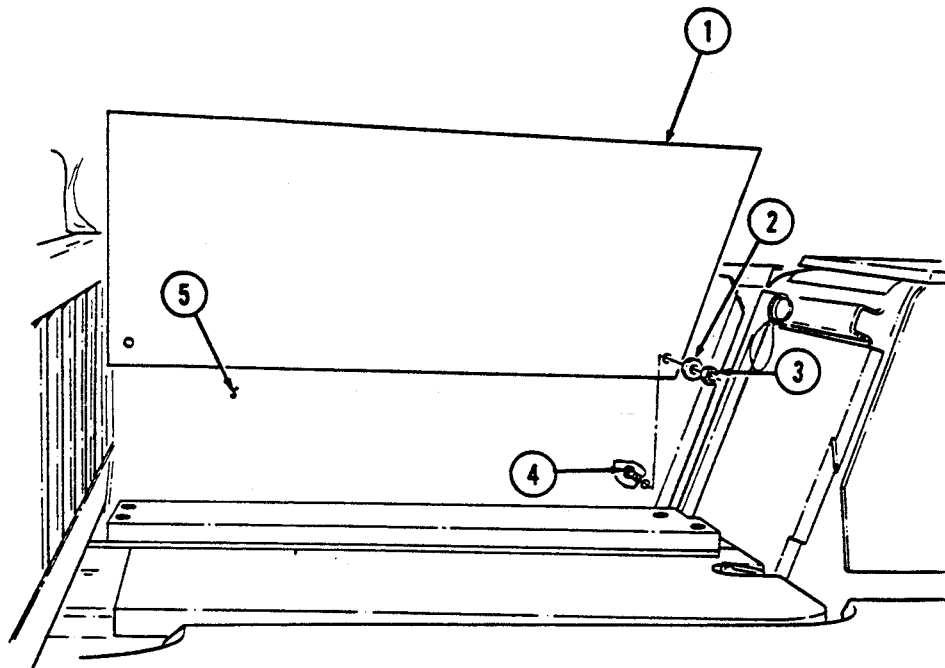
Replacement instructions for left and right fixed door covers are the same. This procedure covers right fixed door cover.

a. Removal

Remove two locknuts (3), washers (2), screws (4), and fixed door cover (1) from fixed door (5). Discard locknuts (3).

b. Installation

Install fixed door cover (1) on fixed door (5) with two screws (4), washers (2), and locknuts (3).



12-119. TROOP/CARGO WINTERIZATION SIDE FLOOR COVER REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Four locknuts (Appendix G, Item 101.10)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-24P

NOTE

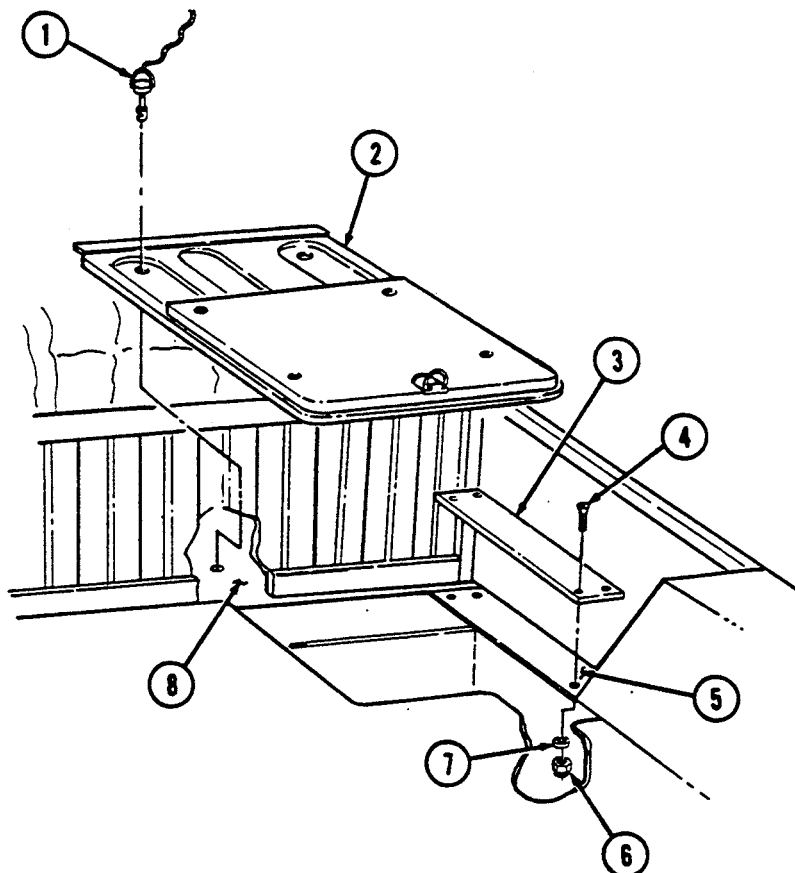
Replacement instructions for left and right side floor covers are the same. This procedure covers right side floor cover.

a. Removal

1. Remove two turn screws (1) and seat back (2) from body (8).
2. Remove four locknuts (6), washers (7), screws (4), and side floor cover (3) from cargo floor (5). Discard locknuts (6).

b. Installation

1. Install side floor cover (3) on cargo floor (5) with four screws (4), washers (7), and locknuts (6).
2. Install seat back (2) on body (8) with two turn screws (1).



12-120. TROOP/CARGO WINTERIZATION WHEELHOUSING COVERS REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Troop seat removed (para. 12-126).

Materials/Parts

Twenty-two locknuts (Appendix G, Item 101.6)

NOTE

Replacement instructions for left and right wheelhousing covers are the same. This procedure covers right wheelhousing covers.

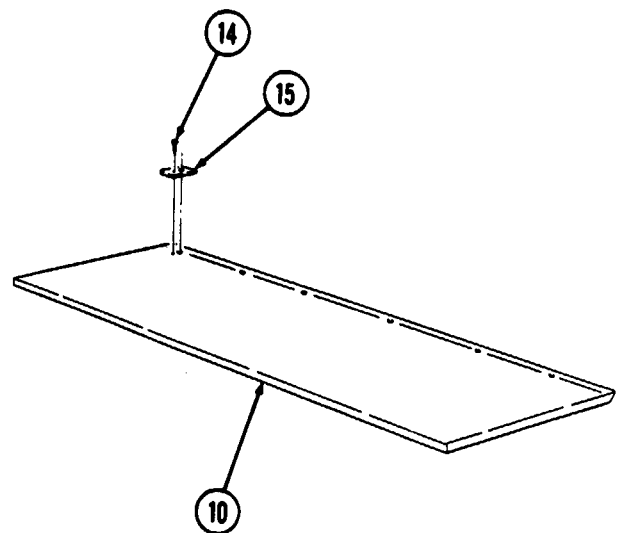
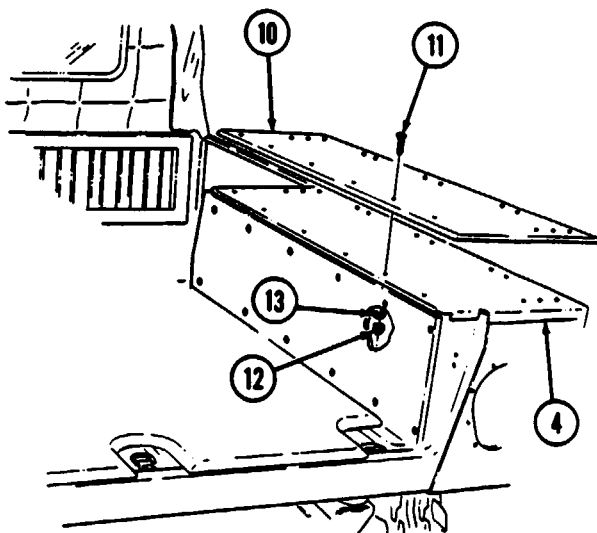
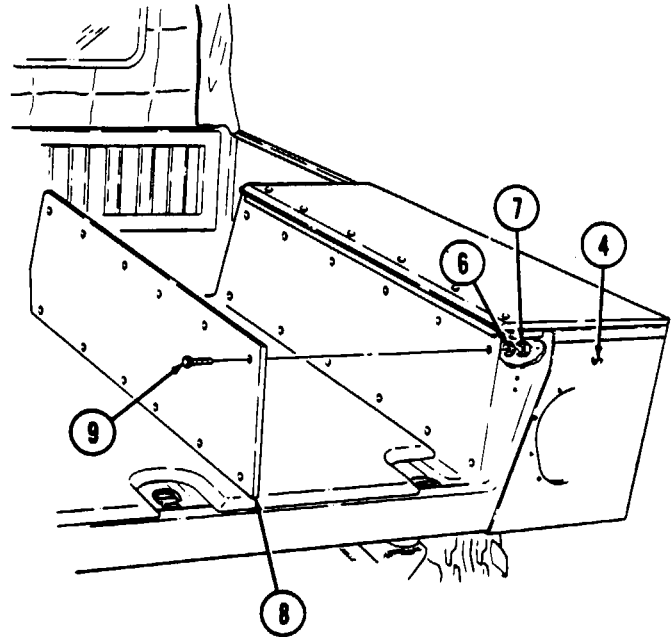
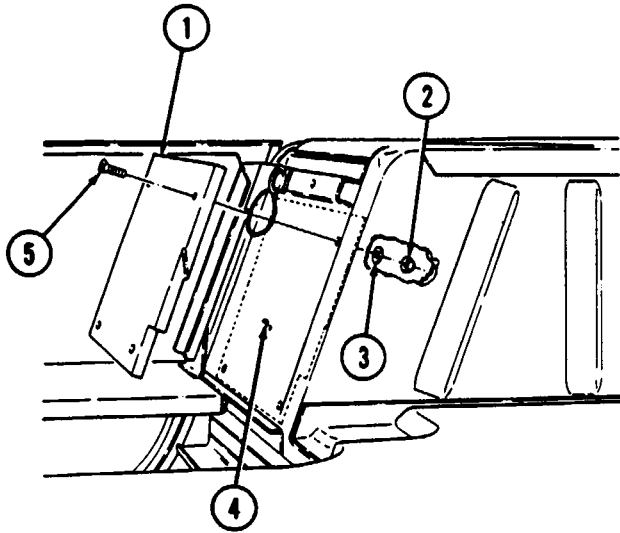
a. Removal

1. Remove four locknuts (2), washers (3), screws (5), and front cover (1) from wheelhousing (4). Discard locknuts (2).
2. Remove twelve locknuts (7), washers (6), screws (9), and side cover (8) from wheelhousing (4). Discard locknuts (7).
3. Remove six locknuts (12), washers (13), screws (11), and top cover (10) from wheelhousing (4). Discard locknuts (12).
4. Remove six screws (14) and six spacers (15) from top cover (10).

b. Installation

1. Install six spacers (15) on top cover (10) with six screws (14).
2. Install top cover (10) on wheelhousing (4) with six screws (11), washers (13), and locknuts (12).
3. Install side cover (8) on wheelhousing (4) with twelve screws (9), washers (6), and locknuts (7).
4. Install front cover (1) on wheelhousing (4) with four screws (5), washers (3), and locknuts (2).

12-120. TROOP/CARGO WINTERIZATION WHEELHOUSING COVERS REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Install troop seat (para. 12-126).

12-121. TROOP/CARGO WINTERIZATION DOOR ADJUSTMENT

This task covers:

Adjustment

INITIAL SETUP:

Applicable Models

M1152

Personnel Required

One mechanic
One assistant

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

TM 9-2320-387-10
TM 9-2320-387-24P

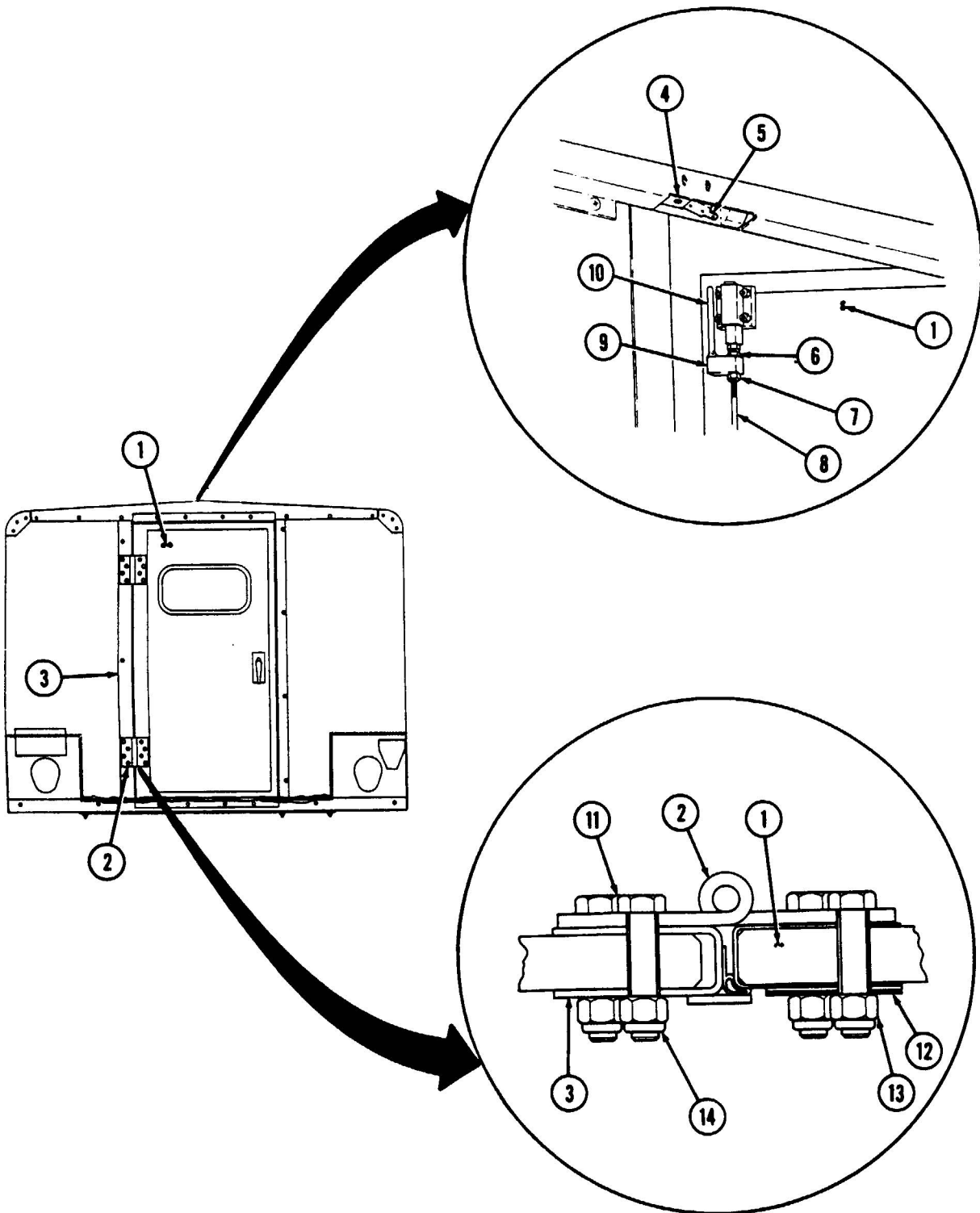
Materials/Parts

Eight locknuts (Appendix G, Item 133.12)

Adjustment

NOTE

- Adjustment of door and frame assembly may be required if door is not centered or binds during opening or closing.
 - Ensure door has an equal distance around frame assembly in both vertical and horizontal directions.
 - For vertical or horizontal door adjustment, perform step 1.
 - For lateral door adjustment, perform steps 2 and 3.
 - For dome light on/off adjustment, perform steps 4 through 10.
1. Loosen eight nuts (14) and capscrews (11) from two hinges (2) and frame assembly (3) and lift or lower door (1) as required. Tighten nuts (14) to 85-90 lb-ft (115-122 N•m).
 2. Remove eight locknuts (13) from door (1) and two hinges (2). Discard locknuts (13).
 3. Add or remove shims (12) from door (1), as required. Install and tighten locknuts (13) to 50-55 lb-ft (68-75 N•m).
 4. Place dome light switch in DOME LIGHT position (TM 9-2320-280-10).
 5. With door (1) in open position, loosen upper jamnut (6) and lower jamnut (7) to maximum outward position on control rod (8).
 6. Close and fasten door (1).
 7. Align rod (10) of actuator light control (9) with center of control arm (5) on door switch assembly (4).
 8. Engage control arm (5) by adjusting lower jamnut (7) upward on control arm (5) and actuator light control (9) until dome lights are on.
 9. Adjust lower jamnut (7) 0.25 in. (6.4 mm) beyond initial adjustment made in step 8.
 10. Adjust upper jamnut (6) on control rod (8) down on actuator light control (9) and tighten jamnut (6).

12-121. TROOP/CARGO WINTERIZATION DOOR ADJUSTMENT (Cont'd)

12-122. TROOP/CARGO WINTERIZATION DOOR AND FRAME ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Twelve locknuts (Appendix G, Item 101.6)
Four locknuts (Appendix G, Item 101.10)
Twelve locknuts (Appendix G, Item 133.12)

Personnel Required

One mechanic
One assistant

Manual References

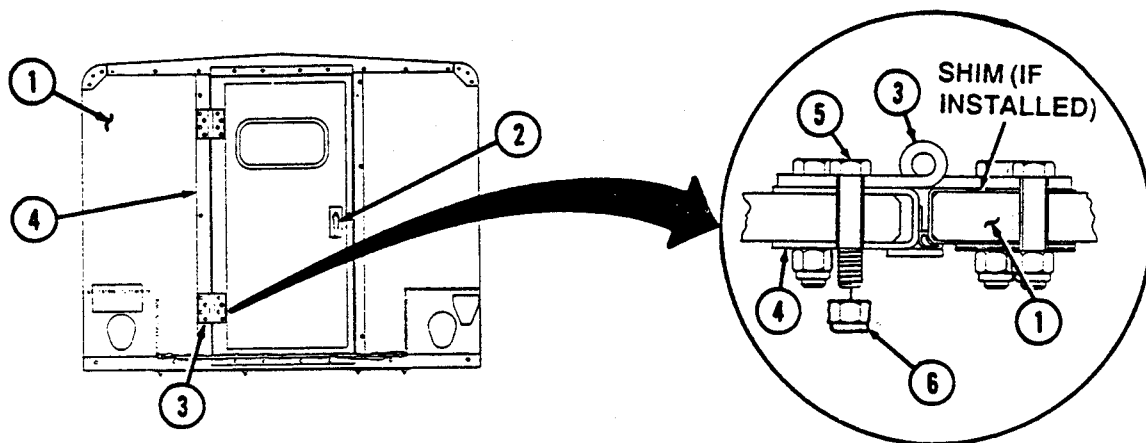
TM 9-2320-387-24P

Equipment Condition

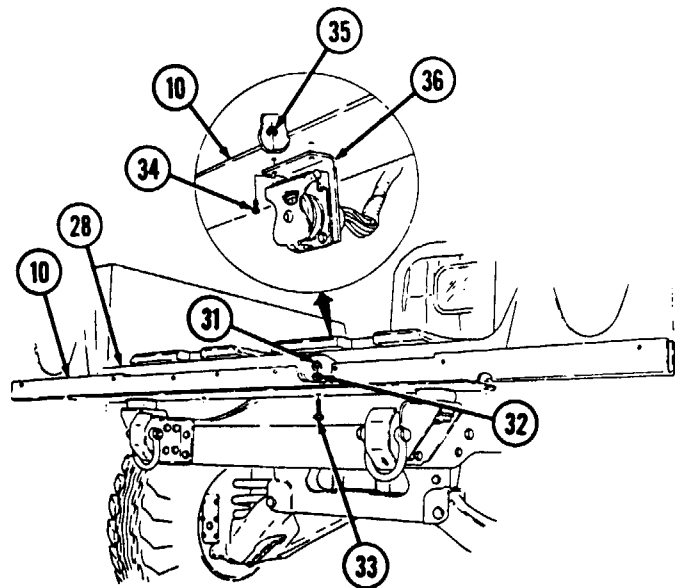
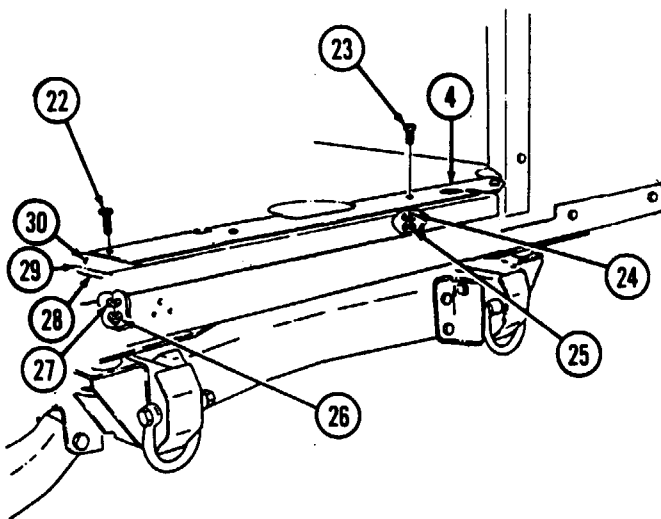
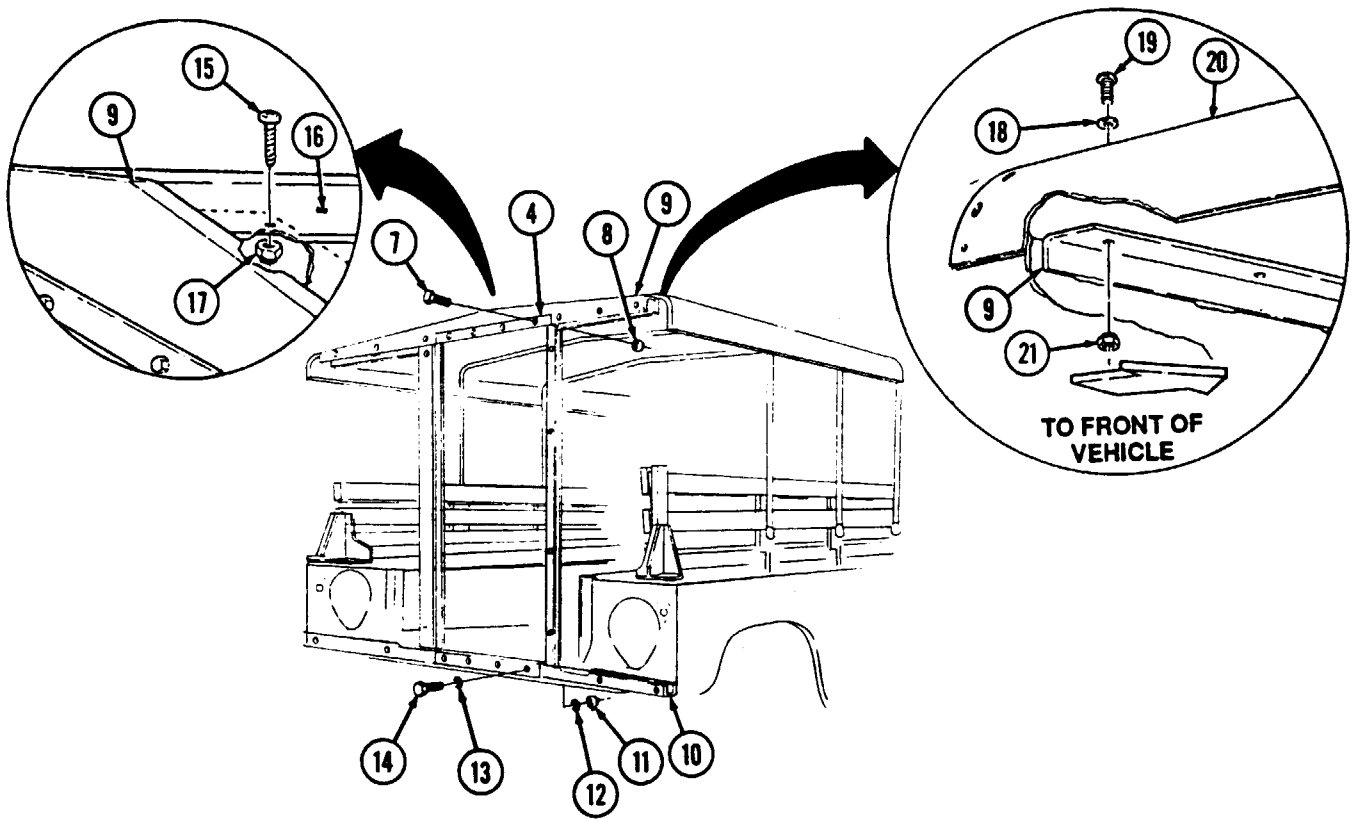
- End closures removed (para. 12-123).
- Rear step assembly removed (para. 12-127).

a. Removal

1. Shut door (1) and close latch (2).
2. Remove eight nuts (6) capscrews (5), and shims (if installed) from two hinges (3) and frame assembly (4).
3. Open latch (2) and remove door (1) and two hinges (3) from frame assembly (4).
4. Remove two locknuts (17) and screws (15) from channel (9) and top enclosure plate support (16). Discard locknuts (17).
5. Remove eight locknuts (21), screws (19), and washers (18) from channel (9) and top enclosure assembly (20). Discard locknuts (21).
6. Remove two locknuts (26), washers (27), and capscrews (22) from frame assembly (4), rear floor cover (30), cargo floor (29), and D-beam (28). Discard locknuts (26).
7. Remove two locknuts (25), washers (24), and screws (23) from frame assembly (4), rear floor cover (30), cargo floor (29), and D-beam (28). Discard locknuts (25).
8. Remove four locknuts (11), washers (12), capscrews (14), washers (13), and frame assembly (4) from support (10). Discard locknuts (11).
9. Remove two locknuts (35) and capscrews (34) from trailer mount bracket (36) and support (10). Discard locknuts (35).
10. Remove four locknuts (31), washers (32), capscrews (33), and support (10) from D-beam (28). Discard locknuts (31).
11. Remove four locknuts (8), capscrews (7), and frame assembly (4) from channel (9). Discard locknuts (8).



12-122. TROOP/CARGO WINTERIZATION DOOR AND FRAME ASSEMBLY REPLACEMENT (Cont'd)



12-122. TROOP/CARGO WINTERIZATION DOOR AND FRAME ASSEMBLY REPLACEMENT (Cont'd)

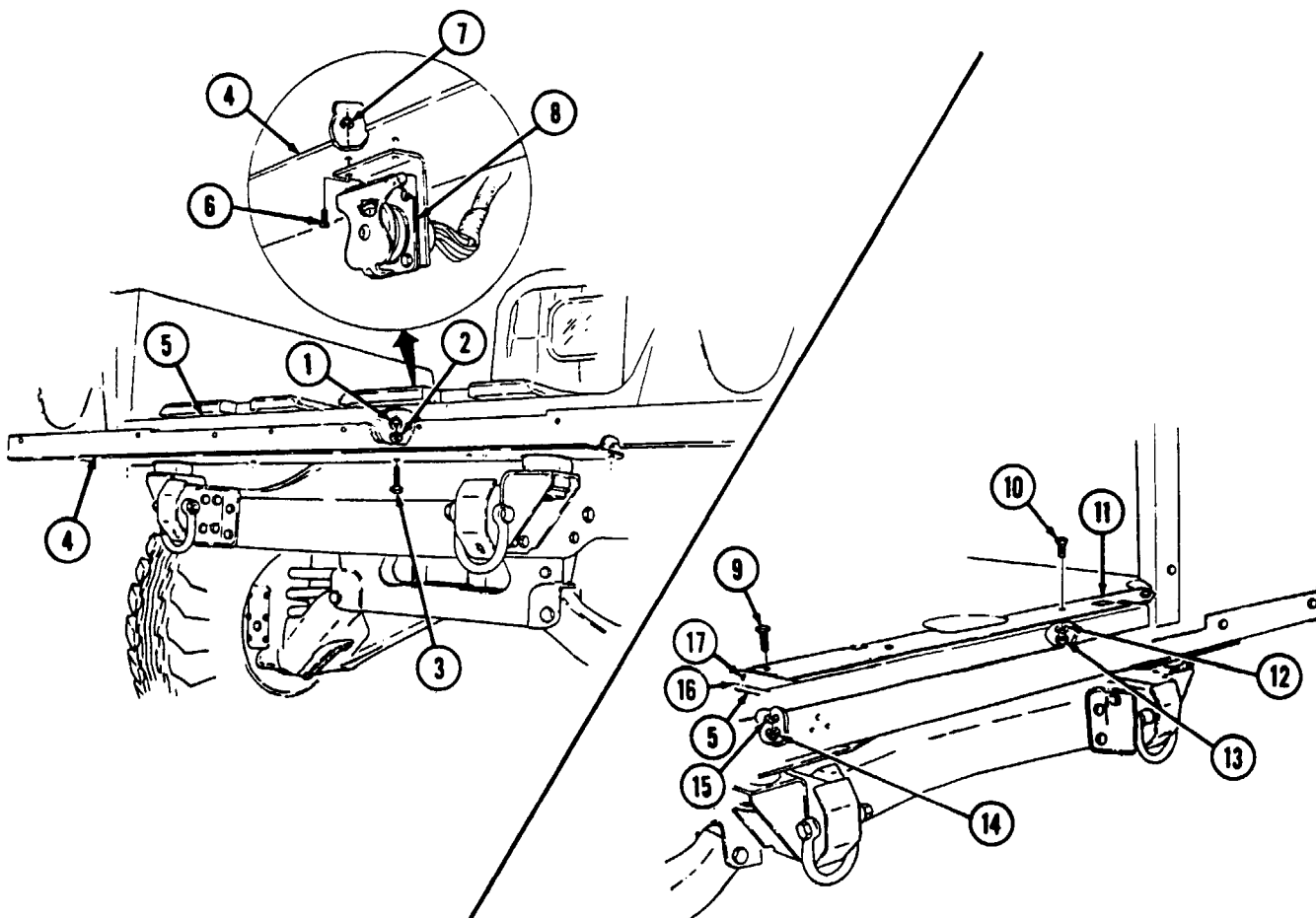
b. Installation

1. Install support (4) on D-beam (5) with four capscrews (3), washers (2), and locknuts (1).
2. Install trailer mount bracket (8) on support (4) with two capscrews (6) and locknuts (7).
3. Install frame assembly (11) on channel (20) with four capscrews (18) and locknuts (19).
4. Install frame assembly (11) and channel (20) on support (4) with four washers (23), capscrews (24), washers (22), and locknuts (21).
5. Install frame assembly (11) on rear floor cover (17), cargo floor (16), and D-beam (5) with two screws (10), washers (12), and locknuts (13).
6. Secure frame assembly (11) to rear floor cover (17), cargo floor (16), and D-beam (5) with two capscrews (9), washers (15), and locknuts (14).
7. Install channel (20) on top enclosure assembly (30) with eight washers (28), screws (29), and locknuts (31).
8. Install channel (20) on top enclosure plate support (26) with two screws (25) and locknuts (27).

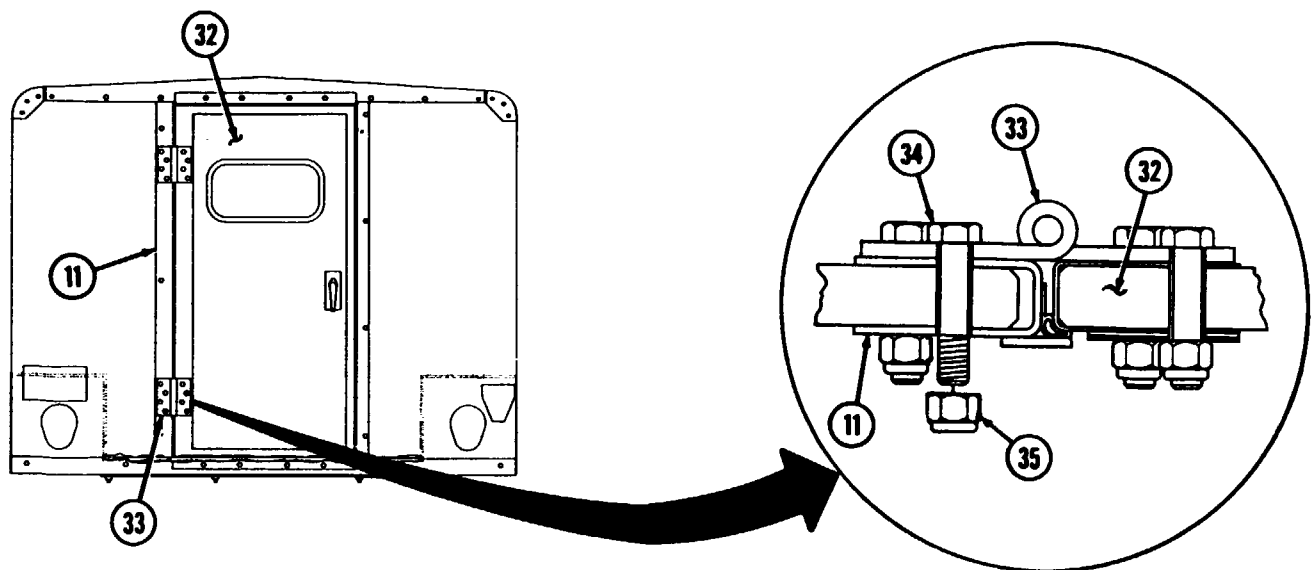
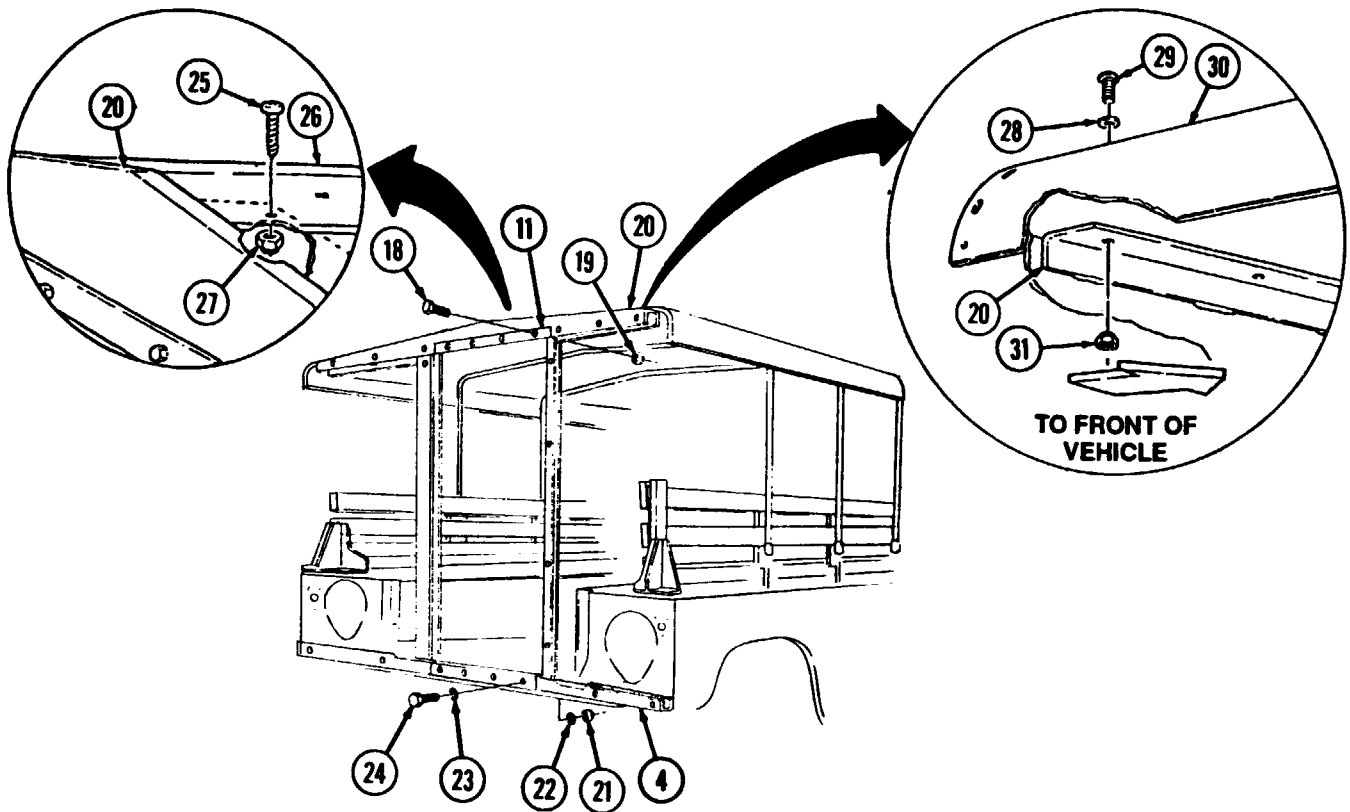
NOTE

Ensure shims are added as required.

9. Install door (32) and two hinges (33) on frame assembly (11) with eight capscrews (34) and (35). Tighten nuts (35) to 85-90 lb-ft (115-122 N·m).



12-122. TROOP/CARGO WINTERIZATION DOOR AND FRAME ASSEMBLY REPLACEMENT (Cont'd)



FOLLOW-ON TASKS:

- Install rear step assembly (para. 12-127).
- Install end closures (para. 12-123).
- Adjust door (para. 12-121).

12-123. TROOP/CARGO WINTERIZATION END CLOSURE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Twelve locknuts (Appendix G, Item 133.12)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

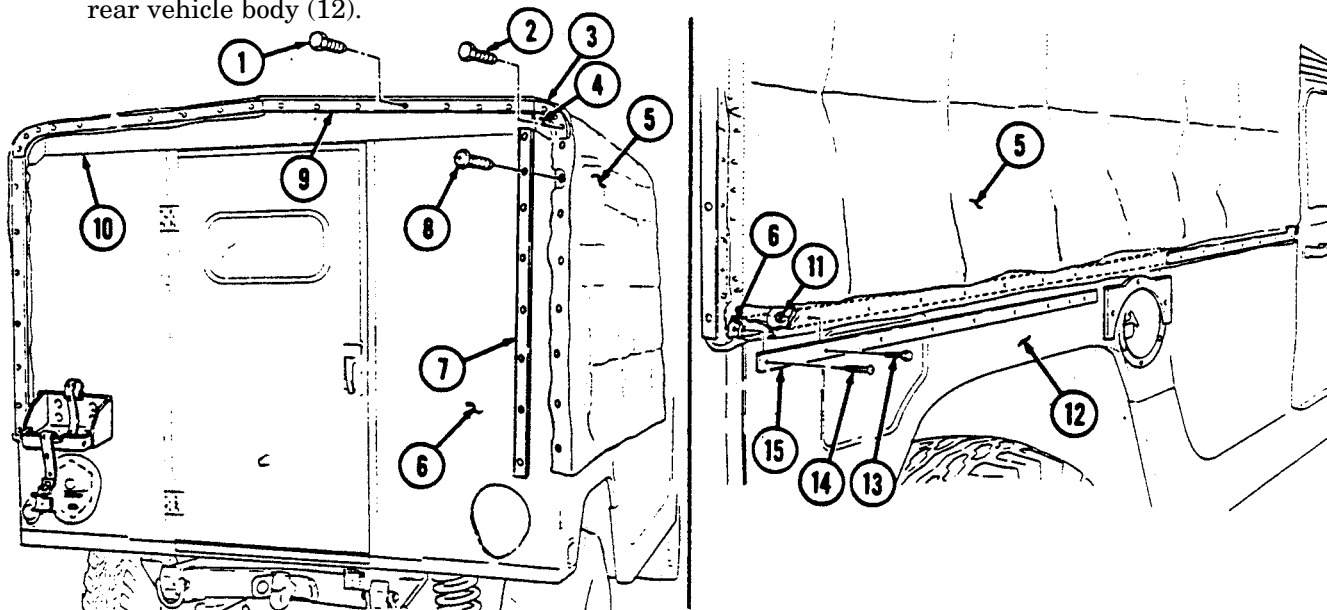
- Rear reflector removed (para. 12-131).
- Rear composite light housing removed para. 12-132).
- Handle assembly removed (right end closure only) (para. 12-128).
- Antenna mounting bracket removed (right end closure only) (para. 12-130).
- Fuel can mounting bracket removed (left end closure only) (para. 12-129).
- Blackout/dome light wiring harness removed (para. 12-110).

a. Removal

NOTE

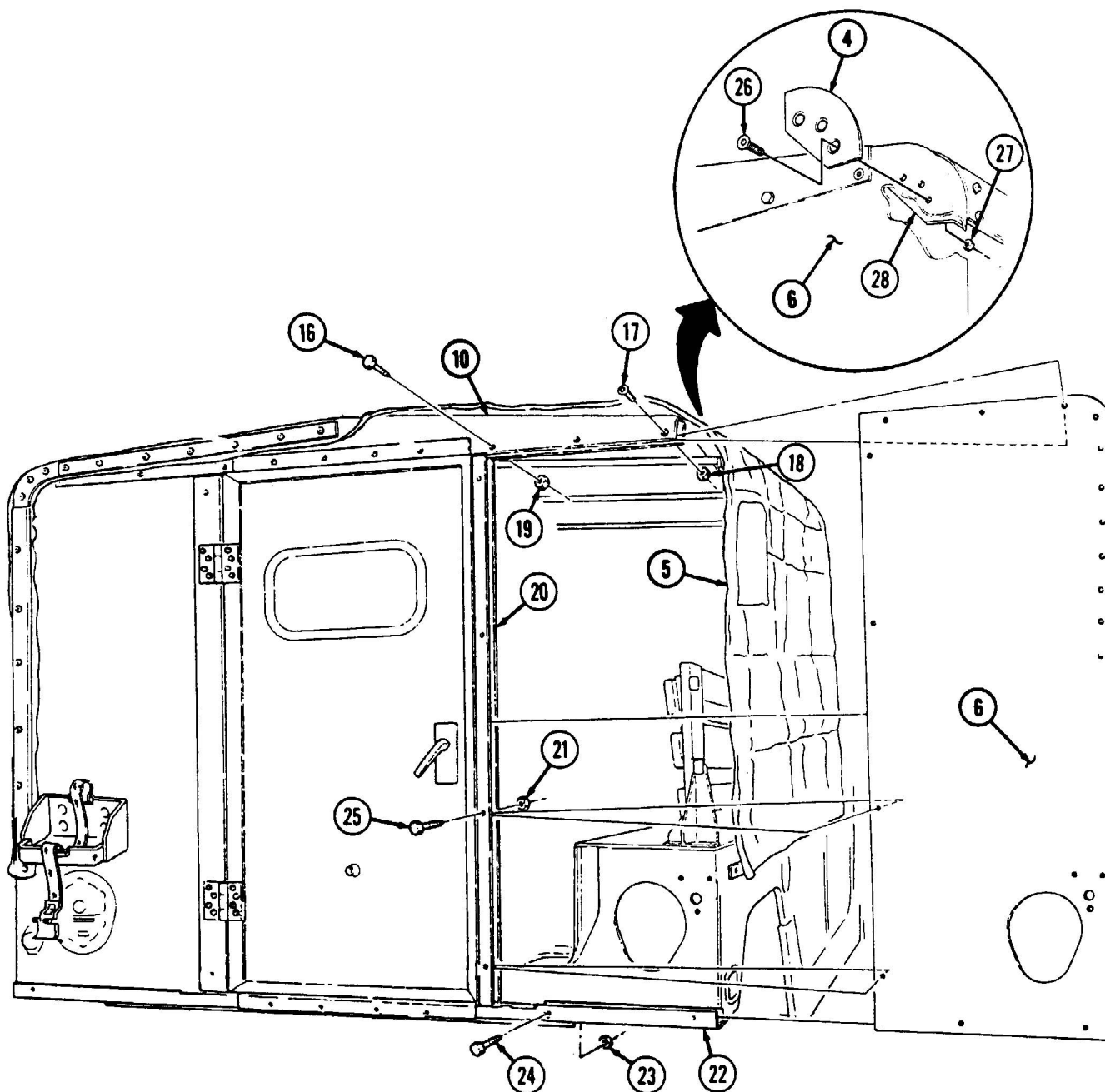
Replacement instructions for left and right end closures are basically the same. This procedure covers right end closure.

1. Remove seven screws (1) and clamping strip (9) from top cover assembly (5), channel (10), and right end closure (6).
2. Remove three screws (2) and clamping strip (3) from top cover assembly (5), outside corner plate (4), and right end closure (6).
3. Remove eight screws (8) and clamping strip (7) from top cover assembly (5), and right end closure (6).
4. Remove screw (14) from clamping strip (15), top cover assembly (5) and right end closure (6).
5. Remove eight nuts (11), capscrews (13), clamping strip (15), and top cover assembly (5) from right rear vehicle body (12).



12-123. TROOP/CARGO WINTERIZATION END CLOSURE REPLACEMENT (Cont'd)

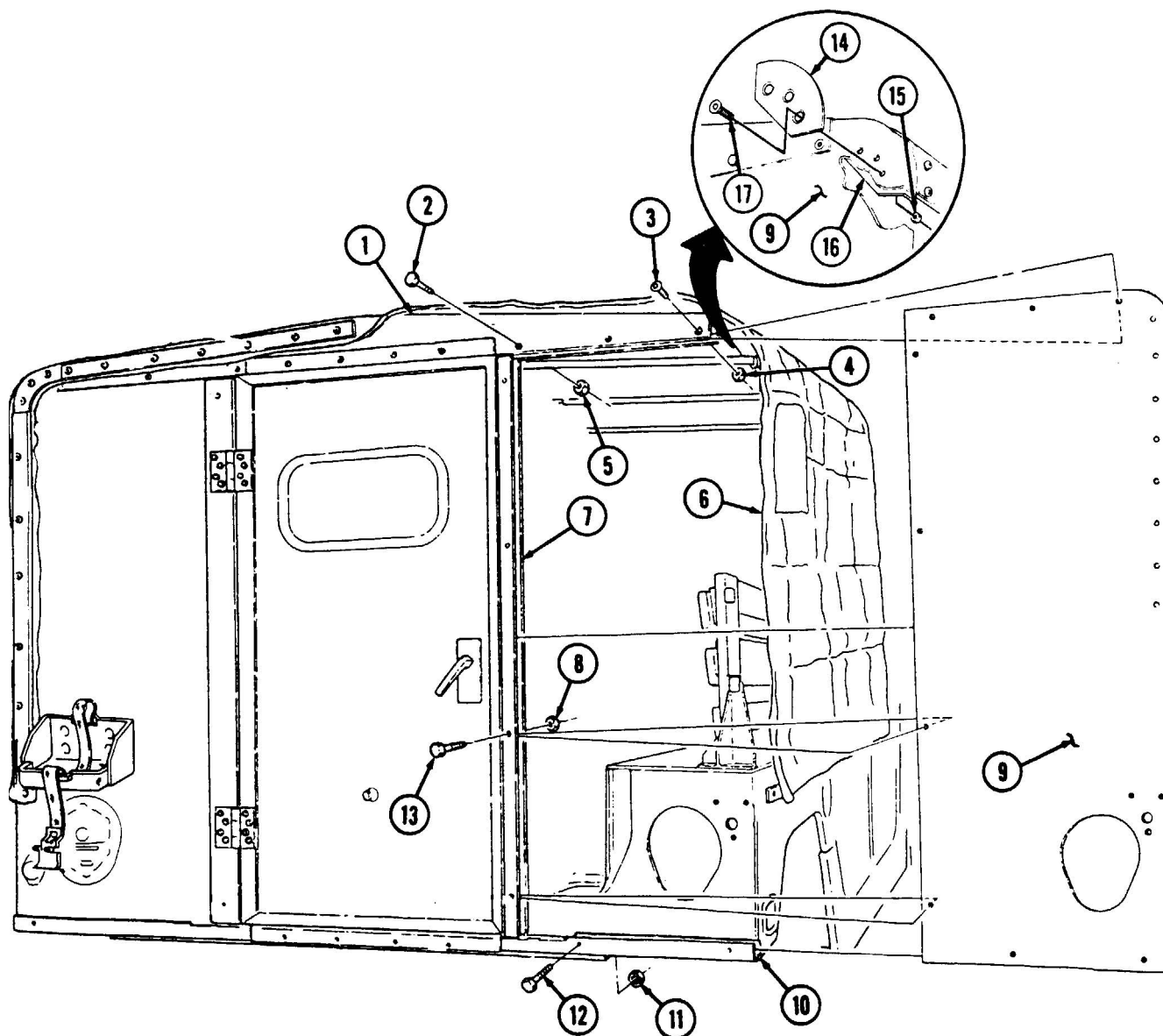
6. Remove three locknuts (27), screws (26), and outside corner plate (4) from inside corner bracket (28), and right end closure (6). Discard locknuts (27).
7. Remove locknut (18) and screw (17) from right end closure (6) and channel (10). Discard locknut (18).
8. Remove two locknuts (19) and capscrews (16) from right end closure (6) and channel (10). Discard locknuts (19).
9. Remove four locknuts (21) and capscrews (25) from right end closure (6) and door and frame assembly (20). Discard locknuts (21).
10. Remove two locknuts (23), capscrews (24), and right end closure (6) from support assembly (22). Discard locknuts (23).



12-123. TROOP/CARGO WINTERIZATION END CLOSURE REPLACEMENT (Cont'd)**b. Installation****NOTE**

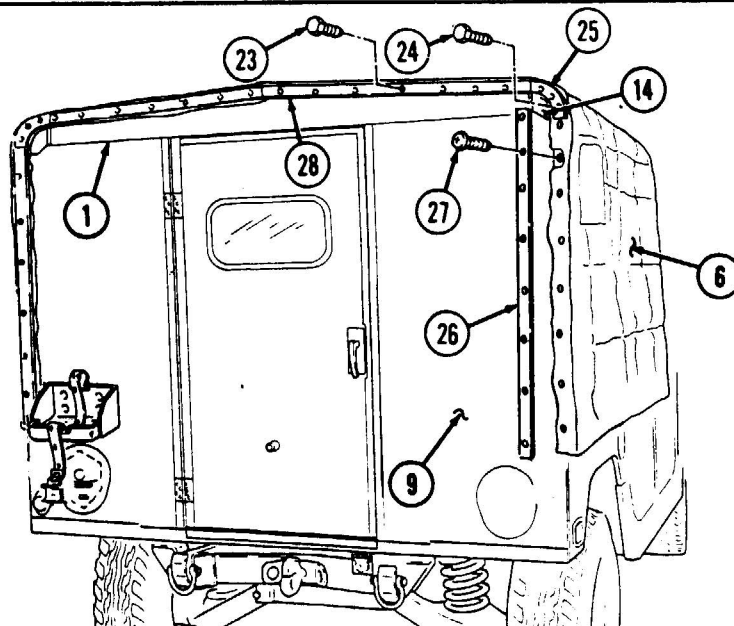
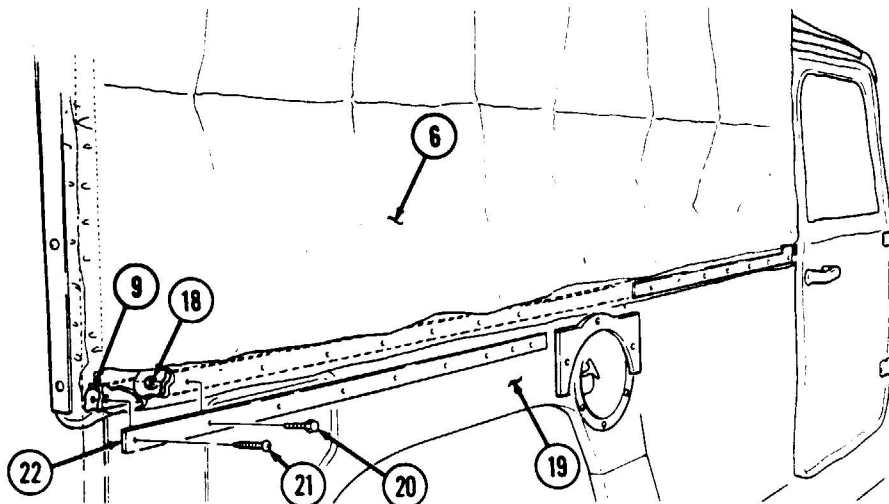
Ensure lower right corner of end closure is flush with support assembly.

1. Position right end closure (9) on support assembly (10), door and frame assembly (7), and channel (1).
2. Secure right end closure (9) to support assembly (10) with two capscrews (12) and locknuts (11).
3. Install right end closure (9) on door and frame assembly (7) with four capscrews (13) and locknuts (8).
4. Install right end closure (9) on channel (1) with two capscrews (2) and locknuts (5).
5. Secure right end closure (9) to channel (1) with screw (3) and locknut (4).
6. Install outside corner plate (14) on right end closure (9) and inside corner bracket (16) with three screws (17) and locknuts (15).



12-123. TROOP/CARGO WINTERIZATION END CLOSURE REPLACEMENT (Cont'd)

7. Install top cover assembly (6) on right rear vehicle body (19) with strip (22), eight capscrews (20), and nuts (18).
8. Install top cover assembly (6) on right end closure (9) with strip (22) and screw (21).
9. Secure top cover assembly (6) to right end closure (9) with strip (26) and eight screws (27).
10. Install top cover assembly (6) on outside corner plate (14) and right end closure (9) with strip (25) and three screws (24).
11. Install top cover assembly (6) on channel (1) and right end closure (9) with strip (28) and seven screws (23).



- FOLLOW-ON TASKS:**
- Install blackout/dome light wiring harness (para. 12-110).
 - Install fuel can mounting bracket (left end closure only) (para. 12-129).
 - Install antenna mounting bracket (right end closure only) (para. 12-130).
 - Install handle assembly (right end closure only) (para. 12-128).
 - Install rear composite light housing (para. 12-132).
 - Install rear reflector (para. 12-131).

12-124. TROOP/CARGO WINTERIZATION TOP COVER ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive spray (Appendix C, Item 9)
Adhesive sealant (Appendix C, Item 12)
Two rubber strips (Appendix G, Item 319.1)
Two rubber strips (Appendix G, Item 319.2)
Two rubber strips (Appendix G, Item 319.3)
Two seals (Appendix G, Item 298.1)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

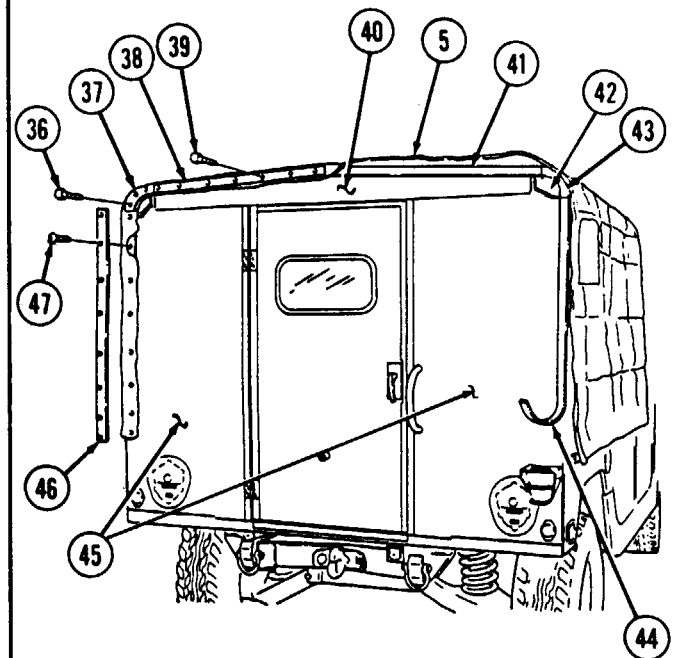
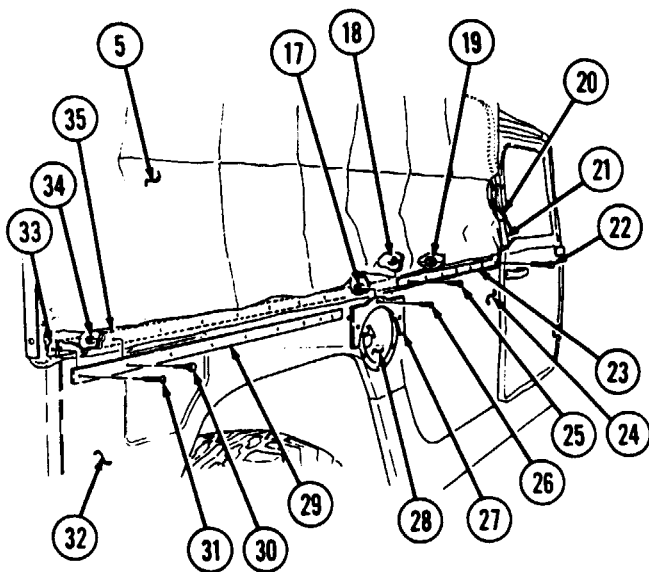
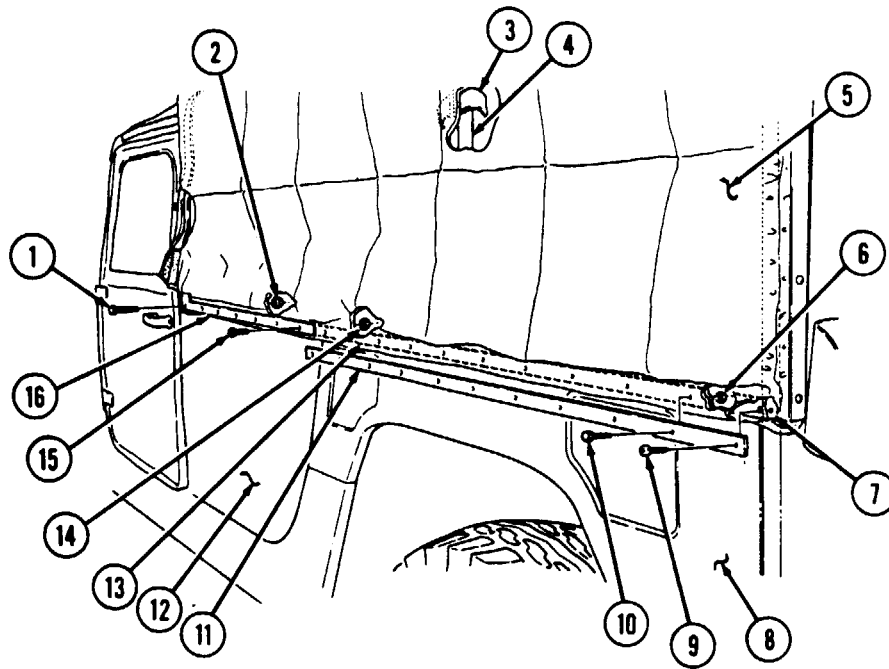
Equipment Condition

Air intake assembly removed (para. 3-19).

a. Removal

1. Remove nut (2) and capscrew (1) from clamping strip (16), top cover assembly (5), rubber strip (13), and left rear fixed door (12).
2. Remove six nuts (14), capscrews (15), and clamping strip (16) from top cover assembly (5), rubber strip (13), and left rear fixed door (12).
3. Remove screw (9) from clamping strip (11), top cover assembly (5), rubber strip (13), and left end closure (7).
4. Remove ten nuts (6), capscrews (10), and clamping strip (11) from top cover assembly (5), rubber strip (13), and left rear vehicle body (8).
5. Remove and discard rubber strip (13).
6. Remove nut (19) and capscrew (22) from clamping strip (23), top cover assembly (5), rubber strip (35), and right rear fixed door (24).
7. Remove six nuts (18), capscrews (25), and clamping strip (23) from top cover assembly (5), rubber strip (35), and right rear fixed door (24).
8. Remove three screws (26), spring nuts (17), (if damaged) and plate assembly (27) from top cover assembly (5), rubber strip (35), fuel tank filler (28), and right rear vehicle body (32).
9. Remove screw (31) from clamping strip (29), top cover assembly (5), rubber strip (35), and right end closure (33).
10. Remove eight nuts (34), capscrews (30), clamping strip (29), top cover assembly (5), and rubber strip (35) from right rear vehicle body (32). Discard rubber strip (35).
11. Remove sixteen screws (47), two clamping strips (46), and two rubber strips (44) from rear end closure assembly (45) and top cover (5). Discard rubber strips (44).
12. Remove six screws (36), two clamping strips (37), seals (43), and outside corner plates (42) from rear end closure assembly (45) and top cover (5). Discard seals (43).
13. Remove fourteen screws (39), two clamping strips (38), and rubber strips (41) from channel (40), top cover (5), and two rear end closure assemblies (45). Discard rubber strips (41).
14. Detach eight fastener straps (3) from bow assemblies (4).
15. Detach top cover assembly fastener strip (21) from cab top cover strip (20).
16. Remove top cover assembly (5).

12-124. TROOP/CARGO WINTERIZATION TOP COVER ASSEMBLY REPLACEMENT (Cont'd)



12-124. TROOP/CARGO WINTERIZATION TOP COVER ASSEMBLY REPLACEMENT (Cont'd)

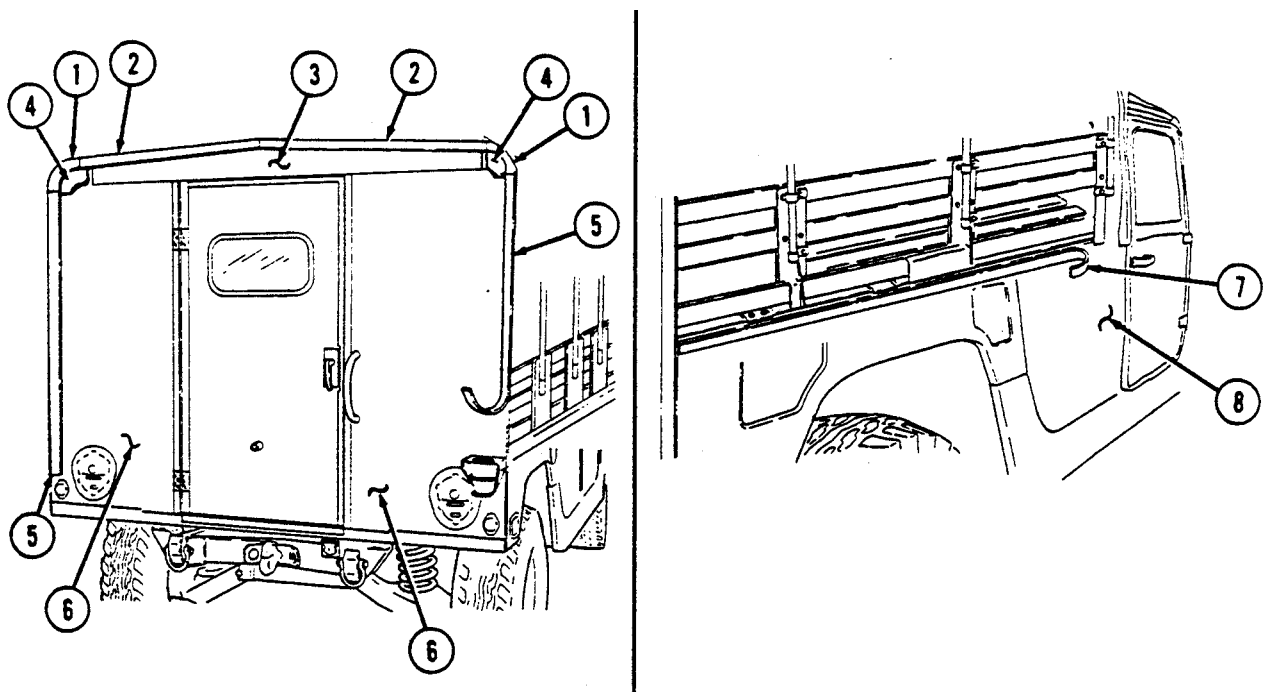
b. Installation

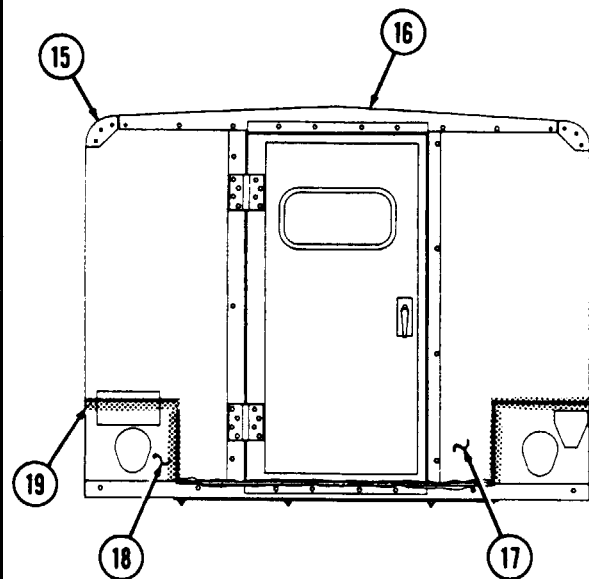
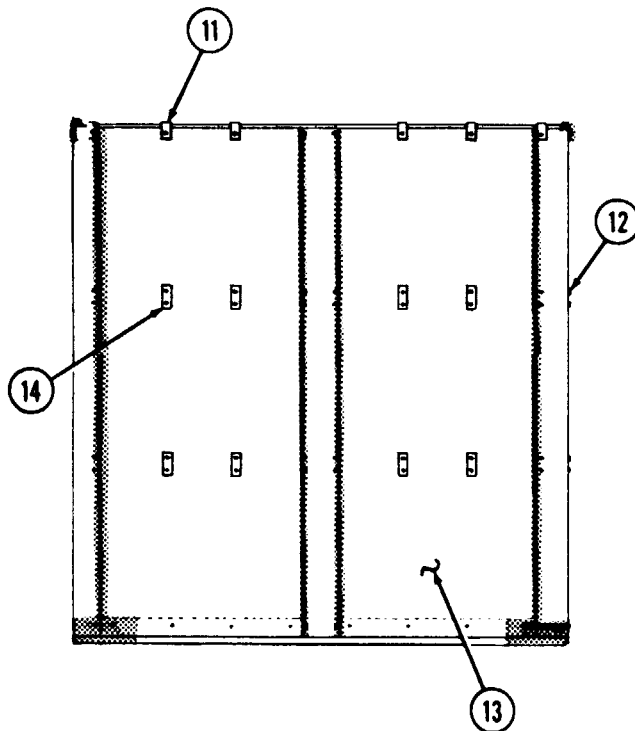
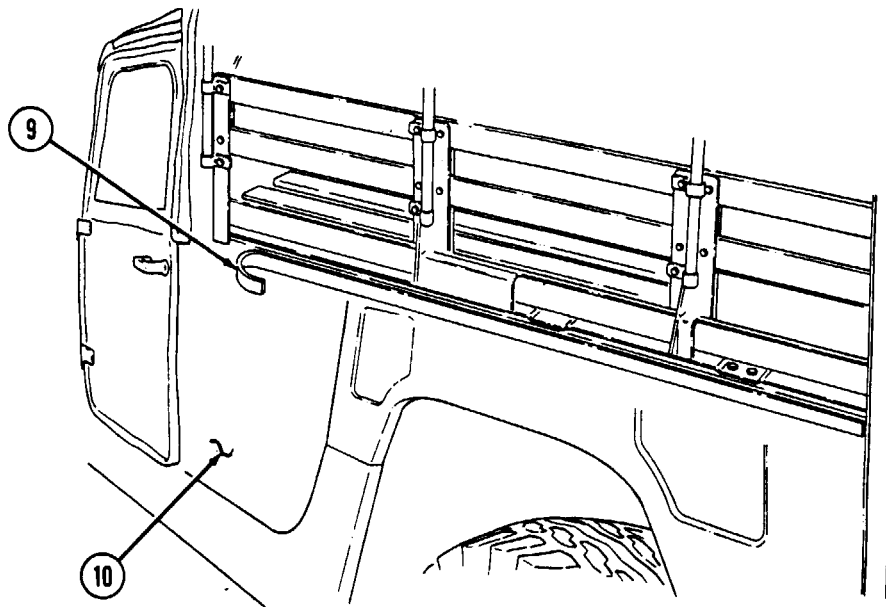
1. Apply adhesive spray to channel (3) and mating surfaces of two rubber strips (2) and install rubber strips (2) on channel (3).
2. Apply adhesive spray to outside corner plates (4) and mating surfaces of two seals (1) and install seals (1) on outside corner plates (4).
3. Apply adhesive spray to two rear end closure assemblies (6) and mating surfaces of rubber strips (5) and install rubber strips (5) on rear end closure assembly (6).
4. Apply adhesive spray to right side of vehicle (8) and mating surface of rubber strip (7) and install rubber strip (7) on right side of vehicle (8).
5. Apply adhesive spray to left side of vehicle (10) and mating surface of rubber strip (9) and install rubber strip (9) on left side of vehicle (10).
6. Apply an even coat of sealant to two top enclosure assemblies (13), rear end closure assemblies (17), corner edges (19), and other shaded areas.
7. Apply sealant to top enclosure assembly clamps (11), plates (14), and screws (12).

NOTE

If raised edges or gaps exist around areas of outside corner plates and rear end closure assembly, fill with sealant.

8. Apply sealant to outside corner plates (15) and channel assembly (16).
9. Apply sealant to any open gaps on rear end closure assembly (17) and vehicle body (18).



**12-124. TROOP/CARGO WINTERIZATION TOP COVER ASSEMBLY REPLACEMENT
(Cont'd)**

**12-124. TROOP/CARGO WINTERIZATION TOP COVER ASSEMBLY REPLACEMENT
(Cont'd)**
NOTE

When installing top cover assembly, ensure fastener straps are installed on inside of enclosure.

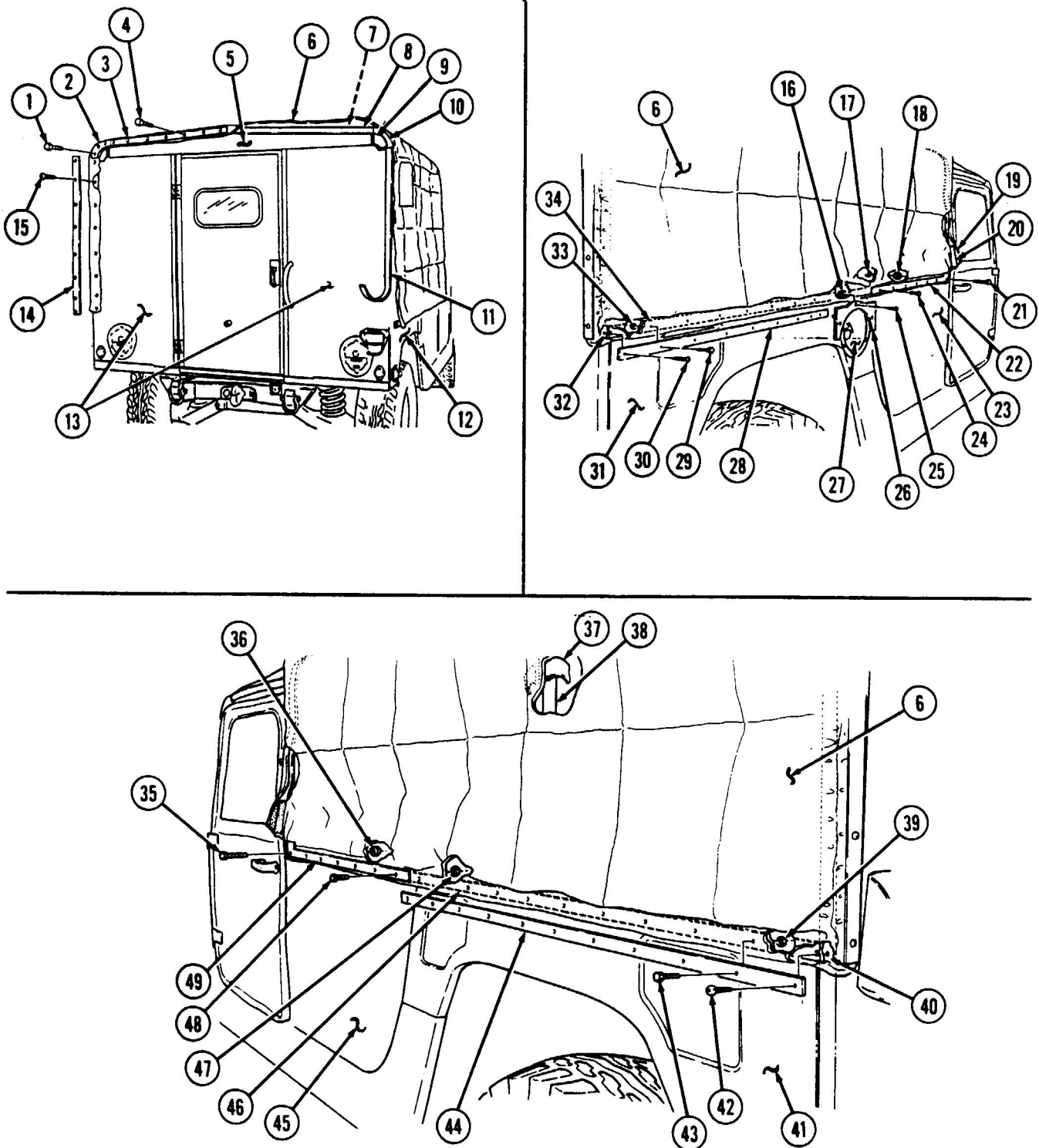
10. Center and install top cover assembly (6) over top enclosure assembly (7), rear end closure assemblies (13), and vehicle body (12).
11. Attach top cover assembly fastener strip (20) to cab top cover strip (19).
12. Install eight fastener straps (37) on bow assemblies (38).

NOTE

Top cover assembly is oversized to allow for shrinkage for proper fit.

13. Install top cover assembly (6) and two clamping strips (3) on two rubber strips (8), channel (5), and rear end closure assemblies (13) with fourteen screws (4).
14. Install top cover assembly (6) and two clamping strips (2) on two seals (10), outside corner plates (9), and rear end closure assemblies (13) with six screws (1).
15. Install top cover assembly (6) and two clamping strips (14) on two rubber strips (11) and rear end closure assemblies (13) with sixteen screws (15).
16. Install top cover assembly (6) and clamping strip (28) on rubber strip (34) and right rear vehicle body (31) with eight capscrews (29) and nuts (33).
17. Secure top cover assembly (6) and clamping strip (28) to rubber strip (34) and right end closure (32) with screw (30).
18. Install top cover assembly (6) and plate assembly (26) on rubber strip (34), fuel tank filler (27), and right rear vehicle body (31) with three screws (25) and spring nuts (16) (if removed).
19. Install top cover assembly (6) and clamping strip (22) on rubber strip (34) and right rear fixed door (23) with six capscrews (24) and nuts (17).
20. Secure top cover assembly (6) and clamping strip (22) to rubber strip (34) and right rear fixed door (23) with capscREW (21) and nut (18).
21. Install top cover assembly (6) and clamping strip (44) on rubber strip (46) and left rear vehicle body (41) with ten capscrews (43) and nuts (39).
22. Install top cover assembly (6) and clamping strip (44) on rubber strip (46) and left end closure (40) with screw (42).
23. Install top cover assembly (6) and clamping strip (49) on rubber strip (46) and left rear fixed door (45) with six capscrews (48) and nuts (47).
24. Secure top cover assembly (6) and clamping strip (49) to rubber strip (46) and left rear fixed door (45) with capscREW (35) and nut (36).

12-124. TROOP/CARGO WINTERIZATION TOP COVER ASSEMBLY REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Install air intake assembly (para. 3-19).

12-125. TROOP/CARGO WINTERIZATION TOP ENCLOSURE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 8)
Eighteen locknuts (Appendix G, Item 101.6)
Six locknuts (Appendix G, Item 133.12)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

Top cover assembly removed (para. 12-124).

a. Removal

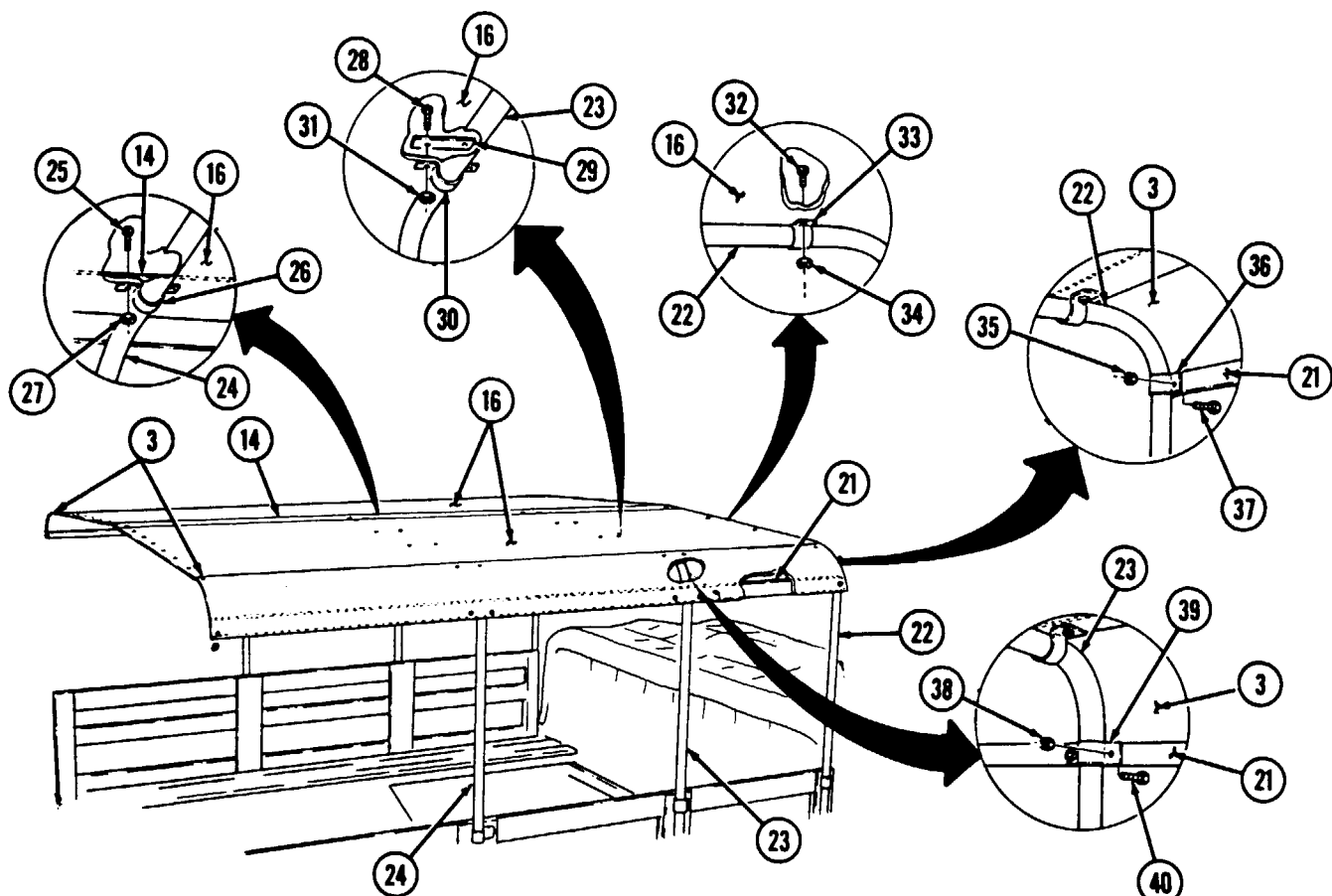
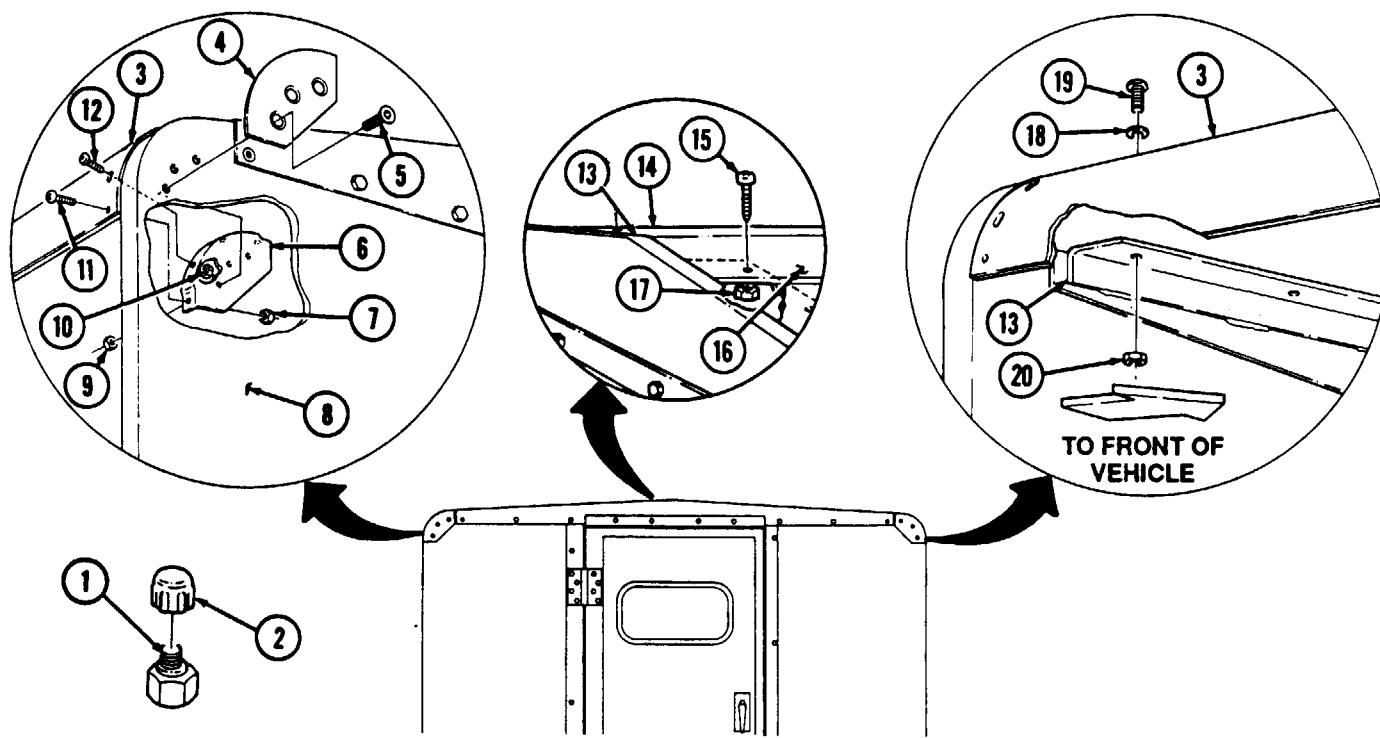
1. Remove safety caps (2) as required from top enclosure assembly mounting screws (1).
2. Remove six locknuts (9) and screws (5), and two outside plates (4) from inside corner brackets (6), and end enclosures (8). Discard locknuts (9).

NOTE

For installation, note size and location of inside corner bracket mounting screws.

3. Remove four locknuts (7) and screws (11) from two inside corner brackets (6) and supports (3). Discard locknuts (7).
4. Remove four locknuts (10) and screws (12) from two inside corner brackets (6) and supports (3). Discard locknuts (10).
5. Remove two locknuts (17) and screws (15) from plate (14), channel (13), and two supports (16). Discard locknuts (17).
6. Remove eight locknuts (20), screws (19), and washers (18) from two supports (3) and channel (13). Discard locknuts (20).
7. Remove sixteen nuts (38), screws (40), and eight clamps (39) from two supports (21), supports (3), rear bow (24), and middle bow (23).
8. Remove four nuts (35), screws (37), clamps (36), two supports (21), and supports (3) from front bow (22).
9. Remove sixteen nuts (31), screws (28), eight support plates (29), and clamps (30) from two supports (16), rear bow (24), and middle bow (23).
10. Remove six nuts (34), screws (32), and clamps (33) from two supports (16), plate (14), and front bow (22).
11. Remove eight nuts (27), screws (25), four clamps (26), two supports (16), and plate (14) from rear bow (24) and middle bow (23).

12-125. TROOP/CARGO WINTERIZATION TOP ENCLOSURE ASSEMBLY REPLACEMENT (Cont'd)

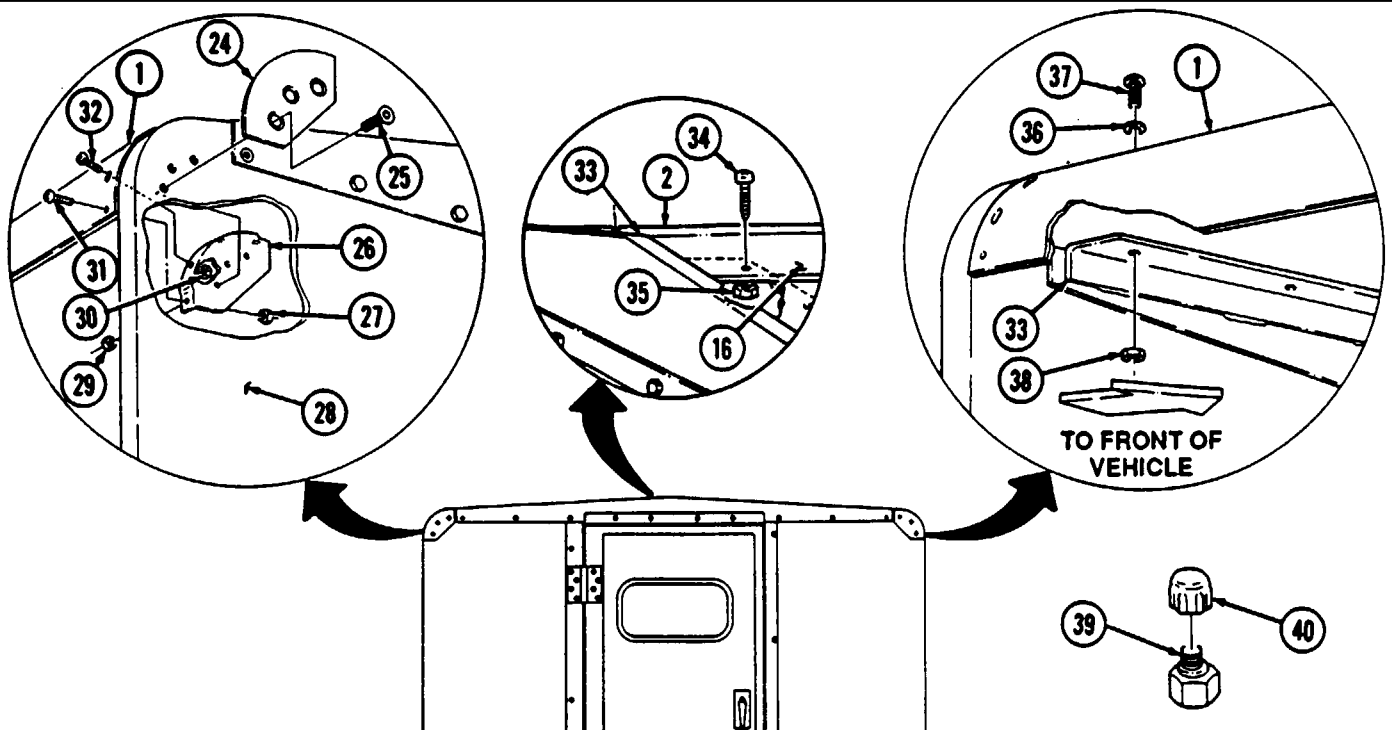
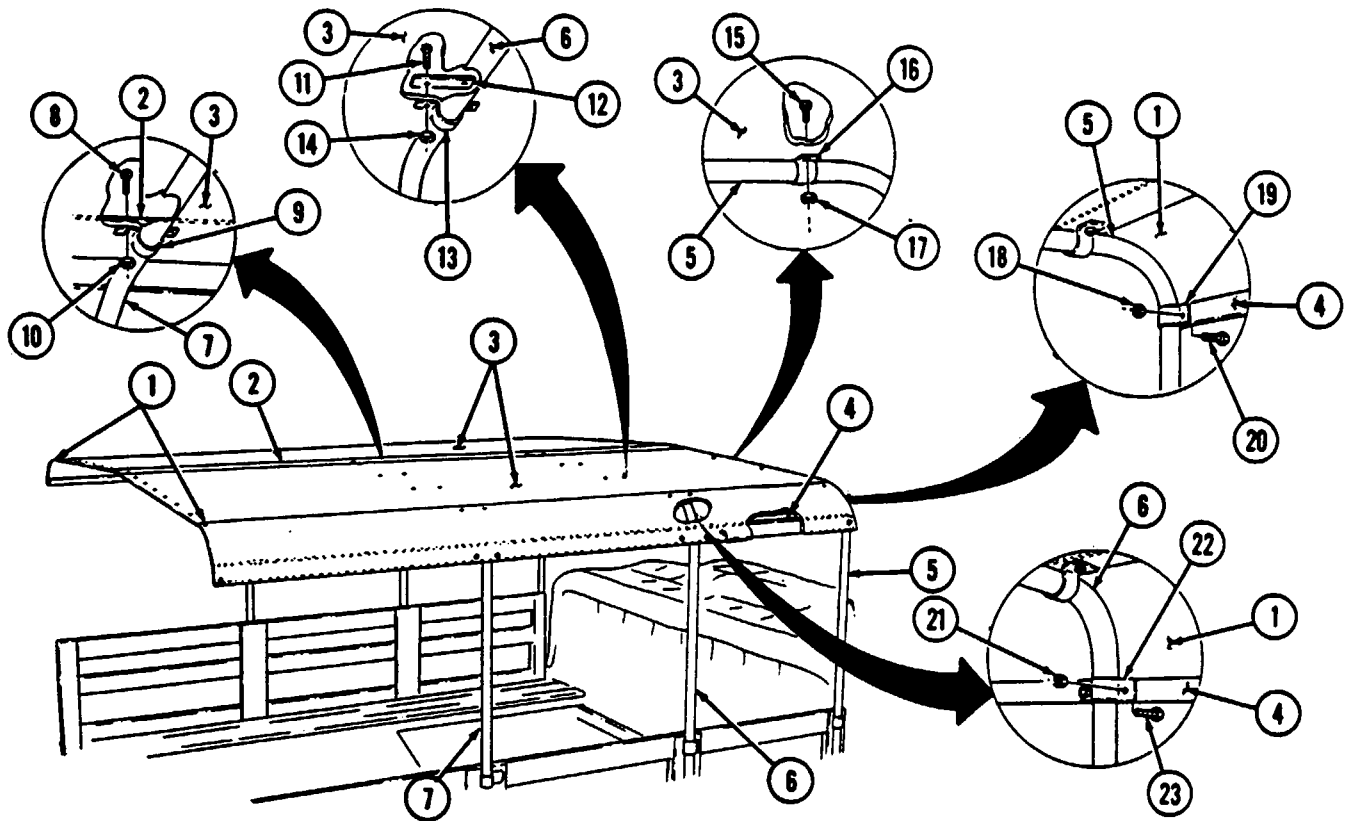


12-125. TROOP/CARGO WINTERIZATION TOP ENCLOSURE ASSEMBLY REPLACEMENT (Cont'd)

b. Installation

1. Install plate (2) and two supports (3) on front bow (5), middle bow (6), and rear bow (7) with four clamps (9), eight screws (8) and nuts (10).
2. Secure plate (2) and two supports (3) to front bow (5) with six clamps (16), screws (15), and nuts (17).
3. Install two supports (3) on rear bow (7) and middle bow (6) with eight clamps (13), support plates (12), sixteen screws (11), and nuts (14).
4. Install two supports (4) and supports (1) on front bow (5), middle bow (6), and rear bow (7) with four clamps (19), screws (20), and nuts (18).
5. Install two supports (4) and supports (1) on rear bow (7) and middle bow (6) with eight clamps (22), sixteen screws (23), and nuts (21).
6. Install two supports (1) on channel (33) with eight washers (36), screws (37), and locknuts (38).
7. Install plate (2) on channel (33) and two supports (16) with two screws (34) and locknuts (35).
8. Install two outside plates (24) and inside corner brackets (26) on two end closures (28) with six screws (25) and locknuts (29).
9. Install two inside corner brackets (26) on two supports (1) with four screws (32) and locknuts (30).
10. Secure two inside corner brackets (26) to two supports (1) with four screws (31) and locknuts (27).
11. Apply adhesive to exposed threads of top enclosure assembly mounting screws (39) and install safety caps (40) on screws (39) as required.

12-125. TROOP/CARGO WINTERIZATION TOP ENCLOSURE ASSEMBLY REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Install top cover assembly (para. 12-124).

12-126. TROOP/CARGO WINTERIZATION TROOP SEAT ASSEMBLY AND BOW REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Nine locknuts (Appendix G, Item 105)
Two locknuts (Appendix G, Item 133.13)
Two locknuts (Appendix G, Item 101.6)
Three locknuts (Appendix G, Item 87)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

Top enclosure assembly removed (para. 12-125).

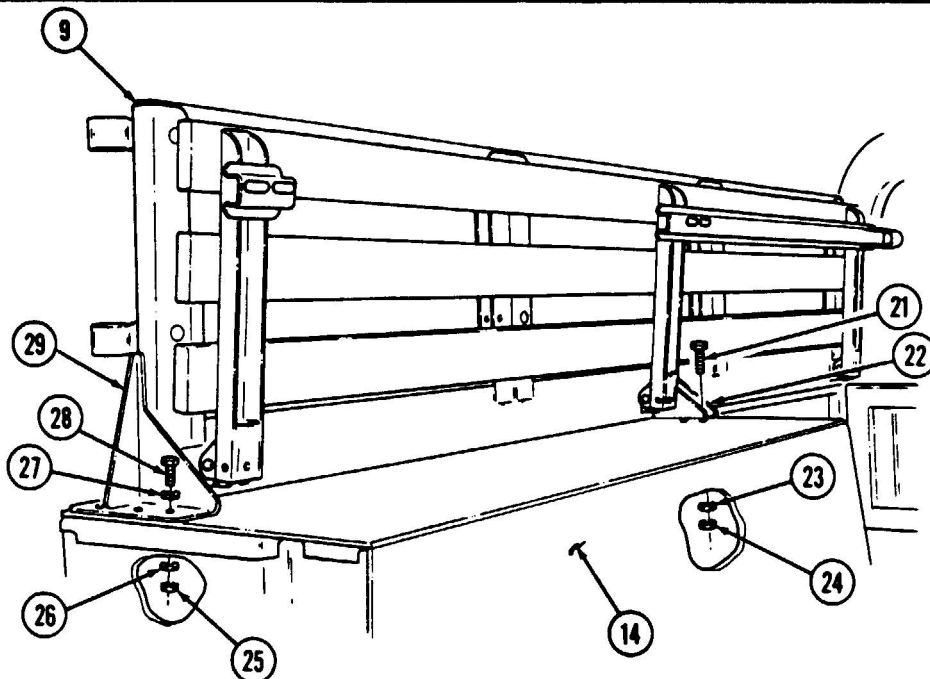
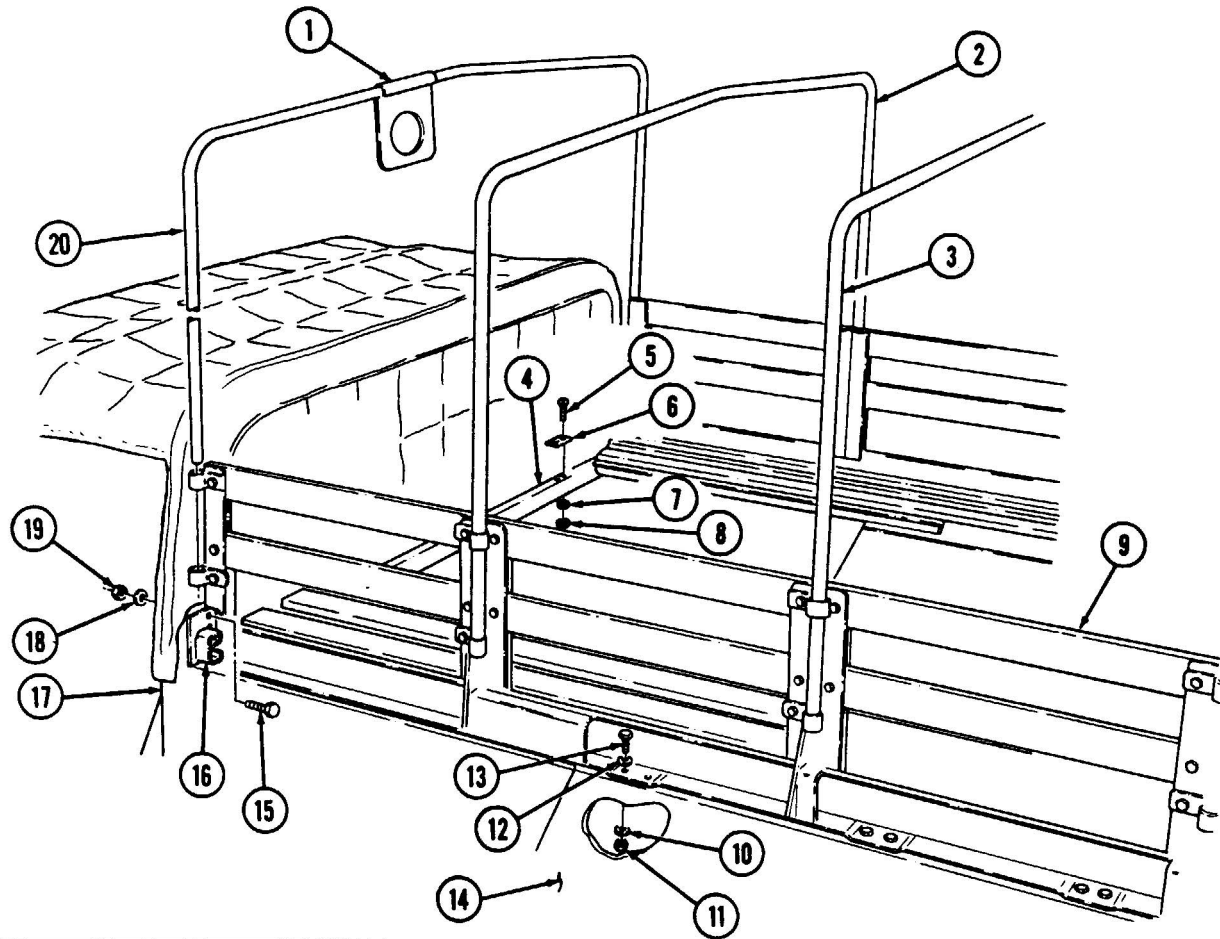
NOTE

Replacement instructions for left and right troop seat assemblies are the same. This procedure covers left troop seat assembly.

a. Removal

1. Remove plate (1) from front bow (20).
2. Remove front bow (20), middle bow (2), and rear bow (3) from troop seat assembly (9).
3. Remove six locknuts (11), washers (10), capscrews (13), and washers (12) from troop seat assembly (9) and wheelhousing (14). Discard locknuts (11).
4. Remove three locknuts (25), washers (26), capscrews (28), and washers (27) from rear corner troop seat bracket (29) and wheelhousing (14). Discard locknuts (25).
5. Remove two locknuts (24), washers (23), and capscrews (21) from front wheelhousing bracket (22) and wheelhousing (14). Discard locknuts (24).
6. Remove troop seat assembly (9) from wheelhousing (14) and support assembly (16).
7. Remove three locknuts (19), washers (18), and capscrews (15) from support assembly (16) and B-pillar (17). Discard locknuts (19).
8. Remove two locknuts (8), washers (7), screws (5), and block (6) from cargo bulkhead (4).

12-126. TROOP/CARGO WINTERIZATION TROOP SEAT ASSEMBLY AND BOW REPLACEMENT (Cont'd)



12-126. TROOP/CARGO WINTERIZATION TROOP SEAT ASSEMBLY AND BOW REPLACEMENT (Cont'd)

b. Installation

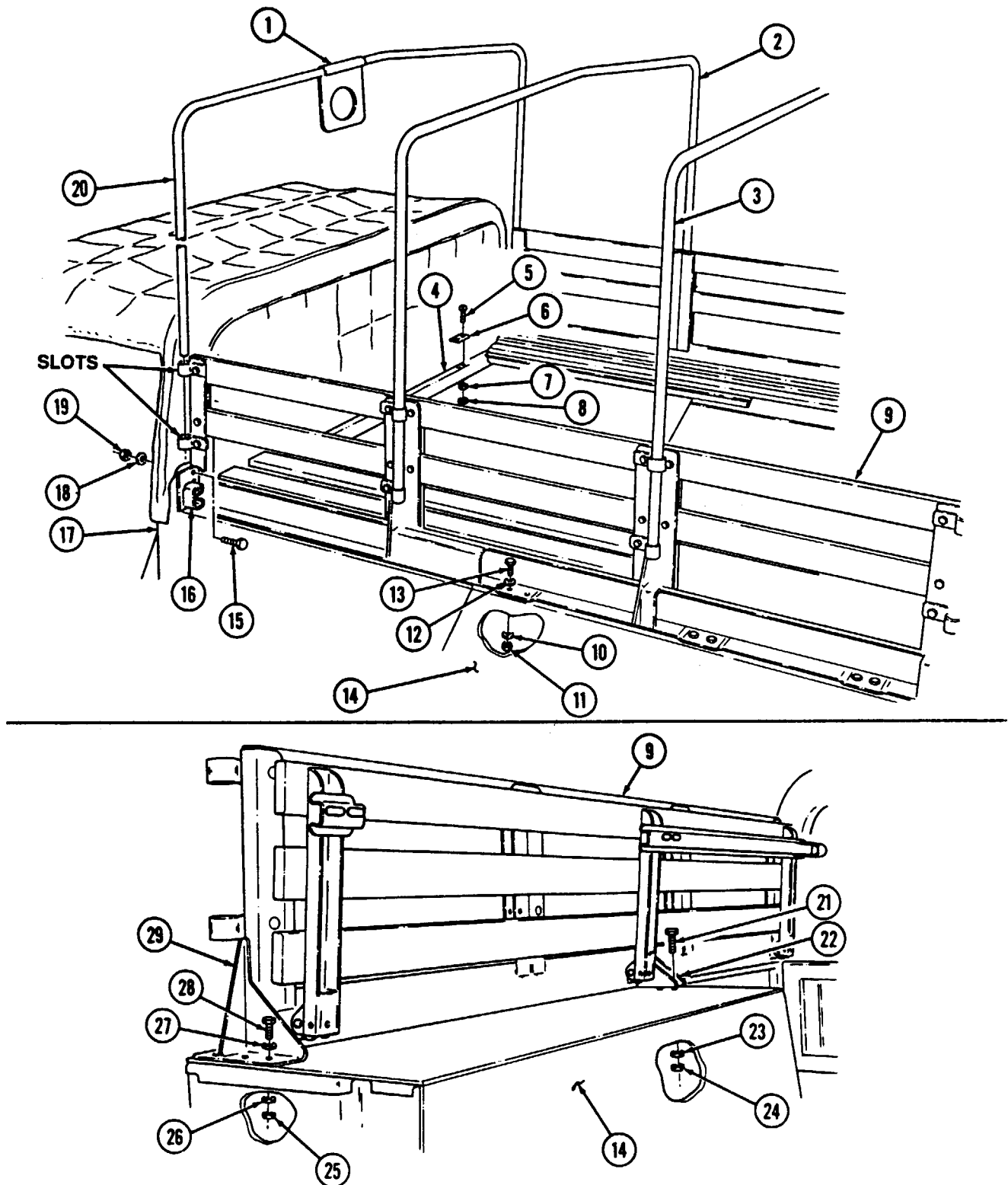
1. Install block (6) on cargo bulkhead (4) with two screws (5), washers (7), and locknuts (8).

NOTE

Support assembly must be installed with narrow offset to outside of vehicle and rounded side up.

2. Install support assembly (16) on B-pillar (17) with three capscrows (15), washers (18), and locknuts (19).
3. Install troop seat assembly (9), folded in stowed position, into support assembly (16) and on wheelhousing (14).
4. Install front wheelhousing bracket (22) on wheelhousing (14) with two capscrows (21), washers (23), and locknuts (24). Tighten locknuts (24) to 49 lb-ft (66 N•m).
5. Install rear corner troop seat bracket (29) on wheelhousing (14) with three washers (27), capscrows (28), washers (26), and locknuts (25). Tighten locknuts (25) to 96 lb-in. (11 N•m).
6. Install troop seat assembly (9) on wheelhousing (14) with six washers (12), capscrows (13), washers (10), and locknuts (11). Tighten locknuts (11) to 96 lb-in. (11 N•m).
7. Install front bow (20), middle bow (2), and rear bow (3) on slots on outside of troop seat assembly (9).
8. Install plate (1) on front bow (20).

12-126. TROOP/CARGO WINTERIZATION TROOP SEAT ASSEMBLY AND BOW REPLACEMENT (Cont'd)



FOLLOW-ON TASK: Install top enclosure assembly (para. 12-125).

12-127. TROOP/CARGO WINTERIZATION REAR STEP ASSEMBLY REPLACEMENT

This task covers:

a. Removal**b. Installation****INITIAL SETUP:****Applicable Models**

M1152

Materials/Parts

Two cotter pins (Appendix G, Item 19)

ToolsGeneral mechanic's tool kit:
automotive (Appendix B, Item 1)**Manual References**

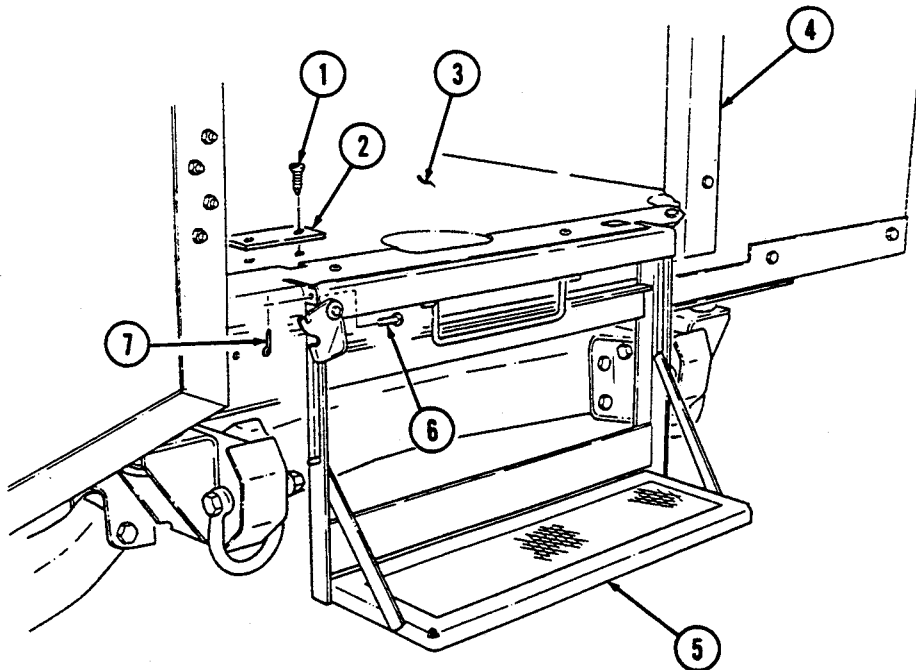
TM 9-2320-387-24P

a. Removal

1. Remove two cotter pins (7), clevis pins (6), and step assembly (5) from door and frame assembly (4). Discard cotter pins (7).
2. Remove two screws (1) and step latch strip (2) from cargo floor cover (3).

b. Installation

1. Install step latch strip (2) on cargo floor cover (3) with two screws (1).
2. Install step assembly (5) on door and frame assembly (4) with two clevis pins (6) and cotter pins (7).



12-128. TROOP/CARGO WINTERIZATION HANDLE ASSEMBLY REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Adhesive (Appendix C, Item 8)
Two locknuts (Appendix G, Item 133.14)

Manual References

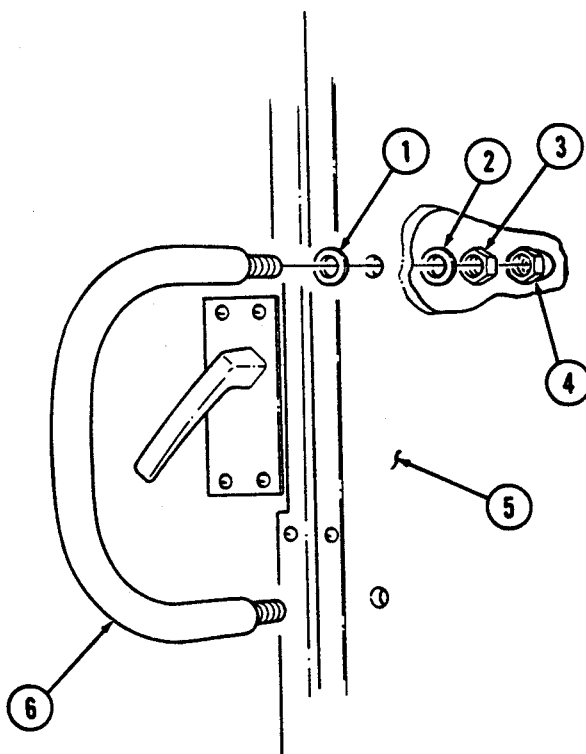
TM 9-2320-387-24P

a. Removal

Remove two safety caps (4), locknuts (3), washers (2), handle assembly (6) and two washers (1) from right end closure (5). Discard locknuts (3).

b. Installation

1. Install two washers (1) and handle assembly (6) on right end closure (5) with two washers (2) and locknuts (3).
2. Apply adhesive to exposed threads of handle assembly (6) and install two safety caps (4) on handle assembly (6).



12-129. TROOP/CARGO WINTERIZATION FUEL CAN MOUNTING BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Materials/Parts

Four locknuts (Appendix G, Item 101.10)

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Manual References

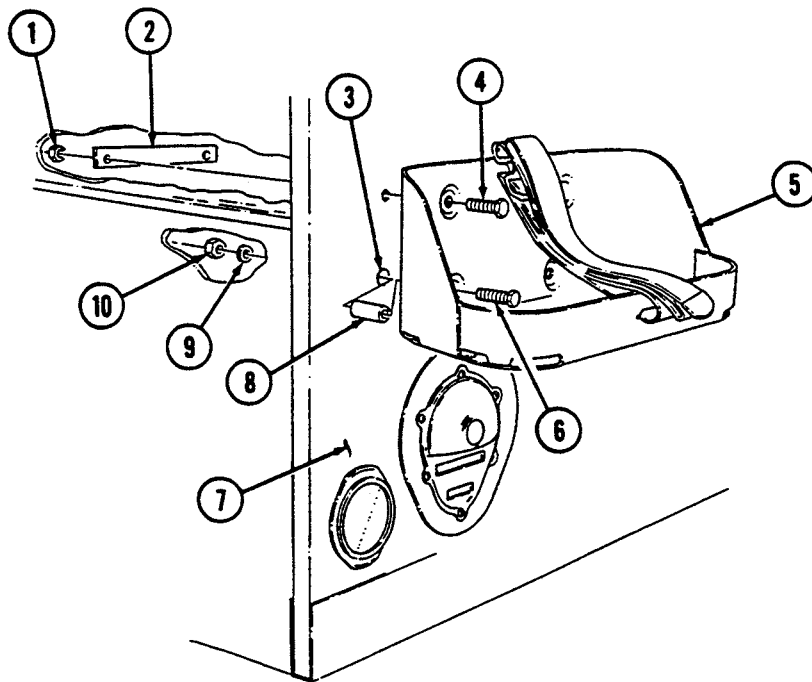
TM 9-2320-387-24P

a. Removal

1. Remove two locknuts (1), plate (2), and two capscrews (4) from fuel can mounting bracket (5) and left end closure (7). Discard locknuts (1).
2. Remove two locknuts (10), washers (9), capscrews (6), and fuel can mounting bracket (5) from left end closure (7). Discard locknuts (10).
3. Remove two spacers (8) from lower mounting holes (3) in left end closure (7).

b. Installation

1. Install two spacers (8) in lower mounting holes (3) in left end closure (7).
2. Install fuel can mounting bracket (5) on left end closure (7) with two capscrews (6), washers (9), and locknuts (10).
3. Secure fuel can mounting bracket (5) and plate (2) to left end closure (7) with two capscrews (4) and locknuts (1).
4. Tighten two locknuts (1) and locknuts (10) to 34 lb-ft (46 N•m).



12-130. TROOP/CARGO WINTERIZATION ANTENNA MOUNTING BRACKET REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

- AS 1729/VRC antenna removed (para. 12-21), if installed.
- AB-652/GR antenna removed (para. 12-23), if installed.

Materials/Parts

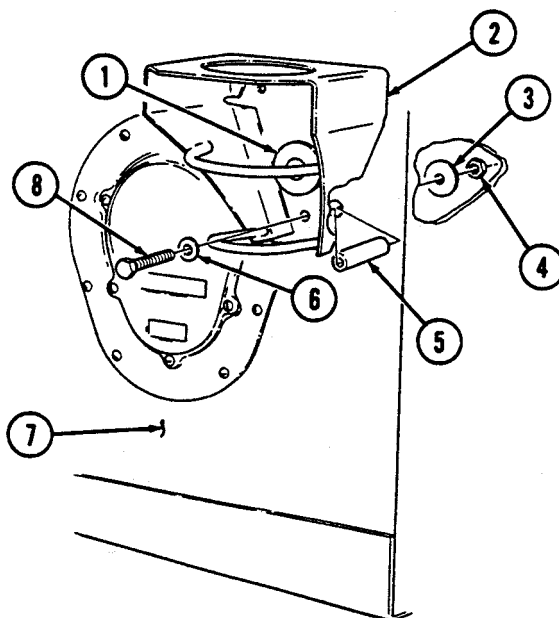
Three locknuts (Appendix G, Item 133.15)

a. Removal

1. Remove three locknuts (4), washers (3), capscrews (8), washers (6), and antenna mounting bracket (2) from right end closure (7). Discard locknuts (4).
2. Remove three spacers (5) from right end closure (7).
3. Remove grommet (1) from antenna mounting bracket (2).

b. Installation

1. Install grommet (1) on antenna mounting bracket (2).
2. Install three spacers (5) on right end closure (7).
3. Install antenna mounting bracket (2) on right end closure (7) with three washers (6), capscrews (8), washers (3), and locknuts (4). Tighten locknuts (4) to 15 lb-ft (20 N·m).



FOLLOW-ON TASKS:

- Install AS 1729/VRC antenna (para. 12-21), if removed.
- Install AB-652/GR antenna (para. 12-23), if removed.

12-131. TROOP/CARGO WINTERIZATION REAR REFLECTOR REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

NOTE

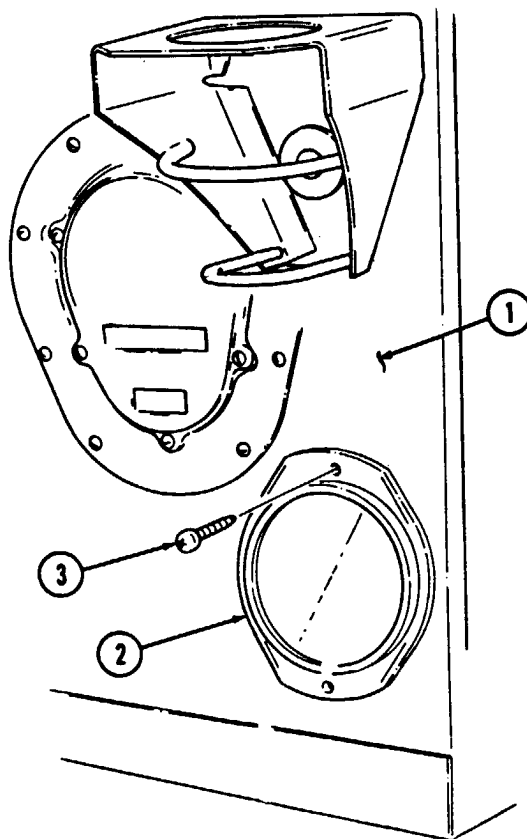
Replacement instructions for left and right rear reflectors are the same. This procedure covers right rear reflector.

a. Removal

Remove two screws (3) and reflector (2) from right end closure (1).

b. Installation

Install reflector (2) on right end closure (1) with two screws (3).



12-132. TROOP/CARGO WINTERIZATION REAR COMPOSITE LIGHT HOUSING REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Equipment Condition

Rear composite light assembly removed
(para. 4-57).

NOTE

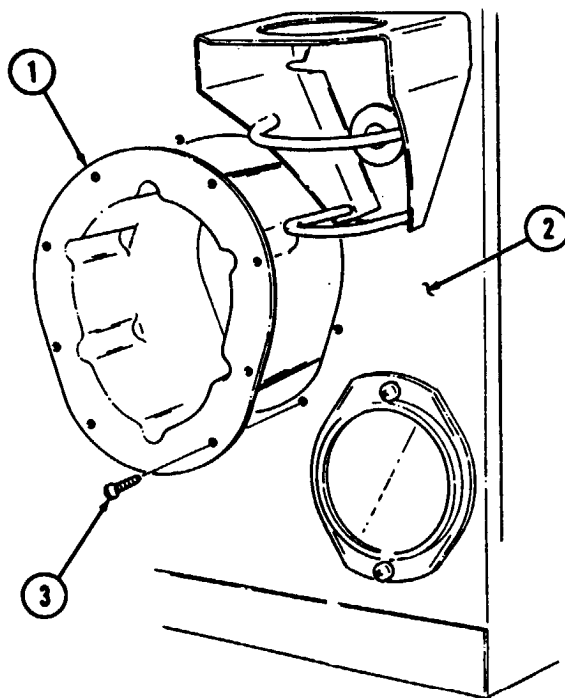
Replacement instructions for left and right rear composite light housings are the same. This procedure covers right rear composite light housing.

a. Removal

Remove eight screws (3) and rear composite light housing (1) from right end closure (2).

b. Installation

Install rear composite light housing (1) on right end closure (2) with eight screws (3).



FOLLOW-ON TASK: Install rear composite light housing (para. 4-57).

12-133. TROOP/CARGO WINTERIZATION DATA PLATE REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1152

Manual References

TM 9-2320-387-24P

Tools

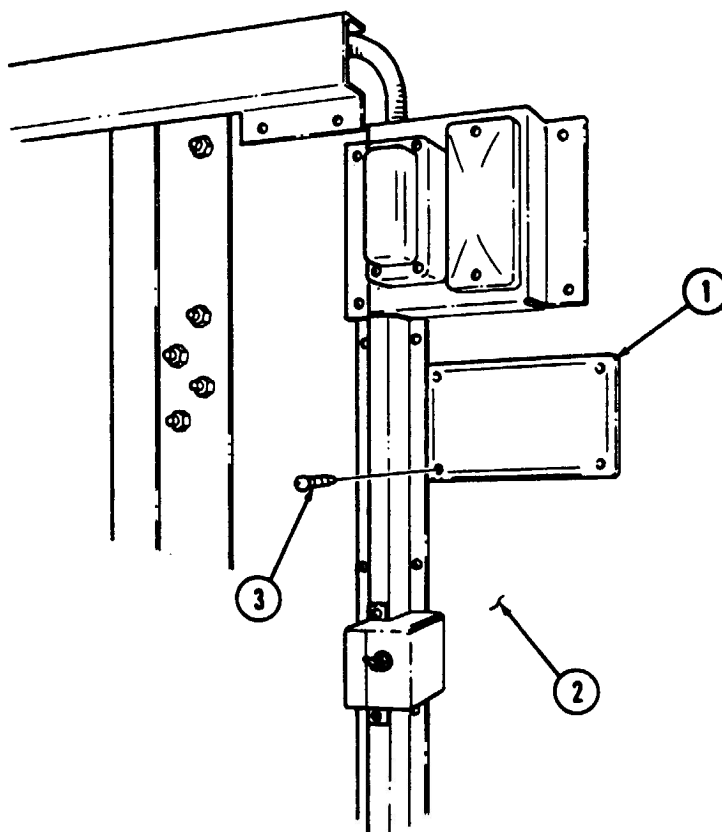
General mechanic's tool kit:
automotive (Appendix B, Item 1)

a. Removal

Remove four screws (3) and data plate (1) from left end closure (2).

b. Installation

Install data plate (1) on left end closure (2) with four screws (3).



CHAPTER 13

PREPARATION FOR STORAGE OR SHIPMENT

Refer to TM 9-2320-387-24-2, Chapter 13, for Preparation for Storage or Shipment.

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CHAPTER 14

TROUBLESHOOTING (DS/GS)

Refer to TM 9-2320-387-24-2, Chapter 14, for Troubleshooting (DS/GS).

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CHAPTER 15

ENGINE (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 15, for Engine (DS) Maintenance.

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CHAPTER 16

FUEL SYSTEM (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 16, for Fuel System (DS) Maintenance.

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CHAPTER 17

COOLING SYSTEM (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 17, for Cooling System (DS) Maintenance.

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CHAPTER 18

ELECTRICAL SYSTEM (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 18, for Electrical System (DS) Maintenance.

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CHAPTER 19

TRANSMISSION (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 19, for Transmission (DS) Maintenance.

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CHAPTER 20

TRANSFER CASE (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 20, for Transfer Case (DS) Maintenance.

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CHAPTER 21

PROPELLER SHAFTS, AXLES, AND SUSPENSION (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 21, for Propeller Shafts, Axles, and Suspension (DS) Maintenance.

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CHAPTER 22

SERVICE BRAKE SYSTEM (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 22, for Service Brake System (DS) Maintenance.

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CHAPTER 23

STEERING SYSTEM (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 23, for Steering System (DS) Maintenance.

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CHAPTER 24

FRAME (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 24, for Frame (DS) Maintenance.

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CHAPTER 25
SPECIAL PURPOSE BODIES (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 25, for any maintenance task not listed below.

25-1. SPECIAL PURPOSE BODIES (DS) MAINTENANCE TASK SUMMARY

TASK PARA.	PROCEDURES	PAGE NO.
25-3.1.	Roof Replacement	25-2.2
25-4.1.	Support Ring Maintenance	25-6.2
25-6.1.	Windshield Maintenance (M1151)	25-14.2
25-7.1.	Cargo Shell Maintenance (M1151)	25-20.2

25-3.1. ROOF REPLACEMENT

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Sixteen locknuts (Appendix G, Item 106)
Plain assembled nut (Appendix G, Item 197.1)
Sealing compound (Appendix C, Item 62)

Manual References

TM 9-2320-387-24P

Personnel Required

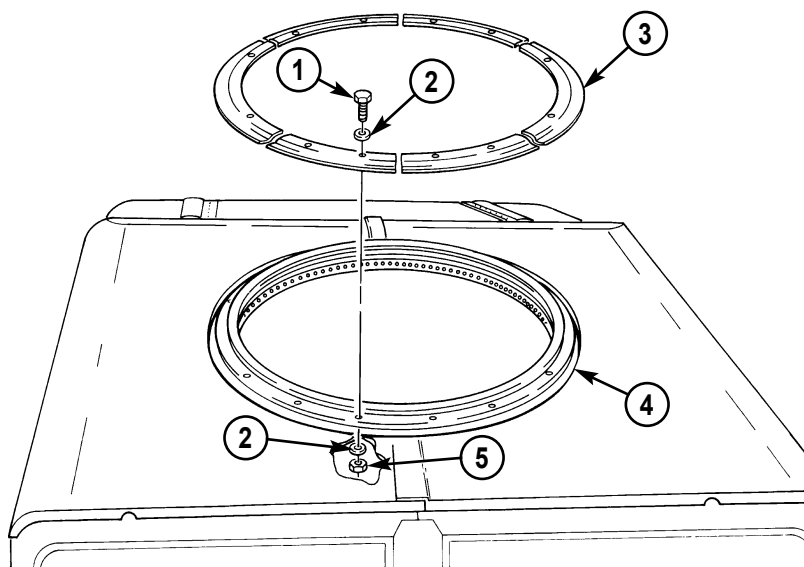
One mechanic
One assistant

Equipment Condition

Weapon station tray removed
(para.11-49.12).

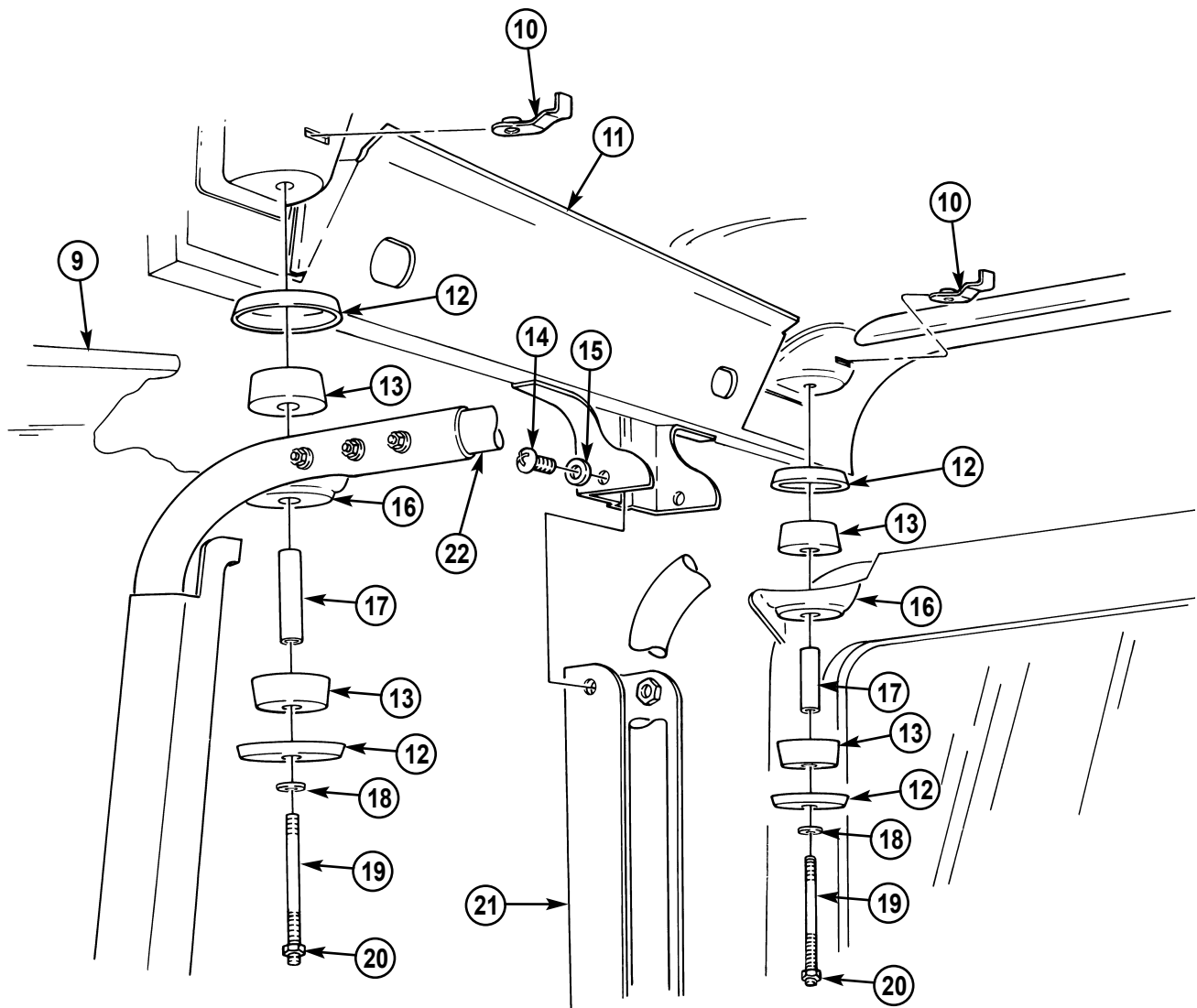
a. Removal

1. Remove twelve locknuts (5), washers (2), capscrews (1), washers (2), and six roof retainers (3) from bearing (4). Discard locknuts (5).



25-3.1. ROOF REPLACEMENT (Cont'd)

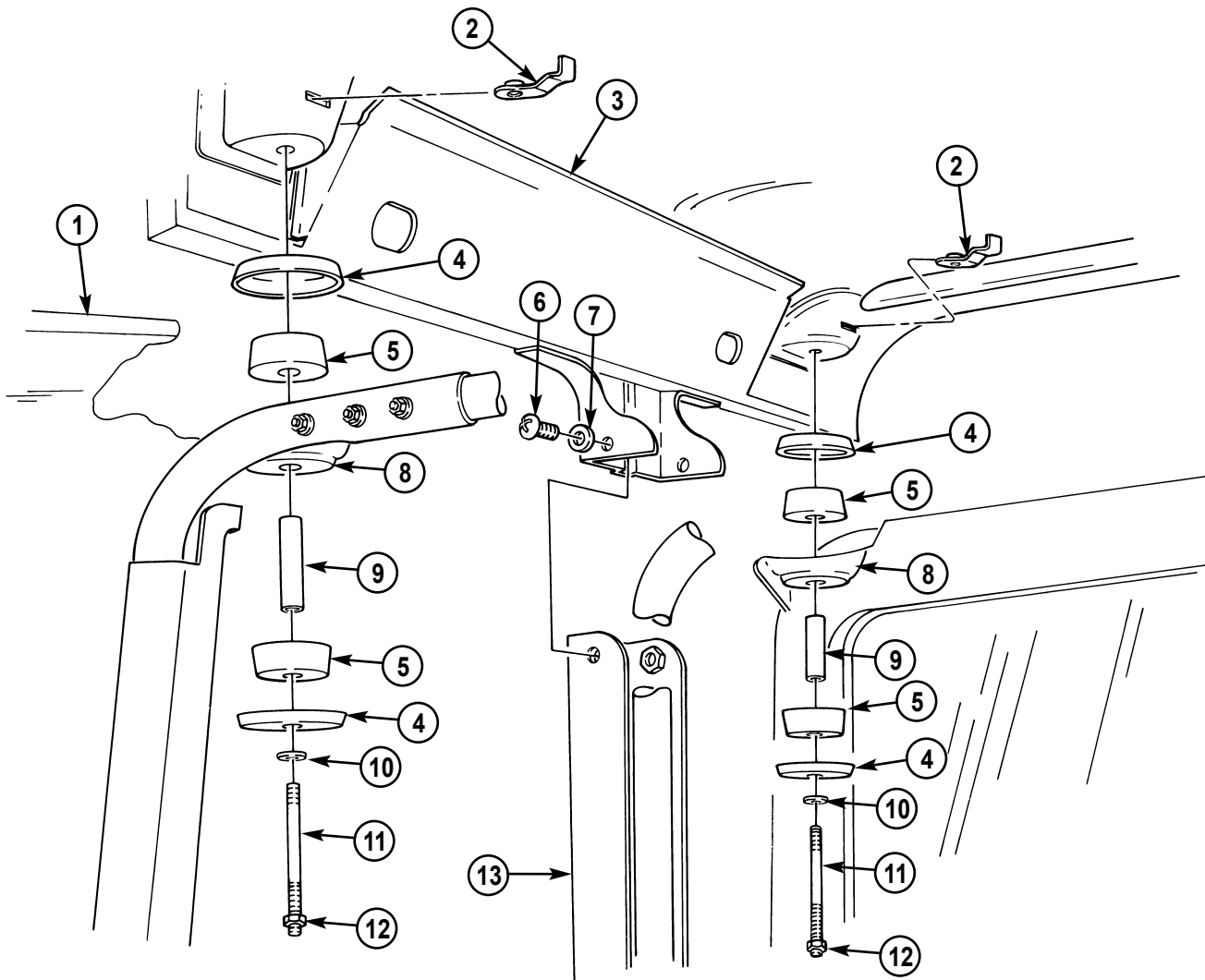
2. Remove four screws (14) and washers (15) securing roof (11) to B-pillar covers (21).
3. Remove four locknuts (20) with studs (19) and washers (18) from roof mounting plates (10). Remove four snubber plates (12), roof mounts (13), and bushings (17) from ring mount supports (16).
4. Remove four roof mounting plates (10) from roof (11).
5. Remove roof (11) from vehicle.
6. Remove four snubber plates (12) and roof mounts (13) from ring mount supports (16).
7. Clean sealant from roof (11), support ring (22), and roof mounting ledges (9) on body sides.



25-3.1. ROOF REPLACEMENT (Cont'd)

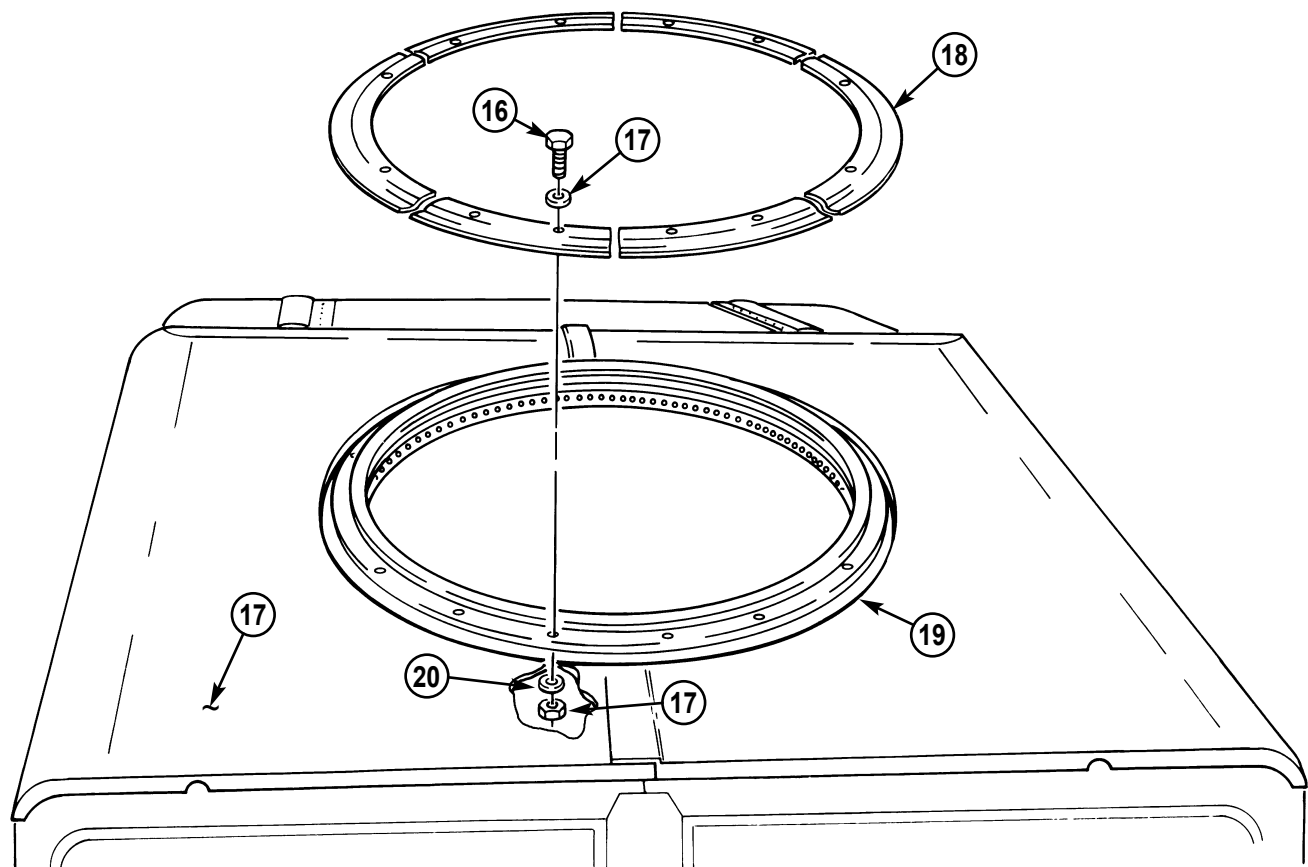
b. Installation

1. Apply sealing compound on roof mounting ledges (1) at body sides.
2. Install four roof mounts (5) and snubber plates (4) on ring mount supports (8).
3. Install roof (3) on ring mount supports (8).
4. Install four bushings (9), roof mounts (5), and snubber plates (4) on ring mount supports (8).
5. Install four roof mounting plates (2) in roof (3), and secure roof (3) to ring mount supports (8) with washers (10), studs (11), and locknuts (12).
6. Install roof (3) to B-pillar covers (13) with four washers (7) and screws (6).
7. Tighten four locknuts (12) to 37 lb-ft (50 N•m).



25-3.1. ROOF REPLACEMENT (Cont'd)

8. Install turret bearing (19) (para. 11-55.4), if removed.
9. Install six roof retainers (18) to turret bearing (19) with twelve washers (17), capscrews (16), washers (17), and locknuts (20). Tighten locknuts (20) to 37 lb-ft (50 N•m).



FOLLOW-ON TASK: Install weapon station tray (para. 11-49.12).

25-4.1. SUPPORT RING MAINTENANCE

This task covers:

- a. Removal
- b. Disassembly

- c. Assembly
- d. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Six spring pins (Appendix G, Item 246.1)
Eight locknuts (Appendix G, Items 106)
Eight locknuts (Appendix G, Item 108)
Assembled locknut (Appendix G, Item 194)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

- Turret bearing removed (para. 11-55.4).
- Roof removed (para. 25-3.1).

Maintenance Level

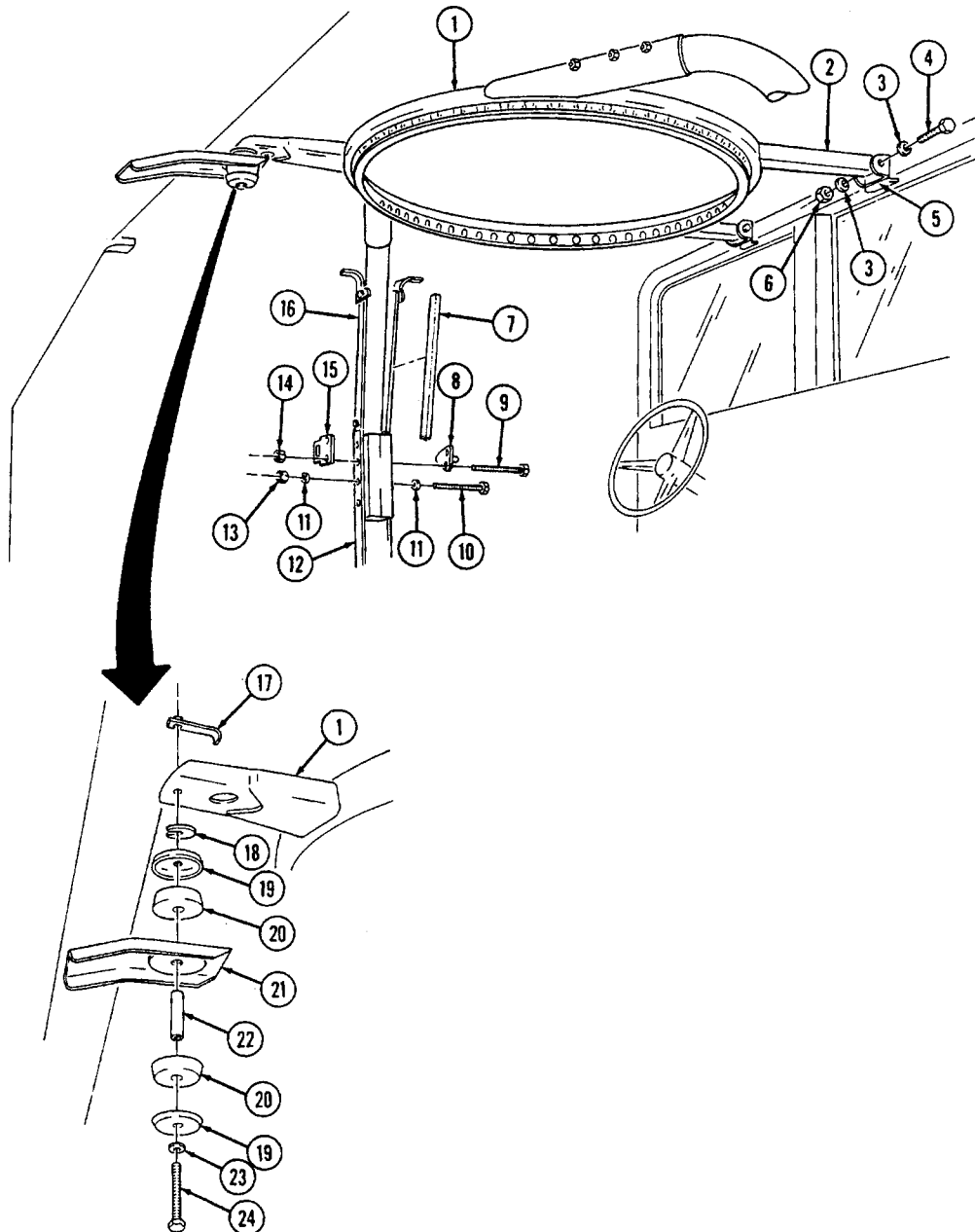
Direct support

a. Removal

NOTE

Note location of attaching hardware for installation.

1. Remove two locknuts (6), washers (3), capscrews (4), washers (3), and front supports (2) from front mounting clevises (5). Discard locknuts (6).
2. Remove four locknuts (14), capscrews (9), two striker plates (8), and strap brackets (15) from B-pillars (12). Discard locknuts (14).
3. Remove four locknuts (13), washers (11), capscrews (10), washers (11), and support ring (1) from two B-pillars (12). Discard locknuts (13).
4. Remove four edge trim strips (7) from B-pillar covers (16).
5. Remove capscrew (24), washer (23), snubber (19), mount (20), bushing (22), mount (20), snubber (19), shim(s) (18) if present, and plate (17) from support ring (1) and C-pillar support bracket (21).
6. Remove support ring (1) from vehicle.

25-4.1. SUPPORT RING MAINTENANCE (Cont'd)

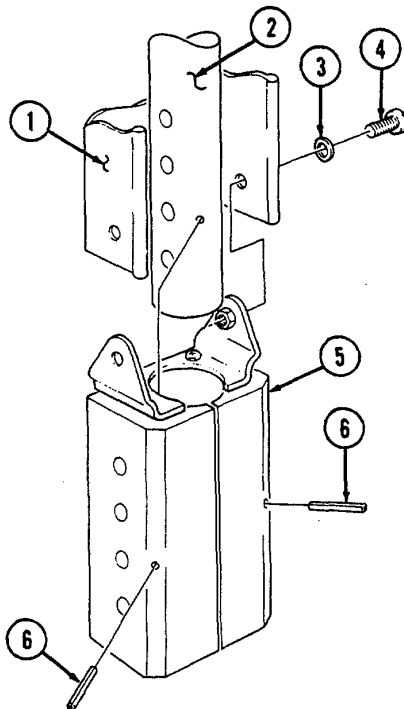
25-4.1. SUPPORT RING MAINTENANCE (Cont'd)

b. Disassembly

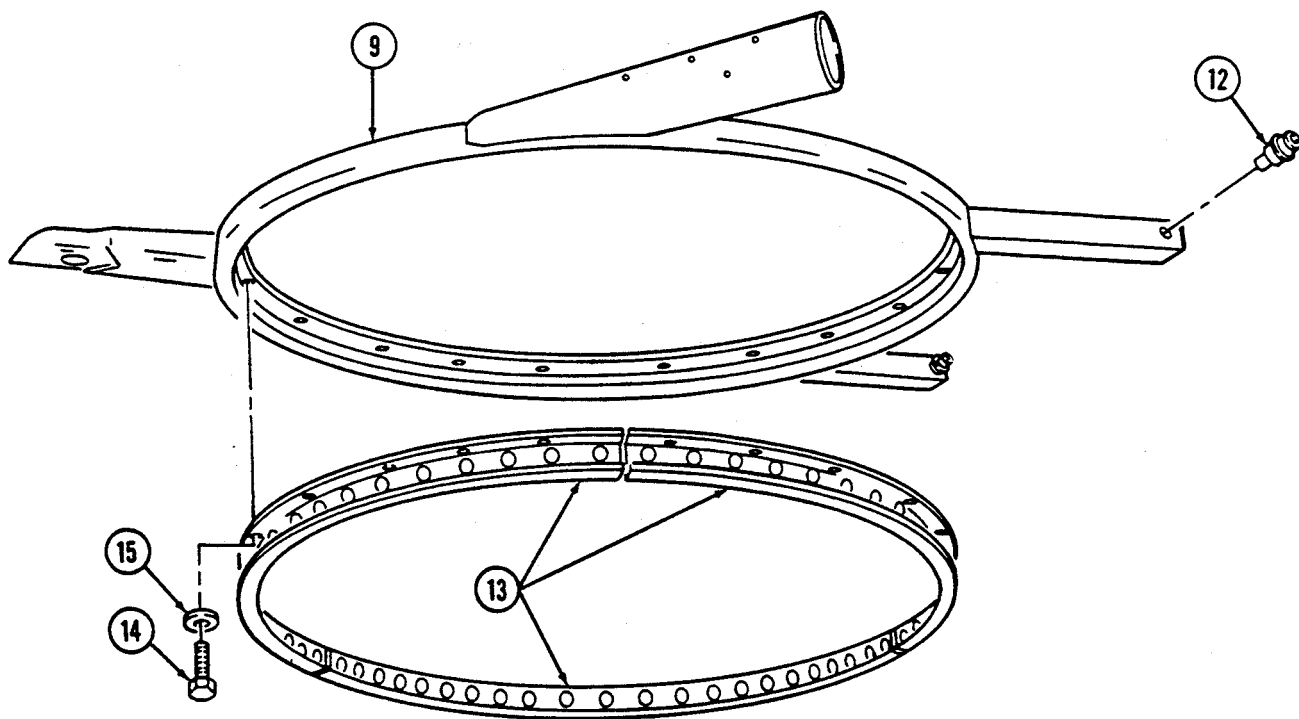
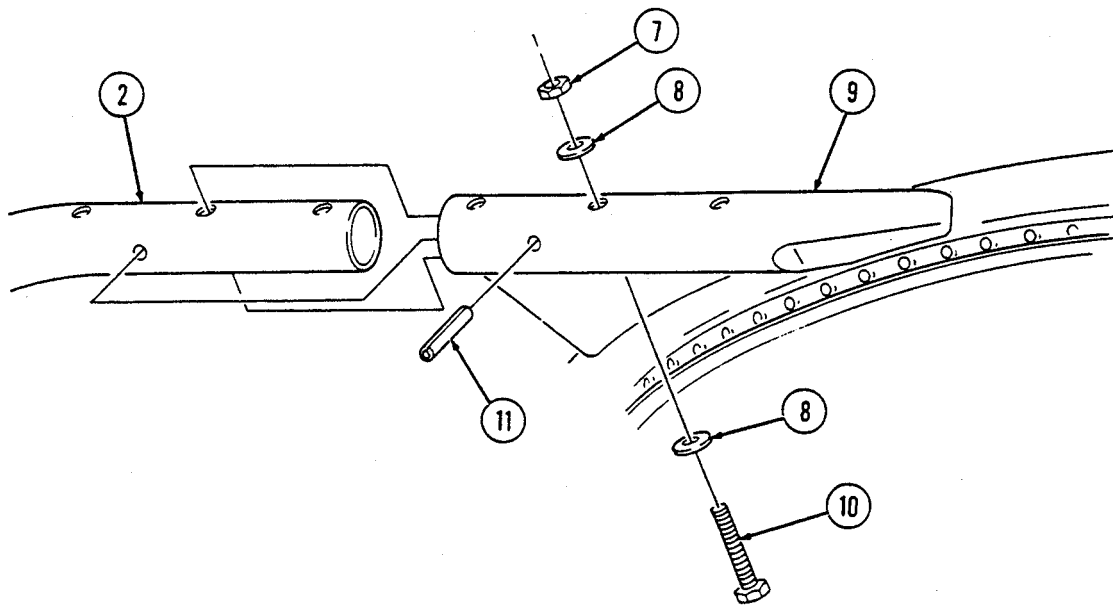
1. Remove four screws (4), washers (3), and two B-pillar support covers (1) from connecting blocks (5).
2. Remove four spring pins (6) and two connecting blocks (5) from two upper supports (2). Discard spring pins (6).
3. Remove six locknuts (7), washers (8), capscrews (10) and washers (8) from two upper supports (2) and support ring (9). Discard locknuts (7).
4. Remove two spring pins (11) and two upper supports (2) from support ring (9). Discard spring pins (11).
5. Remove eighteen capscrews (14), washers (15), and three turret lockrings (13) from support ring (9).
6. Remove four bushings (12) from support ring (9). Inspect bushings (12) for damage. Replace if damaged.

c. Assembly

1. Install four bushings (12) on support ring (9).
2. Install three turret lockrings (13) on support ring (9) with eighteen washers (15) and capscrews (14). Tighten capscrews (14) to 37 lb-ft (50 N·m).
3. Install two upper supports (2) on support ring (9) with six washers (8), capscrews (10), washers (8), and locknuts (7). Finger tighten locknuts (7).
4. Install two connecting blocks (5) on upper supports (2).
5. Install two B-pillar support covers (1) on connecting blocks (5) with four washers (3) and screws (4). Finger tighten screws (4).



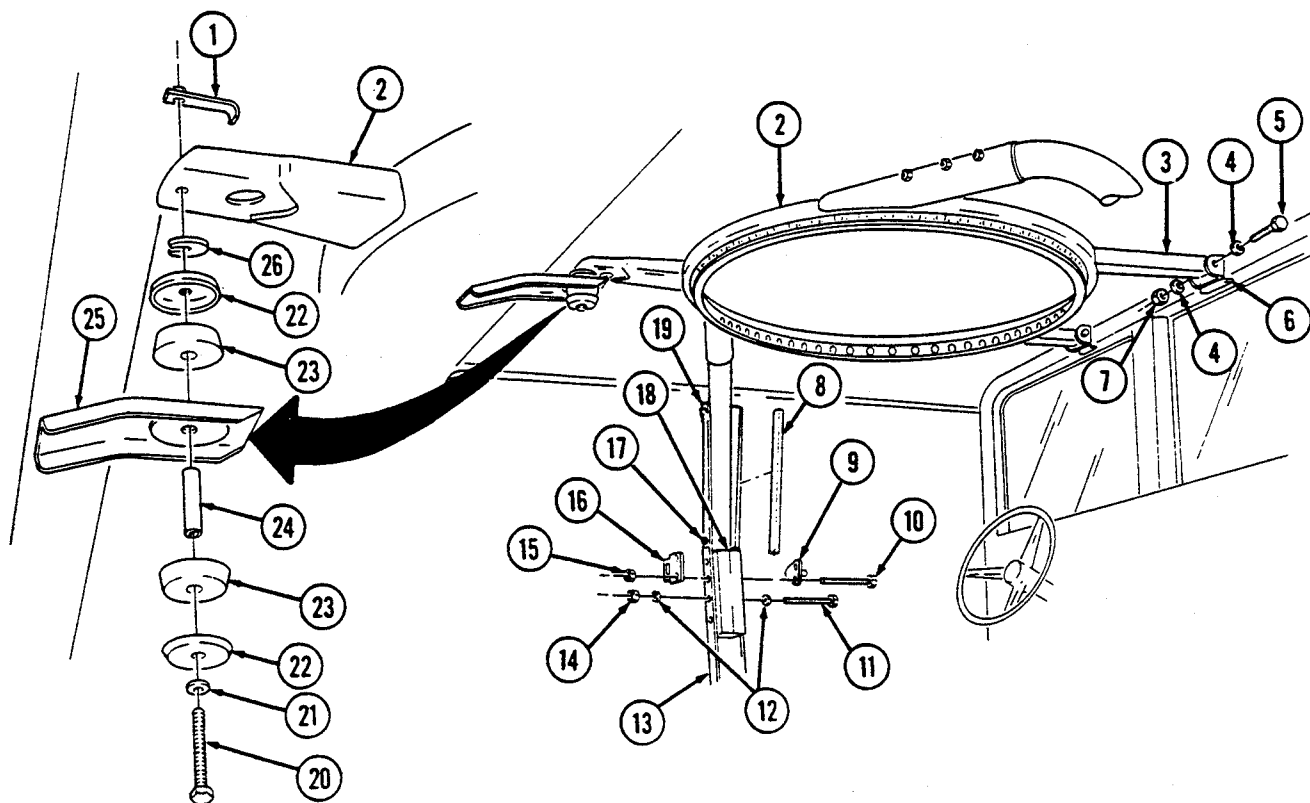
25-4.1. SUPPORT RING MAINTENANCE (Cont'd)



25-4.1. SUPPORT RING MAINTENANCE (Cont'd)

d. Installation

1. Install support ring (2) on vehicle.
2. Install support ring (2) on C-pillar support bracket (25) with plate (1), shim(s) (26) if removed, snubber (22), mount (23), bushing (24), mount (23), snubber (22), washer (21), and capscrew (20). Finger tighten capscrew (20).
3. Install two front supports (3) on front mounting clevises (6) with two washers (4), capscrews (5), washers (4), and locknuts (7).
4. Install roof (para. 25-3.1).
5. Tighten two locknuts (7) to 26 lb-ft (35 N•m).
6. Install two connecting blocks (18) to B-pillars (13) with four washers (12), capscrews (11), washers (12), and locknuts (14). Tighten locknuts (14) to 21 lb-ft (29 N•m).
7. Tighten four screws (17) securing B-pillar covers (19) to 15 lb-ft (20 N•m).
8. Install two striker plates (9) and two strap brackets (16) to B-pillars (13) with four capscrews (10) and locknuts (15). Tighten locknuts (15) to 21 lb-ft (29 N•m).
9. Install four edge trim strips (8) on B-pillar covers (19).



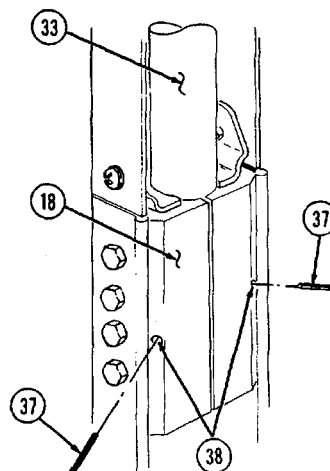
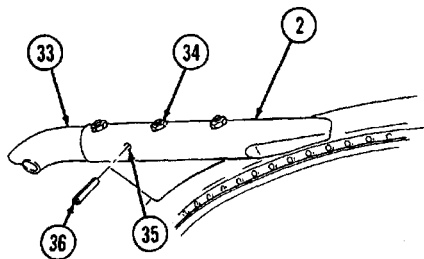
25-4.1. SUPPORT RING MAINTENANCE (Cont'd)

10. Tighten six locknuts (34) on support ring (2) and upper supports (33) to 37 lb-ft (50 N•m).
11. Tighten capscrew (20) on support ring (2) and C-pillar support bracket (25) to 37 lb-ft (50 N•m).

NOTE

It may be necessary to drill new holes into upper supports to allow spring pins to be inserted.

12. Insert four spring pins (37) through spring pin holes (38) in two connecting blocks (18). Drive ends of spring pins (37) into upper supports (33). Ensure ends of spring pins (37) are even with surface of connecting blocks (18).
13. Insert two spring pins (36) through spring pin holes (35) in support ring (2). Drive spring pins (36) into upper supports (33). Ensure ends of spring pins (36) are even with surface of support ring (2).



FOLLOW-ON TASKS:

- Install turret bearing (para. 11-55.4).
- Install roof (para. 25-3.1).

25-6.1. WINDSHIELD MAINTENANCE (M1151)

This task covers:

a. Removal	c. Assembly
b. Disassembly	d. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Four locknuts (Appendix G, Item 106)
Assembled locknut (Appendix G, Item 194)
Six lockwashers (Appendix G, Item 190.3)
Twenty-seven blind rivets
(Appendix G, Item 271.3)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

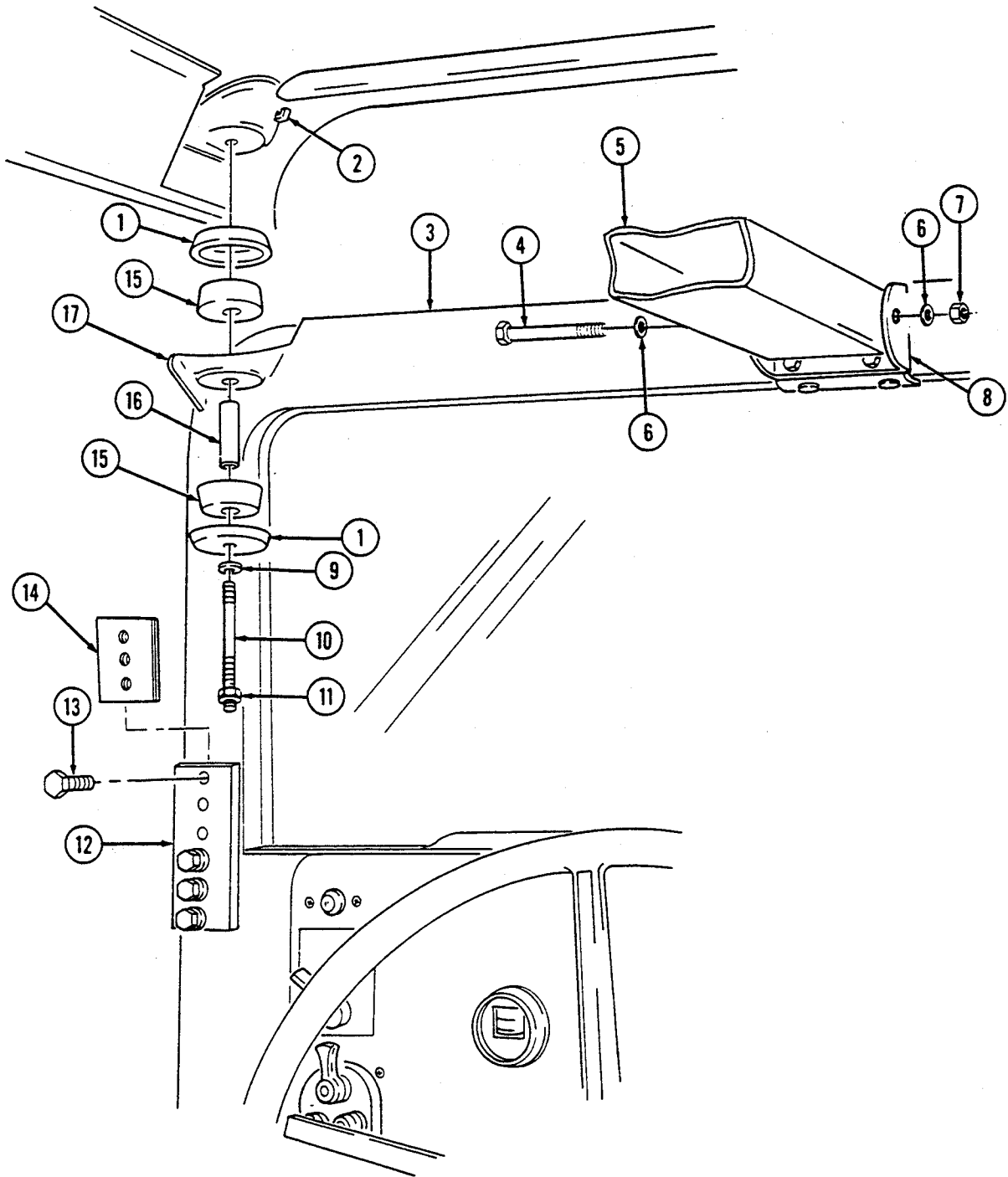
- Wiper arms removed (para. 10-62).
- Left defroster nozzle removed (para. 10-83).
- Right defroster nozzle removed (para. 10-84).

Maintenance Level

Direct support

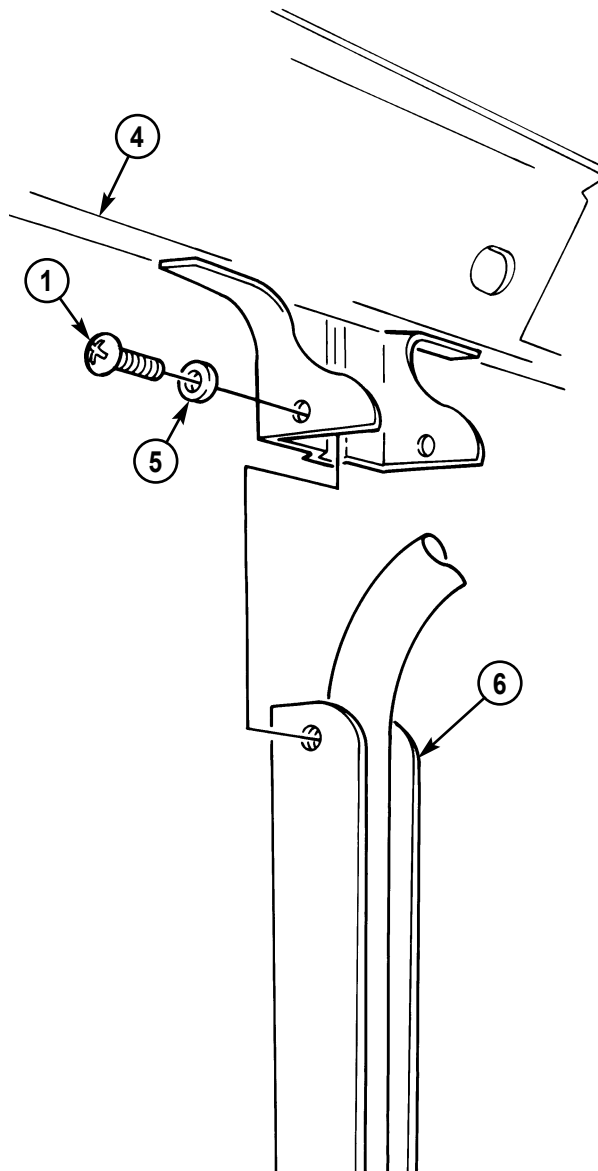
a. Removal

1. Remove six capscrews (13) from two rear windshield mounting brackets (12) and windshield (3). Remove shims (14) from behind mounting brackets (12), if present.
2. Remove two locknuts (7), washers (6), capscrews (4), washers (6), and ring front supports (5) from windshield clevises (8). Discard locknuts (7).
3. Remove two locknuts (11), studs (10), washers (9), snubber plates (1), mounts (15), bushings (16), mounts (15), snubber plates (1), and front roof mount plates (2) from windshield support mounts (17). Discard locknuts (11).

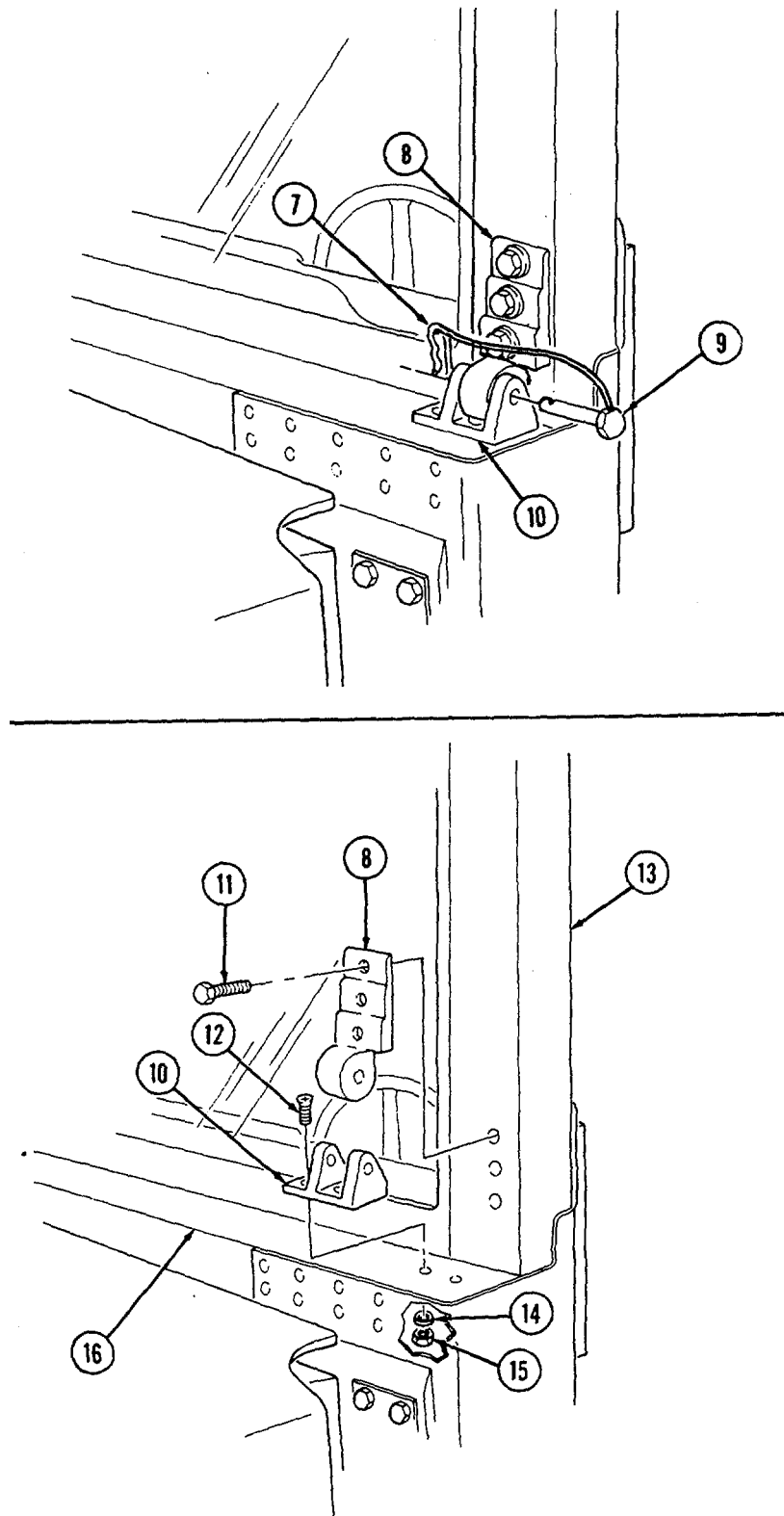
25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)

25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)

4. Remove four screws (1), washers (5), and roof (4) from two B-pillar support covers (6).
5. Remove three hitch pins (7) and windshield hinge pins (9) from front hinges (8) and lower hinges (10).
6. Remove nine capscrews (11) and three windshield frame front hinges (8) from windshield frame (13).
7. Remove six nuts (15), lockwashers (14), flat head screws (12), and three windshield lower hinges (10) from A-beam (16). Discard lockwashers (14).



25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)



25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)

8. Raise and support front of roof (2) to allow removal of windshield (1).
9. Pull windshield (1) forward. Remove grommet (3) from A-beam (9) and disconnect leads 71 (4), 71B (5), and 57F (7) from body harness (6).
10. Remove windshield (1).

b. Disassembly

1. Remove eight capscrews (13), washers (12), two clevises (11) and shim(s) (10) if present, from windshield (1).
2. Remove windshield wiper arm pivots (para.10-60).
3. Remove grommet (3) and jumper harness (8) from windshield (1).
4. Remove seals (17) and (18) from windshield (1).

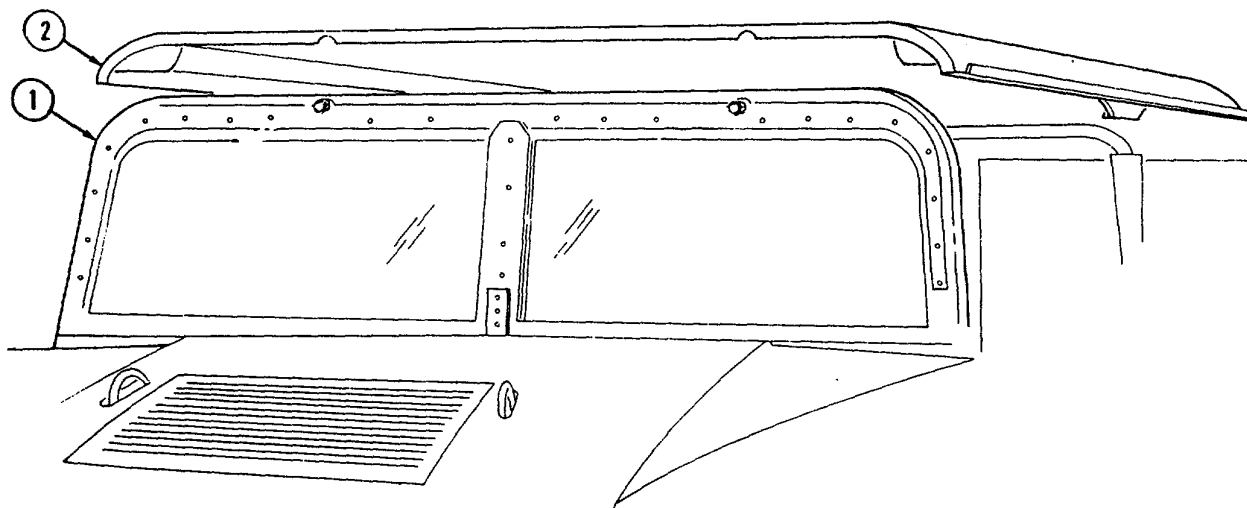
NOTE

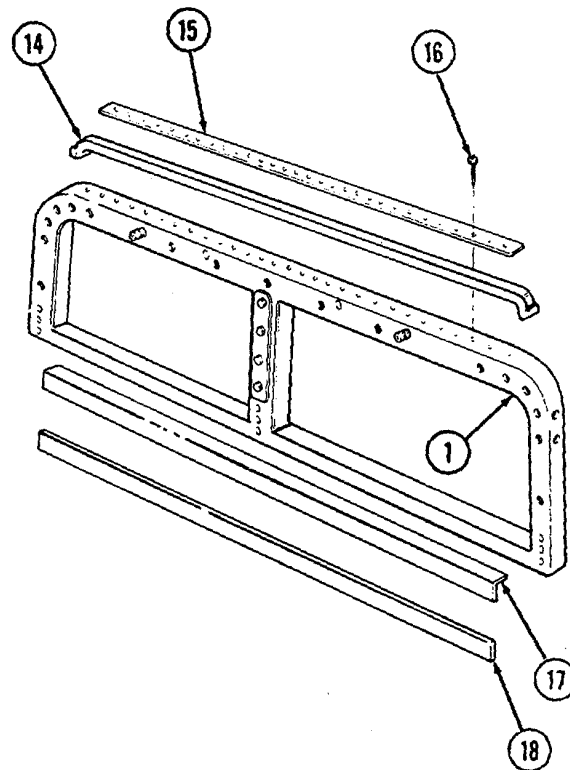
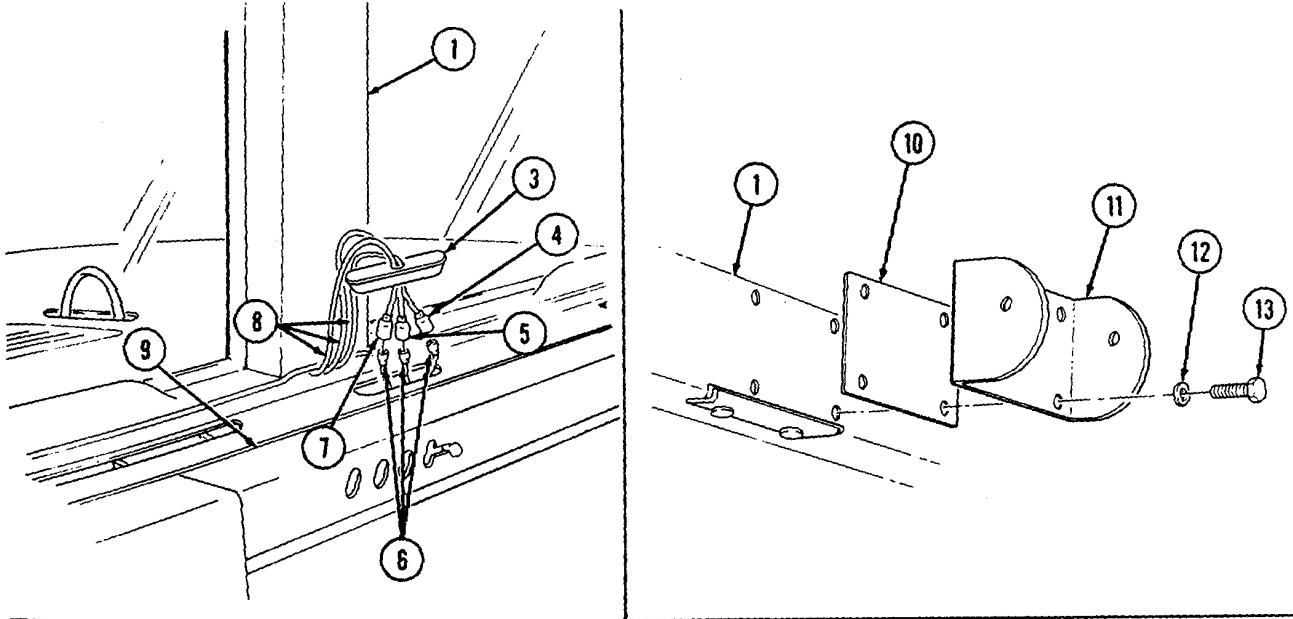
For instructions on replacement of rivets, refer to para. 10-56.

5. Remove twenty-seven rivets (16), retainer (15), and seal (14) from windshield (1).

c. Assembly

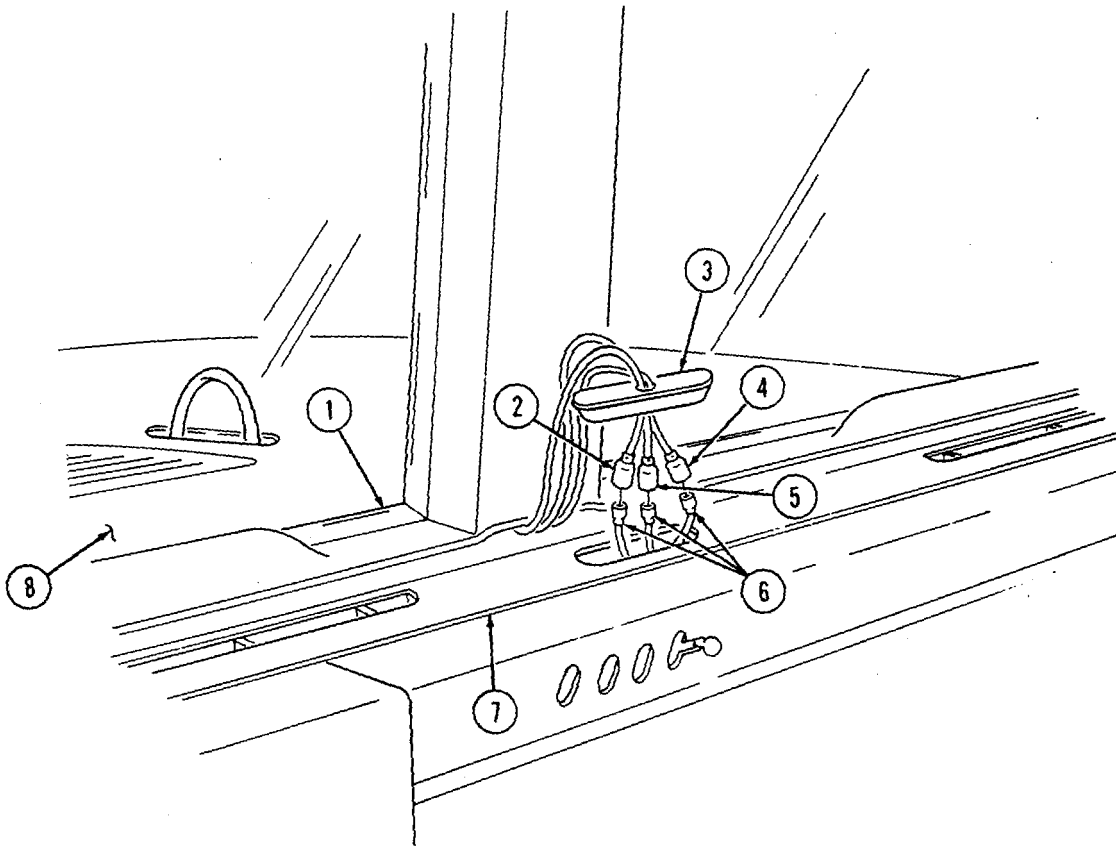
1. Install seal (14) and retainer (15) on windshield (1) with twenty-seven rivets (16).
2. Apply seals (17) and (18) to bottom of windshield (1).
3. Install jumper harness (8) and grommet (3) in windshield (1).
4. Install windshield wiper arm pivots (para. 10-60), but do not install wiper arms.
5. Install shim(s) (10), if removed, and two clevises (11) on windshield (1) with eight washers (12) and capscrews (13). Tighten capscrews (13) to 15 lb-ft (20 N-m).



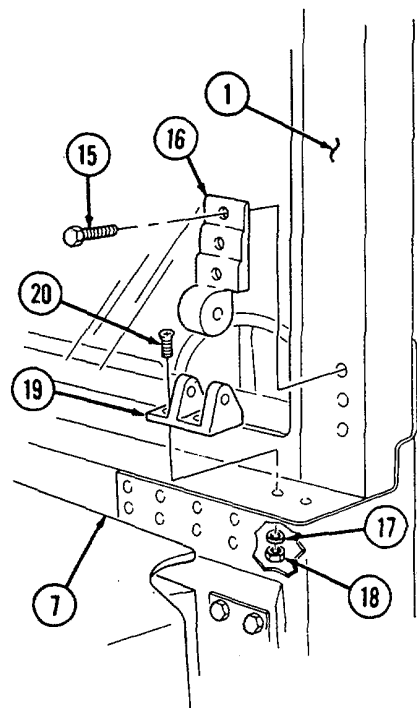
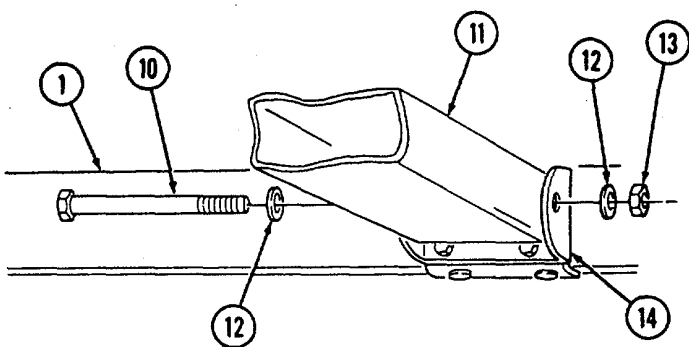
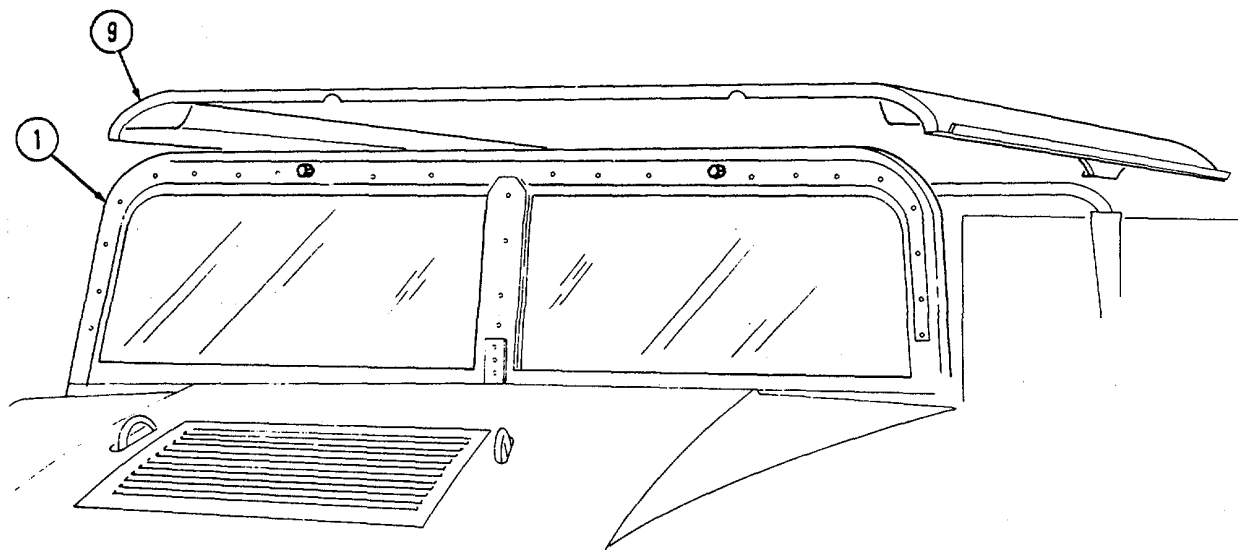
25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)

25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)**d. Installation**

1. Position windshield (1) on vehicle hood (8). Connect leads 71 (4), 71B (5), and 57F (2) to body harness (6) and install grommet (3) in A-beam (7).
2. Raise and support front of roof (9) to allow installation of windshield (1).
3. Slide windshield (1) into mounting position between roof (9) and A-beam (7).
4. Lower front of roof (9) and install two windshield clevises (14) on two ring front supports (11) with two washers (12), capscrews (10), washers (12), and locknuts (13).
5. Install three lower hinges (19) to A-beam (7) with six flat head screws (20), lockwashers (17), and nuts (18). Tighten flat head screws (20) to 8 lb-ft (11 N•m).
6. Install three front hinges (16) to windshield (1) with nine capscrews (15). Tighten capscrews (15) to 15 lb-ft (20 N•m).

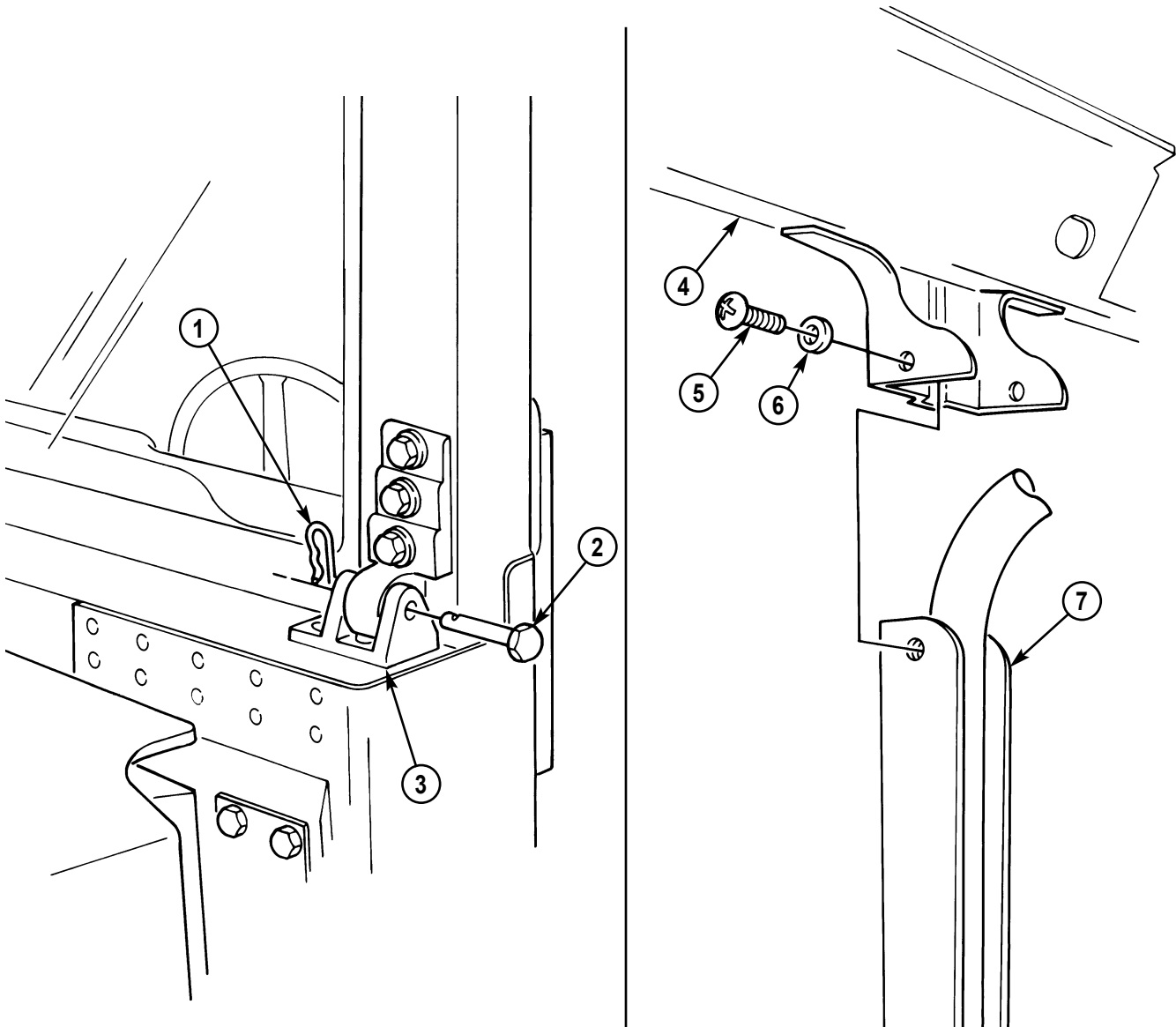


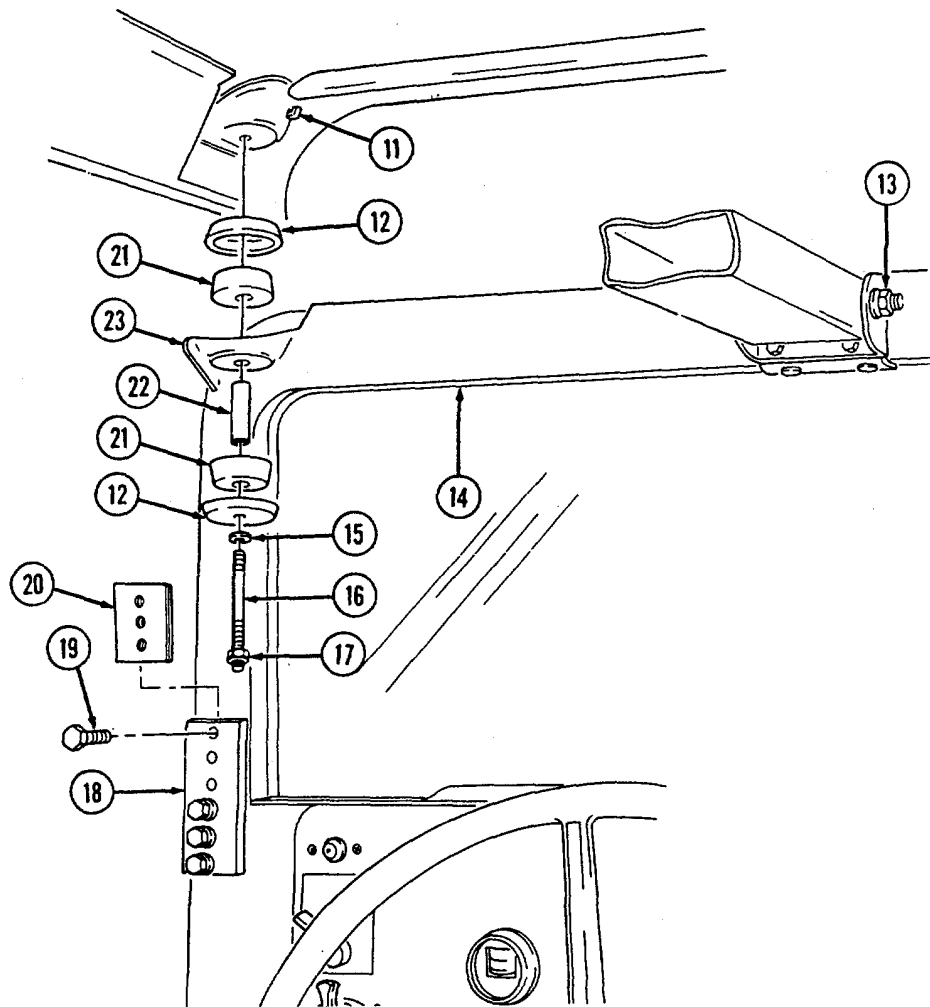
25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)



25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)

7. Install three hinge pins (2) in lower hinges (3) with three hitch pins (1).
8. Install two B-pillar covers (7) on roof (4) with four washers (6) and screws (5). Tighten screws (5) to 15 lb-ft (20 N•m).
9. Install two bushings (22) four mounts (21) and snubber plates (12) on windshield support mounts (23) and roof mounting plates (11) with two washers (15), studs (16), and locknuts (17). Tighten locknuts (17) to 37 lb-ft (50 N•m).
10. Tighten two locknuts (13) to 26 lb-ft (35 N•m).
11. Place shims (20) between rear windshield mounting brackets (18) and windshield (14) as required to fill gap.
12. Install two rear windshield mounting brackets (18) on windshield (14) with six capscrews (19). Tighten capscrews (19) to 15 lb-ft (20 N•m).



25-6.1. WINDSHIELD MAINTENANCE (M1151) (Cont'd)

- FOLLOW-ON TASKS:
- Install wiper arms (para. 10-62).
 - Install left defroster nozzle (para. 10-83).
 - Install right defroster nozzle (para. 10-84).

25-7.1. CARGO SHELL MAINTENANCE (M1151)

This task covers:

a. Removal

b. Installation

INITIAL SETUP:

Applicable Models

M1151

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Eight locknuts (Appendix G, Item 106)
Nine locknuts (Appendix G, Item 109)
Four locknuts (Appendix G, Item 87)
Seven blind rivets (Appendix G, Item 271.4)
Assembled locknut (Appendix G, Item 194)
Grease (Appendix C, Item 34)
Adhesive tape (Appendix C, Item 80)

Personnel Required

One mechanic
One assistant

Manual References

TM 9-2320-387-24P

Equipment Condition

- Cargo shell door removed (para. 11-14).
- Front and rear strikers removed (para. 11-25 and para. 11-26).
- Antenna removed (para. 12-24), if present.
- Dovetail spring removed (para. 11-28).

Maintenance Level

Direct support

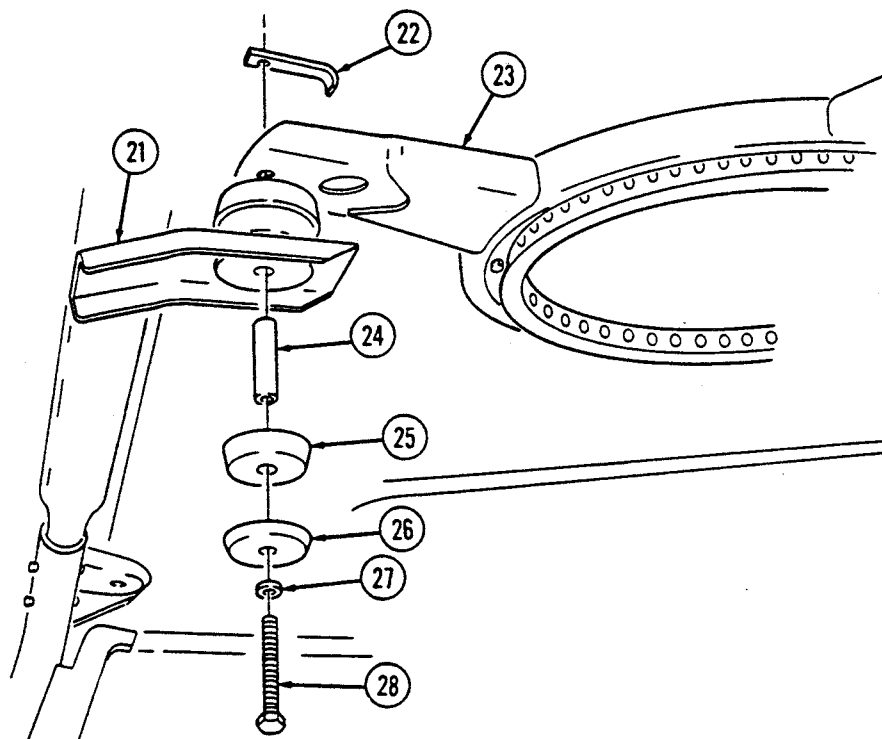
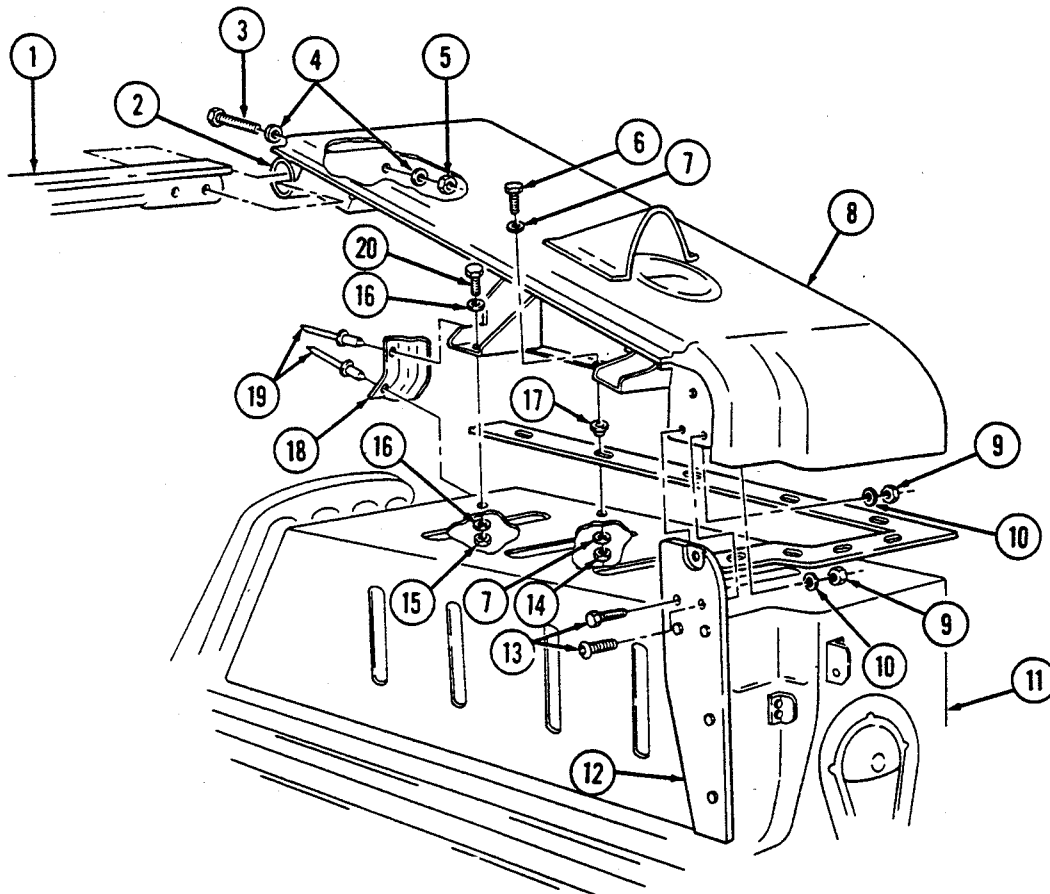
NOTE

- The procedures for removing and installing the right cargo shell and left cargo shell are basically the same. This procedure covers the right cargo shell.
- For instructions on replacement of rivets, refer to para. 33-7.

a. Removal

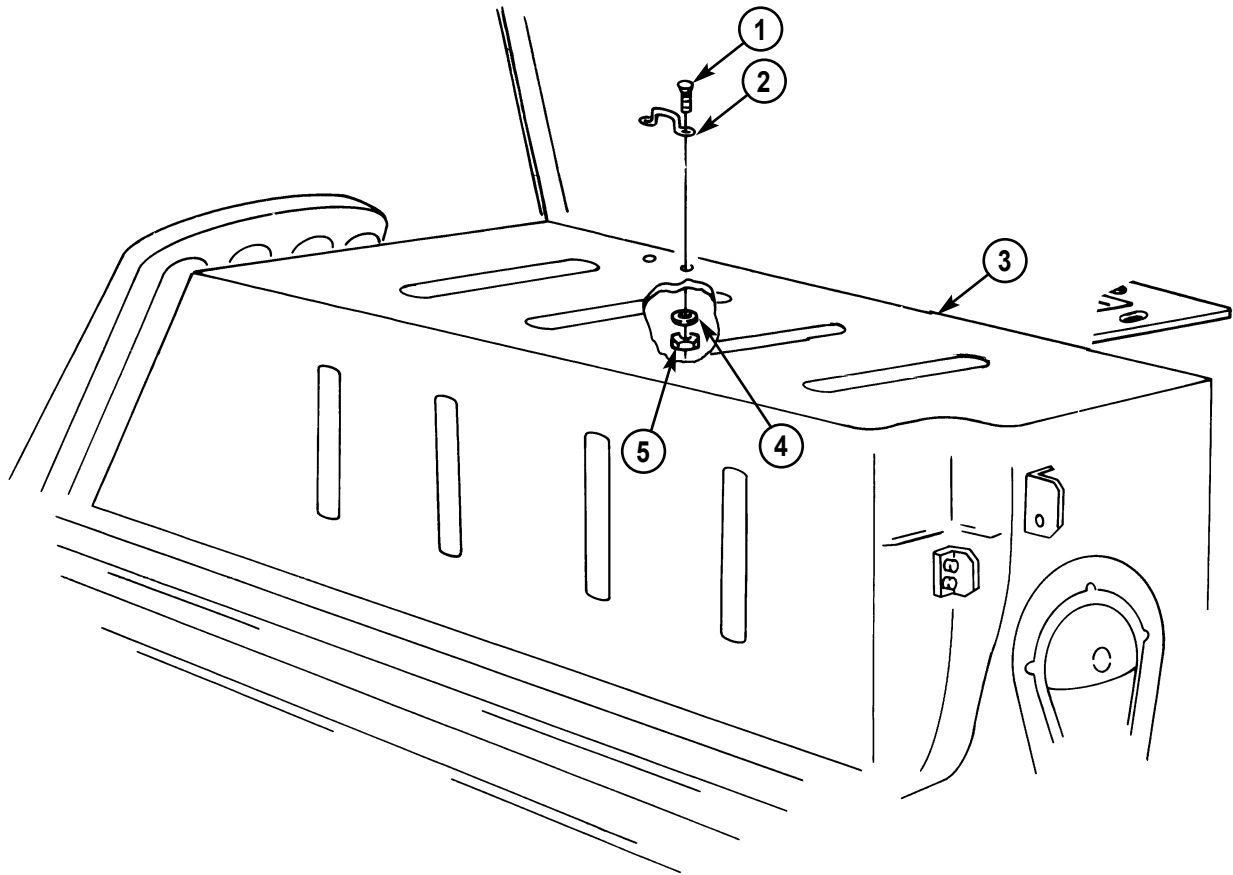
1. Remove seven rivets (19) and panel (18) from cargo shell (8) and wheelhouse (11).
2. Remove two locknuts (9), washers (10), and screws (13) from cargo shell (8) and striker mounting plate (12). Discard locknuts (9).
3. Remove nine locknuts (14), washers (7), capscrews (6), washers (7), and spacers (17) from cargo shell (8) and wheelhouse (11). Discard locknuts (14).
4. Remove two locknuts (15), washers (16), capscrews (20), and washers (16) from cargo shell support tube (2) and wheelhouse (11). Discard locknuts (15).
5. Remove two locknuts (5), washers (4), capscrews (3), and washers (4) from cargo shell support tube (2) and C-pillar (1). Discard locknuts (5).
6. Remove capscrew (28), washer (27), snubber (26), mount (25), bushing (24), and plate (22) from rear ring support (23) and C-pillar support bracket (21).

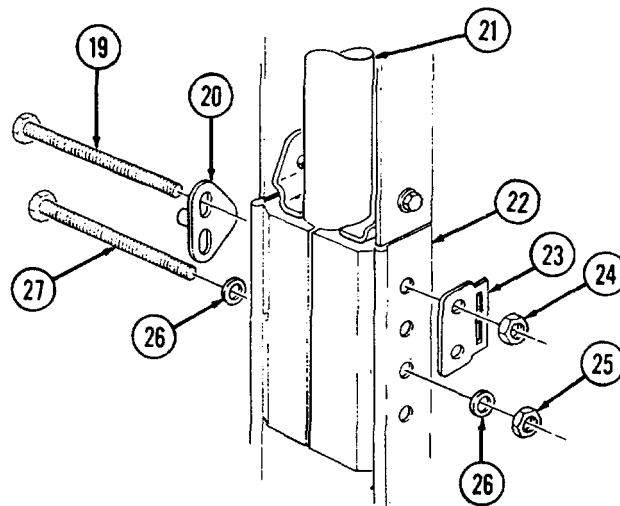
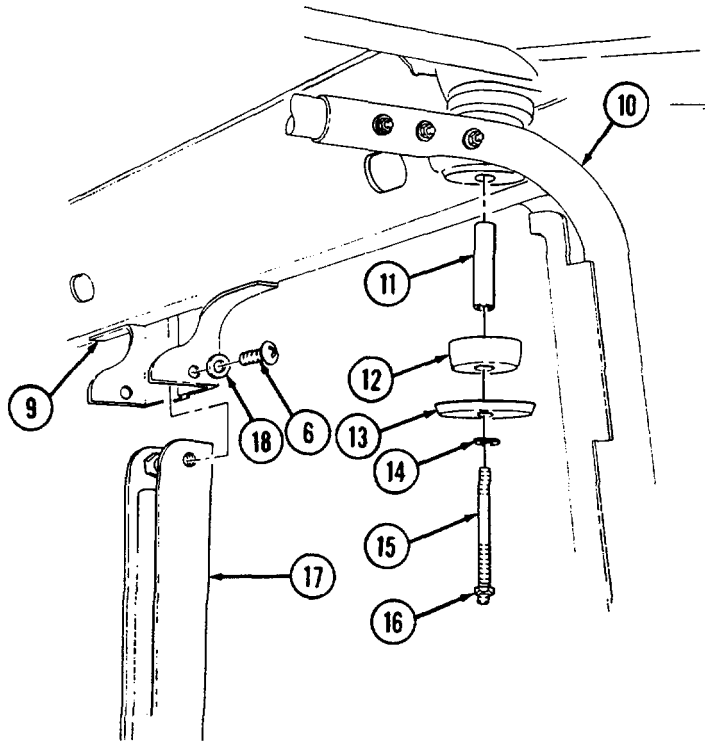
25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)



25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)

7. Remove two nuts (5), washers (4), screws (1), and footman loop (2) from wheelhouse (3).
8. Remove two locknuts (16), studs (15), washers (14), snubber plates (13), mounts (12), and bushings (11) from support tubes (10) to roof (9). Discard locknuts (16).
9. Remove four screws (6), washers (18), and roof (9) from B-pillar covers (17).
10. Remove two locknuts (25), washers (26), capscrews (27), washers (26), and support tube (21) from right B-pillar (22). Discard locknuts (25).
11. Remove two locknuts (24), capscrews (19), striker plate (20), and strap bracket (23) from right B-pillar (22). Discard locknuts (24).



25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)

25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)

12. Remove mount (4), snubber (3), and shim(s) (2) if present, from between rear ring support (1) and C-pillar support bracket (5).
13. Remove two mounts (11) and snubbers (10) from between right and left rear roof mounts (7) and cargo shell support tubes (12).

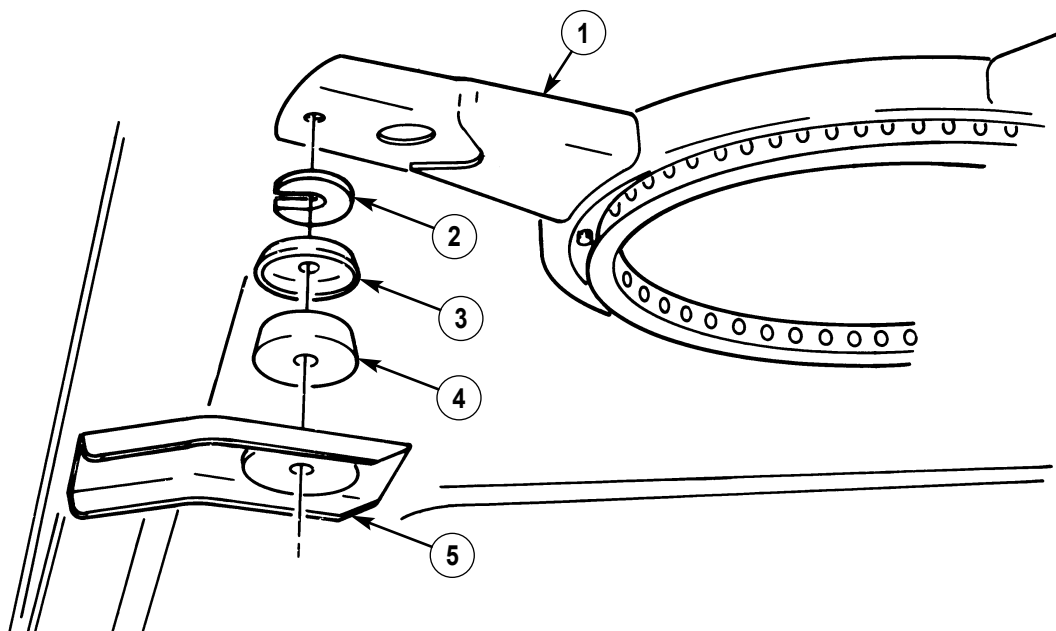
CAUTION

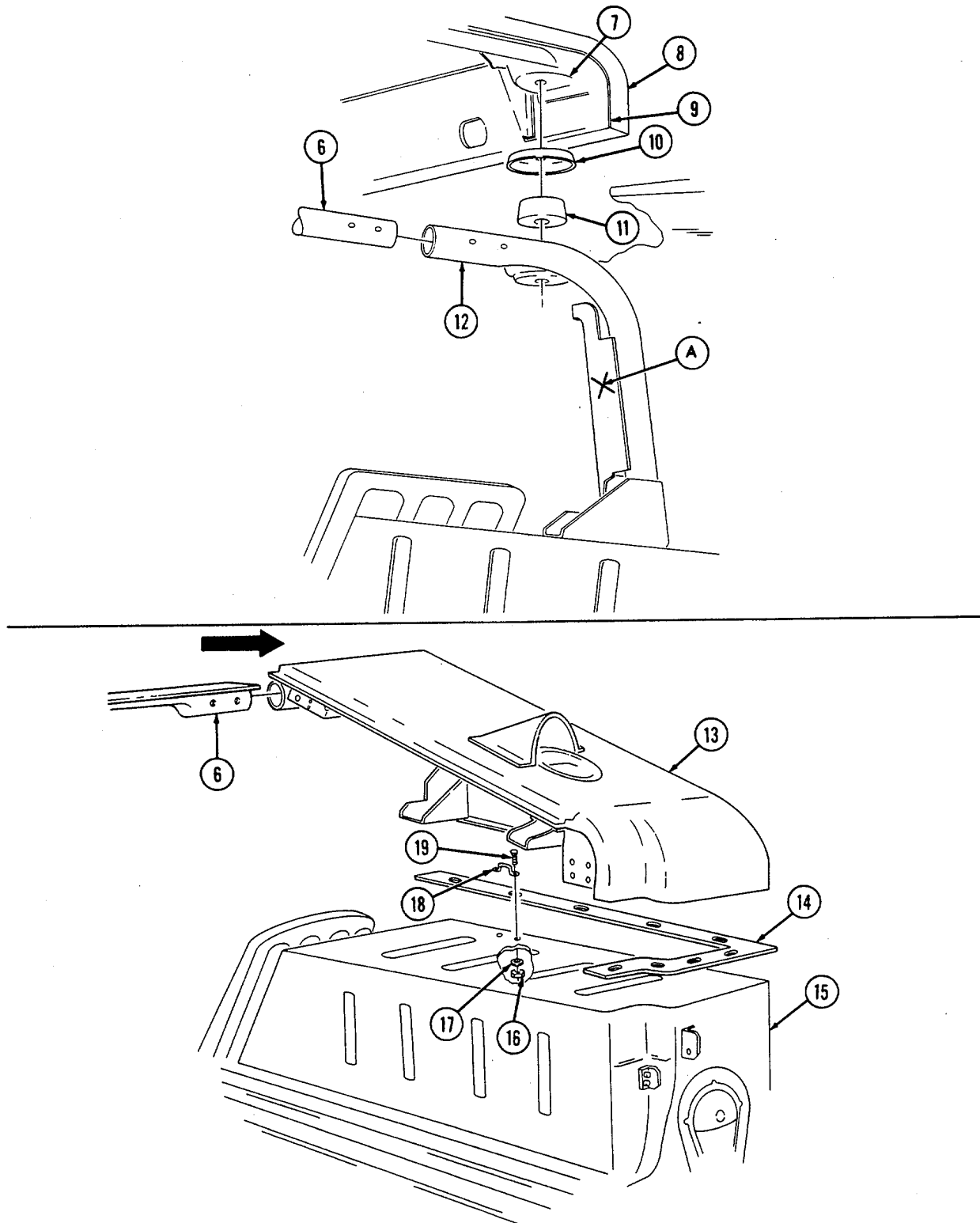
Do not lift cargo shell further than limits specified in step 15.
Raising cargo shell too far may cause damage to C-pillar.

14. Lift roof (8) far enough to allow cargo shell (13) to clear lip (9).
15. Raise cargo shell (13) approximately 1 in. (2.5 cm) and rap cargo shell support tube (12) at point "A" with a mallet to loosen cargo shell (13), taking care not to bend C-pillar (6). Remove cargo shell (13).
16. Remove cargo shell seal (14) and inspect for damage. Replace if damaged.
17. Remove adhesive tape from cargo shell (13). Discard tape.

b. Installation

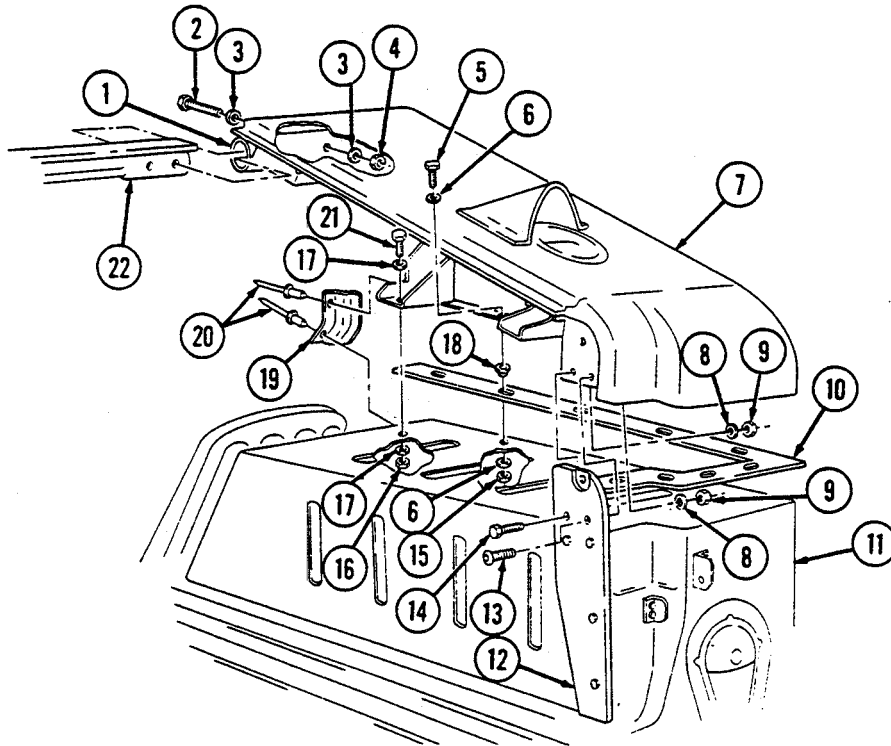
1. Apply adhesive tape to cargo shell (13) and wheelhouse (15) mounting surface.
2. Coat inside surface of support tube (12) that makes contact with outside surface of C-pillar (6) with grease.
3. Raise and support roof (8).
4. Lift rear of cargo shell (13) slightly while installing cargo shell support tube (12) over C-pillar (6).
5. Align cargo shell seal (14) between cargo shell (13) and wheelhouse (15).
6. When cargo shell support tube (12) is installed over C-pillar (6) and cargo shell (13) is aligned with wheelhouse (15) lower cargo shell (13) ensuring cargo shell (13) is inside of lip (9) at roof (8).
7. Install snubber (3), mount (4), and shim(s) (2) if removed, between rear ring support (1) and C-pillar support bracket (5).
8. Install two snubbers (10) and mounts (11) between right and left rear roof mounts (7) and cargo shell support tube (12).
9. Install footman loop (18) to wheelhouse (15) with two screws (19), washers (17), and nuts (16).



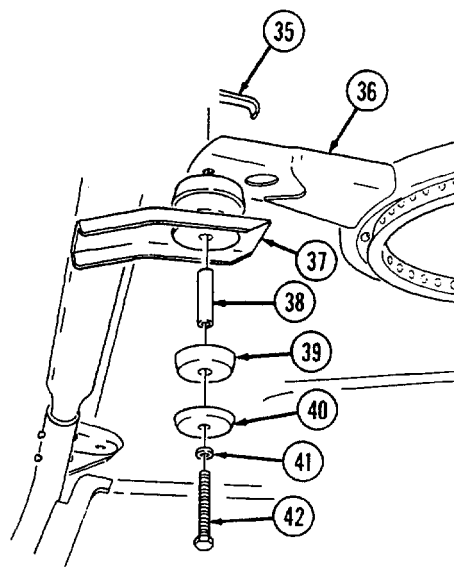
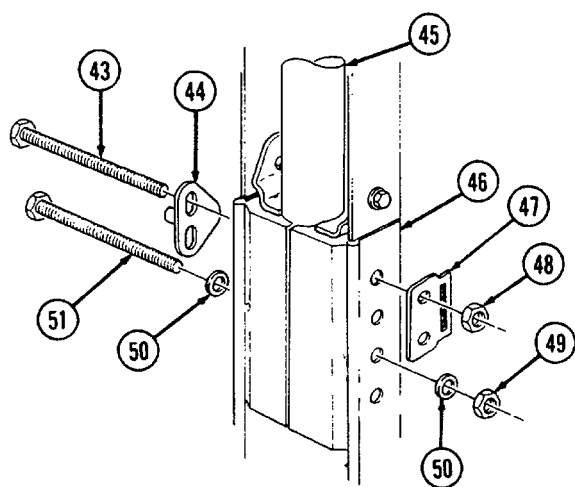
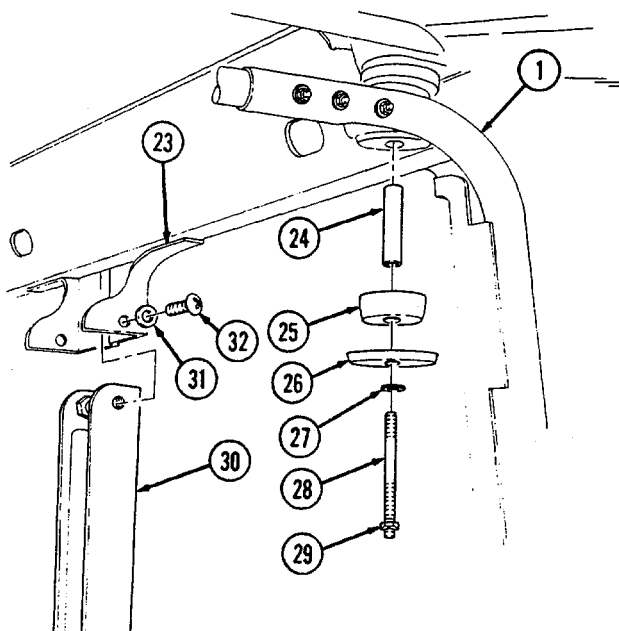
25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)

25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)

10. Install support tube (1) to C-pillar (22) with two washers (3), capscrews (2), washers (3), and locknuts (4).
11. Install cargo shell support tube (1) to wheelhouse (11) with two washers (17), capscrews (21), washers (17), and locknuts (16).
12. Install seal (10) and cargo shell (7) to wheelhouse (11) with nine washers (6), capscrews (5), spacers (18), washers (6), and locknuts (15). Tighten locknuts (15) to 85-110 lb-in. (10-12 N·m).
13. Install support tube (45) to right B-pillar (46) with two washers (50), capscrews (51), washers (50), and locknuts (49).
14. Install striker plate (44) and strap bracket (47) to right B-pillar (46) with two capscrews (43) and locknuts (48). Tighten locknuts (48) and (49) to 21 lb-ft (29 N·m).
15. Install roof (23) to B-pillar cover (30) with four washers (31) and screws (32). Tighten screws (32) to 15 lb-ft (20 N·m).
16. Install rear ring support (36) to C-pillar support bracket (37) with plate (35), bushing (38), mount (39), snubber (40), washer (41), and capscrew (42). Tighten capscrew (42) to 37 lb-ft (50 N·m).
17. Install roof (23) to cargo shell support tube (1) with two bushings (24), mounts (25), snubbers (26), washers (27), studs (28), and locknuts (29). Tighten locknuts (29) to 37 lb-ft (50 N·m).
18. Install striker mounting plate (12) on cargo shell (7) with socket head screw (13), capscrew (14), two washers (8), and locknuts (9). Tighten locknuts (9) to 31 lb-ft (42 N·m).
19. Install panel (19) to cargo shell (7) with four rivets (20) and to wheelhouse (11) with three rivets (20).



25-7.1. CARGO SHELL MAINTENANCE (M1151) (Cont'd)



- FOLLOW-ON TASKS:
- Install dovetail spring (para. 11-28).
 - Install antenna (para. 12-24), if present.
 - Install front and rear strikers (para. 11-25 and para. 11-26).
 - Install cargo shell door (para. 11-14).

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CHAPTER 26

SPECIAL PURPOSE KITS (DS) MAINTENANCE

Refer to TM 9-2320-387-24-2, Chapter 26, for Special Purpose Kits (DS) Maintenance.

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CHAPTER 27

ELECTRICAL SYSTEM ENGINE (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 27, for Electrical System Engine (GS) Repair.

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CHAPTER 28

TRANSMISSION (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 28, for Transmission (GS) Repair.

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CHAPTER 29

TRANSFER CASE (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 29, for Transfer Case (GS) Repair.

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CHAPTER 30

DIFFERENTIAL (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 30, for Differential (GS) Repair.

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CHAPTER 31

STEERING SYSTEM (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 31, for Steering System (GS) Repair.

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CHAPTER 32

FRAME (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 32, for Frame (GS) Repair.

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CHAPTER 33

BODY (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 33, for Body (GS) Repair.

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CHAPTER 34

SUSPENSION (GS) REPAIR

Refer to TM 9-2320-387-24-2, Chapter 34, for Suspension (GS) Repair.

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APPENDIX A
ADDITIONAL AUTHORIZATION LIST

Section I. INTRODUCTION

A-1. SCOPE

This appendix lists additional items authorized for support of M1113, M1114, M1151, and M1152 vehicles.

A-2. GENERAL

This list identifies items that do not have to accompany the vehicle and do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

A-3. EXPLANATION OF LISTING

National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you require to support this vehicle. The items are listed in alphabetical sequence by item name. If item required differs for different models of this equipment, the model is shown under the “Usable On Code” heading in the description column. These codes are identified as:

Code	Used On
(Blank)	All
XAA	M1113
XBB	M1114
TTT	M1151
UUU	M1152

Section II. ADDITIONAL AUTHORIZATION LIST

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION		(3)	(4)
	CAGEC AND PART NUMBER	USABLE ON CODE	U/I	QTY AUTH
6665-00-935-6955	ALARM: chemical agent, M8 (81361) C5-15-8803		EA	1
2540-00-670-2459	BAG: pamphlet, cotton duck, 3 in. x 9-1/4 in. x 11-1/4 in. (19207) 11676920		EA	1
2510-01-276-9249	BAR: suspension tiedown [in jack and tools bag in footwell area] (34623) 5598373	XAA, UUU	EA	2
2540-00-678-3469	BLOCK: chock (96906) MS52127-3		EA	2
3940-00-151-6769	BLOCK: tackle (19207) 11676932		EA	1
2510-01-050-9770	BRACKET: support, decontaminating apparatus (19207) 11644841		EA	1
2540-01-276-9250	BRACKET: suspension tiedown [in tool bag behind driver's door] (34623) 5598408	UUU	EA	2
2590-00-273-6331	BRACKET: water can (96906) MS53052-1	TTT UUU	EA	2
2590-01-222-7946	CABLE, NATO SLAVE: intervehicular power cable, 12 ft long (19207) 11682379-4		AY	1
7240-00-089-3827	CAN: water, military, plastic, 5 gal. (81349) MIL-C-43613		EA	1
2540-01-214-1264	CHAIN: tire, 9/32 side x 1/4 cross link (34623) 5569255		SET	2
4010-00-443-4845	CHAIN: tow, 9/32 side x 12 ft long (19207) 10944642-2		EA	1
4230-01-133-4124	DECONTAMINATING APPARATUS: M-13 (81361) E5-51-527		EA	1

Section II. ADDITIONAL AUTHORIZATION LIST (Cont'd)

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION		(3)	(4)
	CAGEC AND PART NUMBER	USABLE ON CODE	U/I	QTY AUTH
4230-00-720-1618	DECONTAMINATION APPARATUS: portable, DS-2, 1-1/2 UT, ABC-M11 w/bracket (81361) D5-51-269	TTT UUU	EA	1
6230-00-163-1856	FLASHLIGHT: 2 x 3-1/2, GFST x 8 in. (82214) 1259		EA	1
4910-00-204-3170	GAUGE: tire pressure (19207) 7081758		EA	1
5120-00-198-5390	KEY, MACHINE: differential fillplug (58536) A-A-2473		EA	1
5315-00-732-1019	KEY, MACHINE: geared hub oil drainplug, straight bar key, 1/2 in. square, 2-1/2 in. long (96906) MS20066-543		EA	1
5340-00-158-3805	PADLOCK SET: (96906) MS35647-10		EA	1
5820-00-223-7473	RADIO SET: 9 x 14 x 16 in. (80058) AN/GRC-160		EA	1
5120-00-222-8852	SCREWDRIVER: flat tip, flared sides, plastic handle, round blade, 1/4 in. wide tip (80063) SCC539502-2		EA	1
7240-00-177-6154	SPOUT: can, gas, flexible with filter screen, 16 in. long (19207) 11677020		EA	1
2510-01-197-8572	TRAY: water can (19207) 12340155	XBB	EA	1
2610-01-333-7632	TIRE: radial, 37 x 12.50R16.5LT (34623) 5935336		EA	1
9905-00-148-9546	TRIANGLES: folding, reflective (81348) RR-W-1817		SET	1
1005-00-322-9716	TRIPOD MOUNT: w/cover, M3, mach. gun (19204) 8403398	TTT	EA	1

Section II. ADDITIONAL AUTHORIZATION LIST (Cont'd)

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION CAGEC AND PART NUMBER USABLE ON CODE	(3) U/I	(4) QTY AUTH
5340-01-277-2460	TURNBUCKLE ASSY: suspension tiedown (34623) 5598406	XAA UUU	EA 2
N/A	WHEEL AND RUNFLAT, RADIAL: (19207) 12460176	EA	1
5120-01-279-4788	WRENCH: open end, 1-1/8 x 18 in. long (34623) 5598407	XAA UUU	EA 1

APPENDIX B COMPONENTS OF END ITEM (COEI) AND BASIC ISSUE ITEMS (BII) LISTS

Section I. INTRODUCTION

B-1. SCOPE

This appendix lists components of the end item and basic issue items for the M1113/M1114/M1151/M1152 vehicles to help you inventory items required for safe and efficient operation of the equipment.

B-2. GENERAL

The Components of End Item (COEI) and Basic Issue Items (BII) lists are divided into the following sections:

a. Section II. Components of End Item (COEI). These items are installed in the vehicle at time of manufacture or rebuild. (None authorized for M1113/M1114 vehicles).

b. Section III. Basic Issue Items (BII). These essential items are required to place M1113/M1114/M1151/M1152 vehicles in operation, to operate them, and to perform emergency repairs. Although shipped separately packaged, BII must be with the vehicle during operation and whenever it is transferred between property accounts. This list is your authority to request/requisition replacement BII, based on TOE/MTOE authorization of the end item. The illustrations will assist you with hard-to-identify items.

B-3. EXPLANATION OF COLUMNS

The following provides an explanation of columns found in the tabular listings:

a. Column (1) - Illustration Number (Illus Number). This column indicates the number of the illustration in which the item is shown.

b. Column (2) - National Stock Number. Indicates the National Stock Number assigned to the item and will be used for requisitioning purposes.

c. Column (3) - Description. Indicates the Federal item name and, if required, a minimum description to identify the item. The last line for each item indicates the Commercial and Government Entity Code (CAGEC) in parentheses followed by the part number.

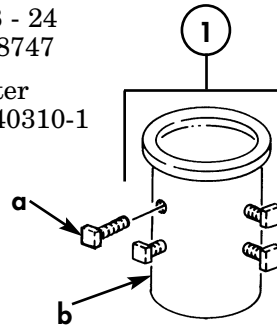
d. Column (4) - Unit of Issue (U/I). Indicates how the item is issued for the National Stock Number shown in column two. This unit is expressed by a two-character alphabetical abbreviation; i.e., (ea, pr).

e. Column (5) - Quantity Required (Qty rqr). Indicates the quantity of the item authorized to be used with/on the vehicle.

Section II. COMPONENTS OF END ITEM

These items are installed in the vehicle at the time of manufacture or rebuild.

(1) Illus Number	(2) National Stock Number	(3) Description FSCM and Part Number	Usable On Code	(4) U/I	(5) Qty rqr
1	3120-01-188-5082	BEARING, SLEEVE: Pintle Adapter (located in the armament mounting assembly) (19207) 12340310	XBB TTT	EA	1
	5305-01-204-4190	a. Setscrew 3/8 - 24 (7X677) 9428747		EA	4
	N/A	b. Pintle Adapter (19207) 12340310-1		EA	1



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Section III. MAINTENANCE ALLOCATION CHART (Cont'd)

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Unit		Direct Support	General Support	Depot		
			C	O	F	H	D		
1801	Body	Inspect Service Replace Repair	0.1	1.0		F F		1 1,6 1,2,5,123, 124	F F
	Hood	Inspect Replace Repair	0.1	1.3		F		1,2 1,5,6	F
	Cover, Engine Access	Inspect Replace Repair	0.1	0.1	F			1 1,5,123	F
	Doors, Rear	Inspect Replace Repair	0.1	0.2	F			1 1,5,139	F
	Door, Rear, Fixed	Inspect Replace Repair	0.1	0.2	F			1 1,5,123	F
	Door Assembly, Armor	Inspect Replace	0.1	1.0				1,2	
	Door Handle and Latch, Armor	Inspect Replace	0.1	0.8				1	
	Door Window, Armor	Inspect Service Replace	0.1 0.2	0.2 1.5				1	
	Footwell, Armor	Inspect Replace	0.1	0.6				1	
	B-Beam Armor	Replace		0.5				1,2,123	
	Rear Partition Assembly	Inspect Replace	0.1		2.0			1,6	
	Firewall Armor	Inspect Replace	0.1	0.5				1 1,2	
	Side Armor	Inspect Replace	0.1	2.0				1	
	Underbody Armor	Inspect Replace	0.1		F			1,2	F
	Turret Hatch Door	Inspect Replace	0.1	0.2				1,2	
	Turret Pintle Mount	Replace		1.0				1,2	
	Turret Assembly	Inspect Replace	0.1	1.5				1,2	
	Turret Frame	Replace		1.0				1,6	
	Door, Cargo Shell	Inspect Adjust	0.1	0.3				2	

Section III. MAINTENANCE ALLOCATION CHART (Cont'd)

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Unit		Direct Support	General Support	Depot		
			C	O	F	H	D		
1802	Gunner's Platform	Replace Repair		1.0 F				1,6 1,6	F
		Inspect Replace	0.1	0.5				1,2	
	Tailgate	Inspect Replace Repair	0.1	0.4	1.0			1 1,5,123	
		Inspect Replace Repair	0.1	2.0	F			1 1,5,6,123	F
	Windshield Assembly, Folding	Inspect Replace Repair	0.1		2.0 F			1,6 1,5,139	F
	Windshield Assembly, Fixed	Inspect Replace Repair	0.1		2.0 F			1,6 1,5,123	F
	Windshield Assembly, Armor	Inspect Replace Repair	0.1		2.0 F			1,6 1,5,123	F
	Windshield Glass, Armor	Inspect Replace	0.1	1.0				1,2	
	Windshield Glass	Inspect Replace	0.1	1.0					
	Seats	Inspect Replace Repair	0.1	1.0 1.0				1,2 1,2	
1806	Seatbelts	Inspect Replace	0.1	0.8				1,2	
		Inspect Replace Repair	0.1	1.0 1.0				1,2 1,2	
1808	Stowage Racks, Boxes, and Straps	Inspect Replace Repair	0.1	F F				1,2 1,2	F F
		Inspect Replace Repair	0.1	0.4	1.0			1,2 1,5,139	
1812	Armanent Carrier Doors, Crew	Inspect Adjust Replace Repair	0.1	0.3 0.2	F			1,2 1 1,5,139	
		Inspect Adjust Replace Repair	0.1	0.3 2.5 F				1,2 1,2 1,2,139	F
	Door, Cargo Shell	Inspect Replace	0.1	1.0				1	
	Glass, Door	Inspect Replace	0.1	1.5				1,6	
	Weapon Station	Inspect Replace	0.1						

Section III. MAINTENANCE ALLOCATION CHART (Cont'd)

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Unit		Direct Support	General Support	Depot		
			C	O	F	H	D		
20 2001	Gunners Platform	Inspect Replace	0.1	0.5				1	
	S250 Shelter Carrier Support, Shelter	Inspect Replace	0.1	2.0				1,2	
	Sling, Tiedown	Inspect Replace	0.1	0.3				1	
	WINCH								
	Front Winch Assembly	Service Replace Repair		0.2 0.6	4.0			1,2 1,2	
	Rear Winch Assembly	Service Replace Repair		0.2 1.5	4.0			1,2 1,2	
	Cable, Winch	Inspect Service Replace	0.5	0.5 0.4				1 1	
	Control Assembly, Winch	Inspect Replace	0.1	0.1				1,2	
	BODY ACCESSORY ITEMS								
	2201 Bows	Inspect Service Replace Repair	0.5	0.1 1.0 0.5				1 1	
22	Cover, 4-Door Cab	Inspect Service Replace Repair	0.5	0.1 1.5	F			1 1,7	F
	Cover, 2-Door Cargo	Inspect Service Replace Repair	0.5	0.1 1.0	F			1 1,7	F
	Cover, 4-Door Cargo	Inspect Service Replace Repair	0.5	0.1 1.0	F			1 1,7	F
	Cover, Rear Door	Inspect Service Replace Repair	0.1 0.1	0.2	F			1 1,7	F
	Curtain, Body Cover	Inspect Service Replace	0.5	0.1 1.0				1	

Section III. MAINTENANCE ALLOCATION CHART (Cont'd)

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Unit		Direct Support	General Support	Depot		
			C	O	F	H	D		
2202	Cover, 2-Door Cab	Repair			F			1,7	F
		Inspect	0.1						
		Service	0.5						
	Door, Front	Replace		0.5				1	
		Repair			F			1,7	F
		Inspect	0.1						
	Motor, Windshield Wiper	Service	0.1						
		Adjust		0.4				1,2	
		Replace		0.2				1	
	Arm Assembly, Wiper	Repair			F			1	F
		Test		0.3				2	
		Replace		0.5				1	
	Linkage, Wiper	Inspect	0.1						
		Replace		0.2				1	
		Replace		0.5				1,2	
	Motor and Reservoir Assembly, Washer	Test		0.2				2	
		Service		0.2				1	
		Replace		0.1				1,2	
	Nozzle, Washer	Replace		0.5				1	
		Inspect	0.1						
		Adjust	0.1						
	Mirror, Rearview	Replace		0.2				1,2	
		Replace		0.2				1	
		Replace		1.0				1	
2210	Data Plates	Replace		1.0				1	
		Replace		1.4				1,2	
		Replace		0.5				1,123	
		Replace		0.5				1,123	
33	SPECIAL PURPOSE KITS								
3303	Engine/Crew Compartment Heater Kit	Install			8.0			1,6, 123-126	
	Pump and Lines, Fuel	Inspect	0.1	0.2					
		Replace		1.0				1	
	Pump, Circulating	Replace		0.5				1	
	Harness, Wiring	Replace		0.2				1	
	Inlet Pipe	Replace		0.2				1	
	Circuit Breaker	Replace		0.5				1	
	Heater	Inspect	0.1						
		Replace		0.2				1	
	Control Assembly, Heater	Replace		0.5				1	

Section III. MAINTENANCE ALLOCATION CHART (Cont'd)

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Equipment Ref Code	(6) Remarks Code
			Unit		Direct Support	General Support	Depot		
			C	O	F	H	D		
3305	Arctic 2-Man Crew Top Kit	Install			2.0			123	
	Arctic Cover, 2-Door Cab	Inspect	0.1						
		Replace		0.5				1	
		Repair			F			1,7	F
3307	Deep Water Fording Kit	Install		4.0				1,2	
	Snorkel, Intake and Exhaust	Inspect	0.2	0.2					
		Install	2.0					1,2	
		Replace		1.5				1,2	
3307	Venting	Inspect	0.1	0.1					
		Replace		1.0				1,2	
	Communications Kit	Install		3.0				1,2	
		Replace		F				1,2	F
47	S250 Shelter Carrier								
	Troop Seat Kit	Inspect	0.1						
		Install		2.0				1,2	
		Replace		0.8				2	
4701		Repair		1.0				4	
	Support, Shelter	Inspect	0.1						
		Replace		2.0				1,2	
	Sling, Tiedown	Inspect	0.1						
4702		Replace		0.3				1	
	GAUGES (NON-ELECTRICAL)								
	Speedometer	Replace		0.2				1,2	
	Cable and Housing	Replace		0.5				1	
52	Gauge, Air Restriction	Inspect	0.1						
		Replace		0.1				1	
	AIR CONDITIONER								
	Compressor, A/C	Replace			1.5			1	
5203	Air Conditioner System	Inspect	0.1						
		Test	0.3						
		Service			1.6			1,128-132	
	Cover, Access Hole	Inspect		0.1					
5217		Replace			0.5			1,6	
	Covers, Lines	Inspect		0.1					
		Replace			0.5			1,6	
	Receiver Dryer	Replace			0.3			1,6	
5217	A/C Lines and Fittings	Inspect		0.1					
		Replace			1.5			1,6	
5217	Harness and Cable	Replace			0.5			1,6	

APPENDIX C

EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

SECTION I. INTRODUCTION

C-1. SCOPE

This appendix lists expendable/durable supplies and materials you will need to maintain the ECV series vehicles. These items are authorized by CTA 50-970, Expendable Items (Except Medical, Class V, Repair Parts, and Heraldic Items).

C-2. EXPLANATION OF COLUMNS

a. Column (1) – Item Number. This number is assigned to each entry in the listing and is referenced in Initial Setup of applicable tasks under the heading of Materials/Parts.

b. Column (2) – Level. This column identifies the lowest level of maintenance that requires the listed item.

C — Operator/Crew

O — Unit maintenance

F — Direct support maintenance

H — General support maintenance

c. Column (3) – National Stock Number. This is the national stock number assigned to the item; use it to request or requisition the item.

d. Column (4) – Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item listing indicates the Commercial and Government Entity Code (CAGEC) in parentheses followed by the part number.

e. Column (5) – Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by an alphabetical abbreviation (QT, GAL.). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

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Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST (Cont'd)

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
46	O		LUBRICATING OIL: general purpose, corrosion resistant and oxidation resistant (92895) PQRUSTPREVENTIVENO172	
		9150-00-185-0629	2 Ounce Can	OZ
		9150-00-273-2389	4 Ounce Can	OZ
47	C		LUBRICATING OIL: internal combustion engine, tactical service, OE/HDO 15/40 (81349) MIL-L-2104	
		9150-01-152-4117	1 Quart Can	QT
		9150-01-152-4118	5 Gallon Drum	GAL.
		9150-01-152-4119	55 Gallon Drum	GAL.
48	F		LUBRICATING OIL: refrigerant, compressor (2R128) ICEMATIC SW-68	
		9150-01-410-8972	1 Quart Can	QT
49	H		LUBRICANT: oil seal (87460) 22204	
		N/A	8 Ounce Bottle	OZ
50	F		METAL STRIP: hot-rolled finish (81346) ASTM A569	
		9515-00-204-3988	10 Ft Roll	FT
51	F		NITROGEN: (81348) BB-N-411	
		6830-01-124-3351	Cylinder	N/A
52	H		PETROLATUM: technical (81348) VV-P-236	
		9150-00-250-0926	1-3/4 Pound Can	LB
		9150-00-250-0933	7-1/2 Pound Can	LB
53	H		PIGMENT, PAINT PRODUCTS: ultramarine, blue (96906)	
		8010-00-060-6020	1/2 Pint Can	PT
54	F		PRIMER: Weld-through (81349) MIL-P-46105	
		8010-01-296-7851	1 Gallon Container	GAL.
54.1	C		PRIMER, ADHESIVE: spray (81349) MIL-A-46050 C	
		8010-01-826-3535	15 Ounce Can	OZ

Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST (Cont'd)

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
55	C		RAG: wiping, cotton and cotton-synthetic (58536) A-A-531	
		7920-00-205-1711	50 Pound Bale	LB
56	F		REFRIGERANT R-134a (25827) HFC-134A	
		6830-01-370-6207	43 Pound Cylinder	LB
57	O		REPAIR KIT, Glass Reinforcement Plastic Laminate (81349) MIL-R-19907D	
		2090-00-372-6064	1 Kit	KT
58	O		SEALING COMPOUND: anaerobic gasket (05972) 51831	
		8030-01-374-3504	50 Milliliter Tube	ML
		8030-01-374-2338	300 Milliliter Cartridge	ML
59	O		SEALING COMPOUND: adhesive, elastomeric (00333) M6325-11OZ	
		8030-01-347-0964	11 Ounce Cartridge	OZ
60	O		SEALING COMPOUND: anaerobic, adhesive/sealant (05972) 272-40	
		8030-01-171-7628	50 CC Bottle	CC
60.1	O		SEALING COMPOUND: canvas (81349) MIL-A-46106	
		8040-01-010-8758	1 Quart	QT
61	O		SEALING COMPOUND: corrosion-resistant (81349) MIL-S-81733, type II	
		8030-00-009-5023	Kit	KT
62	O		SEALING COMPOUND: pipe, anaerobic, with Teflon (05972) 59231	
		8030-01-054-0740	50 Milliliter Tube	ML
63	O		SEALING COMPOUND: thread-locking, high-strength (80244) MIL-S-46163, type I, grade K	
		8030-00-148-9833	10 CC Bottle	CC
64	O		SEALING COMPOUND: thread-locking, medium-strength (80244) MIL-S-46163, type II, grade N	
		8030-01-025-1692	250 CC Bottle	CC

Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST (Cont'd)

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
65	F	8030-00-291-1787	SEALING COMPOUND: gasket, non-hardening (80244) MIL-S-45180, type II 1 Pint Can	PT
66	F	8030-00-111-2763	SEALING COMPOUND: thread-locking, penetrating, anaerobic (80244) MIL-S-46163, type III, Grade R 10 CC Bottle	CC
67	H	8030-01-268-5917	SEALING COMPOUND: high-temperature cylindrical part bonding (05972) 62040 50 CC Bottle	CC
68	O	8030-00-165-6547	SEALING COMPOUND: windshield (04963) EC1103 1 Quart Can	QT
69	F	8030-00-159-8177	SEALING COMPOUND: type II, synthetic rubber (81349) MIL-S-12158 1 Quart Can	QT
70	O	8030-01-328-0574	SEALING COMPOUND: synthetic rubber (71984) 737RTV 3 Ounce Package	OZ
71	O	8030-00-111-2762	SEALING COMPOUND: anaerobic/Loctite 290 (81349) MIL-S-46163 50 CC Bottle	CC
72	F	8030-01-392-3276	SEALING COMPOUND: (71961) 6099 1 Gallon Can	GAL.
72.1	O	8030-01-054-3968	SEALING COMPOUND: (80244) MIL-S-46163 TY2GRM 50 CC Bottle	CC
73	F	6850-01-137-8525	SILICONE COMPOUND: thermal insulating (71984) DC 340 2 Ounce Tube	OZ
		6850-00-927-9461	5 Ounce Package	OZ
74	O	6850-01-159-4844	SILICONE COMPOUND: RTV (11862) 1052734 10-1/2 Ounce Tube	OZ
75	O	6850-00-880-7616	SILICONE COMPOUND: dielectric colloid, non-melting, heat-stable, NATO code no. S-736 (81349) MIL-S-8660 8 Ounce Tube	OZ

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APPENDIX D

ILLUSTRATED LIST OF MANUFACTURED ITEMS

Section I. INTRODUCTION

D-1. SCOPE

This appendix includes complete instructions for making items authorized to be manufactured or fabricated at unit, direct support, and general support maintenance.

D-2. GENERAL

- a. A part number index in alphanumeric order is provided for cross-referencing the part number of the item to be manufactured to the figure which covers fabrication criteria.
- b. All bulk materials needed for manufacture of an item are listed by part number or specification number in a tabular list on the illustration.

Table D-1. Manufactured Items Part Number Index.

PART NO.	FIGURE NO.	PART NO.	FIGURE NO.	PART NO.	FIGURE NO.
M23053/4-303-0	D-1	5578876	D-36	5584373	D-34
M23053/4-303-2	D-1	5578877	D-36	5584383	D-14
M23053/4-304-2	D-2	5578878	D-36	5584707	D-20
RR-C-271-6	D-3	5578887	D-8	5584813	D-21
SF5575898	D-7	5578910	D-9	5584836	D-21
SF5585243	D-15	5578911	D-10	5584892	D-36
SF5585245	D-15	5578940	D-28	5584893	D-36
SF5585258	D-15	5578999	D-11	5588617-7.5	D-30
SF5589035	D-4	5579007	D-10	5588767	D-10
SF5589036	D-4	5579008	D-9	5589275	D-29
SF5589037	D-5	5579997	D-12	5590023	D-13
SF5590706	D-25	5581213	D-26	5590024	D-13
SF5591372	D-6	5581366	D-31	5590025	D-13
SF5591612	D-24	5582451	D-37	5591157	D-34
SF5592748	D-4	5582479	D-13	5591158	D-34
14066306	D-17	5582641	D-34	5591159	D-34
15847	D-35	5582642	D-34	5591161	D-34
15848	D-35	5582643	D-34	5591168	D-34
1775-826	D-16	5582645	D-34	5591180	D-14
23500024	D-10	5582646	D-34	5591210	D-33
23500084	D-18	5582648	D-14	5591253	D-34
5573534	D-32	5582649	D-14	5591482	D-34
5574986	D-20	5583183	D-13	5591483	D-34
5575468	D-23	5583855	D-14	5591681	D-14
5577552	D-32	5584173	D-34	5591707	D-34
5578874	D-36	5584188	D-27	5591937	D-13
5578875	D-36	5584372	D-14	5591938	D-13

Table D-1. Manufactured Items Part Number Index (Cont'd).

PART NO.	FIGURE NO.	PART NO.	FIGURE NO.	PART NO.	FIGURE NO.
5594083	D-33	5992390	D-61	QQS741	D-90
5594278	D-22	5992391	D-62	N/A	D-91
5595995	D-22	5992392	D-63	N/A	D-92
5598825	D-38	5992393	D-64	N/A	D-93
5598826	D-38	5992396	D-65	N/A	D-94
5598828	D-39	5992397	D-66	N/A	D-95
5598829	D-40	5992398	D-67	N/A	D-96
5598830	D-41	5992399	D-68	N/A	D-97
5598847	D-42	5992400	D-69	14066305	D-98
5740702	D-9	5992401	D-70	23500023	D-99
9439363	D-19	5992402	D-71	5598827	D-100
N/A	D-43	5992403	D-72	MT161A	D-101
N/A	D-44	5992404	D-73	15667	D-102
N/A	D-45	5992405	D-74	N/A	D-103
N/A	D-46	5992406	D-75	N/A	D-104
N/A	D-47	N/A	D-76	N/A	D-105
N/A	D-48	N/A	D-77	N/A	D-106
N/A	D-49	QQS634	D-78	N/A	D-107
N/A	D-50	QQ-A-200/18	D-79	N/A	D-108
N/A	D-51	QQ-A-200/18	D-80	N/A	D-109
N/A	D-52	N/A	D-81	N/A	D-110
N/A	D-53	N/A	D-82	N/A	D-111
N/A	D-54	N/A	D-83	N/A	D-112
N/A	D-55	QQS634	D-84	N/A	D-113
N/A	D-56	QQS634	D-85	N/A	D-114
N/A	D-57	QQS634	D-86	N/A	D-115
N/A	D-58	QQS630	D-87	N/A	D-116
N/A	D-59	QQS741	D-88	5598827	D-117
N/A	D-60	QQS741	D-89	8434398	D-118

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Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	SPECIFICATION
0.700 IN. THICK	ALUMINUM ALLOY	N/A

SHEET		
PART NO.	CUT LENGTH (INCHES)	MANUFACTURED FROM NSN
N/A	as shown	9530-00-226-0380

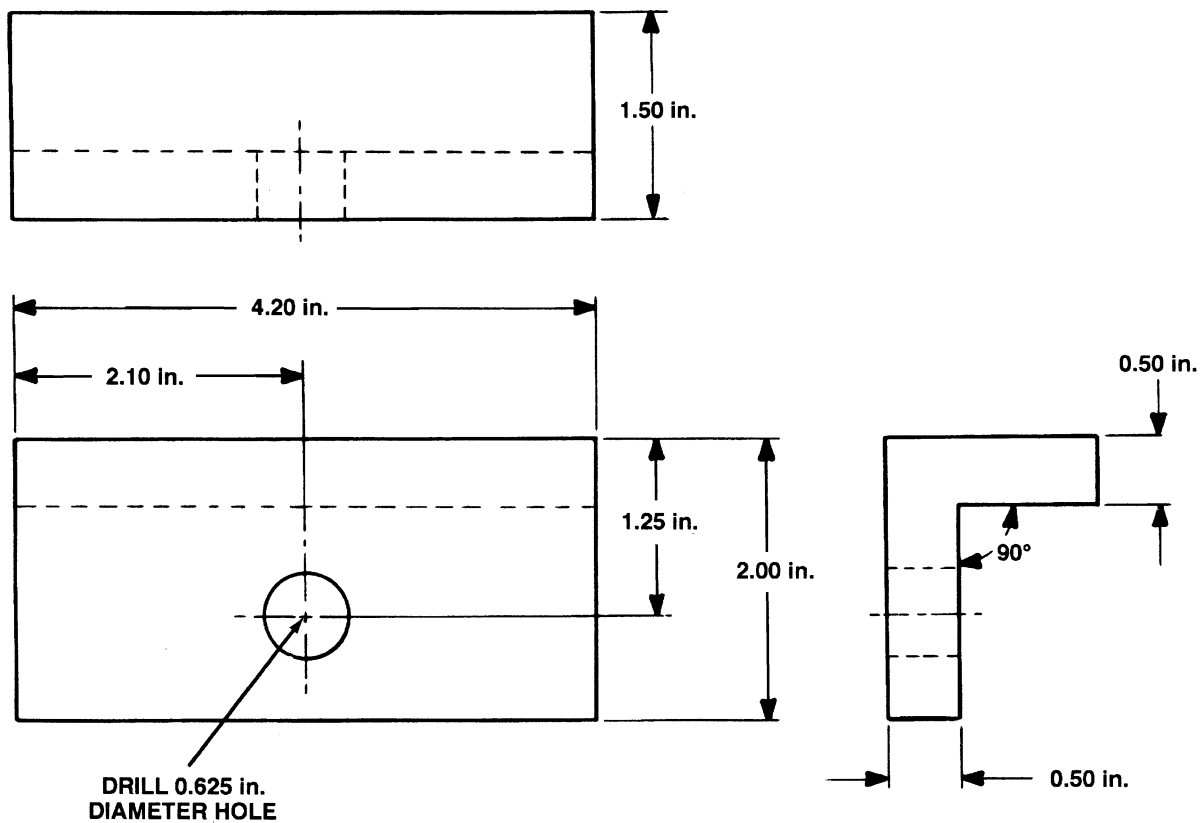


Figure D-112. Fixture Fabrication.

INSTRUCTIONS:

1. Fabricate fixture according to dimensions as shown.
2. Remove all burrs and sharp edges.

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	SPECIFICATION
N/A	BAR, METAL	ASTM A108

SHEET		
PART NO.	CUT LENGTH (INCHES)	MANUFACTURED FROM NSN
N/A	as shown	9510-00-229-4822

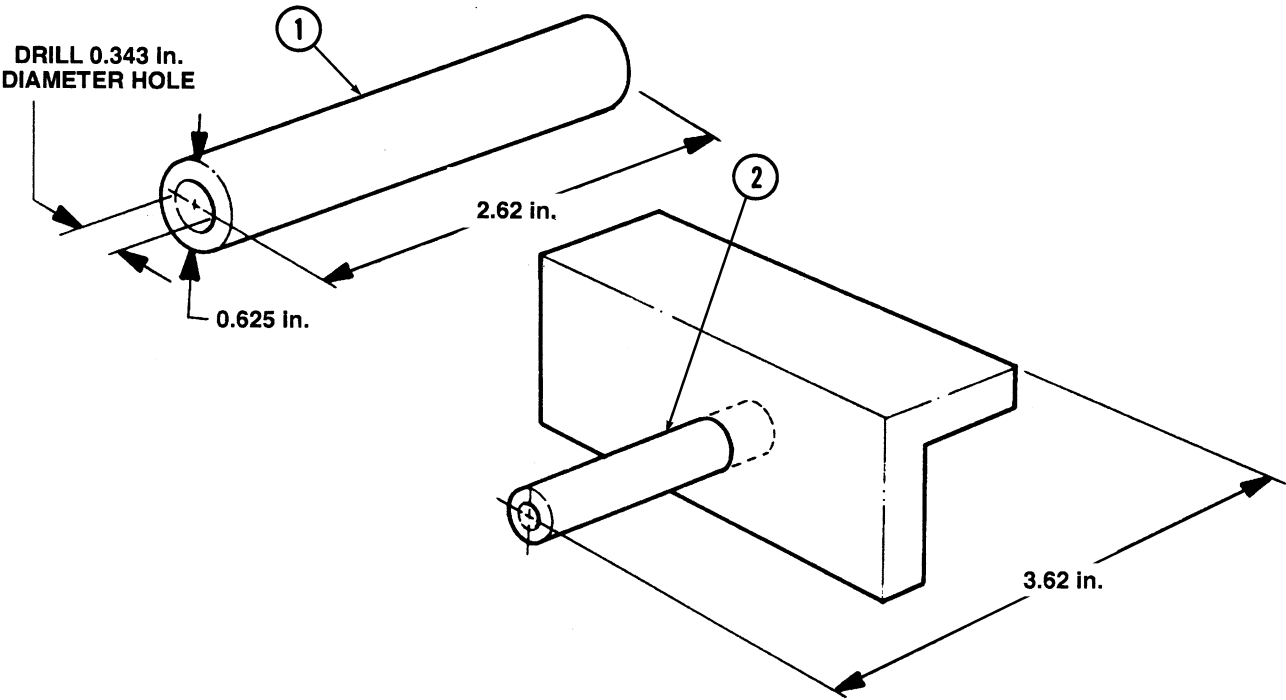


Figure D-113. Bushing Fabrication.

INSTRUCTIONS:

1. Using NSN 9510-00-229-4822 metal bar, fabricate bushing (1) as shown.
2. Remove all burrs and sharp edges.
3. Press bushing (1) into fixture hole (2) (fixture fabricated in figure D-112).

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	SPECIFICATION
0.375 IN. INSIDE DIAMETER 0.625 IN. OUTSIDE DIAMETER	HOSE, WIRE BRAIDED	N/A

ITEM NO.	REQ'D	MATERIALS	
		DESCRIPTION	NSN
	AR	Sealing Compound	8030-01-054-0740
1	1	Adapter, Straight Swivel	4730-00-547-0941
2	1	Adapter, Straight	4730-01-309-0949
3	2	Clamp, Hose	4730-00-024-3971
5	1	Adapter, Straight	4730-00-140-3770
6	1	Coupling, Pipe	4730-01-071-2859
7	1	Nipple, Pipe	4730-00-193-2709

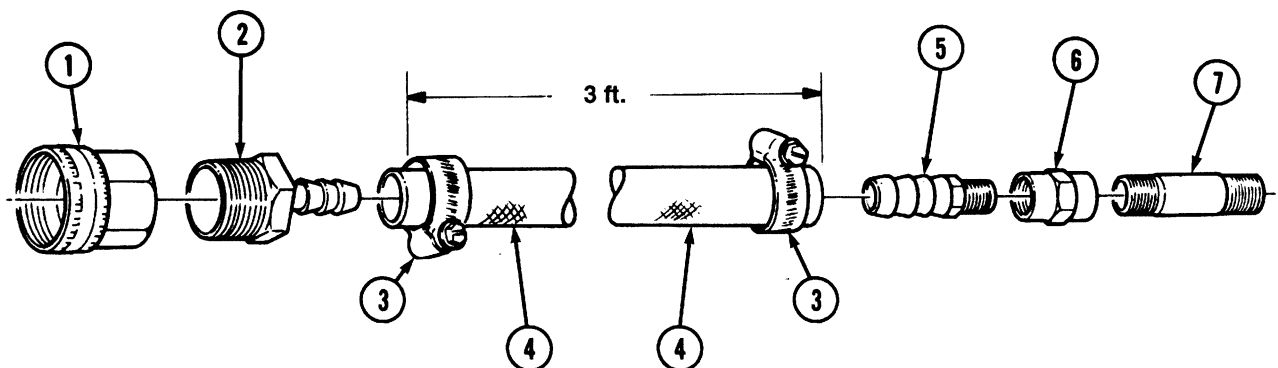


Figure D-114. Hose.

INSTRUCTIONS:

NOTE

Do not apply sealing compound to first two threads of straight adapter.

1. Connect clamp (3), straight adapter (2), and straight swivel adapter (1) to hose (4). Tighten clamp (3).
2. Connect clamp (3), straight adapter (5), pipe coupling (6), and pipe nipple (7) to hose (4). Tighten clamp (3).

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	NSN
N/A	LOCKNUT	5310-00-241-6658
N/A	WASHER	5310-01-119-1024
N/A	BOLT	5306-00-050-1237
N/A	HANDLE	P/N 12446730

INSTRUCTIONS:

- Using existing turret handle (1) as a template, scribe two reference lines (2) on weapon station (4).
- Locate and mark the center of six spot welds (3) on turret handle (1).

NOTE

Ensure drill does not penetrate weapon station.

- Using 0.313-inch diameter drill bit, drill out six spot welds (3) in turret handle (1).
- Using chisel, remove turret handle (1) from weapon station (4).

NOTE

When grinding weapon station, ensure that the two reference lines are not removed.

- Grind off any remaining spot weld (3) material flush with weapon station (4).
- Using two reference lines (2) marked in step 1, position turret handle (5) on weapon station (4).
- Using turret handle (5) as a template, drill four 0.344-inch diameter holes (6) in weapon station (4).
- Spot paint weapon station (4) (refer to TM 43-0139).
- Install turret handle (5) on weapon station (4) with four washers (8), capscrews (7), washers (8), and locknuts (9).
- Spot paint capscrews (7) and locknuts (9) (refer to TM 43-0139).

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

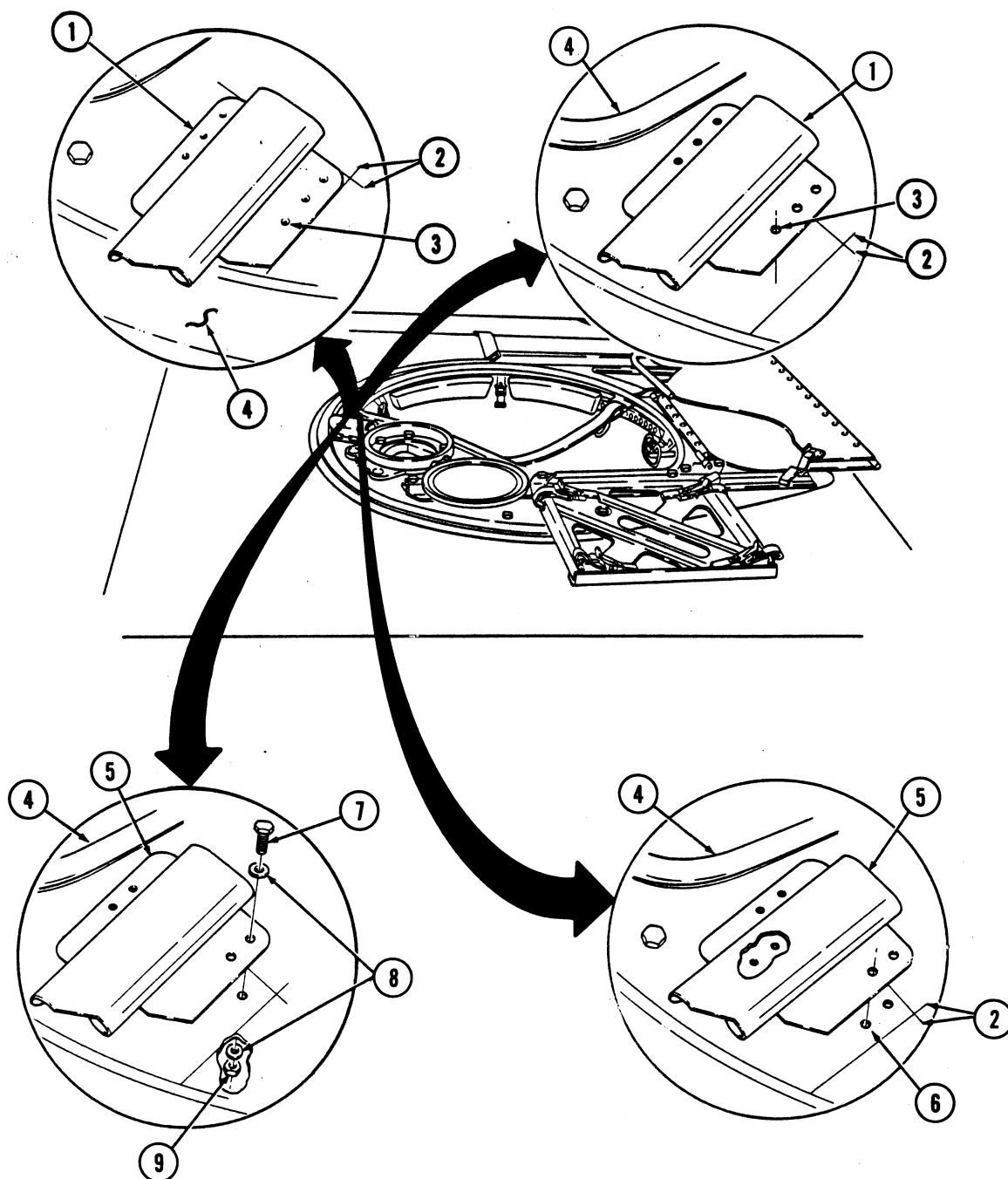


Figure D-115. Turret Handle Replacement.

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	SPECIFICATION
0.0500 IN. THICK	ALUMINUM ALLOY TEMPER	QQ-A-250/11

REINFORCEMENT BRACKET		
PART NO.	CUT TO SIZE (INCHES)	MANUFACTURED FROM NSN
N/A	AS SHOWN	9535-00-541-7194

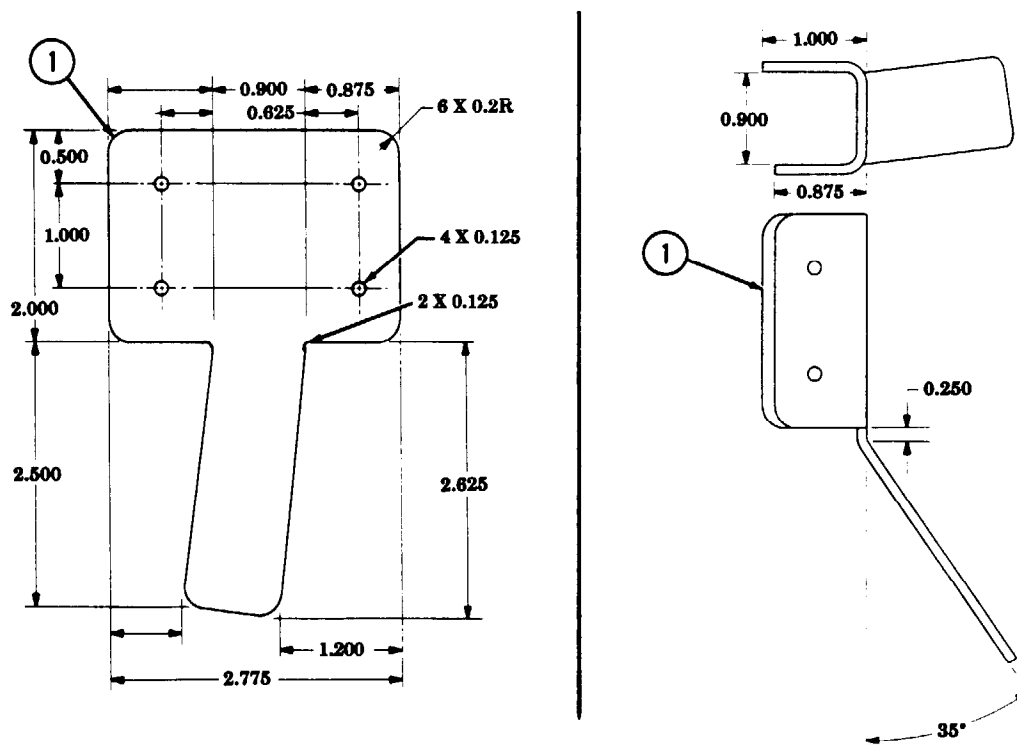


Figure D-116, "C" Pillar Reinforcement Bracket.

INSTRUCTIONS:

1. Cut two pieces of aluminum sheet metal to size as shown.
2. Locate, mark, and drill four 0.125-inch diameter holes in reinforcement brackets (1).
3. Bend left reinforcement bracket (1).
4. Bend right reinforcement bracket (1) in opposite direction.

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	SPECIFICATION
0.002-IN. (NOM) THICK 26-IN. (NOM) WIDTH	PLASTIC SHEET, PRESS	N/A

PLASTIC SHEET		
PLASTIC SHEET PART NUMBER	CUT LENGTH (INCHES)	MANUFACTURED FROM NSN
5598827	AS REQUIRED	9330-00-618-7214

*Figure D-117. Plastic Sheet***INSTRUCTIONS:**

Cut two pieces of plastic large enough to cover small hole or crack with enough to overlap about 1/4 in. around damaged area of window.

Section II. ILLUSTRATED MANUFACTURING INSTRUCTIONS (Cont'd)

MATERIAL BLOCK		
STOCK SIZE	DESCRIPTION	SPECIFICATION
39.00 IN. MINIMUM	CLOTH, COATED PLASTIC, VINYL BOTH SIDES	11 TYPE AND 2 CLASS

GREEN RUBBER CANVAS		
PART NO.	CUT LENGTH (INCHES)	MANUFACTURED FROM NSN
8434398	2 at 3X12 4 at 4X15 2 at 36X6	8305-00-616-0022

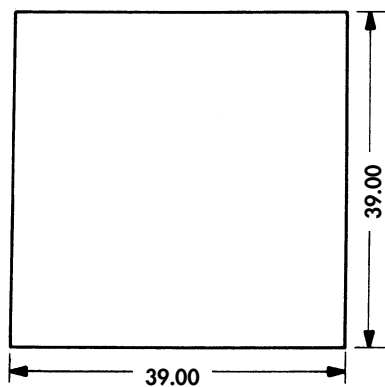
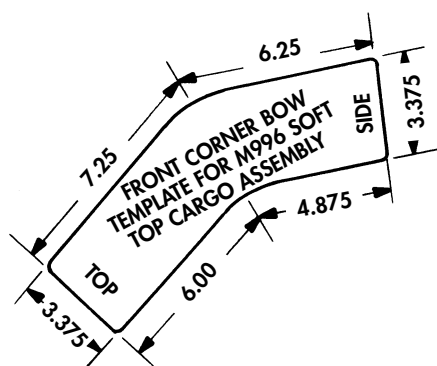


Figure D-118. Green Rubber Canvas Straps.

INSTRUCTIONS:

1. Cut canvas, NSN 8305-00-616-0022, into eight reinforcement straps for lengths shown.
2. Secure six grommets, NSN 5325-00-281-8643, and six stud turn buttons, NSN 5325-00-930-7607, to canvas straps using twelve clinch plate turn buttons, NSN 5325-00-371-8108.

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APPENDIX E STOWAGE AND SIGN GUIDE

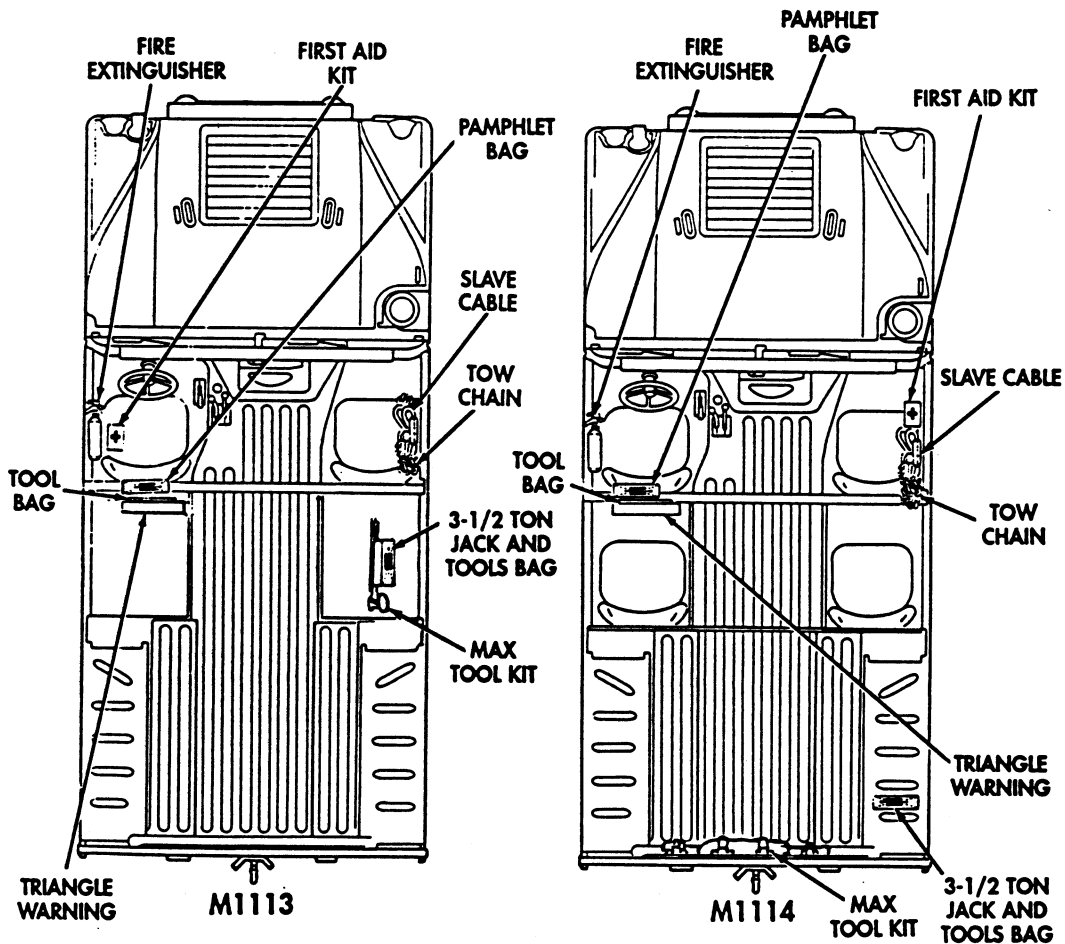
E-1. SCOPE

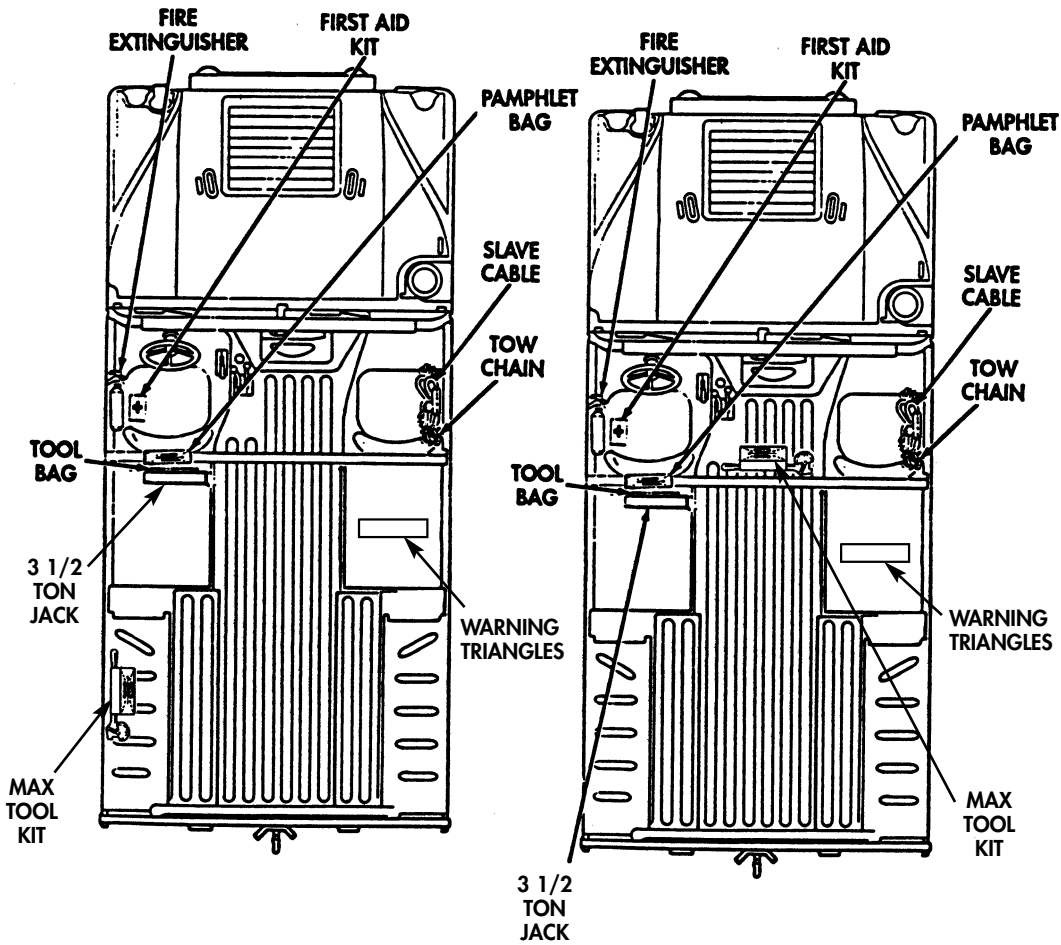
This appendix shows the location for stowage of equipment and material required to be carried on the vehicles.



E-2. GENERAL

The equipment stowage locator is designed to help inventory items required for safe and efficient operation. This equipment locator is representative of BII and applicable AAL stowage on the vehicles. Refer to appendix F for specific deviations from this equipment locator and to para. 2-2 for additional information concerning stowage of equipment.





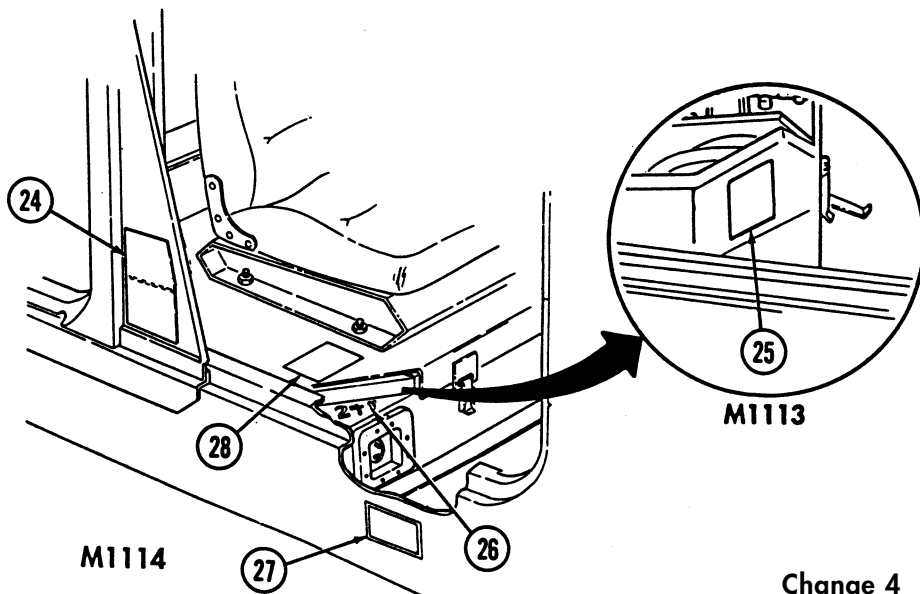
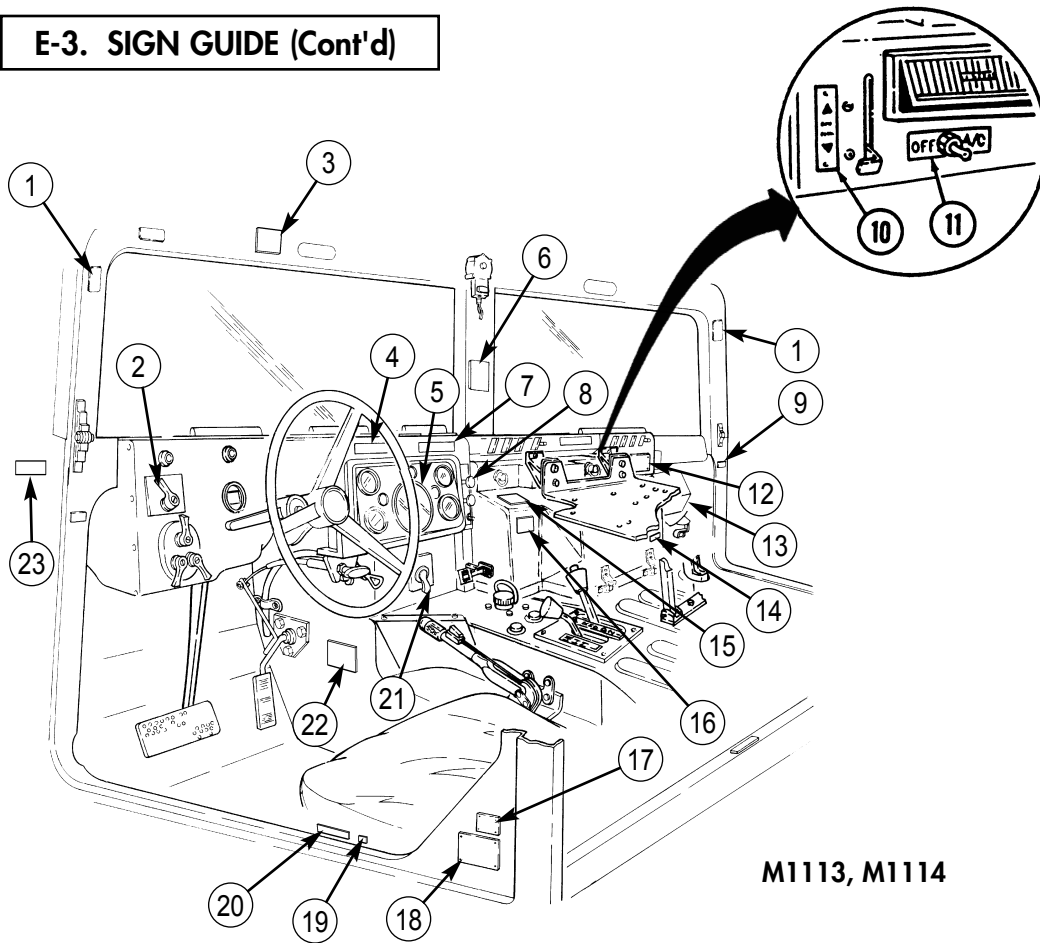
M1151

M1152

E-3. SIGN GUIDE

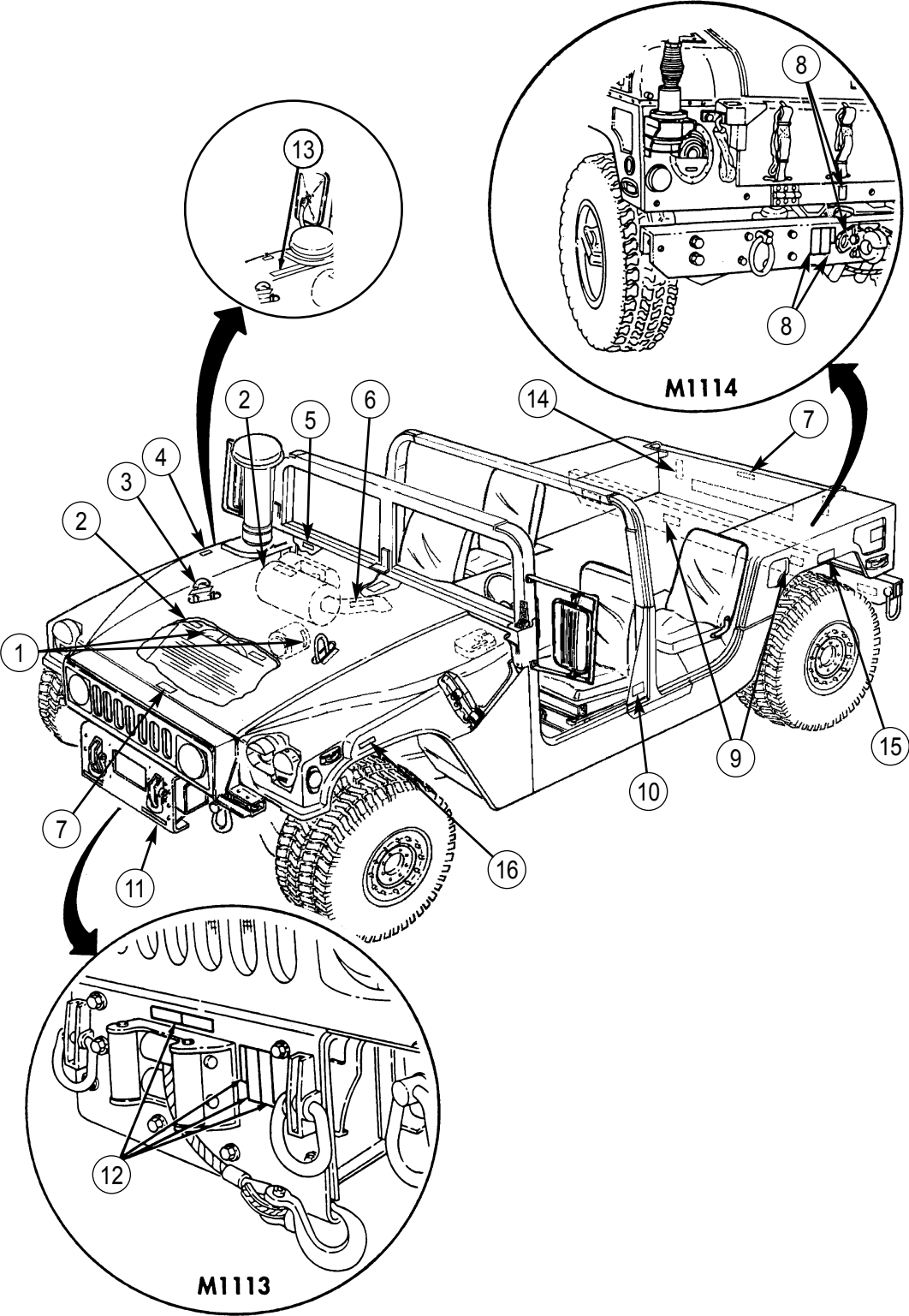
LOCATION OF CREW AREA AND EXTERIOR DECALS AND DATA PLATES		
KEY	ITEM	VEHICLE APPLICATION
1	Decal, caution, windshield cleaning	M1114/M1115
2	Plate, identification, ignition	All
3	Decal, instruction, vehicle, break-in service	M1114
4	Plate, instruction, steering wheel lock	All
5	Decal, speedometer	All
6	Decal, instruction, vehicle, break-in service	M1113
7	Decal, warning, hand throttle	All
8	Plate, identification, heater, defroster, temperature, fan	All
9	Decal, identification, M16A2/M203 rifle, front	M1113, M1151
10	Decal, floor heat control	M1114
11	Decal, A/C control	M1114
12	Plate, instruction, heater air control	All
13	Decal, procedures, tiedown	All
14	Decal, service and data manuals	All
15	Plate, instruction, seatbelt retractor (front)	All
16	Plate, instruction, operating	All
17	Plate, instruction, driver's seat adjustment	M1113
18	Plate, identification, vehicle	All
19	Plate, instruction, driver's seat adjustment	M1114
20	Decal, identification, fire extinguisher	All
21	Plate, information, deep water fording	Vehicles so equipped
22	Decal, bar code	All
23	Plate, identification, vehicle	M1114 (under hood)
24	Plate, sling and tiedown/weights and dimensions data	All
25	Plate, instruction, battery cable connections	M1113, M1151, M1152
26	Decal, 24V	All
27	Plate, identification, slave receptacle	All
28	Plate, instruction, battery cable connections	M1114

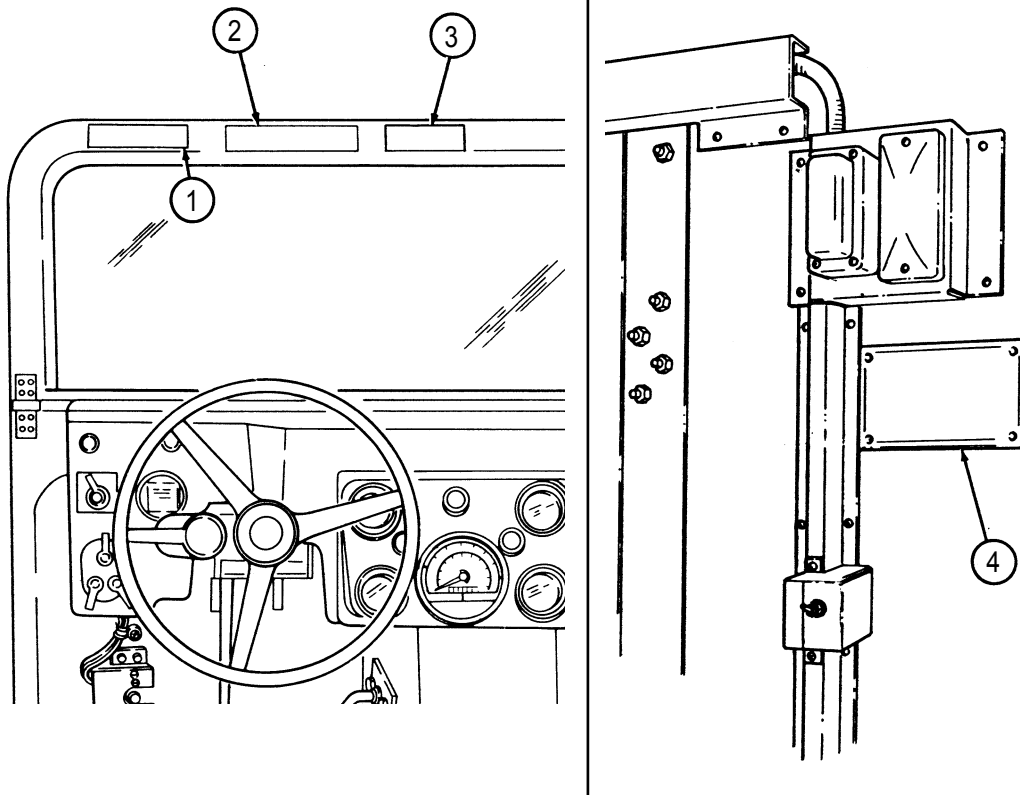
E-3. SIGN GUIDE (Cont'd)



E-3. SIGN GUIDE (Cont'd)

LOCATION OF CREW AREA AND EXTERIOR DECALS AND DATA PLATES		
KEY	ITEM	VEHICLE APPLICATION
1	Decal, warning, fan blade	All
2	Decal, no step	All
3	Decal, sling	All
4	Decal, no step	All
5	Decal, warning, surge tank cap	All
6	Decal, no step	All
7	Decal, identification, star	All
8	Decal, warning, winch	M1114 (when equipped)
9	Decal, identification, sling and tiedown	All
10	Decal, identification, vehicle number	All
11	Decal, identification, tiedown	All
12	Decal, warning, winch	M1113 (when equipped)
13	Decal, identification, USMC registration number	USMC vehicles only
14	Decal, instruction sling guide	M1151
15	Decal, tire pressure, rear	All
16	Decal, tire pressure, front	All





LOCATION OF HEARING PROTECTION DECAL		
KEY	ITEM	VEHICLE APPLICATION
1	Decal, caution, hearing protection	M1114
2	Decal, warning, transporting ammunition (M1152 with Howitzer prime mover kit installed)	M1152
3	Decal, caution, hearing protection	M1113, M1151, M1152

CARGO/TROOP CARRIER (M1152) WITH WINTERIZATION KIT INSTALLED	
4	Plate, instruction, heater operating instructions

APPENDIX F ON-VEHICLE EQUIPMENT LOADING PLANS

F-1. SCOPE

This appendix shows the on-vehicle equipment loading plan for M1113, M1114, M1151, and M1152 vehicles.

Proponent: Commandant
US Army Infantry School
Fort Benning, GA 31905

F-2. M1114 UP-ARMORED CARRIERS W/SUPPLEMENTAL ARMOR LOAD PLAN (MK19/40MM)

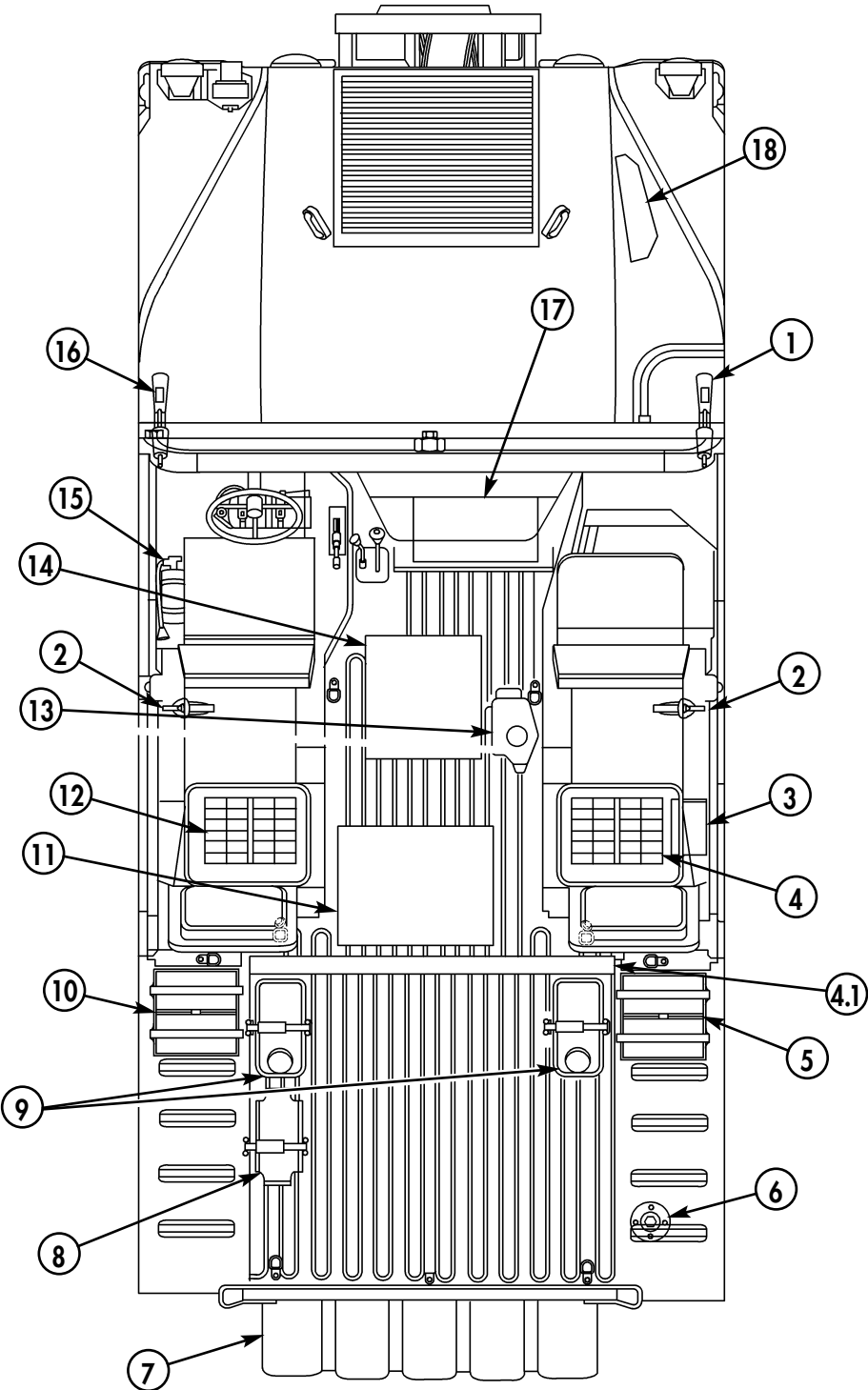
This is a standard load plan for the M1114 carriers w/supplemental armor. It includes selected items of personnel and unit equipment issued to most units equipped with this vehicle. Equipment not shown in this document may be loaded in accordance with local command policy.

F-4. ARMAMENT CARRIER LOAD PLAN

This is a standard load plan for the expanded capacity armament carriers (M1151). It is designed to supplement the stowage and sign guide contained in Appendix E. It includes selected items of personnel and unit equipment issued to most units within the Army equipped with this vehicle. Equipment not shown in this document may be loaded in accordance with local command policy. For Marine Corps Load Plans, refer to TI 11240-24/42.

ARMAMENT CARRIER STOWAGE PLAN

LOAD PLAN	
NO.	ITEM
1	M16A1/M203 Rifle
2	Rifle M16A1
3	Tool Box
4	Combat Rations (under seat)
4.1	Bulkhead, Cargo
5	Ammunition Tray (caliber 5.56 mm)
6	Radio Antenna (on cargo shell)
7	Camouflage Screen and Support System
8	Water Can Tray
9	Water Can Tray (2)
10	Ammunition Tray (caliber 5.56 mm)
11	40 mm/50 cal/Ammunition Tray
12	Combat Rations (under seat)
13	Pedestal
14	Adjustable Gunner's Platform
15	Fire Extinguisher
16	M16A1/M203 Rifle
17	AN/GRC-160 Radio
18	Jack, Scissors



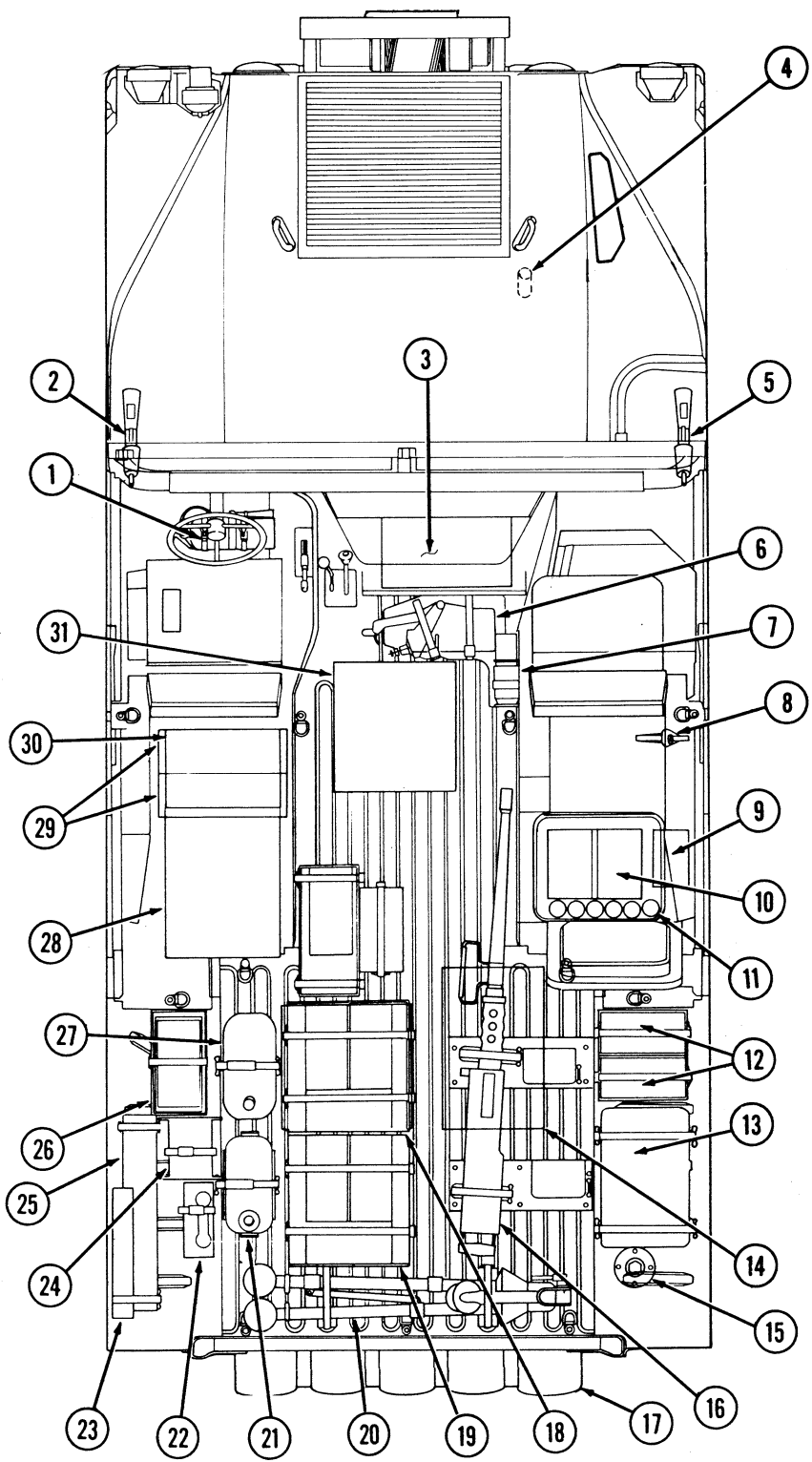
F-7. ARMAMENT CARRIER LOAD PLAN (M2/.50 CAL)

This is a standard load plan for the expanded capacity armament carrier (M1151). It is designed to supplement the stowage and sign guide contained in Appendix E. It includes selected items of personnel and unit equipment issued to most units within the Army equipped with this vehicle. Equipment not shown in this document may be loaded in accordance with local command policy.

ARMAMENT CARRIER (M2/.50 CAL) ARMY STOWAGE PLAN

LOAD PLAN	
NO.	ITEM
1	Fire Extinguisher
2	M16A1/M203 Rifle
3	AN/GRC-160 Radio
4	Gasoline Cook Stove (strapped to airlift bracket)
5	M16A1/M203 Rifle
6	MK64 MOD 4 M2 MG Mount
7	Pintle Adapter
8	M16A1 Rifle
9	Radiac Meter IM 174 PD or AN/VDR-2
10	AN/PVS-5 Night Sight Goggles (2)
11	Hand Grenades (12)
12	Ammunition (5.56/M203-40 mm)
13	Night Sight AN-TVS-5
14	Infrared Viewer AN PAS-7
15	Radio Antenna (on cargo shell)
16	Machine Gun (M2/.50 cal)
17	Camouflage Screen and Support System
18	Infrared Observation Set AN GVS-5 Laser
19	Ammunition (M2/.50 cal)
20	M3 Tripod
21	Water Can
22	Telephone TA-312 PT
23	Antenna AT 784
24	DR8 Cable Reel
25	Spare Barrel (M2/.50 cal) and Cleaning Kit
26	Ammunition (M2/.50 cal) Mounted in MG Feed Tray
27	M13 Decon Kit
28	Demolition Kit
29	PEWS AN/THS-2
30	Individual Vision Sight AN/PVS-4
31	Adjustable Gunner's Platform

INTERNAL TOP VIEW



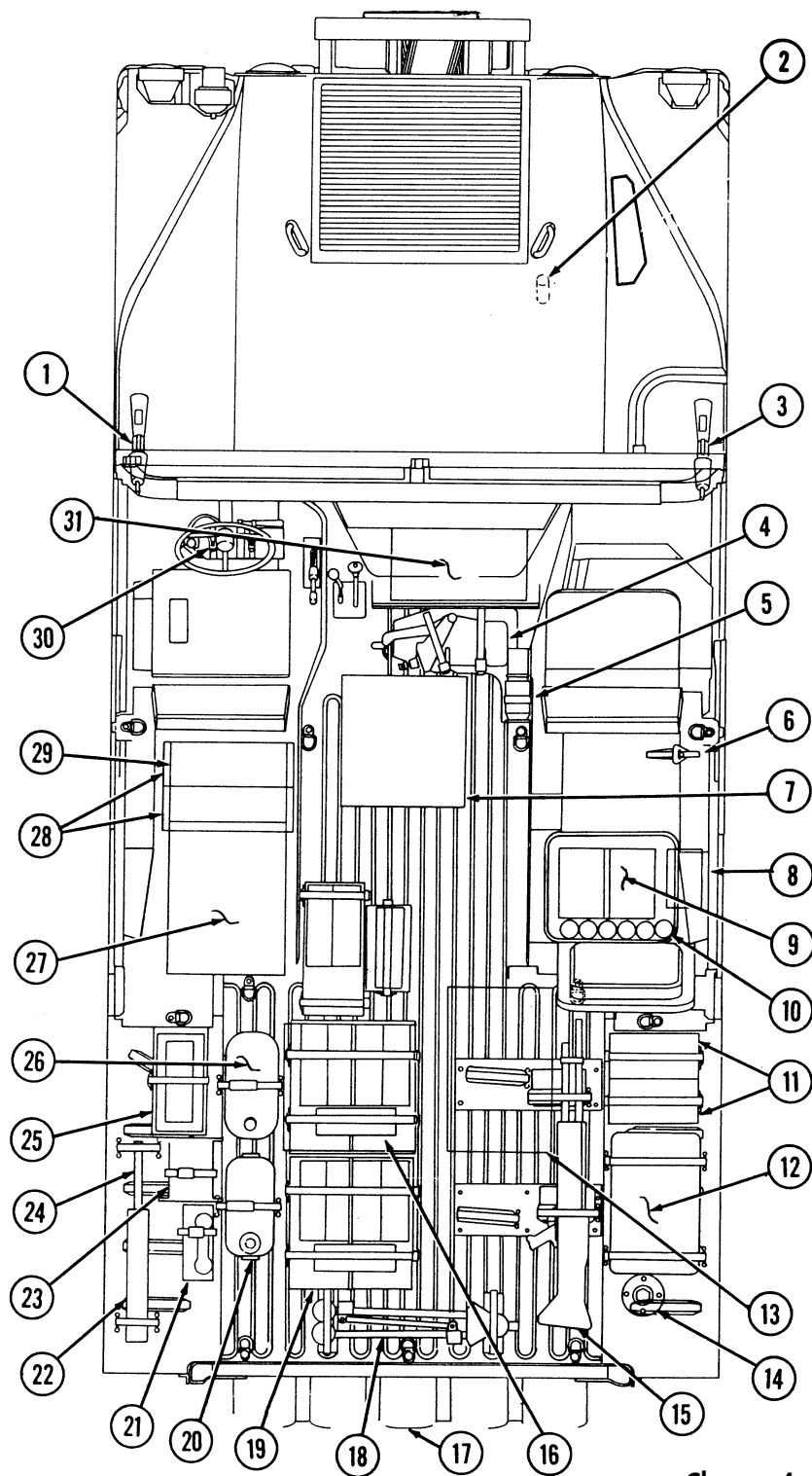
F-8. ARMAMENT CARRIER LOAD PLAN (M60/7.62 MM)

This is a standard load plan for the expanded capacity armament carrier (M1151). It is designed to supplement the stowage and sign guide contained in Appendix E. It includes selected items of personnel and unit equipment issued to most units within the Army equipped with this vehicle. Equipment not shown in this document may be loaded in accordance with local command policy.

**ARMAMENT CARRIER
STOWAGE PLAN (M60/7.62 MM)**

LOAD PLAN	
NO.	ITEM
1	M16A1/M203 Rifle
2	Gasoline Cook Stove (strapped to airlift bracket)
3	M16A1/M203 Rifle
4	MK64 MOD/M60 MG Mount
5	Pintle Adapter
6	M16A1/M203 Rifle
7	Adjustable Gunner's Platform
8	Radiac Meter IM 174 PD or AN VDR-2
9	Night Vision Goggles (2)
10	Hand Grenades (12)
11	Ammunition (5.56/M203-40 mm)
12	Night Sight AN-TVS-5
13	Infrared Viewer AN/PAS-7
14	Radio Antenna (on cargo shell)
15	Machine Gun M60
16	Infrared Observation Set AN/GVS-5 Laser
17	Camouflage Screen and Support System
18	M2 Tripod
19	Ammunition (M60/7.62 mm)
20	Water Can
21	Telephone TA-312/PT
22	Antenna AT1784
23	Cable Reel DR-8
24	Spare Barrel (M60/7.62 mm) and Cleaning Kit
25	Ammunition (M60/7.62 mm)
26	M13 Decon Kit
27	Demolition Kit
28	PEWS AN/THS-2
29	Individual Vision Sight AN/PVS-4
30	Fire Extinguisher
31	AN/GRC-160 Radio

INTERNAL TOP VIEW



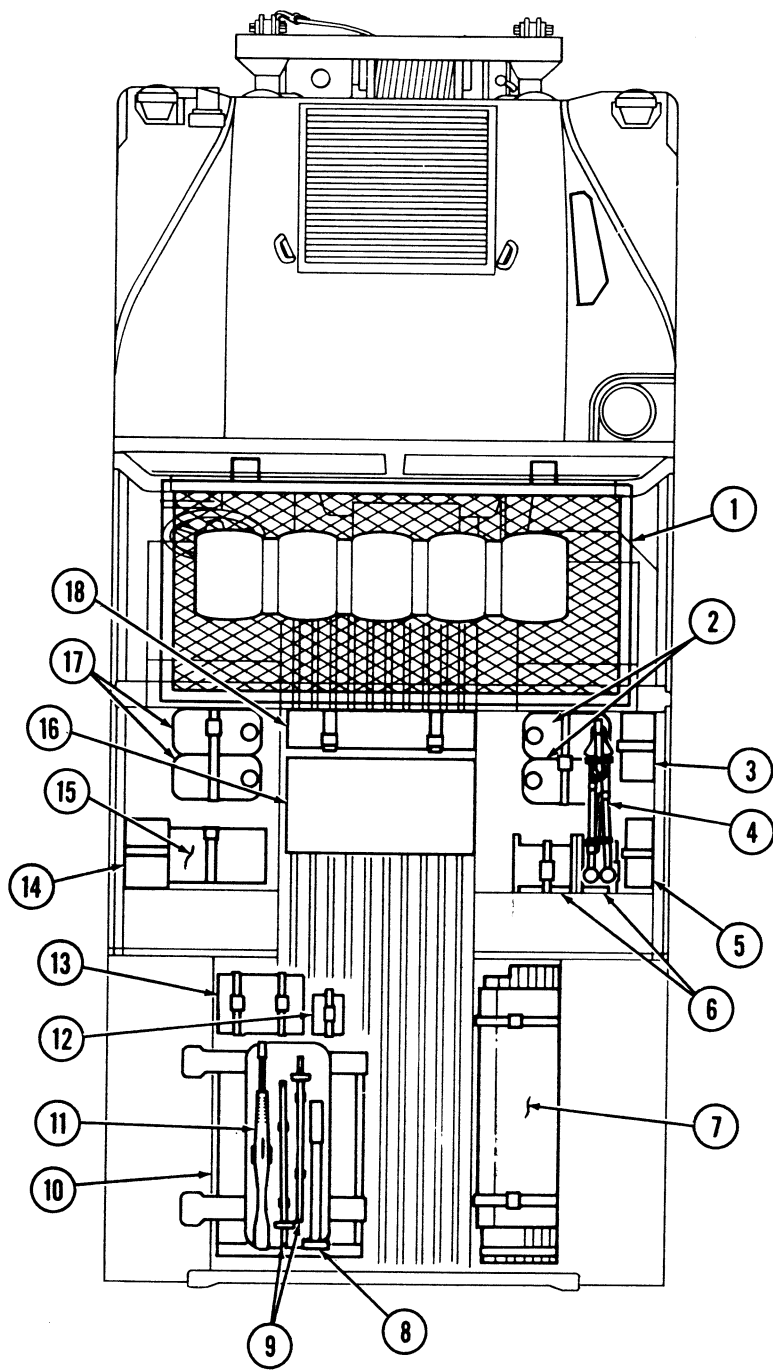
F-11. HEAVY VARIANT STOWAGE PLAN

This is the standard load plan for the M1152, and variants equipped with a howitzer prime mover or towed vulcan kit. It is designed to supplement the stowage and sign guide contained in Appendix E. It includes selected items of personnel and unit equipment issued to most units within the Army equipped with this vehicle. Equipment not shown in this document may be loaded in accordance with local command policy.

HEAVY VARIANT STOWAGE PLAN

LOAD PLAN	
NO.	ITEM
1	Camouflage Screen and Support System
2	Fuel (Diesel) Cans (2)
3	Remote
4	M122 Tripod
5	Telephone
6	DR8 Cable Reels (2)
7	Paralleloscope and Aiming Posts
8	Jack Strut
9	Paralleloscope Spikes (2)
10	Ammo (22 Rounds)
11	M60 Machine Gun
12	Sight Box #2
13	Sight Box #1
14	GDU Battery
15	GDU Box
16	Section Chest
17	Water Cans (2)
18	Spade

INTERNAL TOP VIEW



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APPENDIX G

MANDATORY REPLACEMENT PARTS

Section I. INTRODUCTION

G-1. SCOPE

This appendix lists mandatory replacement parts you will need to maintain ECV series vehicles.

G-2. EXPLANATION OF COLUMNS

- a. Column (1) – Item Number.** This number is assigned to each entry in the listing and is referenced in the Initial Setup of applicable tasks under the heading of Materials/Parts.
- b. Column (2) – Nomenclature.** Name or identification of the part.
- c. Column (3) – Part Number.** The manufacturer's part number.
- d. Column (4) – National/NATO Stock Number.** The national stock number of the part.

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
1	AVK Fastener	ALS7-616-150	5325-01-474-9732
2	Balance Weights	5595966	6670-01-261-6844
3	Bearing Sleeve	12L18F	3120-00-485-1017
4	Boot Service Kit	57K3515	2530-01-457-1337
5	Bracket, Battery Holddown, Front	12339904	5340-01-470-7135
6	Bracket, Battery Holddown, Rear	12339905	5340-01-470-7160
7	Capscrew	9423557	5306-01-360-1123
8	Capscrew	5597349	5306-01-276-1621
9	Capscrew	4797000-013	5306-01-433-9185
10	Center Parts Kit	CPL6N8	2520-00-352-2168
11	Clip	MS16633-1050	5365-00-442-5845
12	Clip	M36-0790-10	5325-01-257-0801
13	Closed-Cell Foam Rubber	4668987-001	2540-01-474-8719
14	Copper Washer	5582366	5310-01-189-8476
15	Copper Washer	983-0062	5310-01-495-8564
16	Cotter Pin	10166	5315-01-284-9812
16.1	Cotter Pin	MS24665-319	5315-01-267-7570
17	Cotter Pin	4397007-008	5315-01-433-8419
18	Cotter Pin	MS24665-134	5315-00-839-5820
19	Cotter Pin	MS24665-283	5315-00-842-3044
20	Cotter Pin	MS24665-281	5315-00-839-2326
21	Cotter Pin	MS24665-351	5315-00-839-5821
22	Cotter Pin	MS24665-355	5315-00-012-0123
23	Cotter Pin	PK379	5315-00-816-1794
24	Cotter Pin	MS24665-513	5315-00-239-8032
25	Cotter Pin	MS24665-628	5315-00-846-0126
26	Cotter Pin	A82-1	5315-00-839-2325
27	Coupler, Tube	12339235	4730-01-184-6971
28	Door Seal	RCSK 18037-2	5330-01-460-9004
29	Door Seal	RCSK 18047	5330-01-460-8997
30	Drivescrew	MS21318-47	5305-00-253-5626
31	Dust Cap	211121X	5340-01-188-1017
32	Fiber Washer	12500	5310-00-830-7825
32.1	Filter	870889A	4330-01-506-2918
33	Filter Assembly	8684221	2520-01-398-4589
33.1	Flat Washer	130998	5310-00-013-0998
34	Flat Washer	4397005-010	5310-01-435-7784
35	Flat Washer	MS27183-14	5310-00-080-6004
35.1	Fuel Pump Gasket	SC202494	5330-01-393-9101

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
36	Fuel/Water Filter Element Kit	A910044	4330-01-190-3579
37	Gasket	12338585	5330-01-194-0473
38	Gasket	MA128-21182	5330-01-037-0663
39	Gasket	12338339	5330-01-200-0466
40	Gasket	12342105	5330-01-315-1609
41	Gasket	10137490	5330-01-445-5459
42	Gasket	7539072	5330-00-753-9072
43	Gasket	DC8226	5330-01-076-6172
44	Gasket	10137488	5330-01-149-0874
45	Gasket	5577933	5330-01-184-6500
46	Gasket	12339379	5330-01-188-0911
47	Gasket	8677743	5330-01-360-5271
48	Gasket	12338462	5330-01-211-5856
49	Gasket	12553488	5330-01-476-3866
50	Gasket	24204253	5330-01-478-5993
51	Gasket	12460095	5330-01-413-2118
52	Gasket	10137486	5330-01-150-5944
53	Gasket	12554979	5330-01-442-2876
54	Gasket	14964	5330-01-306-7887
55	Gasket	14022649	5330-01-156-5147
56	Gasket	14025557	5330-01-150-1215
56.1	Gasket	12356789	5330-01-319-7302
57	Gasket, Governor Cover	3921950	5330-01-234-2615
58	Gasket, Intake Manifold	12531704	5330-01-437-9216
59	Gasket, Intake Manifold	10211661	5331-01-437-0547
60	Gasket, Oil Pan	0534400	5330-01-310-6780
61	Gasket, Oil Pump	8677782	5330-01-409-1665
62	Gasket, Servo Cover	8675728	5330-01-478-4797
63	Gasket, Turbocharger Oil	12461306	5330-01-484-1471
64	Gasket, Valve Cover	91599	5330-01-372-0636
65	Gasket Kit, Commutator End Head	MES-955	5330-00-138-0251
66	Gasket Set	36-630	5330-01-190-7510
67	Gasket Set	SAT-32	5330-00-193-0850
68	Gasket Set	90-2206	2920-00-302-6342
68.1	Grommet, Nonmetallic	12340526	5325-01-437-4175
69	Hex-Nut	7063812	5310-00-126-3842
70	Hex-Nut	N9098	5310-01-225-0701
71	Hex-Nut	4397002-001	5310-01-417-8614

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
72	Journal and Bearing Kit	5-213X	2520-01-180-2135
72.1	Keyed Washer	5584462	5310-01-213-4185
72.2	Kit, Pressure Relief Valve	5716414	4820-01-510-6041
72.3	Lockbolt	5589067	5306-01-204-2139
73	Locknut	12339206	5310-01-439-1154
74	Locknut	M21245-L12	5310-00-419-0876
75	Locknut	9422279	5310-01-462-4393
76	Locknut	SN-104-NM-22	5310-00-208-1918
77	Locknut	MS51943-31	5310-00-061-4650
78	Locknut	MS21245-L10	5310-00-449-2381
79	Locknut	9422295	5310-01-119-3668
80	Locknut	5593035	5310-01-255-2695
81	Locknut	MS51943-32	5310-00-935-9022
82	Locknut	MS51943-33	5310-00-814-0673
83	Locknut	12387349-43	5310-00-061-4651
84	Locknut	12339501	5310-01-198-7585
85	Locknut	MS51943-39	5310-00-488-3889
86	Locknut	MS21245-8	5310-00-449-2376
87	Locknut	MS51943-34	5310-00-241-6658
88	Locknut	MS51943-45	5310-00-409-3333
89	Locknut	9411893	5310-00-251-4503
90	Locknut	8712289-4	5310-00-840-6222
91	Locknut	21NE083	5310-00-020-0358
92	Locknut	9442939	5310-01-149-4407
93	Locknut	8712289	5310-00-044-3340
94	Locknut	N9265	5310-01-136-4888
94.1	Locknut	9424215	5310-01-398-0319
95	Locknut	5593048	5310-01-252-0481
96	Locknut	12338899	5340-01-185-8619
97	Locknut	9419476	5310-00-984-3807
98	Locknut	454749	5310-00-164-1790
99	Locknut	92-00065	5310-01-420-8727
100	Locknut	ALS7-616-312	5325-01-459-5008
101	Locknut	M45913/1-4CG5C	5310-00-088-1251
101.1	Locknut	M45913/3-5CG8Z	5310-01-500-3204
101.2	Locknut	NAS1022-N08	5310-00-721-5447
101.3	Locknut	MS210-83-N08	5310-00-941-6019
101.4	Locknut	5592958	5310-01-253-1615
101.5	Locknut	9411807	5310-01-461-8043

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
101.6	Locknut	MS17829-4F	5310-00-483-8791
101.7	Locknut	131245	5310-00-013-1245
101.8	Locknut	5590556	5310-01-208-5252
101.9	Locknut	454748	5310-00-013-1245
101.10	Locknut	192481	5310-01-058-3353
102	Locknut	8712289-5	5310-00-044-3342
103	Locknut	12339501	5310-01-198-7585
104	Locknut	MS51943-46	5310-00-935-3569
105	Locknut	21NE-40	5310-01-066-6759
106	Locknut	MS51943-35	5310-00-935-9021
107	Locknut	22FT832	5310-00-582-5765
108	Locknut	5579442	5310-01-175-0617
109	Locknut	6779	5310-01-213-4174
110	Locknut	4397073-003	5310-01-439-8180
111	Locknut	4397064-005	5310-01-439-8177
112	Locknut	4397003-001	
113	Locknut	M45912/3-6FG8C	5310-00-814-0672
114	Locknut	MS51988-8	5310-00-447-8774
115	Locknut	N9416	5310-01-348-8360
115.1	Locknut	N9092	5310-01-390-5105
116	Locknut	N9099	5310-01-165-1312
117	Locknut	9419477	5310-01-466-4852
118	Locknut	MS51943-13	5310-01-315-7311
119	Locknut	4397064-008	5310-01-439-8178
120	Locknut	9422305	5310-01-130-4274
121	Locknut	9442938	5310-01-315-3403
122	Locknut	4397064-013	5310-01-439-7064
123	Locknut	4397012-072	5305-01-438-1201
124	Locknut	9418969	5310-00-458-2382
125	Locknut	MS51943-37	5310-00-241-6659
126	Locknut	4397000-64	5305-01-436-6377
127	Locknut	4397064-001	5310-01-439-8173
128	Locknut	9422299	5310-01-150-4003
129	Locknut	4397064-003	5310-01-439-8172
130	Locknut	4397064-014	
131	Locknut	4397068-003	5310-01-437-3836
132	Locknut	9422277	5310-01-126-9404
133	Locknut	9419471	5310-01-432-6727
133.1	Locknut	274209	5310-00-420-9713

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
133.2	Locknut	4397021-023	5310-01-419-2951
133.3	Locknut	12339730	5310-01-254-4284
133.4	Locknut	12339728-3	5310-01-198-3487
133.5	Locknut	5584710	5310-01-203-3217
133.6	Locknut	MS21042L5	5310-00-807-1476
133.7	Locknut	MS21042L6	5310-00-807-1477
133.8	Locknut	MS21042L4	5310-00-807-1475
133.9	Locknut	5591514	5310-01-217-0715
133.10	Locknut	MS21044-N3	5310-00-877-5797
133.11	Locknut	M45913/3-4FG8C	5310-00-935-9022
133.12	Locknut	190171	5310-00-774-9073
133.13	Locknut	9419456	5310-01-318-5237
133.14	Locknut	272739	5310-01-317-8164
133.15	Locknut	190139	5310-00-088-0553
134	Locknut, Assembled	271172	5310-01-152-0598
135	Lockwasher	MS35338-141	5310-00-984-7042
136	Lockwasher	454542	5305-00-499-7694
137	Lockwasher	MS35337-22	5310-00-596-7674
138	Lockwasher	120382	5310-00-012-0382
139	Lockwasher	MS35333-38	5310-00-559-0070
140	Lockwasher	4397004-005	5310-01-434-1385
141	Lockwasher	4397004-007	5310-01-417-9942
142	Lockwasher	4397037-006	5310-01-419-4436
143	Lockwasher	MS122031	5310-00-285-7037
144	Lockwasher	MS35338-46	5310-00-637-9541
145	Lockwasher	MS35338-45	5310-00-407-9566
146	Lockwasher	MS35338-44	5310-00-582-5965
147	Lockwasher	MS35338-42	5310-00-045-3299
148	Lockwasher	MS51415-9	5310-01-216-7390
149	Lockwasher	MS35338-43	5310-00-045-3296
150	Lockwasher	120217	5310-00-922-2017
151	Lockwasher	11503962	5310-01-444-3084
152	Lockwasher	2239H	5310-00-209-1218
153	Lockwasher	MS35338-103	5310-00-184-8971
154	Lockwasher	MS35338-49	5310-00-167-0680
155	Lockwasher	MS35333-44	5310-00-194-1483
156	Lockwasher	5573688	5310-01-231-0596
157	Lockwasher	12446954	5310-01-472-3763
158	Lockwasher	MS35333-43	5310-00-685-3228

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
159	Lockwasher	4397004-008	5310-01-417-7273
160	Lockwasher	4397004-042	5310-01-436-5682
161	Lockwasher	MS35340-47	5310-00-655-9370
162	Lockwasher	B18212HRCZ080	5310-01-478-5620
163	Lockwasher	12460095	5330-01-413-2118
164	Lockwasher	MS35333-76	5310-00-180-0277
165	Lockwasher	MS45904-76	5310-00-061-1258
166	Lockwasher	MS45904-72	5310-00-889-2527
167	Lockwasher	85031	5310-01-186-7066
168	Lockwasher	MS45904-60	5310-00-080-9786
169	Lockwasher	MS35338-65	5310-00-011-5093
170	Lockwasher	5584462	5310-01-213-4185
171	Lockwasher	MS35338-50	5310-00-820-6653
172	Lockwasher	MS35333-40	5310-00-550-1130
173	Lockwasher	MS45904-68	5310-00-889-2528
174	Lockwasher	MS35338-48	5310-00-584-5272
175	Lockwasher	MS35340-48	5310-00-834-7606
176	Lockwasher	MS35340-43	5310-00-721-7809
177	Lockwasher	N9018	5310-01-032-4827
178	Lockwasher	N9265	5310-01-136-4888
179	Lockwasher	N9459	5310-01-348-8393
180	Lockwasher	N9461	5310-01-348-8392
181	Lockwasher	N9015	5310-01-046-0186
182	Lockwasher	MS35338-47	5310-00-209-0965
183	Lockwasher	120384	5310-00-482-9493
184	Lockwasher	121841	5310-00-764-5694
185	Lockwasher	11500207	5310-01-206-7306
186	Lockwasher	5550554	5310-01-144-2779
187	Lockwasher	MS35338-67	5310-00-011-6121
188	Lockwasher	92-2923	5310-01-214-4955
189	Lockwasher	MS35338-100	5310-00-261-8278
190	Lockwasher	12338062	5310-01-148-2687
190.1	Lockwasher	120214	5310-00-012-0214
190.2	Lockwasher	120423	5310-00-012-0423
190.3	Lockwasher	9424258	5310-01-199-3440
190.4	Lockwasher	120380	5310-00-209-2946
190.5	Lockwasher	MS35335-33	5310-00-209-0786
191	Lockwasher, Two-Piece	6008029	5310-01-457-3292
192	Lubricant, Run Flat	D528234-H1	2640-01-419-6200

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO.	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
193	Mounting Plate Gasket	12551502	5330-00-830-1745
194	Nut and Lockwasher Assembly	5593033	5310-01-252-2999
195	Nut and Lockwasher Assembly	G-00271166	5310-01-251-0760
196	Nut and Lockwasher Assembly	134530	5310-01-186-7702
197	Nut and Lockwasher Assembly	271169	5310-00-124-9265
197.1	Nut, Plain Assembled	271184	5310-00-933-4310
198	Nylon Thrust Washer	30277	3120-01-447-8663
199	Oil Filter	PF1218	4330-01-398-8484
200	Deleted		
201	Oil Filter	8684221	2520-01-398-4589
201.1	Oil Filter	24210955	
202	Oil Seal	30275	5330-01-446-4696
203	O-Ring	M83461/1-236	5331-01-183-0971
204	O-Ring	33-00778	5331-01-419-7754
205	O-Ring	33-00779	5331-01-460-2442
206	O-Ring	33-00781	5331-01-419-7755
207	O-Ring	33-00777	5331-01-420-1795
208	O-Ring	4397059-016	5331-01-439-8821
209	O-Ring	5741062	5330-01-209-7726
210	O-Ring	3921936	5331-01-232-2145
211	O-Ring	33-00780	5331-01-421-4960
212	O-Ring	MS28775-110	5331-00-585-6663
213	O-Ring	8658110	5330-01-043-5572
214	O-Ring	24201388	5330-01-456-7886
215	O-Ring	5939517	5330-01-487-7129
216	O-Ring	274244	5331-00-935-9136
217	O-Ring	M83461/1-020	5331-01-107-4950
218	O-Ring	299C413P3	5331-00-676-8062
219	O-Ring	12339002	5331-01-195-8889
220	O-Ring	12340395	5331-00-580-6586
221	O-Ring	1249-4	5331-00-805-2966
222	O-Ring	5740436	5330-01-157-1884
223	O-Ring	983-110.01	
224	O-Ring	983-9537044DO	
225	O-Ring	983-WH11-105	
226	O-Ring	11639519-1	5331-00-463-0200
227	O-Ring	11639519-2	5310-00-462-0907
228	O-Ring	22405A	
228.1	O-Ring	PS18022	5330-01-495-0145

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
228.2	O-Ring	7700242	
229	O-Ring, Crossover	12456133	5331-01-472-8177
230	O-Ring, Door Handle	MS28775-114	5331-00-618-0801
231	O-Ring, Drum End	983-AS5680357	
232	O-Ring, Insert	12342794	5331-01-346-3806
233	O-Ring, Pinion	XA744Z	5331-00-137-3450
234	O-Ring Seal	8661760	5330-01-414-6607
235	O-Ring Seal	12447172	5330-01-447-4762
236	O-Ring Seal	5688049	5330-00-848-4439
237	O-Ring Seal	91610	5331-01-417-1043
237.1	Parts Kit	90-2206	2920-00-302-6342
238	Parts Kit, Bearing	90-2840	3120-01-191-4637
239	Parts Kit, Engine	90-2225	2920-01-068-7182
240	Parts Kit, Engine	90-2841	2920-01-191-6534
241	Parts Kit, Engine	90-2837	2920-01-192-2956
242	Parts Kit, Hydraulic	24210468	
243	Parts Kit, Seal	57K0241	5330-01-361-8015
244	Parts Kit, Seal	57K0240	5330-01-361-8014
245	Parts Kit, Seal	57K3489	5330-01-459-6477
246	Parts Kit, Solenoid	90-816	2920-01-192-2959
246.1	Pin, Spring	9412281	5315-01-173-3397
247	Pin, Tapered Drive	91386	5315-00-576-0265
247.1	Platenut	MS51941-10	5310-01-025-6444
248	Plug	24200224	4730-01-460-5520
249	Pushnut	12340258	5340-01-232-7599
250	Pushnut	C183-012-4	5310-01-213-1333
251	Pushnut	12339313	5310-01-188-6861
252	Rear Brake Caliper Kit	57K3512	2530-01-455-9330
253	Retainer, Oil Seal	23502587	5330-01-378-8572
254	Retaining Ring	012351	5365-01-135-4290
254.1	Retaining Ring	MS16633-1050	5325-00-442-5845
255	Rivet	BALM-6BP-14	5320-01-254-2283
256	Rivet	CR-213-4-2	5230-01-258-2576
257	Rivet	CR-213-4-4	5230-01-220-0596
257.1	Rivet	CR-213-6-8	5320-01-086-1144
258	Rivet	NAS9301BNS-4-04	5320-01-143-5079
259	Rivet	5593050	5320-01-254-4251
260	Rivet	NAS9301BNS-6-04	5320-01-136-1782
262	Rivet	12339355-1	5320-01-271-6357

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
262.1	Rivet	12339355-2	5320-01-264-5978
263	Rivet	NAS9302BNS-6-04	5320-01-136-1785
264	Rivet	NAS9301BNS-4-02	5320-01-151-1061
265	Rivet	M24243/1-A403	5320-00-083-5009
266	Rivet	4397042-621	5320-01-436-5552
267	Rivet	4397081-011	5320-01-439-9728
268	Rivet	BAPKTR-64	5320-01-275-1998
269	Rivet	CR3243-6-3	5320-01-033-8638
269.1	Rivet	CR3243-6-5	5320-01-034-1884
270	Rivet	96-00034	5320-01-474-9677
271	Rivet	96-00035	5320-01-422-1712
271.1	Rivet	4397044-019	
271.2	Rivet	4397081-009	
271.3	Rivet, Blind	CR-213-4-5	5320-01-259-7423
271.4	Rivet, Blind	AD42BS	5320-00-899-0981
271.5	Rivet, Blind	CR-213-6-3	5320-01-135-7319
272	Rivet, CSK	4397044-021	5320-01-473-2768
272.1	Rivnut, Blind	MS27130-CR31	5310-01-283-8482
273	Rivet, Protruding	4397042-022	5320-01-434-0758
273.1	Rubber Washer	33-00748	5325-01-462-6391
274	Rubber Washer	12447149	5310-01-465-9727
275	Runflat Belt Repair Kit	J-39295	2530-01-338-3056
276	Runflat Belt Repair Kit	528240	4310-01-345-5723
277	Screw, Assembled Lockwasher	5593313	5305-01-254-2459
278	Screw, Assembled Lockwasher	12340515	5305-01-215-5174
278.1	Screw, Assembled Washer	454542	5305-00-499-7694
279	Screw, Insert	12446871-10	5325-01-460-8350
279.1	Screw, Machine	MS51957-64B	5305-01-083-1591
279.2	Screw, Machine	MS35206-245	5305-00-984-6193
280	Screw, Tapping	DR-T10X3/4	5305-01-006-5736
280.1	Seal	6005193	5330-01-456-8823
280.2	Seal	MT161A	5330-01-282-2213
281	Seal	4668948	5330-01-421-4967
282	Seal	8661894	5330-01-468-3604
283	Seal	8661639	5330-01-470-6543
284	Seal	5584836	
285	Seal	24205833	5331-01-477-6762
286	Seal	8671647	5330-01-251-1607
287	Seal	10196040	5330-01-398-3777

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
288	Seal	8654716	5330-01-324-0906
289	Seal	24210605	
290	Seal	CR535094-60	5330-01-203-6551
291	Seal	12342886	5330-01-381-1810
292	Seal	19016	5330-01-413-37
293	Seal	8HB315	3220-01-480-3998
294	Seal, Door	4668918	5330-01-419-4425
295	Seal, Drainplug	27609	5330-01-233-2778
296	Seal, Input	5740017	5330-01-168-3870
297	Seal, Input	534059	5330-01-456-3884
298	Seal, Lockwasher	12338062	5310-01-148-2687
298.1	Seal, Nonmetallic ST	12342343	5330-01-318-1998
299	Seal, Oil Pump	8661602	5330-01-379-1139
300	Seal, Oil Tube	16214	5330-01-358-9541
301	Seal, Output	6009472	5330-01-174-8145
301.1	Seal, Plain	18771	5330-01-358-9532
302	Seal, Pinion	41292	5330-10-174-8146
303	Seal, Poppet Spring	15715	5331-01-358-9545
304	Seal, Rear Output	15896	5330-01-415-9613
305	Seal, Washer	5939517	5330-01-487-7129
306	Seal, Washer	33-00811	5310-01-420-4522
307	Seal, Washer	33-00822	5310-01-419-5091
308	Seal Kit (95-96 only)	24205251	5330-01-442-2874
309	Seal Kit (97-00 only)	24210954	3010-01-480-7597
310	Seal Ring	8661789	5331-01-462-7294
311	Seal Service Kit	7848522	5330-01-044-0703
311.1	Sleeve, Wear	99199	3120-01-424-0735
312	Seat Kit	24206749	5340-01-608-8525
313	Service Brake Caliper Kit	11021	2530-01-179-7511
314	Sheet Metal	QQA250-11	9535-00-541-7194
314.1	Sound Dampener	5591149	2540-01-192-5918
314.2	Socket, Turnbutton Fastener	91-BS-78403-1E	5325-00-281-8642
314.3	Sound Dampener	12339029-1	2540-01-192-9716
314.4	Sound Dampener	12339029-1	2540-01-192-5948
315	Spacer, Collapsible	5579450	5365-01-180-2585
315.1	Spacer Ring	15624	5365-01-358-4642
315.2	Spacer Plate, Hinge	5584436	5365-01-201-4749
315.3	Spacer Plate, 0.063	12339379	5365-01-253-8980
315.4	Spacer Plate	5584299	5365-01-197-9383

Section II. MANDATORY REPLACEMENT PARTS (Cont'd)

(1) ITEM NO	(2) PART NOMENCLATURE	(3) NATIONAL/NATO NUMBER	(4) STOCK NUMBER
316	Spring	2-300.P5	5360-01-282-9316
316.1	Spring	4397100-003	
317	Spring Pin	MS16562-256	5315-00-753-3895
318	Spring Pin	NAS561C4-18	5315-00-559-7467
318.1	Spring Washer	7716721	5310-00-595-7486
319	Spring Washer	4004616	5310-01-189-8485
319.1	Strip, Rubber	12342344	5330-01-318-9780
319.2	Strip, Rubber	12342345	5330-01-317-5393
319.3	Strip, Rubber	12342248	5330-01-317-5392
320	Thrust Washer	30277	3120-01-447-8663
321	Tiedown Strap	MS3367-7-9	5975-00-570-9598
322	Tiedown Strap	MS3367-7	5340-01-205-5379
323	Tiedown Strap	MS3367-3-0	5975-00-985-6630
324	Tiedown Strap	MS3367-1-0	5975-00-984-6582
325	Tiedown Strap	MS3367-5-9	5975-00-111-3208
326	Tiedown Strap	MS3367-3-9	5975-00-451-5001
327	Tiedown Strap	MS3367-7-0	5975-01-034-5871
328	Tiedown Strap	SST1CM-0	5975-00-903-2284
329	Tiedown Strap	MS3367-6-0	5975-01-048-2922
329.1	Tiedown Strap	MS3367-5-0	5975-00-133-8687
329.2	Tiedown Strap	MS3367-1-9	5975-00-071-2507
329.3	Tiedown Strap	4662065-027	
330	Tray, Battery	12338765	6160-01-470-4172
330.1	Turnbutton, Clinch Plate	BS78505	5325-00-371-8108
330.2	Washer, Spring Tension	B0625-022-S	5310-01-203-3230
331	Woodruff Key	106751	5315-01-304-9173
332	Woodruff Key	MS35756-17	5315-00-012-4553

APPENDIX H

WIRING DIAGRAMS AND SCHEMATICS

H-1. GENERAL

Refer to TM 9-2320-387-24-2, Appendix H for Wiring Diagrams and Schematics.

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APPENDIX J

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)

INTRODUCTION

SCOPE

This RPSTL is provided as supplemental information to TM 9-2320-387-24P and lists and authorizes spare and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit, direct support, and general support maintenance of the M1151 and M1152 Expanded Capacity Vehicles (ECV). It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction Work Package, this Repair Parts and Special Tools List is divided into the following work packages:

1. Repair Parts List Work Packages. Work packages containing lists of spare and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in FIG BULK at the end of the work package. Repair parts kits are listed separately in their own functional group and work package. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustration(s)/figure(s).

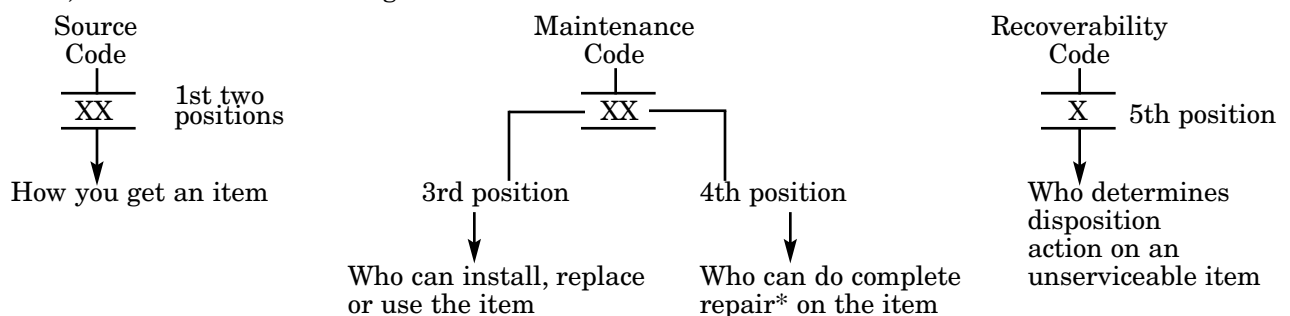
2. Special Tools List Work Packages. Work packages containing lists of special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column). Tools that are components of common tool sets and/or Class VII are not listed.

3. Cross-Reference Indexes Work Packages. There are two cross-reference indexes work packages in this RPSTL: The National Stock Number (NSN) Index work package and the Part Number (P/N) Index work package. The National Stock Number Index work package refers you to the figure and item number appearance. The Part Number Index work package list all part numbers in alphanumeric sequence and refers you to the figure and item number appearance.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

Item No. (Column (1)). Indicates the number used to identify items called out in the illustration.

SMR Code (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



* Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the Repair function in a use/user environment in order to restore serviceability to a failed item.

Source Code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

Code	Explanation
PA	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.
PB	
PC**	
PD	
PE	
PF	** NOTE: Items coded PC are subject to deterioration.
PG	
KD	
KF	
KB	
MO- (Made at Unit Level)	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk material group of the repair parts list in the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
MF- (Made at DS Level)	
MH- (Made at GS Level)	
ML- (Made at Specialized Repair Act (SRA))	
MD- (Made at Depot)	
AO- (Assembled by Unit Level)	Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position code of the SMR code authorized you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.
AF- (Assembled by DS Level)	
AH- (Assembled by GS Level)	
AL- (Assembled by SRA)	
AD- (Assembled by Depot)	
XA-	Do not requisition an XA-coded item. Order its next higher assembly. (Also, refer to the note below.)
XB-	If an XB item is not available from salvage, order it using CAGEC and part number given.
XC-	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
XD-	Item is not stocked. Order an XD-coded item through normal supply channels using the CAGEC and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded XA.

Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

Third Position. The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance.

Code	Application/Explanation
C	– Crew or operator maintenance done within organizational maintenance.
O	– Unit level can remove, replace, and use the item.
F	– Direct support level can remove, replace, and use the item.
H	– General support level can remove, replace, and use the item.
L	– Specialized repair activity can remove, replace, and use the item.
D	– Depot level can remove, replace, and use the item.

Fourth Position. The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions).

NOTE

Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes. This position will contain one of the following maintenance codes.

Code	Application/Explanation
O	– Unit is the lowest level that can do complete repair of the item.
F	– Direct support is the lowest level that can do complete repair of the item.
H	– General support is the lowest level that can do complete repair of the item.
L	– Specialized repair activity (designate the specialized repair activity) is the lowest level that can do complete repair of the item.
D	– Depot is the lowest level that can do complete repair of the item.
Z	– Nonrepairable. No repair is authorized.
B	– No repair is authorized. (No parts or special tools are authorized for the maintenance of a B-coded item.) However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR code as follows:

Recoverability Code	Application/Explanation
Z	– Nonrepairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3rd position of SMR code.
O	– Repairable item. When uneconomically repairable, condemn and dispose of the item at unit level.
F	– Repairable item. When uneconomically repairable, condemn and dispose of the item at the direct support level.
H	– Repairable item. When uneconomically repairable, condemn and dispose of the item at the general support level.
D	– Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.
L	– Repairable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A	– Item requires special handling or condemnation procedures because of specific reasons (e.g.; precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

NSN (Column (3)). The NSN for the item is listed in this column.

CAGEC (Column (4)). The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code is used to identify the manufacturer, distributor, or Government agency/activity, that supplies the item.

Part Number (Column (5)). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items. Part numbers not available (N/A) will be provided as updates to this manual when available.

NOTE

When you use a NSN to requisition an item, the item you receive may have a different part number from the part ordered.

Description and Usable on Code (UOC) (Column (6)). This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) Items that are included in kits and sets are listed below the name of the kit or set.
- (3) Spare/repair parts that make up an assembled item are indented and listed immediately following the assembled item line entry.
- (4) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.
- (5) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).
- (6) The usable on code, when applicable (refer to paragraph 5, Special Information).
- (7) In the Special Tools List section, the Basis of Issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipment supported exceeds density spread indicated in the Basis of Issue, the total authorization is increased proportionately.
- (8) The statement END OF FIGURE appears just below the last item description in column 6 for a given figure in both the repair parts list and special tools list work packages.

QTY (Column (7)). The QTY (quantity per figure column) indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may change from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS

1. National Stock Number (NSN) Index Work Packages.

STOCK NUMBER Column. This column lists the NSN by National Item Identification Number (NIIN)

NSN

sequence. The NIIN consists of the last nine digits of the NSN (i.e., 5305-01-674-1467). When using this column

NIIN

to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts and special tools list work packages.

ITEM Column. The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

2. Part Number (P/N) Index Work Package. Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

CAGEC Column. The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

PART NUMBER Column. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

STOCK NUMBER Column. This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left

FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tool list work packages.

ITEM Column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

SPECIAL INFORMATION

USABLE ON CODE. The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC:" in the Description Column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

Code	Used On	Code	Used On
TTT	M1151	UUU	M1152

Fabrication Instructions. Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part numbers for bulk materials are also referenced in the description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source code to be manufactured or fabricated are found in TM 9-2320-387-24.

Assembly Instruction. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 9-2320-387-24. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

Kits. Line item entries for repair parts kits appear in group 9401 KITS in the repair parts list work packages.

Index Numbers. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the National Stock Number/Part Number Index and the bulk material list in the repair parts list work packages.

Associated Publications. The publications listed below pertain to the M1151 and M1152 Expanded Capacity Vehicles (ECV) and their components:

TM 9-2320-387-10	Operator's Manual
TM 9-2320-387-10HR	Hand Receipt, Operator's Manual
TM 9-2320-387-24	Unit, Direct Support, and General Support Maintenance Manual

Illustrations. Item numbers on illustrations have been assigned in clockwise sequence, starting at the 11 o'clock position (upper left).

BOI. The Basis of Issue (BOI) for the tools listed in section III of this RPSTL is as follows:

Level	Unit Description	BOI
Unit (O)	{ Maintenance unit, section or team (authorized a common tool set)	1
Direct Support (DS)	{ Company/System Support Team (except the following)	1
	{ Motorized Division.Heavy Division	2
	{ Heavy Maintenance Co.	2
	{ Airborne/Assault Division	2
	{ Forward Support Co.	3
	{ Heavy Maintenance Co.	6
	{ Light Infantry Division	0
General Support (GS)	{ Heavy Maintenance Co.	0
	{ Light Maintenance Co.	0
General Support (GS)	{ Maintenance Co.	1
	{ Heavy Equipment Maintenance Co.	2

The NSN's for the Unit, Direct Support, and General Support Special Tool Kit are listed on page G-2 thru G-8, in Section II of the TM 9-2320-387-24-2 manual.

HOW TO LOCATE REPAIR PARTS

When National Stock Number or Part Number is Not Known.

(1) **First.** Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) **Second.** Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) **Third.** Identify the item on the figure and use the Figure and Item Number Index to find the NSN.

When National Stock Number or Part Number is Known.

(1) **First.** Using the Index of National Stock Numbers and Part Numbers, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see 4.a.(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see 4.b.). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) **Second.** After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

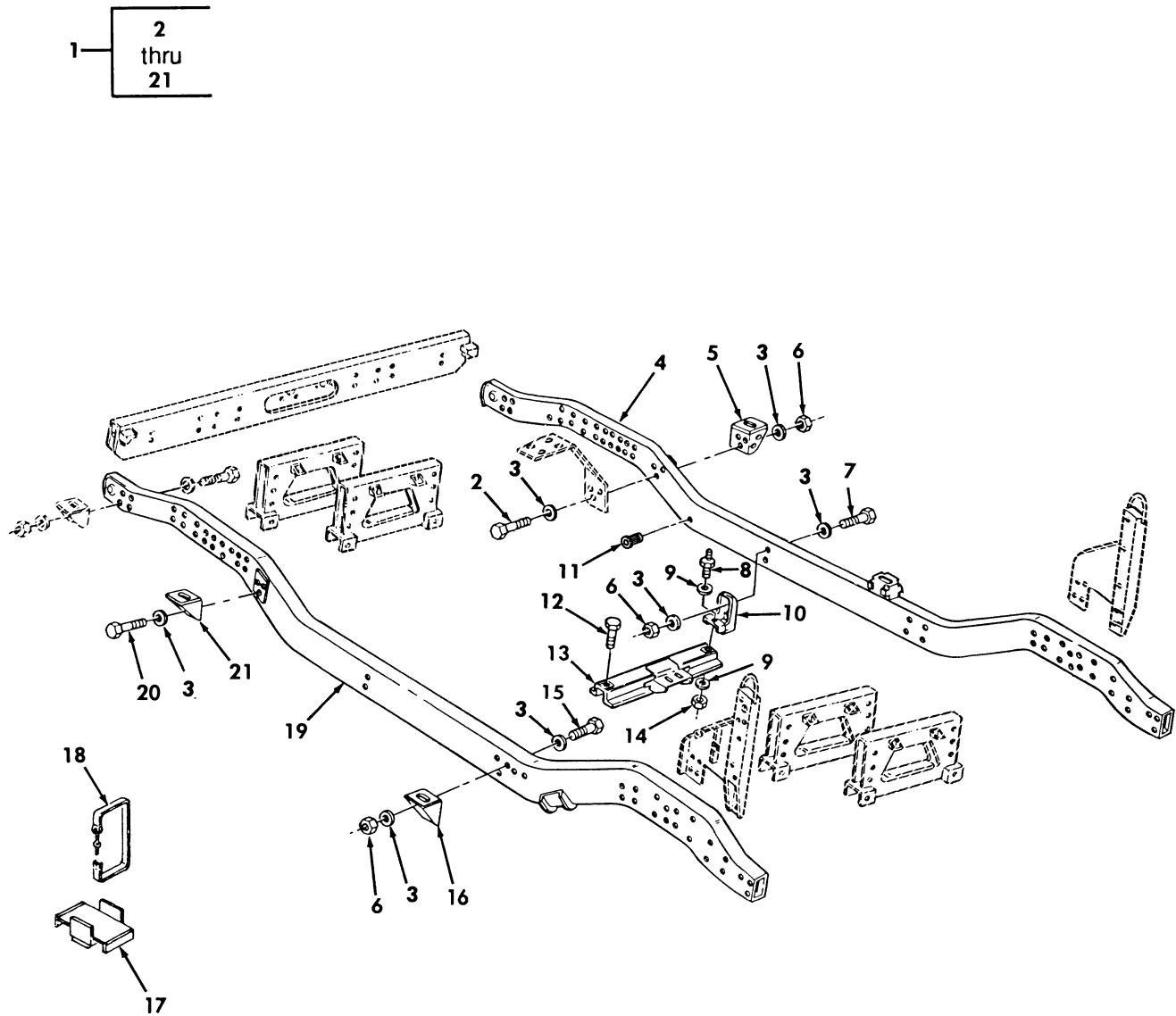


Figure 141. Frame Assembly, Body Mount Brackets, and Transmission Crossmember.

SMI 9-2320-387-14&P-1							0142 00
(1)	(2)	(3)	(4)	(5)	(6)		(7)
ITEM	SMR			PART			
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY	
GROUP 15 FRAME, TOWING ATTACHMENTS, DRAWBARS AND ARTICULATION SYSTEM 1501 FRAME ASSEMBLY							
FIG. 141 FRAME ASSEMBLY, BODY MOUNT BRACKETS, AND TRANSMISSION CROSSMEMBERS							
1	XDHHH		34623	RCSK17197	FRAME ASSEMBLY.....	1	
					UOC:XBB		
1	XDHHH		34623	RCSK17197-1	FRAME ASSEMBLY.....	1	
					UOC:XAA		
2	PAFZZ	5305007122082	80204	B1821BH025C475N	.SCREW, CAP, HEXAGON H 1/2-13 X 4.75.	3	
3	PAFZZ	5310011211703	06032	2310-0143-001	.WASHER, FLAT 1/2.....	27	
4	PBHZZ	2510014624978	34623	5934833B1	.FRAME SECTION, STRUCTURE L.H.....	1	
					UOC:XBB		
4	PBHZZ	2510014329896	34623	5934832B1	.FRAME SECTION, STRUCTURE L.H.....	1	
					UOC:XAA		
4	PBHZZ		34623	5934835	.FRAME SECTION, STRUCTURE L.H.....	1	
					UOC:TTT, UUU		
5	PAHZA	5340014332732	34623	5937960	.BRACKET, MOUNTING L.H.....	1	
6	PAFZZ	5310048838889	96906	MS51943-39	.NUT, SELF-LOCKING, HEAD 1/2-13.....	12	
7	PAFZZ	5305000711783	80204	B1821BH025C425N	SCREW, CAP, HEXAGON H 1/2-13 X 4.25..	1	
8	PAFZZ	5307014503072	19207	12441711	.STUD, SHOULDERED.....	1	
9	PAFZZ	5310000685258	96906	MS27183-10	.WASHER, FLAT 9/16.....	4	
10	PFFZZ	2590011860863	19207	12338185	.BRACKET, VEHICULAR C.....	2	
11	PFFZZ	5325014090211	78276	ATS2-813	.INSERT, SCREW THREAD.....	1	
12	PAFZZ	5305007167680	80204	B1281BH056C150N	.SCREW, CAP HEXAGON H 9/16 12 X 1.50	1	
13	PAFZZ	2510014124969	34623	12447053	.FRAME SECTION, STRUCTURE.....	1	
14	PAFZZ	2510000443342	19204	8712289-5	.NUT, SELF-LOCKING, HEAD.....	2	
15	PAFZZ	5305007122081	80204	B1821BH050C450N	.SCREW, CAP HEXAGON H 1/2-13 X 4.50.	5	
16	PFHZZ	5340014324875	34623	5937399	.BRACKET, MOUNTING R.H.....	1	
17	PFOZZ	5340014338444	6W728	4668360	.BRACKET, MOUNTING.....	8	
					UOC:XBB		
18	PAOZZ	5340014563917	6W728	4668988	.BAND, RETAINING.....	16	
					UOC:XBB		
19	PBHZZ	2510014625010	34623	RCSK17438-1	.FRAME SECTION, STRUCTURE R.H.....	1	
					UOC:XBB		
19	PBHZZ	2510014405301	34623	RCSK17438	.FRAME SECTION, STRUCTURE R.H.....	1	
					UOC:XAA		
19	PBHZZ		34623	5934709	.FRAME SECTION, STRUCTURE R.H.....	1	
					UOC:TTT, UUU		
20	PAFZZ	5305000712067	80204	B1821BH050C125N	.SCREW, CAP, HEXAGON H 1/2-13 X 1.25.	3	
21	PAHZA	5340014332735	34623	5967961	.BRACKET, MOUNTING R.H.....	1	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

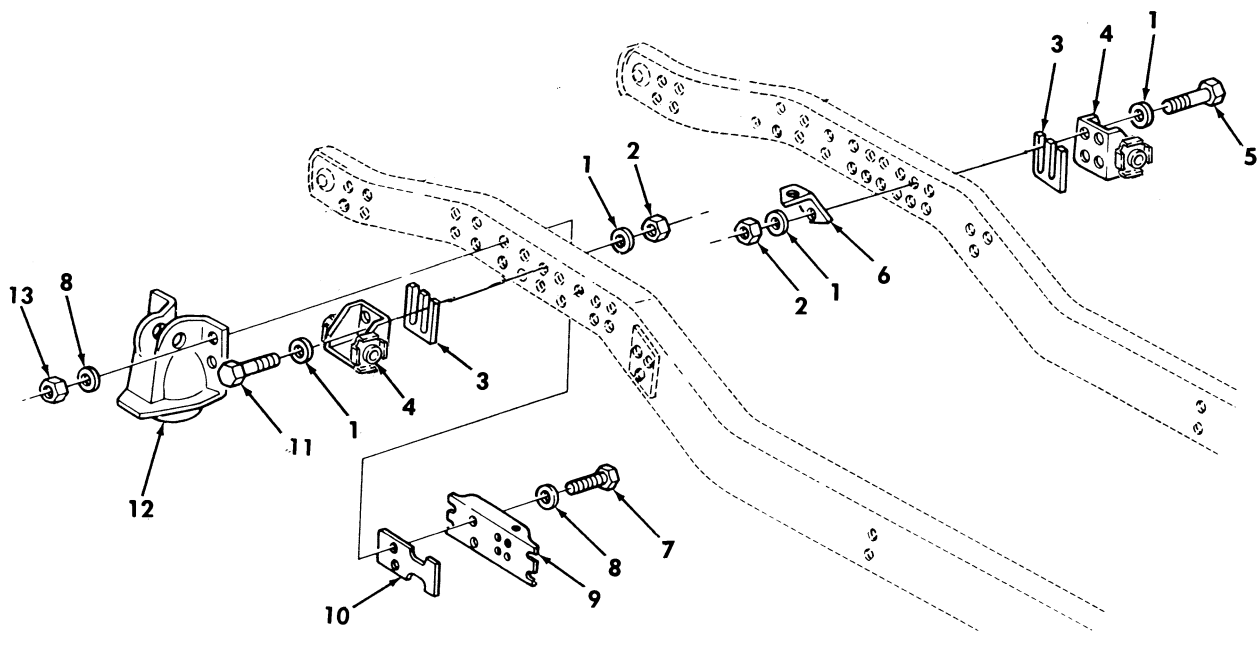


Figure 145. Rear Upper Control Arm Brackets, Spring Seats, Related Parts, and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0146 00 (7) QTY
GROUP 1501 FRAME ASSEMBLY						
FIG. 145 REAR UPPER CONTROL ARM BRACKETS, SPRING SEATS, RELATED PARTS AND MOUNTING HARDWARE						
1	PAFZZ	5310012111703	06032	2310-0143-001	WASHER, FLAT 1/2.....	16
2	PAFZZ	5310004883889	96906	MS51943-39	NUT, SELF-LOCKING, HEAD 1/2-13.....	8
3	PAFZZ	5365012097831	34623	5583219	SPACER, PLATE .125.....	1
3	PAFZZ	5365012097832	19207	12338226-2	SPACER, PLATE .250.....	4
4	PFFZZ	5340014559885	34623	RCSK18517-1B1	BRACKET, MOUNTING UPPER FRONT AND REAR.....	4
5	PAFZZ	53050071111783	80204	B1821BH050C425N	SCREW, CAP HEXAGON H 1/2-13 X 4.25 .	16
5	PAFZZ	5305000712079	80204	B1821BH050C400N	SCREW, CAP HEXAGON H 1/2-13 X 4.00	8
					USE WITH SHIM PACK UP TO .180 THICK..	
6	PFFZZ	5340012097767	19207	12338172	PLATE, MENDING.....	1
7	PAFZZ	5305009474361	80204	B1821BH075C475N	SCREW, CAP HEXAGON H 3/4-10 X 4.75...	8
7	PAFZZ	5305009474360	80204	B1821BH075C450N	SCREW, CAP HEXAGON H 3/4-10 X 4.50..	8
8	PAFZZ	5310012604839	34623	5593312	WASHER, FLAT 3/4.....	16
9	PFFZZ	2510012039883	19207	12338152	FRAME, STRUCTURAL VEHICLE.....	2
10	PFFZZ	2510012106942	34623	12338174	PLATE, REINFORCEMENT.....	2
11	PAFZZ	53050071111783	80204	B1821BH050C425N	SCREW, CAP HEXAGON H 1/2-13 X 4.25..	8
11	PAFZZ	5305007122081	80204	B1821BH050C450N	SCREW, CAP HEXAGON H 1/2-13 X 4.50..	8
12	PFFZZ	2540012035664	19207	12338190	SEAT, SPRING VEHICULAR.....	2
					UOC:XAA	
12	PFFZZ	2530012484873	19207	12338738	ARM, CONTROL, VEHICULAR.....	2
					UOC:TTT, UUU, XBB	
13	PFFZZ	5310004093333	96906	MS51943-45	NUT, SELF-LOCKING, HEAD 3/4-10.....	8

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

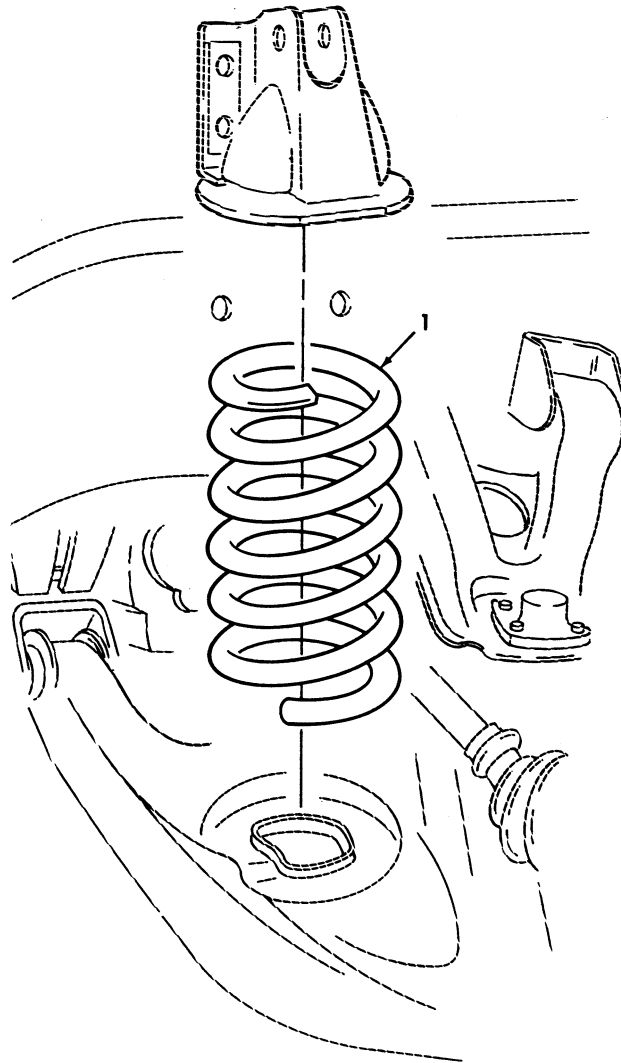


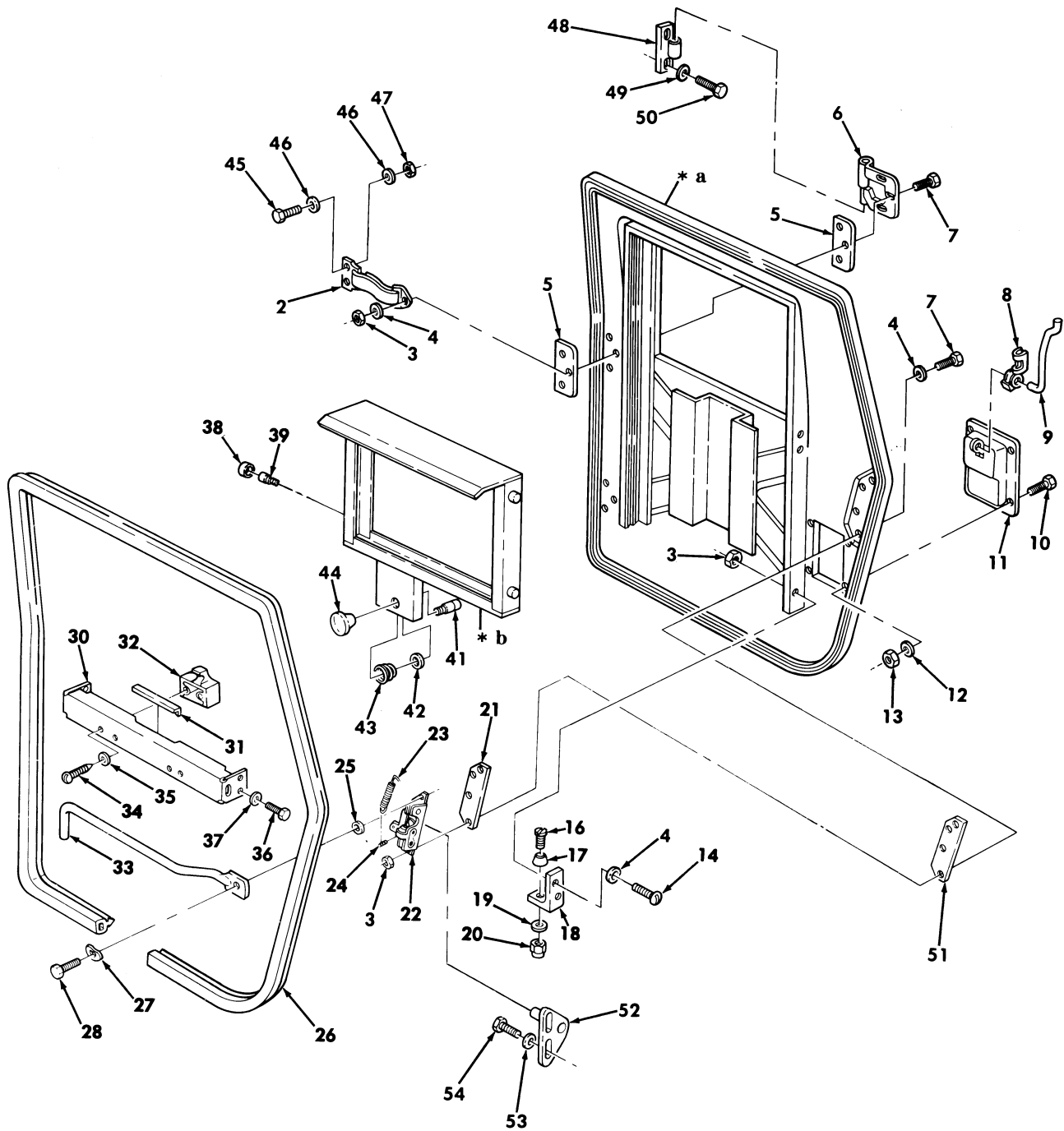
Figure 151. Springs, Front and Rear.

(1)	(2)	(3)	SMI 9-2320-387-14&P-1		(6)	0152 00
ITEM	SMR		(4)	(5)		(7)
NO	CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
					GROUP 16 SPRINGS AND SHOCK ABSORBERS	
					1601 SPRINGS	
					FIG. 151 SPRINGS, FRONT AND REAR	
1	PAOZZ	5360014578018	34623	RCSK18428-2	SPRING, HELICAL, COMP REAR.....	2
					UOC:XBB	
1	PAOZZ	5360014578029	34623	RCSK18428-1	SPRING, HELICAL, COMP FRONT.....	2
					UOC:XBB	
1	PAOZZ	5360011794106	34623	12338316-2	SPRING, HELICAL, COMP FRONT.....	2
					UOC:TTT, UUU, XAA	
1	PAOZZ	5360014324721	34623	RCSK17194-B1	SPRING, HELICAL, COMP REAR.....	2
					UOC:XAA	
1	PAOZZ		34623	RCSK19775	SPRING, HELICAL, COMP REAR.....	2
					UOC:TTT, UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

1	2 thru 44	15	16 thru 20	29	30 thru 35	40	41 thru 44



* a PART OF ITEM 1
* b PART OF ITEM 40

Figure 166A. Crew Door Assembly, Rear, Ballistic.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0167 01 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 166A CREW DOOR ASSEMBLY, REAR, BALLISTIC	
1	PAOFF	2510012541501	19207	12339473-1	DOOR, VEHICULAR BASIC ARMOR, L.H... UOC:TTT	1
1	PAOFF	2510012573904	19207	12349473-2	DOOR, VEHICULAR BASIC ARMOR, R.H... UOC:TTT	1
2	PAOZZ	5340012538971	31272	45262-13	.STRAP, WEBBING UPPER HINGE, L.H... UOC:TTT	1
2	PAOZZ	5340012559918	31272	45262-11	.STRAP, WEBBING UPPER HINGE, L.H... UOC:TTT	1
3	PAOZZ	5310012544284	19207	12339730	.NUT, SELF-LOCKING, HEAD 1/4-20..... UOC:TTT	14
4	PAOZZ	5310012538949	34623	5592926	.WASHER, FLAT 1/4..... UOC:TTT	20
5	PFOZZ	5365012014749	34623	5584436	.SPACER, PLATE INNER AND OUTER..... UOC:TTT	4
6	PFOZZ	5340012012458	34623	5584325	.LEAF, BUTT HINGE LOWER, L.H..... UOC:TTT	1
6	PFOZZ	5340011993498	19207	12339448-1	.HINGE, ACCESS DOOR UPPER, L.H..... UOC:TTT	1
6	PFOZZ	5340011978675	34623	5584867	.LEAF, BUTT HINGE UPPER, R.H..... UOC:TTT	1
6	PFOZZ	5340012019076	34623	12339448-4	.LEAF, BUTT HINGE LOWER, R.H..... UOC:TTT	1
7	PAOZZ	5305004826825	96906	MS35206-345	.SCREW, MACHINE 1/4-20 X 1.38..... UOC:TTT	10
8	PAOZZ	5340011982240	83058	HS99417	.CLIP-CLEVIS, ROD RET L.H..... UOC:TTT	1
8	PAOZZ	5340011982241	83058	HS99338	.CLIP-CLEVIS, ROD RET R.H..... UOC:TTT	1
9	PFOZZ	2540012012356	19207	12339377-1	.HOOK, REAR LATCH L.H..... UOC:TTT	1
9	PFOZZ	2540012012357	19207	12339377-2	.HOOK, REAR LATCH R.H..... UOC:TTT	1
10	PAOZZ	5305009846196	96906	MS35206-248	.SCREW, MACHINE #8-32 X 7/8..... UOC:TTT	4
11	PAOZZ	5340012094870	19220	249	.HANDLE, RECESS..... UOC:TTT	1
12	PAOZZ	5310012538952	34623	5593241	.WASHER, FLAT #8..... UOC:TTT	4
13	PAOZZ	5310011983487	19207	12339728-3	.NUT, SELF-LOCKING, HEAD #8-32..... UOC:TTT	4
14	PAOZZ	5305009881725	96906	MS35206-281	.SCREW, MACHINE 1/4-20 X 3/4..... UOC:TTT	4
15	PAOOO	2510011965316	19207	12339416-1	.STOP ASSEMBLY,WINDOW L.H..... UOC:TTT	2
15	PAOOO	5342011958039	19207	12339416-2	.STOP ASSEMBLY, WINDOW R.H..... UOC:TTT	2
16	PAOZZ	5305009846214	96906	MS35206-267	..SCREW, MACHINE #10-24 X 1.00.....	1

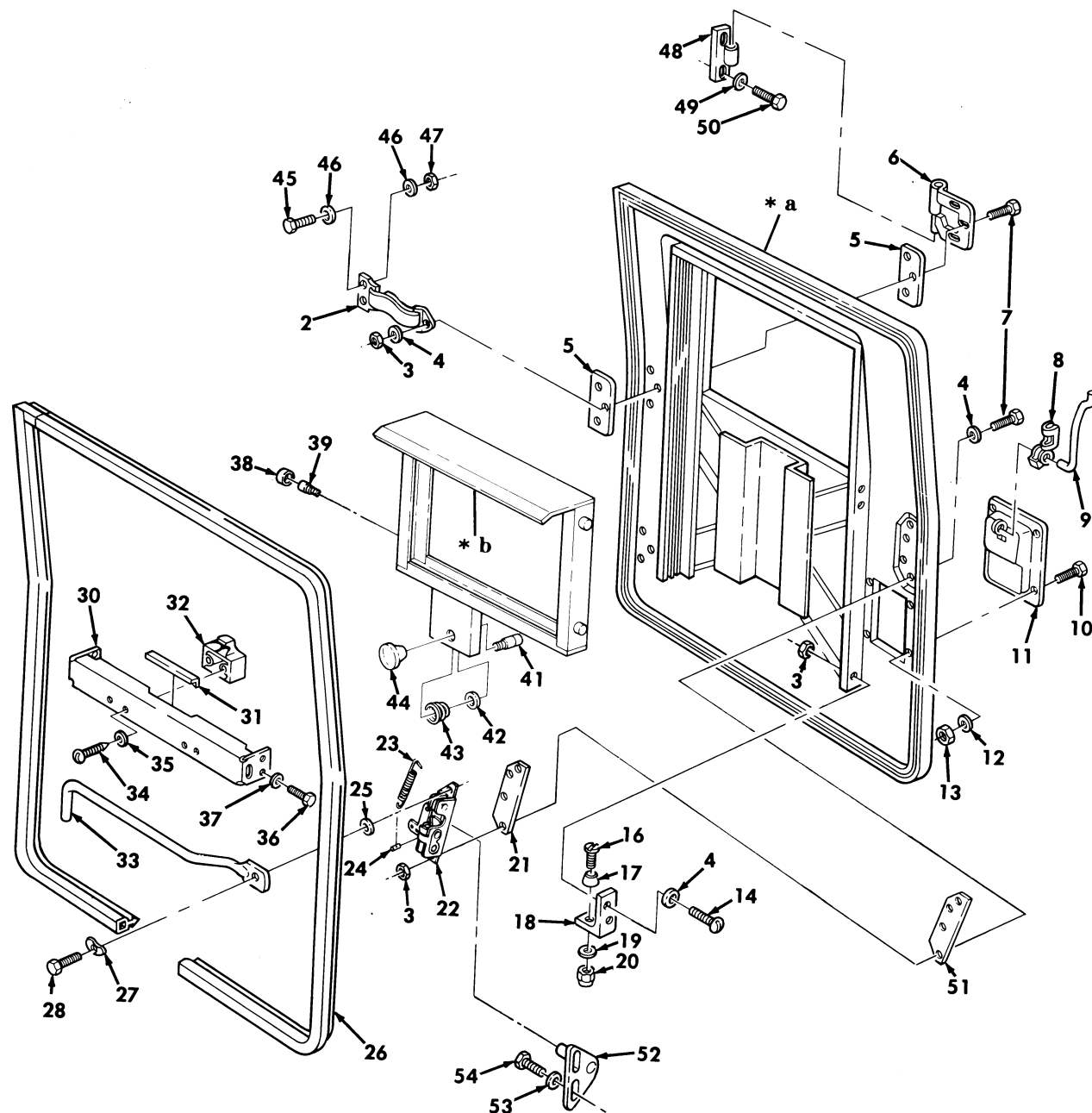
(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0167 01 (7) QTY
17	PAOZZ	5340012038675	76385	ZB-1079M.I.	UOC:TTT ..BUMPER, NONMETALLIC.....	1
18	PFOZZ	5340012030324	34623	5584421	UOC:TTT ..BRACKET, ANGLE L.H.....	1
18	PFOZZ	5340011959107	19207	12339404-2	UOC:TTT ..BRACKET, ANGLE R.H.....	1
19	PAOZZ	5310012538953	34623	5593242	UOC:TTT ..WASHER, FLAT #10.....	1
20	PAOZZ	5310012033217	34623	5584710	UOC:TTT ..NUT, SELF-LOCKING, HEAD #10-24...	1
21	PFOZZ	5365011989383	34623	5584299	UOC:TTT ..SPACER, PLATE.....	1
22	PFOZZ	2540011974900	19220	9-300-U-L	UOC:TTT ..LATCH, DOOR, VEHICULAR R.H.....	1
22	PFOZZ	2540011965317	19220	9-300-U-R	UOC:TTT ..LOCK, DOOR, VEHICULAR L.H.....	1
23	PAOZZ	5360012829316	19220	2-300-P5	UOC:TTT ..SPRING, HELICAL, EXTERIOR.....	1
24	PAOZZ	5315013003012	19220	565698-4	UOC:TTT ..PIN, STRAIGHT, HEADED.....	1
25	PAOZZ	5310000806004	96906	MS27183-14	UOC:TTT ..WASHER, FLAT 3/8.....	1
26	PAOZZ	5330011967969	19207	12339462	UOC:TTT ..SEAL, NONMETALLIC SP.....	1
27	PAOZZ	5310011983428	34623	5584713	UOC:TTT ..WASHER, SPRING, TENSIONER 3/8.....	1
28	PAOZZ	5306012042139	34623	5589067	UOC:TTT ..BOLT, SELF-LOCKING 1/4-20 X 1/2...	1
29	PAOOO	5340011986714	34623	5584260	UOC:TTT ..BRACKET, LATCH ASSEMBLY L.H.....	1
29	PAOOO	2540011977581	34623	5584261	UOC:TTT ..LATCH, DOOR, VEHICULAR R.H.....	1
30	XAOOZ		34623	5588063	UOC:TTT ..BRACKET ASSEMBLY.....	1
31	MOOZZ		34623	5584707	UOC:TTT ..PROTECTOR, EDGE MAKE FROM PAD P/N 12339902-1, 8.90 INCHES LONG.....	1 1
32	PFOZZ	2510011991499	19207	12339450	UOC:TTT ..GUIDE, DOOR LATCH VEHICULAR.....	1
33	PFOZZ	3040011954173	34623	12339451-1	UOC:TTT ..LEVER, REMOTE CONTROL L.H.....	1
33	PFOZZ	3040011961493	34623	12339451-2	UOC:TTT ..LEVER, REMOTE CONTROL R.H.....	1
34	PAOZZ	5305004324205	96906	MS51861-49	UOC:TTT ..SCREW, TAPPING #10-16 X 1.00.....	2
35	PAOZZ	5310012538953	34623	5593242	UOC:TTT ..WASHER, FLAT #10.....	2
36	PAOZZ	5305009846193	96906	MS35206-245	UOC:TTT ..SCREW, MACHINE #10-16 X 1/2.....	4
37	PAOZZ	5310012538952	34623	5593241	UOC:TTT ..WASHER, FLAT #8.....	4
38	PAOZZ	5355012526504	19207	12339380	UOC:TTT ..KNOB.....	4

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0167 01 (7) QTY
39	PAOZZ	5315012042328	34623	5584278	.PIN, SHOULDER HEADLESS.....	4
					UOC:TTT	
40	PAOOO	2510011899748	19207	12339374-2	WINDOW ASSEMBLY, VEHICLE BALLISTIC, REAR 1 DOOR, BASIC ARMOR L.H.....	1
					UOC:TTT	
40	PAOOO	2510011887381	19207	12339374-1	WINDOW ASSEMBLY, VEHICLE BALLISTIC, REAR 1 DOOR, BASIC ARMOR R.H.....	1
					UOC:TTT	
41	PAOZZ	5315012038543	19207	12339726	..PIN, SHOULDER, HEADLESS.....	1
					UOC:TTT	
42	PAOZZ	5325004425845	96906	MS16633-1050	..RING, RETAINING.....	1
					UOC:TTT	
43	PAOZZ	5360011983525	19207	12339369	..SPRING, HELICAL, COMP.....	1
					UOC:TTT	
44	PAOZZ	5355012988571	80813	1-236-005	..KNOB.....	1
					UOC:TTT	
45	PAOZZ	5306002259089	96906	MS90726-34	BOLT, MACHINE 5/16-24 X 1.00.....	4
					UOC:TTT	
46	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 5/16.....	8
					UOC:TTT	
47	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-24....	4
					UOC:TTT	
48	PFOZZ	5342012032822	19207	12338650	MOUNT, RESILIENT A PILLAR, REAR DOOR.	4
					UOC:TTT	
49	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4.....	8
					UOC:TTT	
50	PAOZZ	5306013235535	34623	5585259	BOLT, MACHINE 1/4-20 X 3/4.....	8
					UOC:TTT	
51	PAOZZ	5365012538980	19207	12339379	SPACER, PLATE 0.063.....	2
					UOC:TTT	
52	PAOZZ	5340014211782	19207	12339386	STRIKER, CATCH.....	2
					UOC:TTT	
53	PAOZZ	5310012538949	34623	5592926	WASHER, FLAT 1/4.....	4
					UOC:TTT	
54	PAOZZ	5305000712505	80204	B1821BH025C088N	SCREW, CAP, HEXAGON HEAD 1/4-20 X 7/8.	4
					UOC:TTT	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

1—	2 thru 44	15—	16 thru 20	29—	30 thru 35	40—	41 thru 44



* a PART OF ITEM 1
* b PART OF ITEM 40

Figure 167B. Crew Door Assembly, Front, Ballistic.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0168 02 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 167B CREW DOOR ASSEMBLY, FRONT, BALLISTIC	
1	PAOFF	2510012573903	19207	12339480-1	DOOR, VEHICULAR BASIC ARMOR, L.H... UOC:TTT	1
1	PAOFF	2510012541500	19207	12339480-2	DOOR, VEHICULAR BASIC ARMOR R.H... UOC:TTT	1
2	PAOZZ	5340012538971	31272	45262-13	.STRAP, WEBBING UPPER HINGE, L.H... UOC:TTT	1
2	PAOZZ	5340012559918	31272	45262-11	.STRAP, WEBBING UPPER HINGE, R.H... UOC:TTT	1
3	PAOZZ	5310012544284	19207	12339730	.NUT, SELF-LOCKING, HEAD 1/4-20..... UOC:TTT	14
4	PAOZZ	5310012538949	34623	5592926	.WASHER, FLAT 1/4..... UOC:TTT	20
5	PFOZZ	5365012014749	34623	5584436	.SPACER, PLATE INNER AND OUTER HINGE BASIC ARMOR..... UOC:TTT	4
6	PFOZZ	5340012042458	34623	5584325	.LEAF, BUTT HINGE LOWER, L.H..... UOC:TTT	1
6	PFOZZ	5340011993498	34623	12339448-1	.HINGE, ACCESS DOOR UPPER, L.H..... UOC:TTT	1
6	PFOZZ	5340012019076	34623	12339448-4	.LEAF, BUTT HINGE LOWER, R.H..... UOC:TTT	1
6	PFOZZ	5340011978675	34623	5584867	.LEAF, BUTT HINGE UPPER, R.H..... UOC:TTT	1
7	PAOZZ	5305010524438	96906	MS51957-134	.SCREW, MACHINE 1/4-20 X 1.38..... UOC:TTT	10
8	PAOZZ	5340011982240	83058	HS99417	.CLIP-CLEVIS, ROD RET L.H..... UOC:TTT	1
8	PAOZZ	5340011982241	83058	HS99338	.CLIP-CLEVIS, ROD RET R.H..... UOC:TTT	1
9	PFOZZ	2510011991498	19207	12339378-1	.HOOK, LATCH VEHICULAR L.H..... UOC:TTT	1
9	PFOZZ	5340011974901	19207	12339378-2	.LEVER, LOCK-RELEASE R.H..... UOC:TTT	1
10	PAOZZ	5305009846196	96906	MS35206-248	.SCREW, MACHINE #8-32 X 7/8..... UOC:TTT	4
11	PAOZZ	5340012094870	19220	249	.HANDLE, RECESS FRONT..... UOC:TTT	1
12	PAOZZ	5310012538952	34623	5593241	.WASHER, FLAT #8..... UOC:TTT	4
13	PAOZZ	5310011983487	19207	12339728-3	.NUT, SELF-LOCKING, HEAD #8-32..... UOC:TTT	4
14	PAOZZ	5305009881725	96906	MS35206-281	.SCREW, MACHINE 1/4-20 X 3/4..... UOC:TTT	4
15	PAOOO	2510011965316	19207	12339416-1	.STOP ASSEMBLY, WINDOW L.H..... UOC:TTT	2
15	PAOOO	5342011958039	19207	12339416-2	.STOP ASSEMBLY, WINDOW R.H..... UOC:TTT	2
16	PAOZZ	5305000509233	96906	MS51957-67	..SCREW, MACHINE #10-24 X 1.00.....	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0168 02 (7) QTY
17	PAOZZ	5340012038675	76385	ZB-1079M.I.	UOC:TTT ..BUMPER, NONMETALLIC.....	1
18	PFOZZ	5340012030324	34623	5584421	UOC:TTT ..BRACKET, ANGLE L.H.....	1
18	PFOZZ	5340011959107	19207	12339404-2	UOC:TTT ..BRACKET, ANGLE R.H.....	1
19	PAOZZ	5310012538953	34623	5593242	UOC:TTT ..WASHER, FLAT #10.....	1
20	PAOZZ	5310012033217	34623	5584710	UOC:TTT ..NUT, SELF-LOCKING, HEAD #10-24...	1
21	PFOZZ	5365011979383	34623	5584299	UOC:TTT ..SPACER, PLATE.....	1
22	PAOZZ	2540011974900	19207	12340039-1	UOC:TTT ..LATCH, DOOR, VEHICULAR L.H.....	1
22	PFOZZ	2540011965317	19220	9-300-U-R	UOC:TTT ..LOCK, DOOR, VEHICULAR DOOR ASSEMBLY R.H.....	1
23	PAOZZ	5360012829316	19220	2-300-U-P5	UOC:TTT ..SPRING, HELICAL, EXTERIOR.....	1
24	PAOZZ	5315013003012	19220	56598-4	UOC:TTT ..PIN, STAIGHT, HEADED.....	1
25	PAOZZ	5310000806004	96906	MS27183-14	UOC:TTT ..WASHER, FLAT 3/8.....	1
26	PAOZZ	5330011988789	19207	12339463-1	UOC:TTT ..SEAL, NONMETALLIC SP L.H.....	1
26	PAOZZ	5330011967968	19207	12339463-2	UOC:TTT ..SEAL, NONMETALLIC SP R.H.....	1
27	PAOZZ	5310011983428	34623	5584713	UOC:TTT ..WASHER, SPRINT TENSIONER 3/8.....	1
28	PAOZZ	5306012042139	34623	5589067	UOC:TTT ..BOLT, SELF-LOCKING 1/4-20 X 1/2...	1
29	PAOOO	2540011995812	34623	12339454-1	UOC:TTT ..LATCH, DOOR, VEHICULAR L.H.....	1
29	PAOOO	5340011987580	34623	5584259	UOC:TTT ..BRACKET, MOUNTING R.H.....	1
30	XAOZZ		34623	5588063	UOC:TTT ..BRACKET ASSEMBLY.....	1
31	MOOZZ		34623	5584707	UOC:TTT ..PROTECTOR, EDGE MAKE FROM PAD, P/N 12339902-1, 8.90 INCHES LONG.....	1
32	PFOZZ	2510011991499	19207	12339450	UOC:TTT ..GUIDE, DOOR LATCH VEHICULAR.....	1
33	PFOZZ	3040012001015	19207	12339452-1	UOC:TTT ..LEVER, REMOTE CONTROL L.H.....	1
33	PFOZZ	2510012113229	34623	5584264	UOC:TTT ..ARM, DOOR LATCH, VEHICULAR R.H...	1
34	PAOZZ	5305004324205	96906	MS 51861-49	UOC:TTT ..SCREW, TAPPING #10-16 X 1.00.....	2
35	PAOZZ	5310012535983	34623	5593242	UOC:TTT ..WASHER, FLAT #10.....	2
36	PAOZZ	5305009846193	96906	MS35206-245	UOC:TTT ..SCREW, MACHINE #8-32 X 1/2.....	4

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0168 02 (7) QTY
37	PAOZZ	5310012538952	34623	5593241	.WASHER, FLAT #8.....	4
					UOC:TTT	
38	PAOZZ	5355012526504	19207	12339380	.KNOB.....	4
					UOC:TTT	
39	PAOZZ	5315012042328	34623	5584278	.PIN, SHOULDER, HEADLESS.....	4
					UOC:TTT	
40	PAOOO	2510011899748	19207	12339374-2	.WINDOW ASSEMBLY, VEHICLE BALLISTIC FRONT DOOR, BASIC, L.H.....	1
					UOC:TTT	
40	PAOOO	2510011887381	19207	12339374-1	.WINDOW ASSEMBLY, VEHICLE BALLISTIC FRONT DOOR, BASIC R.H.....	1
					UOC:TTT	
41	PAOZZ	5315012038543	19207	12339726	..PIN, SHOULDER, HEADLESS.....	1
					UOC:TTT	
42	PAOZZ	5325004428545	96906	MS16633-1050	..RING, RETAINING.....	1
					UOC:TTT	
43	PFOZZ	5360011983525	19207	12339369	..SPRING, HELICAL, COMP.....	1
					UOC:TTT	
44	PAOZZ	5355012988571	80813	1-236-005	..KNOB.....	1
					UOC:TTT	
45	PAOZZ	5306002259089	96906	MS90726-34	BOLT, MACHINE 5/16-24 X 1.00.....	4
					UOC:TTT	
46	PAFZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 5/16.....	8
					UOC:TTT	
47	PAFZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 1/4-20.....	4
					UOC:TTT	
48	PFOZZ	5342012032822	19207	12338650	MOUNT, RESILIENT.....	4
					UOC:TTT	
49	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4.....	8
					UOC:TTT	
50	PAOZZ	5306013235535	19207	12340352-1	BOLT, MACHINE 1/4-20 X 3/4.....	8
					UOC:TTT	
51	PAOZZ	5365012538980	19207	12339379	SPACER, PLATE 0.063.....	2
					UOC:TTT	
52	PFOZZ	5340012111645	34623	5584294	LATCH, RIM.....	2
					UOC:TTT	
53	PAOZZ	5310012538949	34623	5592926	WASHER, FLAT 1/4.....	4
					UOC:TTT	
54	PAOZZ	5305000712505	80204	B1821BH025C088N	SCREW, CAP, HEXAGON HEAD 1/4-20 X 7/8.4	4
					UOC:TTT	

END OF FIGURE

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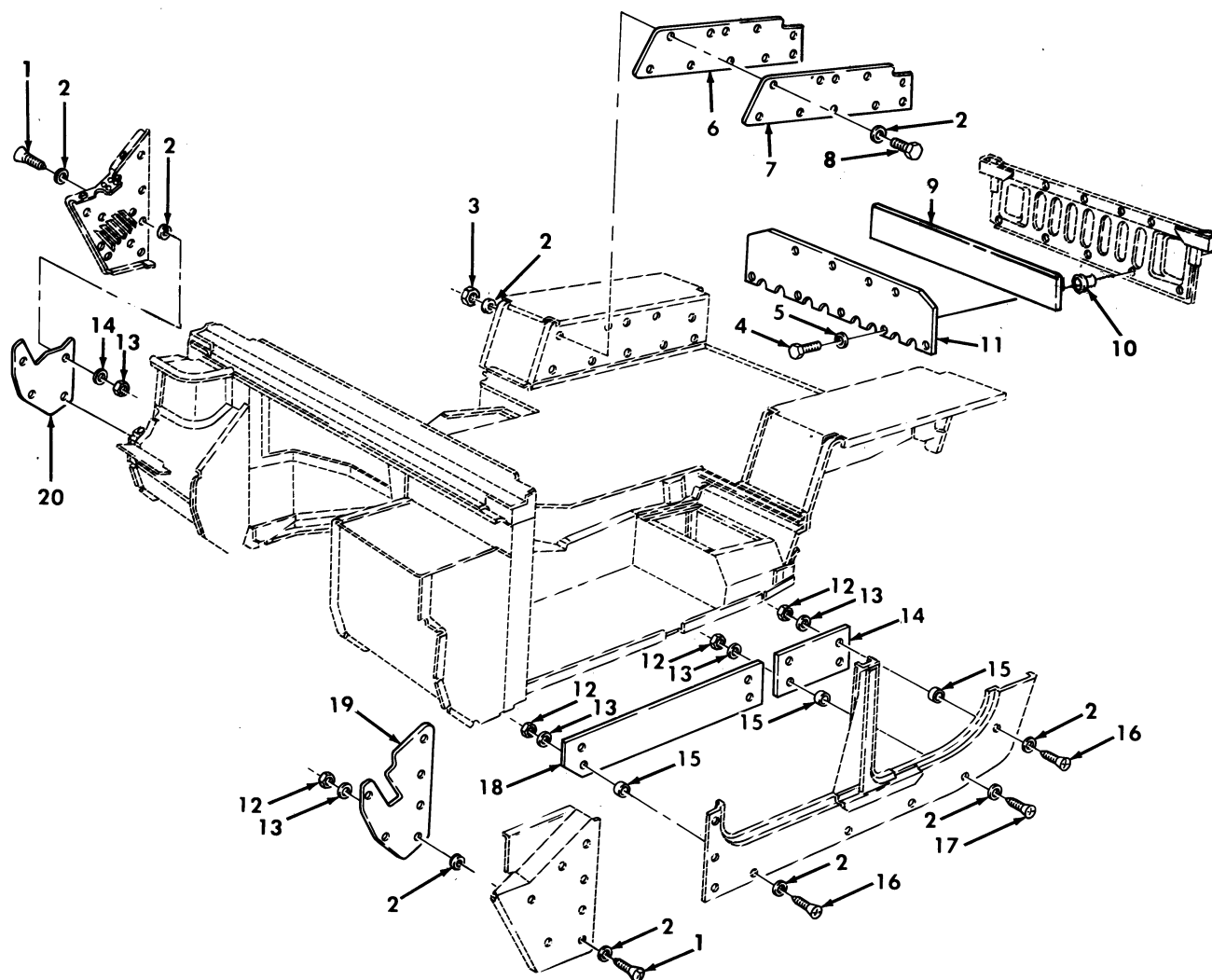


Figure 189A. Body Armor Panels and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0190 01 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 189A BODY ARMOR PANELS AND MOUNTING HARDWARE	
1	PAOZZ	5305009881725	96906	MS35206-281	SCREW, MACHINE 1/4-20 X .75.....	11
					UOC:TTT	
2	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4.....	74
					UOC:TTT	
3	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20.....	45
					UOC:TTT	
4	PAOZZ	5305002253843	80204	B1821BH025C100N	SCREW, CAP, HEXAGON H 1/4-20 X 1.00	9
					UOC:TTT	
5	PAOZZ	5310002855965	96906	MS35338-44	WASHER, LOCK 1/4.....	9
					UOC:TTT	
6	PFOZZ	2540011929716	34623	12339029-1	DAMPENER, SOUND, VEHICULAR.....	2
					UOC:TTT	
7	PFOZZ	2510014110653	19207	12446913-1	LINER, VEHICULAR FEN.....	2
					UOC:TTT	
8	PAOZZ	5305000680502	96906	MS90725-6	SCREW, CAP, HEXAGON H 1/4-20 X 3/4..	20
					UOC:TTT	
9	PFOZZ	2540011925948	34623	12339029-2	DAMPENER, SOUND, TAIL.....	1
					UOC:TTT	
10	PAOZZ	4931012028692	19207	12339998-13	PLUSNUT 1/4-20.....	9
					UOC:TTT	
11	PFOZZ	9515011899721	19207	12339232-1	ARMOR PLATE.....	1
					UOC:TTT	
12	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20.....	27
					UOC:TTT	
13	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4.....	27
					UOC:TTT	
14	PFOZZ	9515011853109	34623	5579295	ARMOR PLATE.....	2
					UOC:TTT	
15	PFOZZ	5365011940761	34623	5579297	SPACER, SLEEVE.....	16
					UOC:TTT	
16	PAOZZ	5305009881170	96906	MS35206-284	SCREW, MACHINE 1/4-20 X 1.25.....	12
					UOC:TTT	
17	PAOZZ	5305000711318	96906	MS51957-83	SCREW, MACHINE 1/4-20 X 1.25.....	4
					UOC:TTT	
18	PFOZZ	5340011963297	19207	12340688-1	PLATE, MENDING R.H.....	1
					UOC:TTT	
18	PFOZZ	9515011853110	19207	12340689-1	ARMOR PLATE.....	1
					UOC:TTT	
19	PFOZZ	9515011853119	34623	5574879	ARMOR PLATE.....	1
					UOC:TTT	
20	PFOZZ	9515011863111	19207	12340693-1	ARMOR PLATE R.H.....	1
					UOC:TTT	

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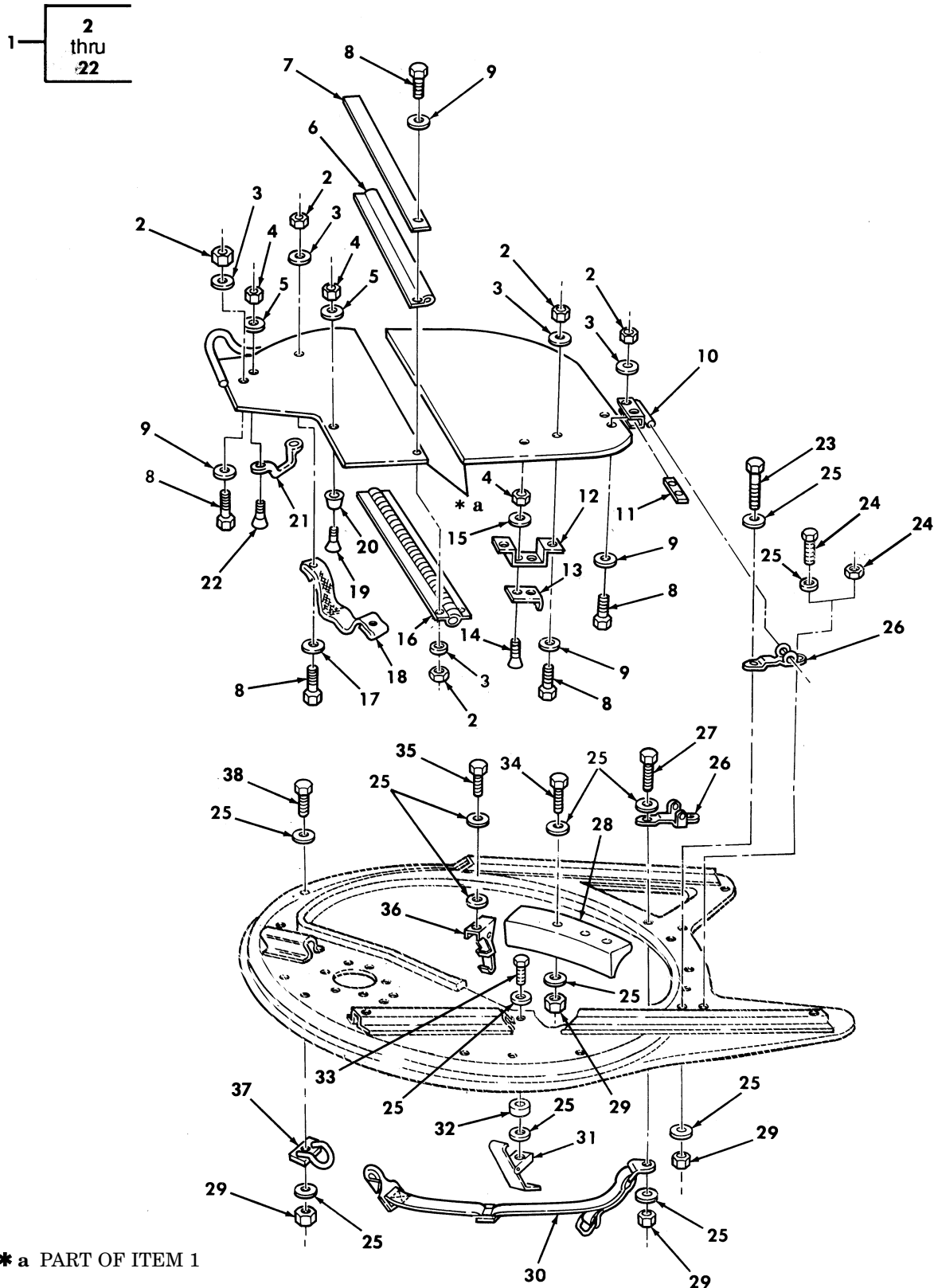


Figure 196A. Weapon Station Hatch Assembly, Latch, Gunner's Sling, and Related Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0197 01 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 196A WEAPON STATION HATCH ASSEMBLY, LATCH, GUNNER'S SLING, AND RELATED COMPONENTS	
1	PAOZZ	2510012491586	19207	12340347	DOOR, HATCH, VEHICLE.....	1
					UOC:TTT	
2	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20.....	27
					UOC:TTT	
3	PAOZZ	5310008094058	96906	MS27183-10	.WASHER, FLAT 1/4.....	27
					UOC:TTT	
4	PAOZZ	5310002081918	72962	SN-104NM-22	.NUT, SELF-LOCKING, HEAD #10-24.....	12
					UOC:TTT	
5	PAOZZ	5310012538951	34623	5593294	.WASHER, FLAT #10.....	8
					UOC:TTT	
6	PAOZZ	5330012584664	34623	5595531	.SEAL, NONMETALLIC SP.....	1
					UOC:TTT	
7	PFOZZ	2590012589491	19207	12340123	.MOLDING, METAL.....	1
					UOC:TTT	
8	PAOZZ	5305003900524	96906	MS51849-98	.SCREW, MACHINE 1/4-20 X 1.00.....	27
					UOC:TTT	
9	PAOZZ	5310011023270	24617	2436161	.WASHER, FLAT 1/4.....	25
					UOC:TTT	
10	PAOZZ	2510012532839	19207	12340126	.HINGE, DOOR VEHICULAR.....	2
					UOC:TTT	
11	PFOZZ	5365012538975	19207	12340098	.SPACER, RING.....	2
					UOC:TTT	
12	PFOZZ	5340012538377	19207	12340124	.BRACKET, MULTIPLE AN.....	1
					UOC:TTT	
13	PFOZZ	5340012116288	19207	12340096	.STRIKER, CATCH.....	2
					UOC:TTT	
14	PAOZZ	5305011981621	7X677	156971	.SCREW, MACHINE.....	2
					UOC:TTT	
15	PAOZZ	5310000145850	96906	MS27183-42	.WASHER, FLAT #10.....	4
					UOC:TTT	
16	PAOZZ	2510012541056	19207	12340091	.HINGE, DOOR VEHICULAR.....	1
					UOC:TTT	
17	PAOZZ	5310012520513	34623	5592916	.WASHER, FLAT 1/4.....	2
					UOC:TTT	
18	PAOZZ	5340012564656	31272	45057-10	.STRAP, WEBBING.....	1
					UOC:TTT	
19	PAOZZ	5305009846214	96906	MS35206-267	.SCREW, MACHINE #10-24 X 1.00.....	2
					UOC:TTT	
20	PAOZZ	5340012038675	76385	ZB-1079M.I.	.BUMPER, NONMETALLIC.....	2
					UOC:TTT	
21	PAOZZ	5340011993499	34623	5582439	.HANDLE, BOW.....	3
					UOC:TTT	
22	PAOZZ	5305012542452	34623	5593286	.SCREW, MACHINE #10-24 X 1.00.....	6
					UOC:TTT	
23	PAOZZ	5305007813926	80204	B1821BH038C275N	SCREW, CAP, HEXAGON H 3/8-16 X 2.75	1
					UOC:TTT	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0197 01 (7) QTY
24	PAOZZ	5310008140672	96906	MS51943-36	NUT, SELF-LOCKING, HEAD 3/8-24..... UOC:TTT	2
25	PAOZZ	5310000806004	96906	MS27183-14	WASHER, FLAT 3/8..... UOC:TTT	20
26	PFOZZ	3040011978727	19207	12446767	BRACKET, EYE, ROTATING..... UOC:TTT	2
27	PAOZZ	5305008465703	80204	B1821BH038C300N	SCREW, CAP, HEXAGON H 3/8-16 X 3.00 UOC:TTT	1
28	PAOZZ	2590012047836	19207	12340313	PAD, CUSHIONING..... UOC:TTT	2
29	PAOZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16..... UOC:TTT	7
30	PAOZZ	5340011994989	31272	44888	STRAP, WEBBING..... UOC:TTT	1
31	PAOZZ	5340014342864	31272	12340648	LATCH, RIM RIGHT..... UOC:TTT	1
32	PAOZZ	5365012120144	34623	5591575	SPACER, PLATE..... UOC:TTT	1
33	PAOZZ	5305000680511	80204	B1821BH038C125N	SCREW, CAP, HEXAGON H 3/8-16 X 1.25 UOC:TTT	1
34	PAOZZ	5305005432866	80204	B1821BH038C250N	SCREW, CAP, HEXAGON H 3/8-16 X 2.50 UOC:TTT	4
35	PAOZZ	5305007813926	80204	B1821BH038C275N	SCREW, CAP, HEXAGON H 3/8-16 X 2.75 UOC:TTT	2
36	PAOZZ	5340012042543	31272	45307-10	CATCH, CLAMPING LEFT..... UOC:TTT	2
37	PFOZZ	2590011974899	19207	12340293	HOOK, GUNNER SLING..... UOC:TTT	1
38	PAOZZ	5305007813926	80204	B1821BH038C275N	SCREW, CAP, HEXAGON H 3/8-16 X 2.75 UOC:TTT	1

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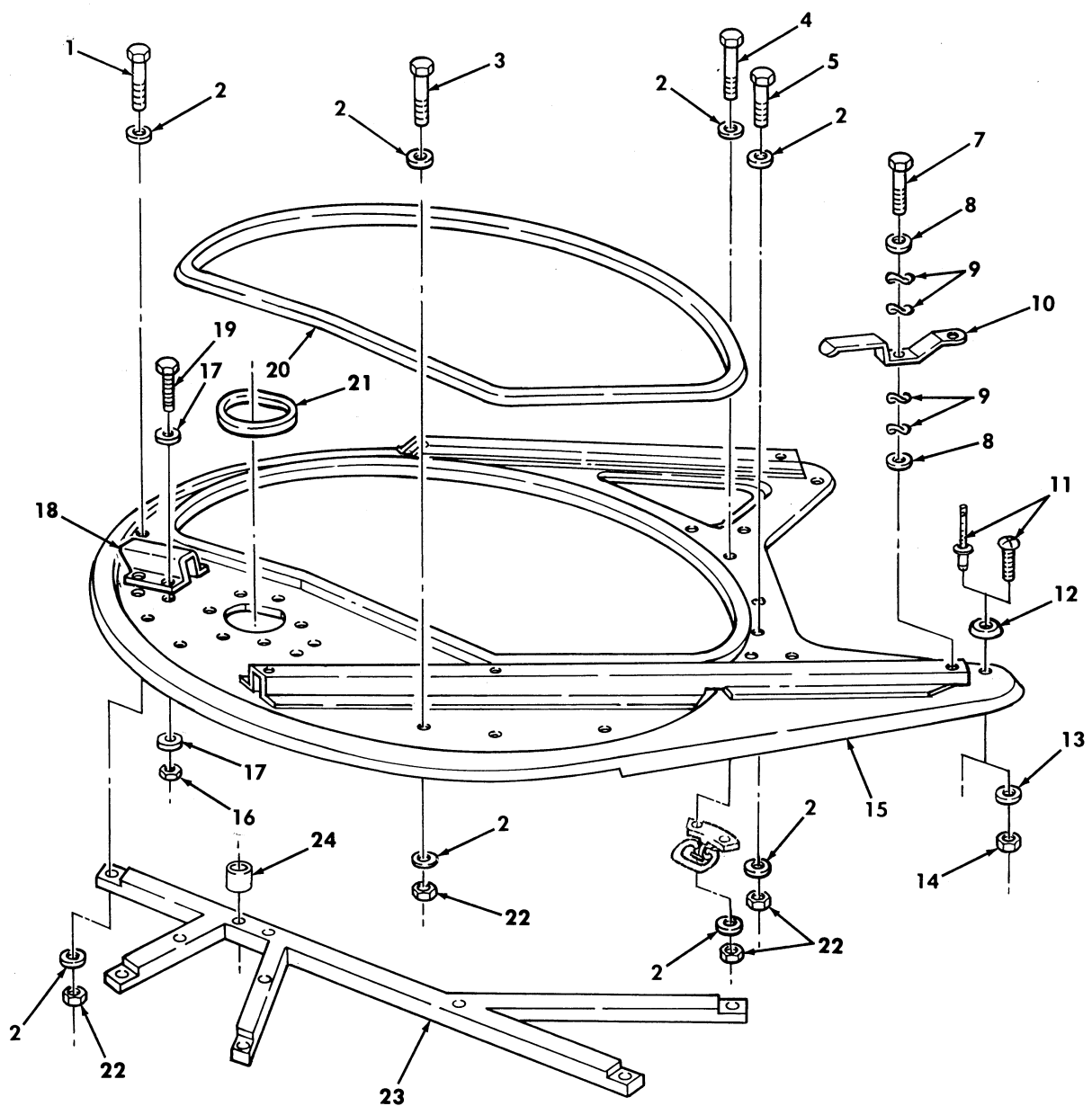


Figure 196B. Weapon Station Tray Assembly, Reinforcement Tube, and Related Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0197 02 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 196B WEAPON STATION TRAY ASSEMBLY, REINFORCEMENT TUBE, AND RELATED COMPONENTS	
1	PAOZZ	5305009908632	80204	B1821BH038C375N	SCREW, CAP, HEXAGON H 3/8-16 X 3.75 UOC:TTT	1
2	PAOZZ	5310000806004	96906	MS27183-14	WASHER, FLAT 3/8..... UOC:TTT	8
3	PAOZZ	5305007252317	80204	B1821BH038C150N	SCREW, CAP, HEXAGON H 3/8-16 X 1.50 UOC:TTT	1
4	PAOZZ	5305007813926	80204	B1821BH038C275N	SCREW, CAP, HEXAGON H 3/8-16 X 2.75 UOC:TTT	2
5	PAOZZ	5305005432866	80204	B1821BH038C250N	SCREW, CAP, HEXAGON H 3/8-16 X 2.50 UOC:TTT	1
6	PAOZZ	2590011899734	19207	12340346	TRAY, WEAPON, VEHICULAR..... UOC:TTT	1
7	PAOZZ	5306002264826	80204	B1821BH031C088N	.BOLT, MACHINE 5/16-18 X 7/8..... UOC:TTT	2
8	PAOZZ	5310000814219	96906	MS27183-12	.WASHER, FLAT 5/16..... UOC:TTT	4
9	PAOZZ	5310012033230	73821	B0625-022-S	.WASHER, SPRING TENSIONER 5/16..... UOC:TTT	8
10	PAOZZ	3040011987473	19207	12340111	.LEVER, MANUAL CONTROL..... UOC:TTT	2
11	PAOZZ	5305009846194	96906	MS35206-246	.SCREW, MACHINE #8-32 X 5/8..... UOC:TTT	2
12	PAOZZ	5340005655378	70485	698W	.BUMPER, NONMETALLIC..... UOC:TTT	2
13	PAOZZ	5310012531618	96906	MS51412-18	.WASHER, FLAT #8..... UOC:TTT	2
14	PAOZZ	5310008071466	96906	MS21042-08	.NUT, SELF-LOCKING, EX #8-32..... UOC:TTT	2
15	XAOZZ		19207	12340336	.TRAY ASSEMBLY, WEAPON..... UOC:TTT	1
16	PAOZZ	5310002416658	96906	MS51943-34	.NUT, SELF-LOCKING, HEAD 5/16-24... UOC:TTT	4
17	PAOZZ	5310000814219	96906	MS27183-12	.WASHER, FLAT 5/16..... UOC:TTT	8
18	PAOZZ	5340014571778	19207	12446730	.HANDLE, BOW..... UOC:TTT	1
19	PAOZZ	5306002264824	80204	B1821BH031C063N	.BOLT, MACHINE 5/16-18 X .625..... UOC:TTT	4
20	PAOZZ	5330012028360	06968	1301	.SEAL, NONMETALLIC SP..... UOC:TTT	1
21	PAOZZ	5330012058607	19207	123401103-2	TRIM, EDGE 15.39-15.65 INCHES LONG. UOC:TTT	1
22	PAOZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16..... UOC:TTT	4
23	PAOZZ	4710011899727	19207	12340337	TUBE ASSEMBLY, WEAPON..... UOC:TTT	1

SMI 9-2320-387-14&P-1

0197 02

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
24	PAOZZ	5365014578947	19207	12460208	SPACER, SPECIAL SHAPE..... UOC:TTT	5

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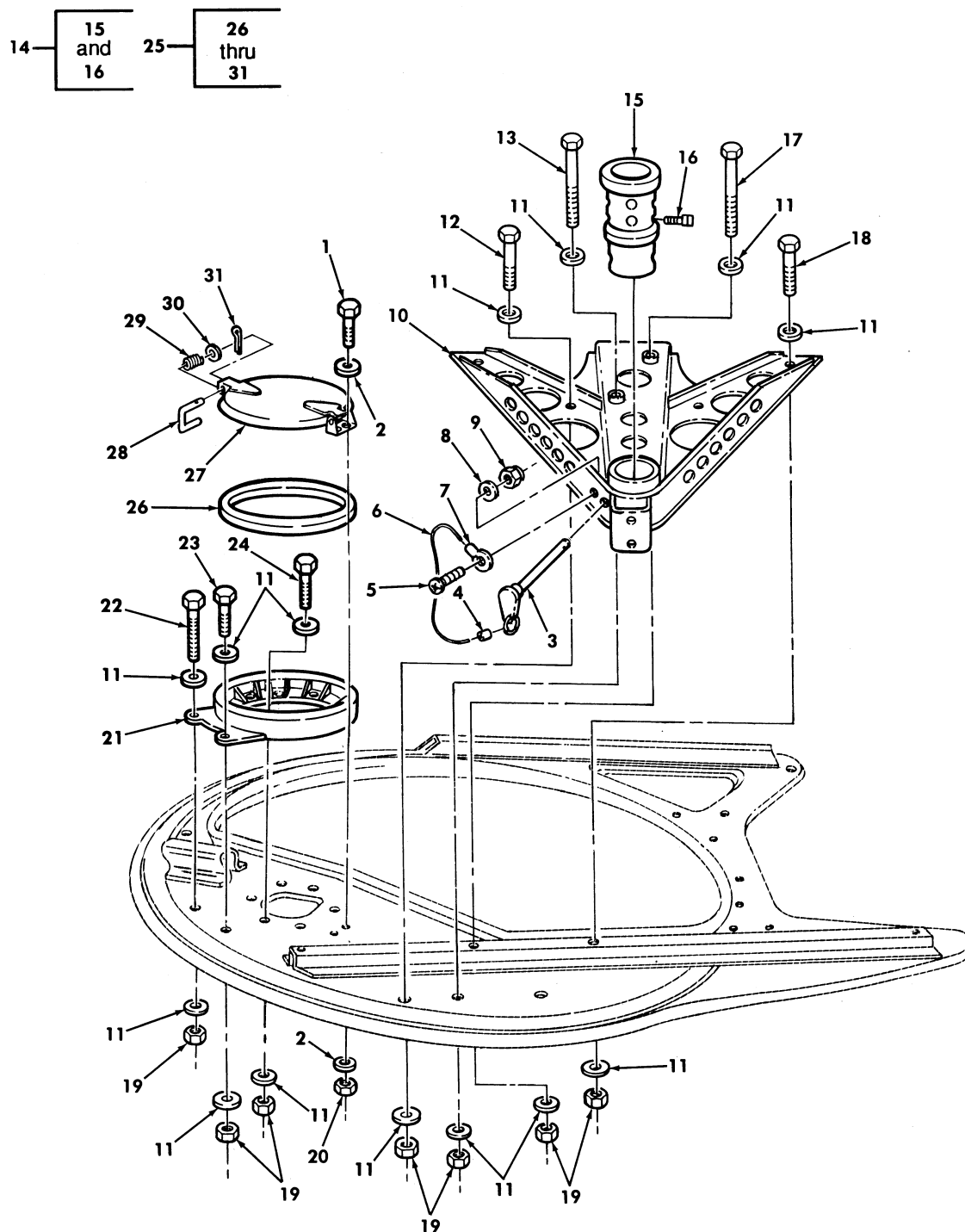


Figure 196C. Armament Pintle and Panel Assemblies, and Related Parts.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0197 03 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 196C ARMAMENT PINTLE AND PANEL ASSEMBLIES, AND RELATED PARTS	
1	PAOZZ	5305000687837	80204	B1821BH025C063N	SCREW, CAP, HEXAGON H 1/4-20 X 5/8. UOC:TTT	4
2	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4..... UOC:TTT	4
3	PAOOO	5315001502793	96906	MS17986-C840	PIN, QUICK RELEASE..... UOC:TTT	1
4	PAOZZ	4030011420456	96906	MS51844-63	SWAGING SLEEVE, WIRE..... UOC:TTT	1
5	PAOZZ	5305007542137	24617	159658	SCREW, MACHINE #8-32 X 3/4..... UOC:TTT	1
6	MOOZZ		81349	MIL-W-83420/14	ROPE, WIRE MAKE FROM ROPE, WIRE, P/N MIL-W-83420/2-002,14 INCHES LONG.... UOC:TTT	1
7	PAOZZ	4030001329181	96906	MS20668-4	TERMINAL, WIRE ROPE..... UOC:TTT	1
8	PAOZZ	5310012531618	96906	MS51412-18	WASHER, FLAT #8..... UOC:TTT	1
9	PAOZZ	5310008071466	96906	MS21042-08	NUT, SELF-LOCKING, HEAD #8-32..... UOC:TTT	1
10	PAOZZ	2590011887386	19207	12460206	PANEL ASSEMBLY, ARMAMENT..... UOC:TTT	1
11	PAOZZ	5310012057923	34623	5593213	WASHER, FLAT 3/8..... UOC:TTT	28
12	PAOZZ	5305008576886	80204	B1821BH038C450N	SCREW, CAP, HEXAGON H 3/8-16 X 4.50 UOC:TTT	1
13	PAOZZ		80204	B1821BH038C700N	SCREW, CAP, HEXAGON H 3/8-16 X 7.00 UOC:TTT	1
14	PAOZZ	3120011885082	19207	12340310	BEARING, SLEEVE..... UOC:TTT	1
15	XAOZZ		19207	12340310-1	.ADAPTER, PINTLE..... UOC:TTT	1
16	PAOZZ	5305012044190	7X677	9428747	.SETSCREW 3/8-24..... UOC:TTT	1
17	PFOZZ		80204	B1821BH038C750N	SCREW, CAP, HEXAGON H 3/8-16 X 7.50 UOC:TTT	1
18	PAOZZ	5305014581670	80204	B1821BH038C550N	SCREW, CAP, HEXAGON H 3/8-16 X 5.50 UOC:TTT	3
19	PAOZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16..... UOC:TTT	14
20	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20..... UOC:TTT	2
21	PAOZZ	2590011899736	19207	12339679-1	PEDESTAL ASSEMBLY, T..... UOC:TTT	1
22	PAOZZ	5305009908632	80204	B1821BH038C375N	SCREW, CAP, HEXAGON H 3/8-16 X 3.75 UOC:TTT	5
23	PAOZZ	5305005432866	80204	B1821BH038C250N	SCREW, CAP, HEXAGON H 3/8-16 X 2.50 UOC:TTT	1
24	PAOZZ	5305000680510	80204	B1821BH038C100N	SCREW, CAP, HEXAGON H 3/8-16 X 1.00	2

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0197 03 (7) QTY
25	PAOZZ	2510011899828	19207	12340311	UOC:TTT DOOR, HATCH, VEHICLE.....	1
26	PAOZZ	5330012701353	19207	12340117	UOC:TTT .SEAL.....	1
27	PAOZZ	2510013102324	34623	5582436	UOC:TTT .COVER.....	1
28	PAOZZ	2510012573747	19207	12340104	UOC:TTT .ROD, HOOD, VEHICULAR.....	1
29	PAOZZ	5360009028068	96906	MS24585-281	UOC:TTT .SPRING, HELICAL, COM.....	1
30	PAOZZ	5310011023270	24617	2436161	UOC:TTT, .WASHER, FLAT 1/4.....	1
31	PAOZZ	5315008392326	96906	MS24665-281	UOC:TTT .PIN, COTTER 3/32 X 1/2.....	1

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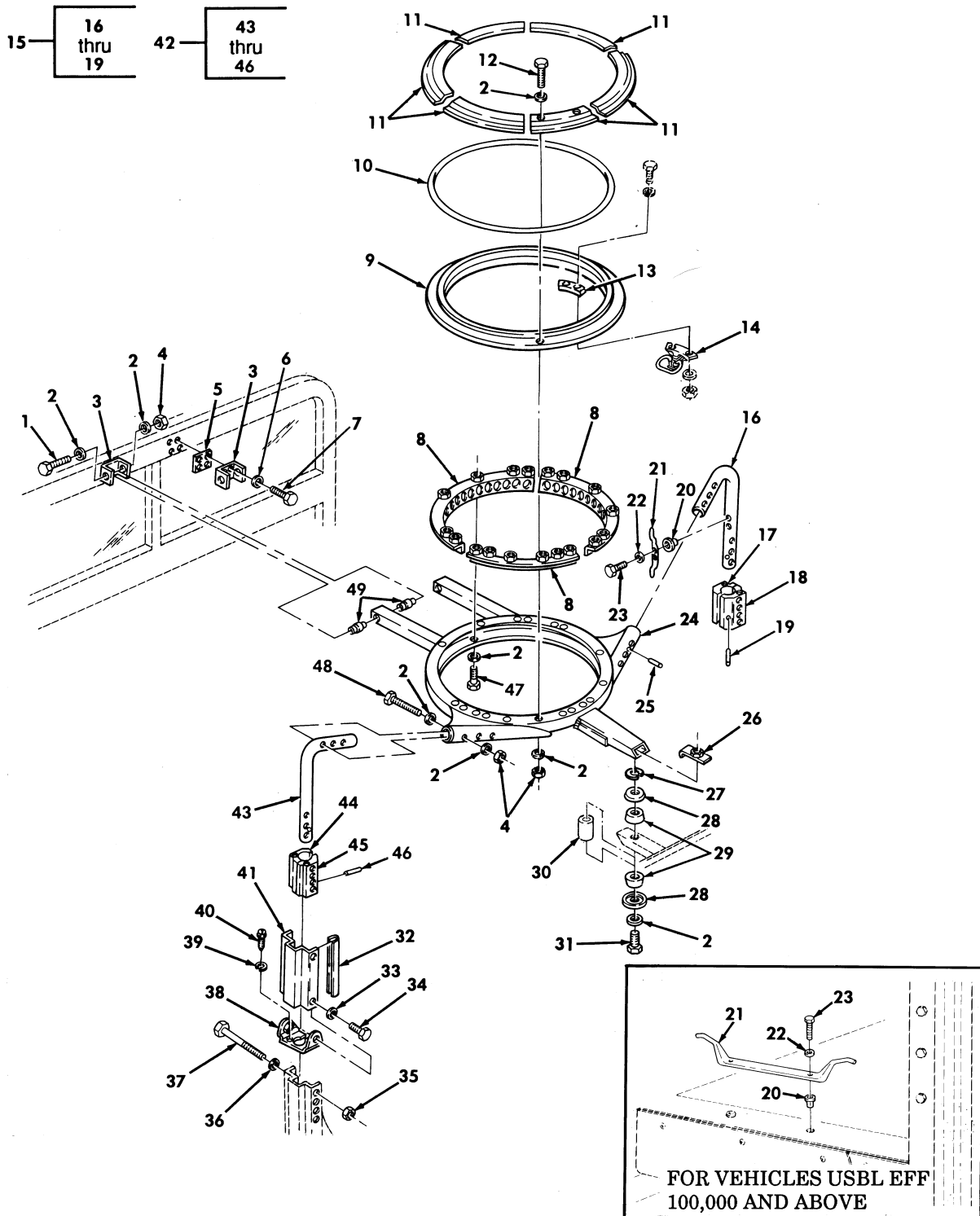


Figure 196D. Turret Support Ring Assembly.

SMI 9-2320-387-14&P-1					0197 04	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR	NSN	CAGEC	PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE			NUMBER		
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 196D TURRET SUPPORT RING ASSEMBLY	
1	PAOZZ	5305008576886	80204	B1821BH038C450N	SCREW, CAP, HEXAGON H 3/8-16 X 4.50	2
					UOC:TTT	
2	PAOZZ	5310000806004	96906	MS27183-14	WASHER, FLAT 3/8.....	47
					UOC:TTT	
3	PAFZZ	2510012526240	19207	12340116	FRAME SECTION, STRUCTURAL.....	2
					UOC:TTT	
4	PAOZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16.....	20
					UOC:TTT	
5	PAFZZ	5365011954949	19207	12340099-1	SPACER, PLATE 0.125.....	2
					UOC:TTT	
5	PAFZZ	5365012554990	34623	5596642	SPACER, PLATE 0.030.....	2
					UOC:TTT	
5	PAFZZ	5365012554991	34623	5596643	SPACER, PLATE 0.060.....	2
					UOC:TTT	
5	PAFZZ	5365012554633	34623	5596644	SPACER, PLATE 0.090.....	2
					UOC:TTT	
5	PAFZZ	5365012554634	34623	5596645	SPACER, PLATE 0.190.....	2
					UOC:TTT	
6	PAFZZ	5310012520512	34623	5592832	WASHER, FLAT 5/16.....	8
					UOC:TTT	
7	PAFZZ	5306002264826	80204	B1821BH031C088N	BOLT, MACHINE 5/16-18 X 7/8.....	8
					UOC:TTT	
8	PAOZZ	2590011924525	19207	12340298	RING, TURRET LOCK.....	3
					UOC:TTT	
9	PAOZZ	3110014579711	28666	T2H2-38P2	BEARING, ASSEMBLY, TURRET.....	1
					UOC:TTT	
10	PAOZZ	5330012822213	28666	MT161A	SEAL, NONMETALLIC SP.....	1
					UOC:TTT	
11	PAOZZ	5340014575571	19207	12460290	BRACKET, DOUBLE ANGLE.....	12
					UOC:TTT	
12	PAOZZ	5305007813926	80204	B1821BH038C275N	SCREW, CAP, HEXAGON H 3/8-16 X 2.75.	12
					UOC:TTT	
13	PFFZZ	5365012544394	19207	12340115-1	SPACER, PLATE 0.050 INCHES THICK...	1
					UOC:TTT	
13	PFFZZ	5365014573364	19207	12340115-2	SPACER, PLATE 0.160 INCHES THICK...	1
					UOC:TTT	
14	PAOZZ	5340012538933	31272	45460-10	LOCK SET, RIM.....	1
					UOC:TTT	
15	PFFFF	4710013357523	19207	12340342-6	TUBE, BENT, METALLIC R.H.....	1
					UOC:TTT	
16	XAFZZ		19207	12340342-4	.SUPPORT UPPER B PILLAR, RIGHT HAND.	1
					UOC:TTT	
17	PFFZZ	2510012571572	19207	12340090-1	.FRAME SECTION, STRUCTURAL B PILLAR FRONT	1
					UOC:TTT	
18	PFFZZ	2510012668013	19207	12340090-2	.FRAME SECTION, STRUCTURAL B PILLAR REAR.	1
					UOC:TTT	
19	PAFZZ	5315011733397	24617	9412281	.PIN, SPRING.....	2
					UOC:TTT	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0197 04 (7) QTY
20	PAOZZ	4931012028692	19207	12339998-13	PLUSNUT 1/4-20..... UOC:TTT	2
21	PFOZZ	2540011929718	19207	12340301	CLEAT, STOWAGE, CABLE..... UOC:TTT	1
22	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4..... UOC:TTT	2
23	PAOZZ	5305002253843	80204	B1821BH025C100N	SCREW, CAP, HEXAGON H 1/4-20 X 1.00 UOC:TTT	2
24	PFFZZ	2540011853113	19207	12340334	SUPPORT ASSEMBLY, WE..... UOC:TTT	1
25	PAFZZ	5315011960277	7X677	456369	PIN, SPRING 1/4 X 1/2..... UOC:TTT	2
26	PFFZZ	2540011940197	19207	12339562	PLATE ASSEMBLY, ROOF REAR SUPPORT MOUNT..... UOC:TTT	1
27	PAFZZ	5310012122303	34623	5591507	WASHER, SLOTTED..... UOC:TTT	4
28	PFFZZ	2540011925949	19207	12339561	PLATE, SNUBBER, VEHICULAR REAR SUPPORT MOUNT..... UOC:TTT	2
29	PAFZZ	5340012110838	34623	5584891	MOUNT, RESILIENT..... UOC:TTT	2
30	PFFZZ	5365012160364	19207	12338186-52	SPACER, SLEEVE .407 ID X .625 OD X 2.250 LONG..... UOC:TTT	1
31	PAFZZ	5305007813927	80204	B1821BH038C350N	SCREW, CAP, HEXAGON H 3/8-16 X 3.50 USE W/0-2 SHIMS..... UOC:TTT	1
31	PAFZZ	5305009908632	80204	B1821BH038C375N	SCREW, CAP, HEXAGON H 3/8-16 X 3.75 USE W/3-5 SHIMS..... UOC:TTT	1
31	PAFZZ	5305007813928	80204	B1821BH038C400N	SCREW, CAP, HEXAGON H 3/8-16 X 4.00 USE W/6-7 SHIMS..... UOC:TTT	1
32	PAOZZ	2590014608320	19207	12340103-3	BEZEL, AUTOMOTIVE TRIM LEFT 11.13" LONG..... UOC:TTT	2
32	PAOZZ	2590014579922	19207	12340103-4	BEZEL, AUTOMOTIVE TRIM RIGHT 8.25" LONG..... UOC:TTT	2
33	PAFZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 5/16..... UOC:TTT	6
34	PAFZZ	5305009845675	96906	MS35206-295	SCREW, MACHINE 5/16-18 X 5/8..... UOC:TTT	6
35	PAFZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-24.... UOC:TTT	8
36	PAFZZ	5310011946459	19207	12339724	WASHER, FLAT 5/16..... UOC:TTT	8
37	PAFZZ	5306002928253	88044	AN5H41	BOLT, MACHINE 5/16-24 X 4.21..... UOC:TTT	8
38	PFFZZ	5340011960572	34623	5584032	BRACKET, MOUNTING..... UOC:TTT	2
39	PAFZZ	5310005845272	02978	ERNA245	WASHER, LOCK #10.....	4

0197 04-3

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	197 04 (7) QTY
40	PAFZZ	5305008550957	80205	MS24629-46	UOC:TTT SCREW, TAPPING #10-32 X 1/2.....	4
41	PFFZZ	2540011925937	19207	12340338	UOC:TTT COVER, PILLAR.....	2
42	PFFZZ	4710013335995	19207	12340342-5	UOC:TTT TUBE, BENT, METALLIC L.H.....	1
42	PFFZZ	4710011926113	34623	5578481	UOC:TTT TUBE ASSEMBLY, METAL UPPER B PILLAR	1
43	XAFZZ		19207	12340342-3	UOC:TTT .SUPPORT UPPER B PILLAR, L.H.....	1
44	PFFZZ	2510012668013	19207	12340090-2	UOC:TTT FRAME SECTION, STRUCTURAL B PILLAR REAR.	1
45	PFFZZ	2510012571572	19207	12340090-1	UOC:TTT FRAME SECTION, STRUCTURAL B PILLAR FRONT	1
46	PAFZZ	5315011733397	24617	9412281	UOC:TTT .PIN, SPRING.....	2
47	PAOZZ	5305000680510	80204	B1821BH038C100N	UOC:TTT SCREW, CAP, HEXAGON H 3/8-16 X 1.00.	18
48	PAFZZ	5305008465703	80204	B1821BH038C300N	UOC:TTT SCREW, CAP, HEXAGON H 3/8-16 X 3.00	6
49	PAFZZ	5340011976755	96867	3541	UOC:TTT MOUNT, RESILIENT FRONT SUPPORT, MOUNTING CLEVIS.....	4

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

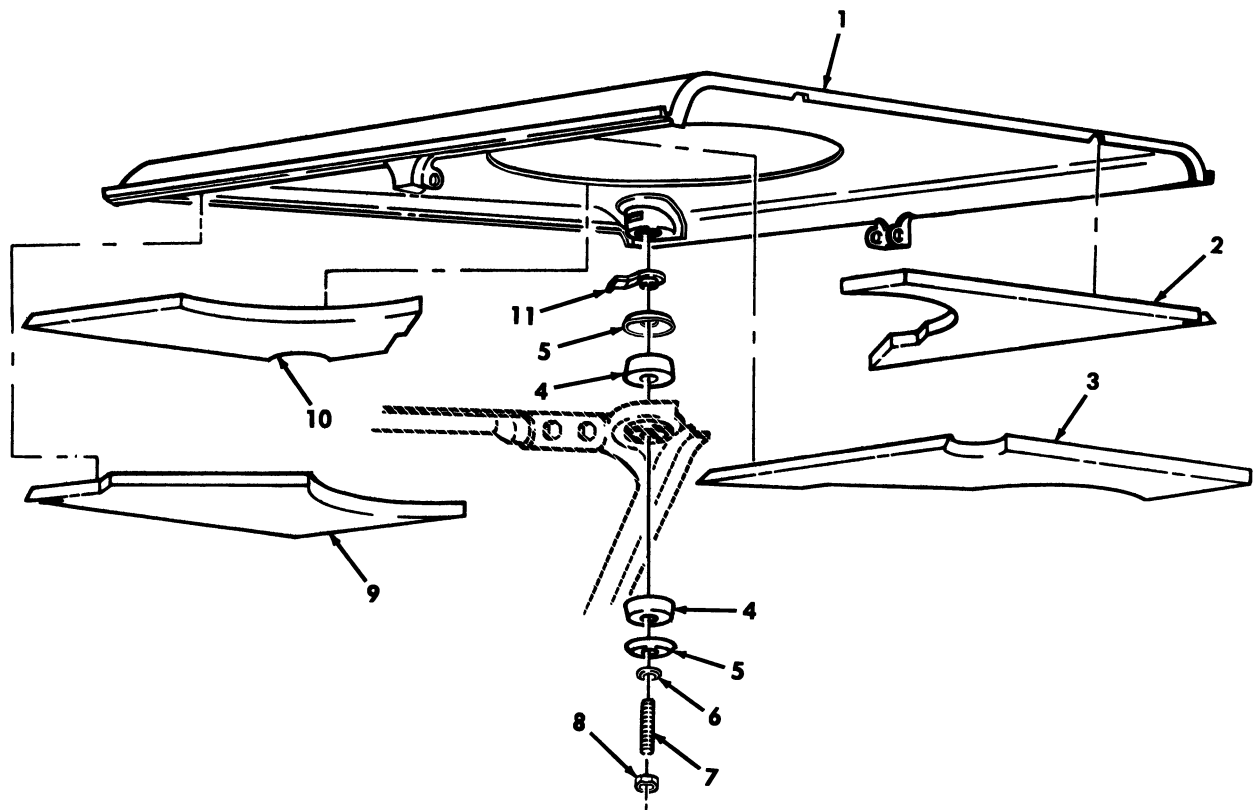


Figure 202A. Roof and Mounting Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0203 01 (7) QTY
GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY						
FIG. 202A ROOF AND MOUNTING COMPONENTS						
1	PAFZZ	2510011873606	34623	12339623-1	PANEL, BODY, VEHICULAR BASIC ARMOR. UOC:TTT	1
2	PAOZZ	2510012052507	19207	12339624-1	LINER, ROOF, VEHICULAR REAR, L.H. UOC:TTT	1
3	PAOZZ	2540012038972	19207	12339624-2	INSULATION, THERMAL REAR, R.H..... UOC:TTT	1
4	PAFZZ	5340012110838	34623	5594891	MOUNT, RESILIENT..... UOC:TTT	8
5	PAFZZ	2540011925949	19207	12339561	PLATE, SNUBBER, VEHICULAR..... UOC:TTT	8
6	PAFZZ	5310014124013	24617	2436163	WASHER, FLAT 3/8..... UOC:TTT	4
7	PAFZZ	5307012542504	19207	12339559	STUD, PLAIN 3/8-16 X 3.75..... UOC:TTT	4
8	PAFZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16..... UOC:TTT	4
9	PAOZZ	2590012052506	19207	12339626-1	PANEL, ROOF, FRONT, L FRONT, L.H... UOC:TTT	1
10	PAOZZ	2510012039873	34623	SF-5590748	LINER, ROOF, VEHICULAR FRONT, R.H.. UOC:TTT	1
11	PAFZZ	5340012039391	34623	5583231	BRACKET, DOUBLE ANGLE..... UOC:TTT	4

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

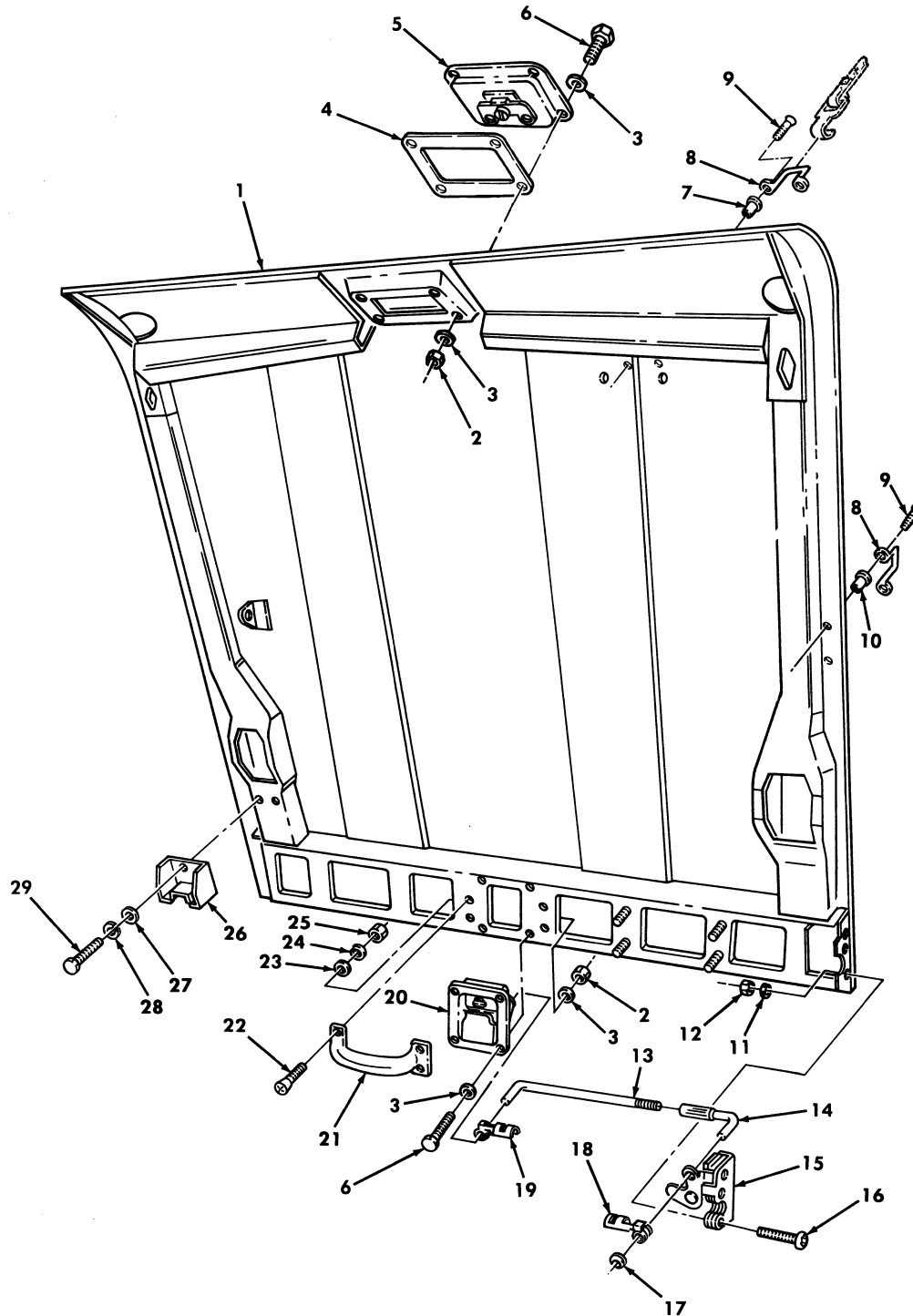


Figure 205A. Cargo Shell Door Assembly, Basic and Supplemental Armor.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0206 01 (7) QTY
GROUP 1801 SPECIAL PURPOSE BODIES						
FIG. 205A CARGO SHELL DOOR ASSEMBLY, BASIC AND SUPPLEMENTAL ARMOR						
1	XAOZZ		19207	12446908	DOOR ASSEMBLY.....	1
					UOC:TTT	
2	PAOZZ	5310009349758	96906	MS35649-202	NUT, PLAIN, HEXAGON.....	8
					UOC:TTT	
3	PAOZZ	5310012349416	96906	MS51412-2	WASHER, FLAT #10.....	16
					UOC:TTT	
4	PAOZZ	5330014583810	19207	12341348	GASKET.....	1
					UOC:TTT	
5	PAOZZ	5340011971238	19220	1-5073-U	CATCH, FLUSH.....	1
					UOC:TTT	
6	PAOZZ	5305011858674	7X677	9421294	SCREW, CAP, HEXAGON H #10-24 X 1/2.	8
					UOC:TTT	
7	PAOZZ	53250141110066	78276	ALS4-1024-130	INSERT, SCREW THREAD.....	38
					UOC:TTT	
8	PAOZZ	5340004895684	19220	6411B	LOOP, STRAP FASTENER.....	20
					UOC:TTT	
9	PAOZZ	5305014108366	24617	156966	SCREW, MACHINE.....	40
					UOC:TTT	
10	PAOZZ	5325014759697	78276	ALS4-1024-225	INSERT, SCREW THREAD.....	2
					UOC:TTT	
11	PAOZZ	5310004079566	96906	MS35338-45	WASHER, LOCK 5/16.....	12
					UOC:TTT	
12	PAOZZ	5310008140673	96906	MS51943-33	NUT, SELF-LOCKING, HEAD 5/16-18.....	12
					UOC:TTT	
13	PAOZZ	5306011950277	34623	5583141	BOLT, HOOK.....	4
					UOC:TTT	
14	PAOZZ	5340011972736	19220	16386 (75)	ROD END, THREADED.....	4
					UOC:TTT	
15	PAOZZ	5340011996103	19220	3-400-R	LATCH, DOOR R.H., FRONT AND L.H., REAR	2
					UOC:TTT	
15	PAOZZ	5340011985455	19220	3-400-L (25)	PLATE, MOUNTING LATCH, DOOR L.H., FRONT AND R.H., REAR.....	2
					UOC:TTT	
16	PAOZZ	5305002264831	80204	B1821BH031C150N	SCREW, CAP, HEXAGON H 5/16-18 X 1.50.	12
					UOC:TTT	
17	PAOZZ	5310012133133	78553	C183-012-4	PUSH ON NUT.....	8
					UOC:TTT	
18	PAOZZ	5340011958837	78947	HS49745	CLIP, RETAINING R.H.....	4
					UOC:TTT	
19	PAOZZ	5340011968158	78947	HS49746	CLIP-CLEVIS, ROD RET R.H.....	4
					UOC:TTT	
20	PAOZZ	5340012598600	19220	34-4974-51X	CATCH, FLUSH.....	1
					UOC:TTT	
21	PFOZZ	5340011978239	14557	U-6236	HANDLE, BOW FRONT.....	1
					UOC:TTT	
22	PAOZZ	5305012542453	34623	5592861	SCREW, MACHINE #12-24 X 3/4.....	4
					UOC:TTT	
23	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4.....	4

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0206 01 (7) QTY
24	PAOZZ	5310002857037	96906	MS122031	UOC:TTT WASHER, LOCK #12.....	4
25	PAOZZ	5310000121743	16764	121743	UOC:TTT NUT, PLAIN, HEXAGON #12-24.....	4
26	PAOZZ	5342011945806	19207	12339579	UOC:TTT BRACKET, DOVETAIL.....	1
27	PAOZZ	5310008094058	96906	MS27183-10	UOC:TTT WASHER, FLAT 1/4.....	2
28	PAOZZ	5310005501130	96906	MS35333-40	UOC:TTT WASHER, LOCK 1/4.....	2
29	PAOZZ	5305000680508	80204	B1821BH025C075N	UOC:TTT SCREW, CAP, HEXAGON H 1/4-20 X 3/4.	2

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REPAIR PARTS AND SPECIAL TOOLS LIST

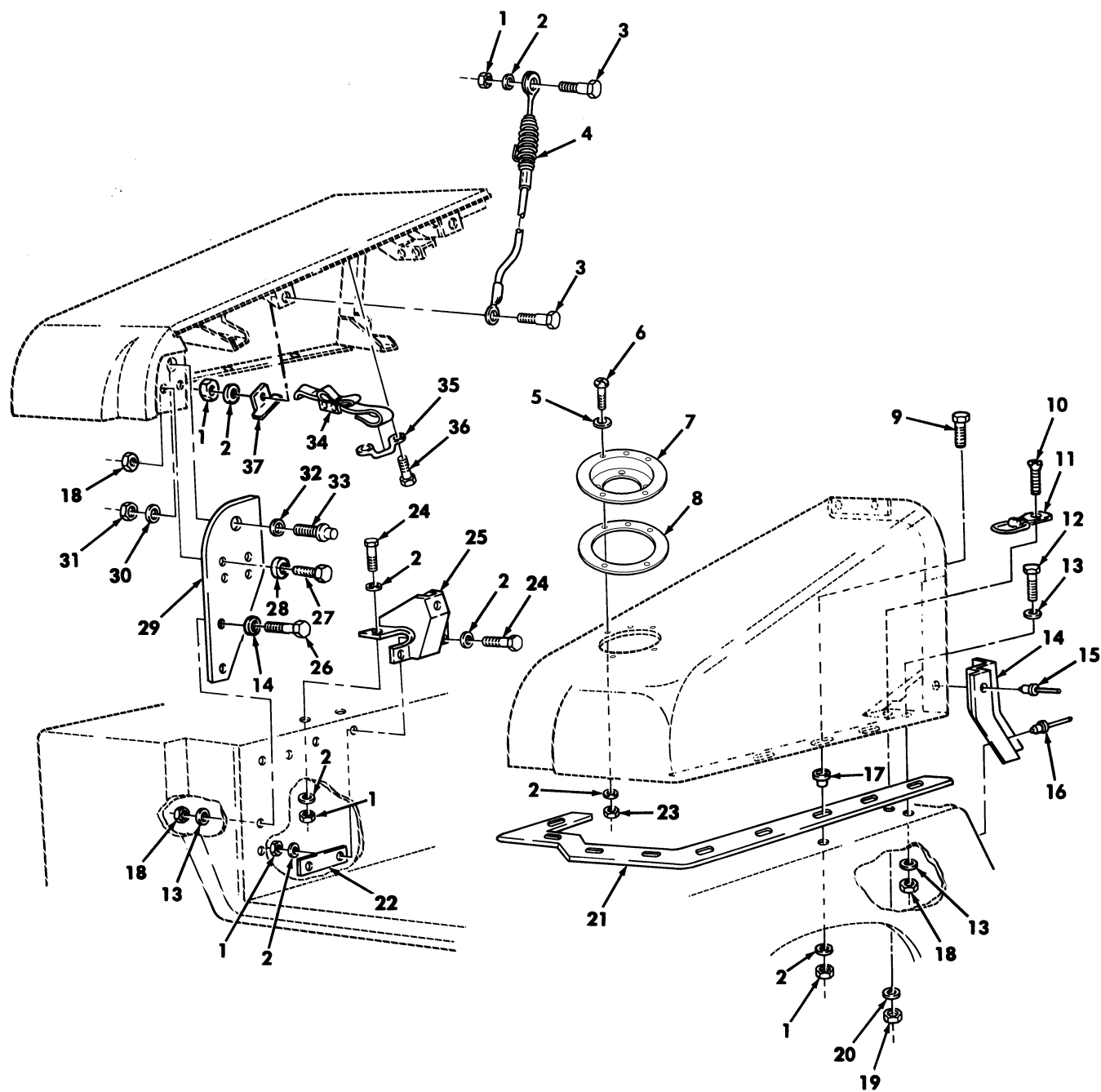


Figure 207A. Cargo Shell Assemblies and Mounting Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0208 01 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 207A CARGO SHELL ASSEMBLIES, AND MOUNTING COMPONENTS	
1	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20.....	30
					UOC:TTT	
2	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4.....	42
					UOC:TTT	
3	PAOZZ	5306011991314	19207	12340001-2	BOLT, SHOULDER 1/4-20 X .75.....	4
					UOC:TTT	
4	PAOZZ	4010012030412	58538	10812	WIRE ROPE ASSEMBLY.....	2
					UOC:TTT	
5	PAOZZ		96906	ELMS27183-10	WASHER, FLAT 1/4.....	10
					UOC:TTT	
6	PAOZZ		80204	B1821BH025C088N	SCREW, CAP, HEXAGON 1/4-20 X 7/8...	5
					UOC:TTT	
7	PAOZZ		19207	12339558	MOUNT.....	1
					UOC:TTT	
8	PAOZZ		19207	12469270	GASKET.....	1
					UOC:TTT	
9	PFFZZ	5305000680509	80204	B1821BH025C125N	SCREW, CAP, HEXAGON 1/4-20 X 1.25...	18
					UOC:TTT	
10	PAOZZ	5305000522232	96906	MS24667-77	SCREW, CAP, SOCKET HE.....	2
					UOC:TTT	
11	PAOZZ	3990014325370	19207	12446987	TIEDOWN, CARGO, VEHICULAR.....	2
					UOC:TTT	
12	PAFZZ	5305007252317	80204	B1821BH025C150N	SCREW, CAP, HEXAGON 3/8-16 X 1.50..	2
					UOC:TTT	
13	PAFZZ	5310000877493	96906	MS27183-13	WASHER, FLAT 3/8.....	24
					UOC:TTT	
14	PFFZZ	2540011928283	34623	5584152	PANEL, FILLER DOOR S R.H., REAR....	1
					UOC:TTT	
14	PFFZZ	2510011925950	34623	5584151	PANEL, CAB L.H., REAR.....	1
					UOC:TTT	
15	PAFZZ	5320008990981	54402	AD42BS	RIVET, BLIND 1/8 DIAMETER.....	1
					UOC:TTT	
16	PAFZZ	5320000835009	81349	M24243/1-A403	RIVET, BLIND 1/8 DIAMETER.....	4
					UOC:TTT	
17	PAFZZ	5365011945093	34623	5583156	SPACER, SLEEVE.....	18
					UOC:TTT	
18	PAFZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16.....	17
					UOC:TTT	
19	PAOZZ	5310004883889	96906	MS51943-39	NUT, SELF-LOCKING, HEAD.....	2
					UOC:TTT	
20	PAOZZ	5310013968392	80205	NAS1149F0863P	WASHER, FLAT 1/2.....	2
					UOC:TTT	
21	PAFZZ	5330011959049	34623	5593930	SEAL, NONMETALLIC L.H.....	1
					UOC:TTT	
22	PFOZZ	5340011972642	19207	12339605	PLATE, MENDING.....	21
					UOC:TTT	
23	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20.....	4

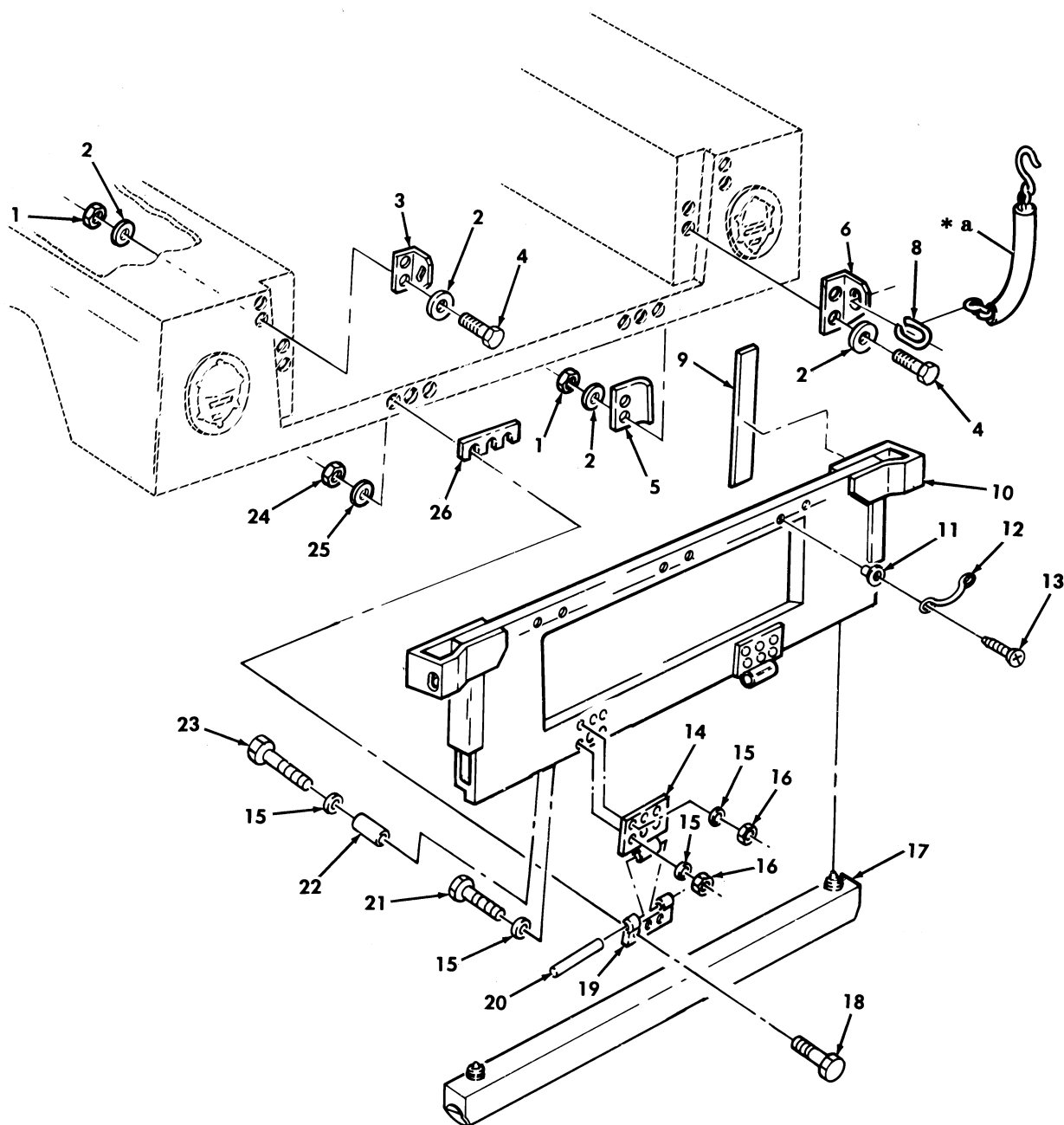
(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0208 01 (7) QTY
24	PAOZZ	5305000680508	80204	B1821BH025C075N	UOC:TTT SCREW, CAP, HEXAGON H 1/4-20 X 3/4.	8
25	PFOZZ	5340011972716	34623	5584138	UOC:TTT BRACKET, MOUNTING.....	2
26	PAOZZ	5305007252317	80204	B1821BH038C150N	UOC:TTT SCREW, CAP, HEXAGON H 3/8-16 X 1.50.	10
27	PAOZZ	5306013877457	34623	5593200	UOC:TTT BOLT, MACHINE 3/8-16 X 1.25.....	2
28	PAOZZ	5310002057923	34623	5593213	UOC:TTT WASHER, FLAT 3/8.....	2
29	PFOZZ	2540012528460	19207	12339610-1	UOC:TTT PLATE, STRIKER L.H.....	1
29	PFOZZ	2540012523386	34623	12339610-2	UOC:TTT PLATE, STRIKER, MOUNT R.H.....	1
30	PAOZZ	5310012604839	34623	5593312	UOC:TTT WASHER, FLAT 3/4.....	2
31	PAOZZ	5310004093333	96906	MS51943-45	UOC:TTT NUT, SELF-LOCKING, HEAD 3/4-10.....	2
32	PAOZZ	5310011971100	19207	12339599	UOC:TTT WASHER, FLAT 25/32.....	2
33	PAOZZ	5340014401435	34623	5596198	UOC:TTT STUD, FRICTION CATCH.....	2
34	PAOZZ	5340012035634	31272	44647-10	UOC:TTT STRAP, WEBBING.....	4
35	PAOZZ	5340004895684	19220	6411-B	UOC:TTT LOOP, STRAP FASTENER.....	4
36	PAOZZ	5305012542459	34623	5593313	UOC:TTT SCREW, ASSEMBLED WAS #10-32 X 3/4..	8
37	PAOZZ	5340014605002	19207	12339601	UOC:TTT BRACKET, ANGLE.....	2

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REPAIR PARTS AND SPECIAL TOOLS LIST

7- 8



* a PART OF ITEM 7

Figure 208A. Tailgate Assembly and Related Parts.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0209 01 (7) QTY
					GROUP 1801 BODY, CAB, HOOD, AND HULL ASSEMBLY	
					FIG. 208A TAILGATE ASSEMBLY AND RELATED PARTS	
1	PAOZZ	5310008140673	96906	MS51943-33	NUT, SELF-LOCKING, HEAD 5/16-18....	8
					UOC:TTT	
2	PAOZZ	5310011191024	24617	2436162	WASHER, FLAT 5/16.....	16
					UOC:TTT	
3	PFOZZ	5340012605792	19207	12338974-2	BRACKET, ANGLE R.H.....	1
					UOC:TTT	
3	PFOZZ	5340012609874	34623	5596374	BRACKET, ANGLE L.H.....	1
					UOC:TTT	
4	PAOZZ	5306000514077	80204	B1821BH031F113N	BOLT, MACHINE 5/16-18 X 1.125.....	8
					UOC:TTT	
5	PFOZZ	5340011858724	34623	5575752	BRACKET, ANGLE.....	2
					UOC:TTT	
6	PFOZZ	5340011861280	34623	5575702	BRACKET, ANGLE L.H.....	1
					UOC:TTT	
6	PFOZZ	5340011861281	34623	5575703	BRACKET, ANGLE R.H.....	1
					UOC:TTT	
7	PAOZZ	2510009332893	19207	12339227-1	COVER AND CHAIN L.H.....	1
					UOC:TTT	
7	PAOZZ	2510009332895	19207	12339227-2	COVER AND CHAIN R.H.....	1
					UOC:TTT	
8	PAOZZ	4010011948546	19207	12339223	.LINK, CHAIN, LAP.....	1
					UOC:TTT	
9	PFOZZ	5330011932338	19207	12339228-9	RUBBER STRIP.....	2
					UOC:TTT	
10	PAOFF	2510013785615	19207	12338991-2	TAILGATE, VEHICLE BO.....	1
					UOC:TTT	
11	PAOZZ	5310011981723	19207	12339998-14	NUT, PLAIN, BLIND RIVET #10-32.....	6
					UOC:TTT	
12	PAOZZ	5340011978673	19207	12338839-4	HANDLE, BOW.....	3
					UOC:TTT	
13	PAOZZ	5305011993371	16941	PLJ25J02P12	SCREW, CAP, SOCKET HE SELF-LOCKING #10-32 X 1.75.....	6
					UOC:TTT	
14	PAOZZ	5340013672070	19207	12339945	HINGE, BUTT PART OF KIT P/N 57K0107	2
					UOC:TTT	
15	PAOZZ	5310008093078	96906	MS27183-11	WASHER, FLAT 1/4.....	12
					UOC:TTT	
16	PAOZZ	5310010666759	72962	21NE-040	NUT, SELF-LOCKING, HEAD 1/4-20 PART OF KIT P/N 57K0107.....	6
					UOC:TTT	
17	PAOZZ	5340012598579	34623	5596736	BUMPER, NONMETALLIC.....	1
					UOC:TTT	
18	PAOZZ	5305000680511	80204	B1821BH038C125N	SCREW, CAP, HEXAGON H 3/8-16 X 1.25	6
					UOC:TTT	
19	PAOZZ	5340011897739	34623	12339999	LEAF, BUTT HINGE.....	2
					UOC:TTT	
20	PAOZZ	5315011905908	19207	12339663	PIN, SPRING HINGE TA PART OF KIT P/N 57K0107.....	2

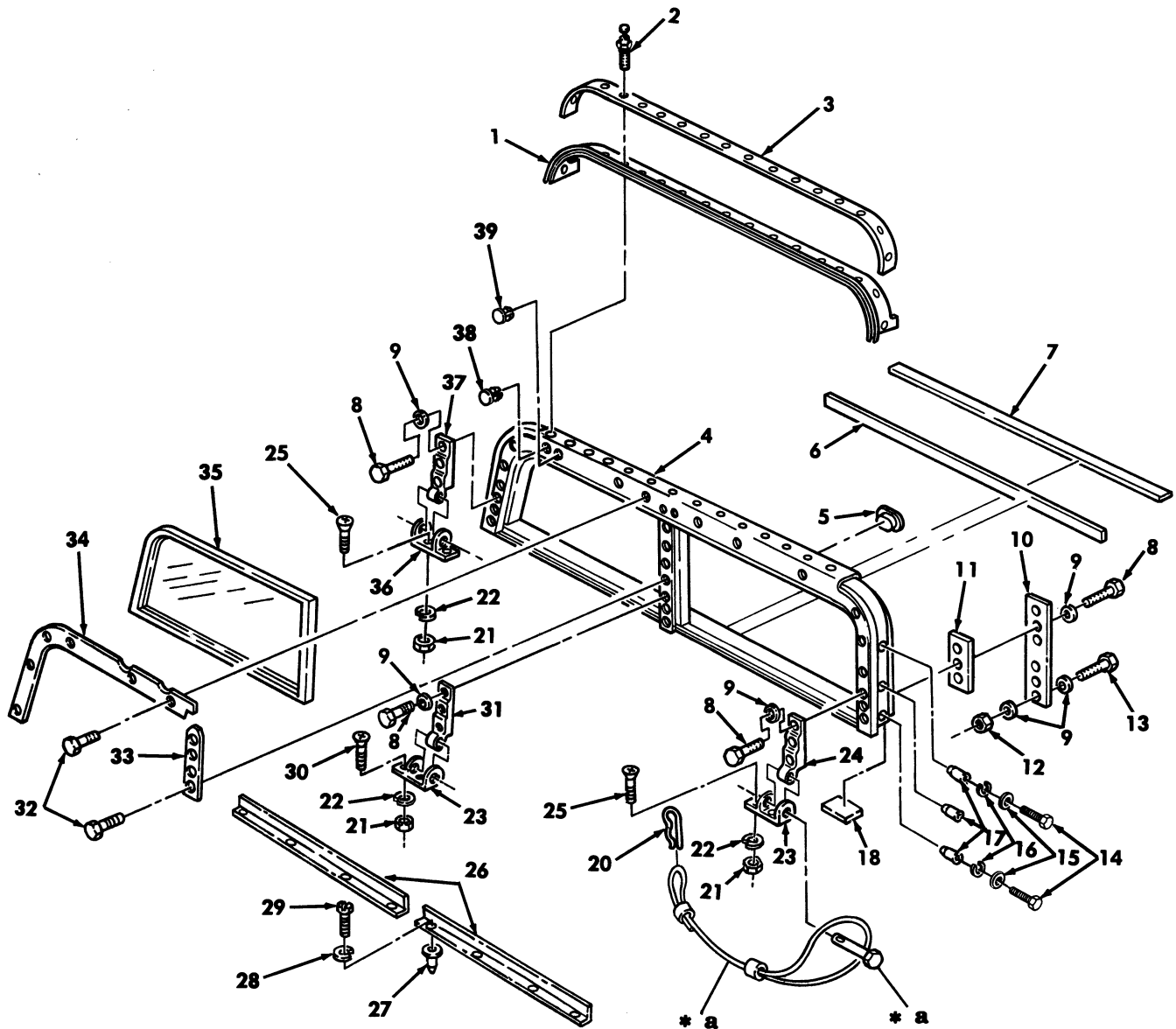
(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0209 01 (7) QTY
21	PAOZZ	5305002253843	80204	B1821BH025C100N	UOC:TTT SCREW, CAP, HEXAGON H 1/4-20 X 1.00 PART OF KIT P/N 57K0107.....	3
22	PAOZZ	5365014130275	19207	12338521-1	UOC:TTT SPACER, SLEEVE PART OF KIT P/N 57K0107.....	3
23	PAOZZ	5305000712236	96906	MS90725-15	UOC:TTT SCREW, CAP, HEXAGON H 1/4-20 X 2.25 PART OF KIT P/N 57K0107.....	3
24	PAOZZ	5310009359021	96906	MS51943-35	UOC:TTT NUT, SELF-LOCKING, HEAD 3/8-16.....	6
25	PAOZZ	5310000806004	96906	MS27183-14	UOC:TTT WASHER, FLAT 3/8.....	6
26	PAOZZ	5365012712491	19207	12340045	UOC:TTT SPACER, PLATE.....	2

END OF FIGURE

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

19 — 20



* a PART OF ITEM 19

Figure 210A. Windshield Assembly, Ballistic.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0211 01 (7) QTY
					GROUP 1802 FENDERS, RUNNING BOARDS WITH MOUNTING AND ATTACHING PARTS, OUTRIGGERS, WINDSHIELD, AND GLASS	
					FIG. 210A WINDSHIELD ASSEMBLY, BALLISTIC	
1	PAFZZ	2540012468289	19207	12338810	SEAL ASSEMBLY, WINDSHIELD UPPER....	1
					UOC:TTT	
2	PAFZZ	5320012597423	11815	CR-213-4-5	RIVET, BLIND UPPER, 1/8 DIAMETER....	27
					UOC:TTT	
3	PAFZZ	2590012468288	19207	12338818	BEZEL, AUTOMOTIVE TRIM UPPER.....	1
					UOC:TTT	
4	PFFZZ	2510014147846	34623	12446878	FRAME, WINDOW, VEHICULAR.....	1
					UOC:TTT	
5	PAOZZ	5340011881018	19207	12338829	CAP-PLUG, PROTECTIVE.....	2
					UOC:TTT	
6	MFOZZ		19207	12338807-4	SEAL LOWER, MAKE FROM SEAL, P/N 68- 412121-1, 81.50 INCHES LONG.....	1
					UOC:TTT	
7	MFOZZ		34623	SF5590706	SEAL LOWER, MAKE FROM SEAL, P/N 68- 412121-1, 80.5 INCHES LONG.....	1
					UOC:TTT	
8	PAFZZ	5306002264829	80204	B1821BH031C125N	BOLT, MACHINE 5/16-18 X 1.25.....	21
					UOC:TTT	
9	PAFZZ	5305011850114	7X677	157166	WASHER, FLAT 5/16.....	27
					UOC:TTT	
10	PFFZZ	5340012477912	19207	12338833	BRACKET, MOUNTING REAR.....	2
					UOC:TTT	
11	PFFZZ	5365012134239	34623	5585178	SPACER, PLATE.....	6
					UOC:TTT	
12	PAFZZ	5310008140673	96906	MS51943-33	NUT, SELF-LOCKING, HEAD LOWER, 5/16-18	6
					UOC:TTT	
13	PAFZZ	5306002264829	80204	B1821BH031C125N	BOLT, MACHINE LOWER, 5/16-18 X 1.25	6
					UOC:TTT	
14	PAFZZ	5306002264827	80204	B1821BH031C100N	BOLT, MACHINE 5/16-18 X 1.00.....	2
					UOC:TTT	
15	PAFZZ	5310000814219	96906	MS28173-12	WASHER, FLAT 5/16.....	2
					UOC:TTT	
16	PAFZZ	5310004079566	96906	MS35338-45	WASHER, LOCK 5/16.....	2
					UOC:TTT	
17	PAFZZ	5310014133276	78276	ALS4-518-150	NUT, PLAIN, BLIND RIVET.....	5
					UOC:TTT	
18	MFFZZ		34623	5596172	SEAL LOWER, MAKE FROM SEAL P/N 68-412121-1, 2.88 INCHES LONG.....	2
					UOC:TTT	
19	PAOZZ	5315012052988	19207	12338813	PIN, STRAIGHT, HEADED.....	3
					UOC:TTT	
20	PAOZZ	5315011884490	19207	12339401	.PIN.....	1
					UOC:TTT	
21	PAFZZ	5310008807744	96906	MS51967-5	NUT, PLAIN, HEXAGON LOWER, 5/16-18.	6
					UOC:TTT	
22	PAFZZ	5310002538957	34623	5592927	WASHER, LOCK LOWER, 5/16.....	6
					UOC:TTT	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0211 01 (7) QTY
23	PFFZZ	5342011867382	19207	12338822-1	HINGE L.H., LOWER AND CENTER..... UOC:TTT	2
24	PFFZZ	2510011987413	19207	12338841-1	HINGE, WINDSHIELD UPPER, L.H..... UOC:TTT	1
25	PAFZZ	5305009585254	80205	MS35190-307	SCREW, MACHINE 5/16-18 X 1-1/4..... UOC:TTT	4
26	PAFZZ	2510014110652	34623	12447029	FRAME, WINDOW, VEHICULAR..... UOC:TTT	2
27	PAFZZ	5325014110066	78276	ALS4-1024-130	INSERT, SCREW THREAD..... UOC:TTT	8
28	PAFZZ	5310009222017	72582	120217	WASHER, LOCK #10..... UOC:TTT	8
29	PAFZZ	5305002400194	96906	MS51849-76	SCREW, MACHINE..... UOC:TTT	8
30	PAFZZ	5305009585253	80205	MS35190-306	SCREW, MACHINE 5/19-18 X 1.00..... UOC:TTT	2
31	PFFZZ	5340011850401	19207	12338835	LEAF, BUTT HINGE CENTER, UPPER..... UOC:TTT	1
32	PAOZZ	5305012645809	19207	12342499-2	SCREW, TAPPING THREAD #10-32 X 062.. UOC:TTT	16
33	PFOZZ	2590011883225	34623	5581260	MOLDING, METAL CENTER, BASIC..... UOC:TTT	1
34	PFOZZ	2590011891067	19207	12338852	MOLDING, METAL UPPER, BASIC..... UOC:TTT	2
35	PAOZZ	2510012282233	19207	12339509	WINDOW, VEHICULAR L.H., BASIC..... UOC:TTT	1
35	PAOZZ	2510012898258	19207	12339506	WINDOW, VEHICULAR R.H., BASIC..... UOC:TTT	1
36	PFFZZ	5342011850116	19207	12338822-2	HINGE, WINDSHIELD LOWER, R.H..... UOC:TTT	1
37	PAFZZ	5340012038608	34623	5585154	LEAF, BUTT HINGE UPPER, R.H..... UOC:TTT	1
38	PAOZZ	5340013327602	19207	12339661-1	BUTTON, PLUG..... UOC:TTT	1
39	PAOZZ	5340011854959	52854	207-320401-00	BUTTON, PLUG..... UOC:TTT	2

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

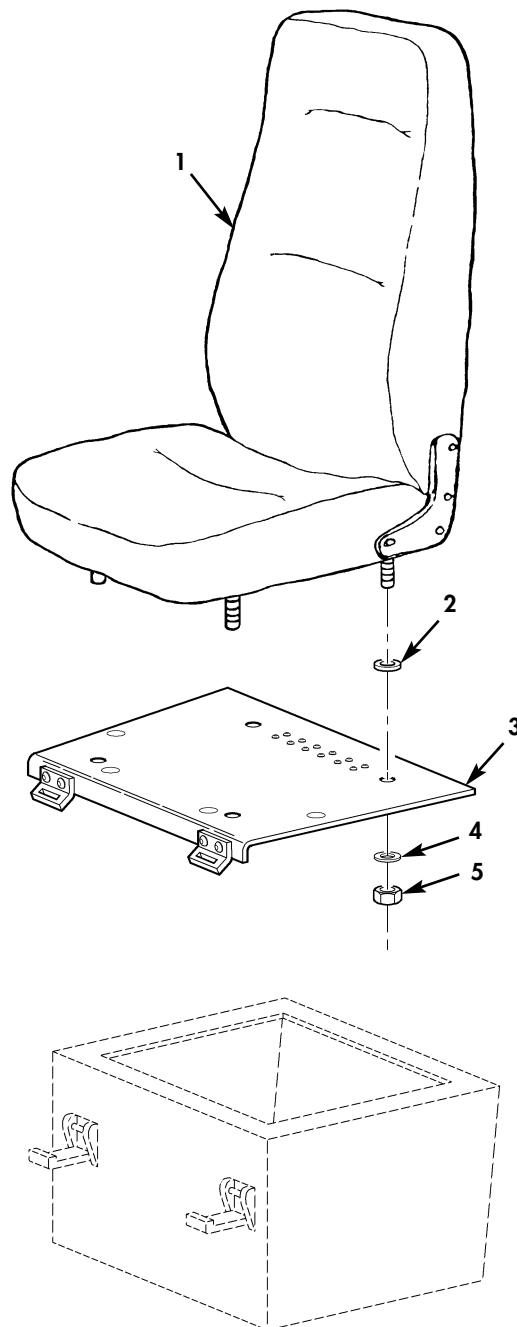


Figure 217A. Rear Seat and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0218 01 (7) QTY
GROUP 1806 UPHOLSTERY SEATS AND CARPET						
FIG. 217A REAR SEAT, AND MOUNTING HARDWARE						
1	PAOZZ	2540014364175	62226	8.6272-01	SEAT, VEHICULAR REAR L.H. AND R.H., GREEN.....	2
					UOC:TTT, UUU	
1	PAOZZ	2540015168389	62226	8.6046-02	SEAT, VEHICULAR REAR L.H. AND R.H., TAN.....	2
					UOC:TTT, UUU	
2	PAOZZ	5365013820986	19207	12343055	SPACER, RING.....	8
					UOC:TTT, UUU	
3	PAOZZ	2540014770162	34623	12446966	PLATE, SEAT BASE L.H.....	1
					UOC:TTT, UUU	
3	PAOZZ	2540014770184	34623	12446967	PLATE, SEAT BASE R.H.....	1
					UOC:TTT, UUU	
4	PAOZZ	5310010120214	24617	120214	WASHER, LOCK.....	8
					UOC:TTT, UUU	
5	PAOZZ	5310013815328	24617	12338130	NUT, PLAIN, HEXAGON	8
					UOC:TTT, UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

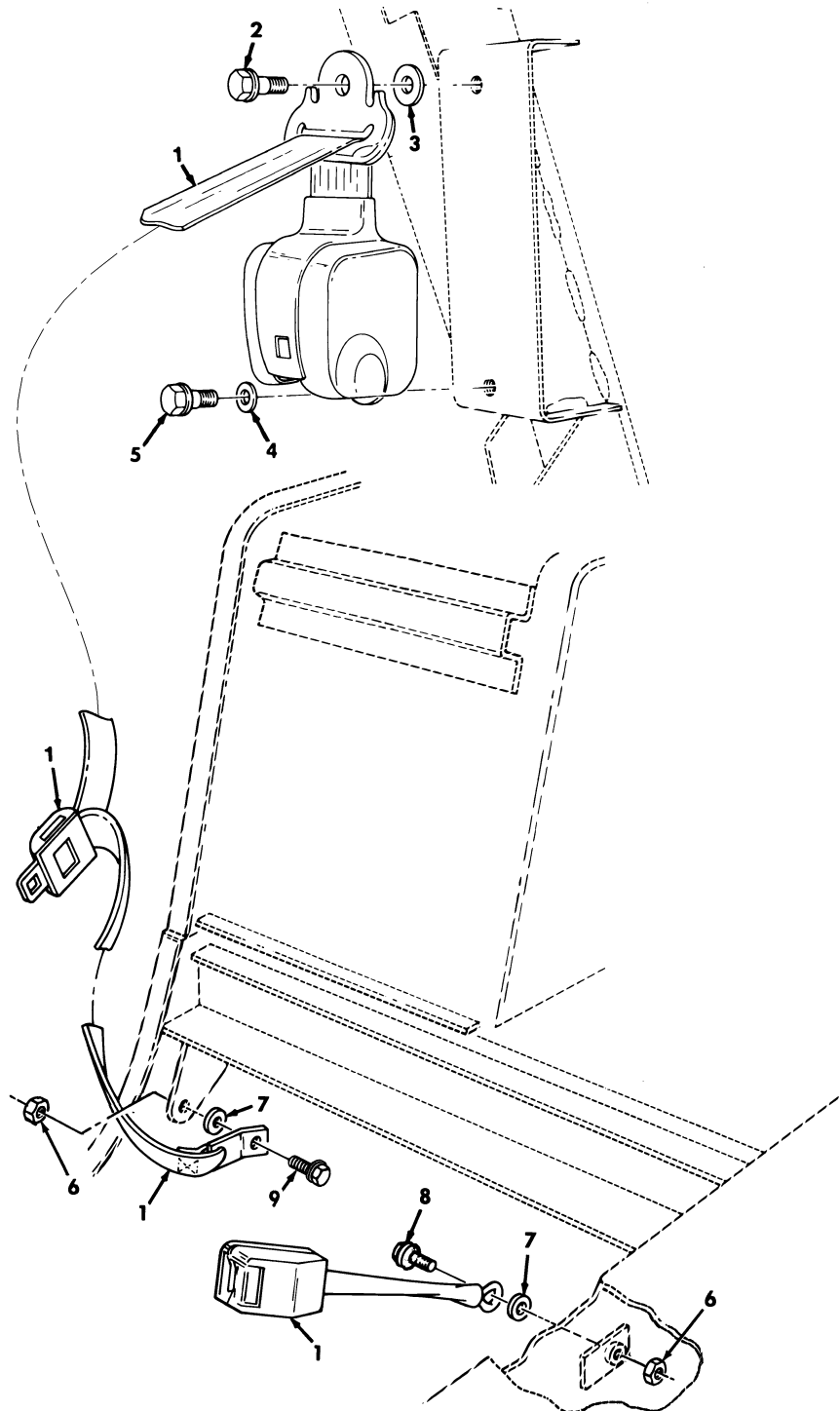
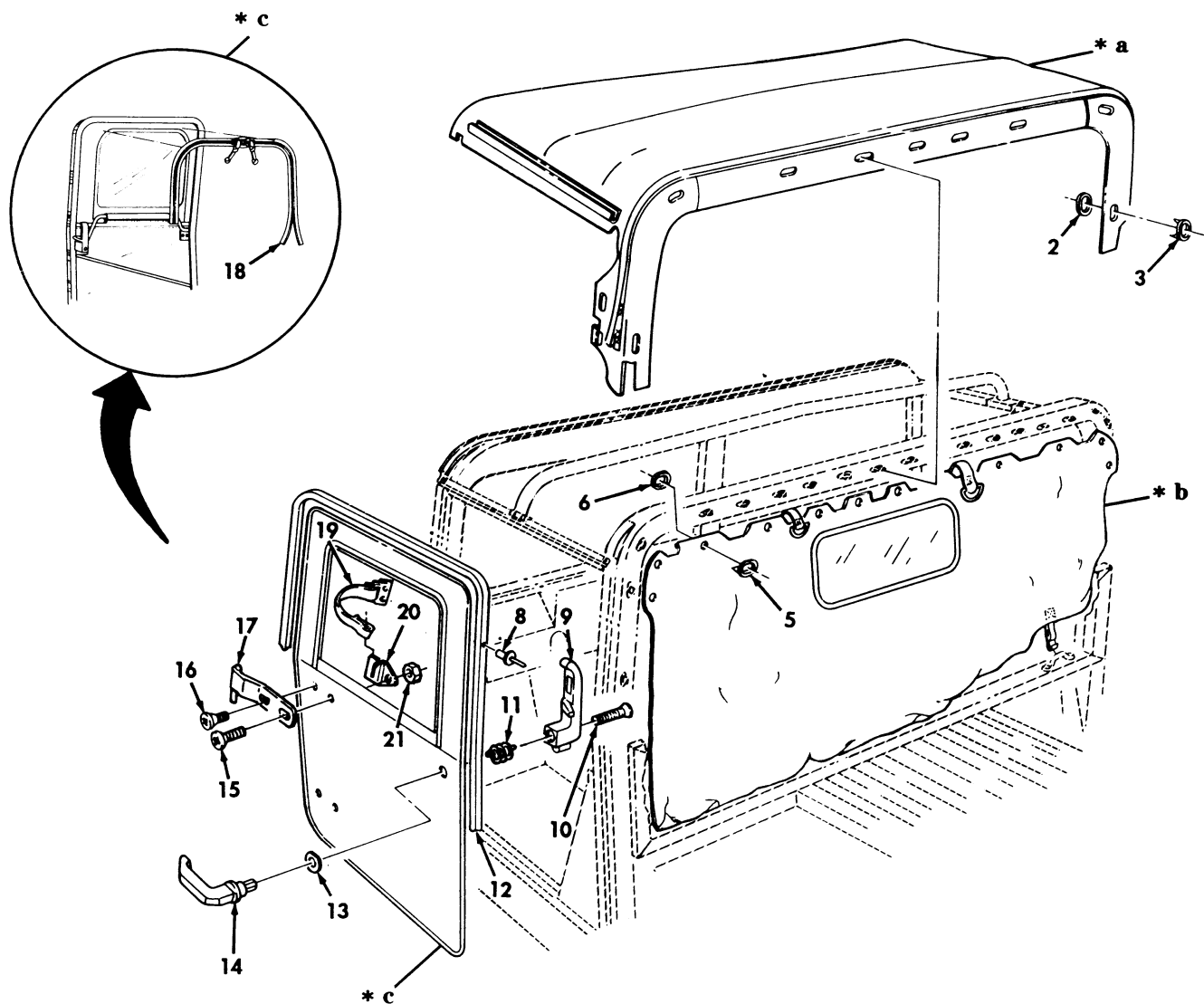
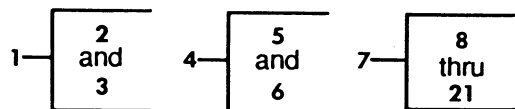


Figure 221A. Rear Seatbelts, Brackets, and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0222 01 (7) QTY
					GROUP 1806 UPHOLSTERY SEATS AND CARPET	
					FIG. 221A REAR SEAT BELTS, BRACKETS, AND MOUNTING HARDWARE	
1	PAOZZ	2540014950817	1WVZ0	E35454	BELT, VEHICULAR SAFE REAR LEFT AND RIGHT.....	2
					UOC:TTT	
2	PAOZZ	5306013162433	19207	12340259-7	BOLT, SHOULDER 7/16-20 X 1.00.....	2
					UOC:TTT	
3	PAOZZ	5310012866077	19207	12341856	WASHER, FLAT 7/16.....	2
					UOC:TTT	
4	PAOZZ	5310002090965	80205	MS35338-47	WASHER, LOCK 7/16.....	2
					UOC:TTT	
5	PAOZZ	5306011857052	7X677	9419293	BOLT, MACHINE 7/16-20 X 1.00.....	2
					UOC:TTT	
6	PAOZZ	5310013153403	24617	9442938	NUT, SELF-LOCKING, HEAD 7/16-20....	2
					UOC:TTT	
7	PAOZZ	5310012538437	19207	12340058	WASHER, FLAT 7/16.....	4
					UOC:TTT	
8	PAOZZ	5306013157086	19207	12340259-3	BOLT, SHOULDER 7/16-20 X 1.00.....	4
					UOC:TTT	
9	PAOZZ	5306013157088	19207	12340259-4	BOLT, SHOULDER 7/16-20 X 3.50.....	2
					UOC:TTT	
END OF FIGURE						

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



- * a PART OF ITEM 1
- * b PART OF ITEM 4
- * c PART OF ITEM 7

Figure 226. Two-Man Crew Soft Top Enclosure, Top Assembly, Rear Curtain, and Door Assemblies.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0227 00 (7) QTY
					GROUP 22 BODY, CHASSIS, AND HULL ACCESSORY ITEMS 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 226 TWO-MAN CREW SOFT TOP ENCLOSURE, TOP ASSEMBLY, REAR CURTAIN, AND DOOR ASSEMBLIES	
1	PAOFF	2540013142786	19207	12340736-7	COVER, FITTED, VEHICULAR GREEN, PART OF 1 KIT P/N 57K0112..... UOC:XAA, UUU	
1	PAOFF	2540014504017	19207	12340736-18	COVER, FITTED, VEHICULAR CAMO, PART OF 1 KIT P/N 57K3496..... UOC:XAA, UUU	
1	PAOFF	2540013306173	19207	12340736-8	COVER, FITTED,VEHICULAR TAN, PART OF KIT 1 P/N 57K0156..... UOC:XAA, UUU	
1	PAOFF	2510014504021	19207	12340736-13	COVER, FITTED, VEHICULAR WHITE, PART OF 1 KIT P/N 57K0162..... UOC:XAA, UUU	
2	PAFZZ	5325013718108	13940	BS 78505	.CLINCH PLATE, TURNBUTTON.....	23
3	PAFZZ	5325012818642	61864	400COMMONSENSE PE	.SOCKET, TURNBUTTON F.....	23
4	PAOFF	2540012008393	19207	12340737	CURTAIN, VEHICULAR GREEN, PART OF KIT 57K0112..... UOC:XAA, UUU	1
4	PAOFF	2540013306171	19207	12340737-6	CURTAIN, VEHICULAR CAMO, PART OF KIT P/N 57K3496..... UOC:XAA, UUU	1
4	PAOFF	2510014504018	19207	12340737-2	CURTAIN, VEHICULAR TAN, PART OF KIT P/N 57K0156..... UOC:XAA, UUU	1
4	PAOFF	2540014079241	19207	12340737-3	CURTAIN, VEHICULAR WHITE, PART OF KIT P/N 57K0162..... UOC:XAA, UUU	1
5	PAFZZ	5325002818643	13940	91-BS-78403	.SOCKET, TURNBUTTON F.....	12
6	PAFZZ	5325013718108	13940	BS 78505	.CLINCH PLATE, TURNBUTTON.....	12
7	PAOFF	5210011899724	34623	5591348	DOOR, VEHICULAR L.H., GREEN, PART OF KIT P/N 57K0112..... UOC:XAA, UUU	1
7	PAOFF	2510011899725	34623	5581349	DOOR, VEHICULAR R.H., GREEN, PART OF KIT P/N 57K0112..... UOC:XAA, UUU	1
7	PAOFF	2510014505480	19207	12340231-10	DOOR, VEHICULAR L.H., CAMO, PART OF KIT P/N 57K3496..... UOC:XAA, UUU	1
7	PAOFF	2510014505479	19207	12340231-11	DOOR, VEHICULAR R.H., CAMO, PART OF KIT P/N 57K3496..... UOC:XAA, UUU	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0227 00 (7) QTY
7	PAOFF	2510013306174	19207	12340231-3	DOOR, VEHICULAR L.H., TAN, PART OF KIT P/N 57K0156..... UOC:XAA, UUU	1
7	PAOFF	2510013306175	19207	12340231-4	DOOR, VEHICULAR R.H., TAN, PART OF KIT P/N 57K0156..... UOC:XAA, UUU	1
7	PAOFF	2510014076037	19207	12340231-5	DOOR, VEHICULAR L.H., WHITE, PART OF KIT P/N 57K0162..... UOC:XAA, UUU	1
7	PAOFF	2510014076036	19207	12340321-6	DOOR, VEHICULAR R.H., WHITE, PART OF KIT P/N 57K0162..... UOC:XAA, UUU	1
8	PAOZZ	5320010232529	81349	M24243/1-A404	.RIVET, BLIND 1/8..... UOC:XAA, UUU	18
9	PAOZZ	2540012001994	19207	12301363-1	.HANDLE, DOOR, VEHICULAR INSIDE, R.H. PART OF KIT P/N 5705618..... UOC:XAA, UUU	1
9	PAOZZ	2540012037721	19207	12301363-2	.HANDLE, DOOR, VEHICULAR INSIDE, L.H. PART OF KIT P/N 5705618..... UOC:XAA, UUU	1
10	PAOZZ	5305000701327	96906	MS51960-70	.SCREW, MACHINE #10-32 X 1.25 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619..... UOC:XAA, UUU	1
11	PAOZZ	5360013157211	19207	12356764-2	.SPRING, HELICAL TORSION R.H. PART OF KIT P/N 5705618..... UOC:XAA, UUU	1
11	PAOZZ	5360013157212	19207	12356764-1	.SPRING, HELICAL, TORSION L.H. PART OF KIT P/N 5705619..... UOC:XAA, UUU	1
12	MOOZZ		41024	21022103-150IN.	.SEAL, NONMETALLIC SP MAKE FROM SEAL, P/N 21022103,150 INCHES LONG... UOC:XAA, UUU	1
13	PAOZZ	5310012059056	34623	5581321	.WASHER, FLAT 5/8 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619..... UOC:XAA, UUU	1
14	PAOZZ	2540012001995	19207	12301365	.HANDLE, DOOR, VEHICULAR PART OF KIT P/N 5705618 PART OF KIT P/N 5705619..... UOC:XAA, UUU	1
15	PAOZZ	5305009881725	96906	MS35206-281	.SCREW, MACHINE 1/4-20 X 3/4..... UOC:XAA, UUU	1
16	PAOZZ	5305000711215	96906	MS51957-79	.SCREW, MACHINE 1/4-20 X 1/2..... UOC:XAA, UUU	3
17	PAOZZ	5340012059021	19207	12340193-1	.LEAF, BUTT HINGE L.H..... UOC:XAA, UUU	2
17	PAOZZ	53400120549022	19207	12340193-2	.LEAF, BUTT HINGE R.H..... UOC:XAA, UUU	2
18	PAOZZ	5325013571080	19207	12340212-3	.FASTENER, SLIDE, INTERIOR..... UOC:XAA, UUU	1
19	PAOZZ	5340012547189	19207	12340201	.LOOP, STRAP FASTENER..... UOC:XAA, UUU	1
20	PAOZZ	5340012569318	41024	41256040	.LOOP, STRAP, FASTENER L.H..... UOC:XAA, UUU	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0227 00 (7) QTY
20	PAOZZ	5340012559919	34623	5595217	.LOOP, STRAP FASTENER R.H..... UOC:XAA, UUU	1
21	PAOZZ	5310000614650	96906	MS51943-31	.NUT, SELF-LOCKING, HEAD 1/4-20..... UOC:XAA, UUU	4

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

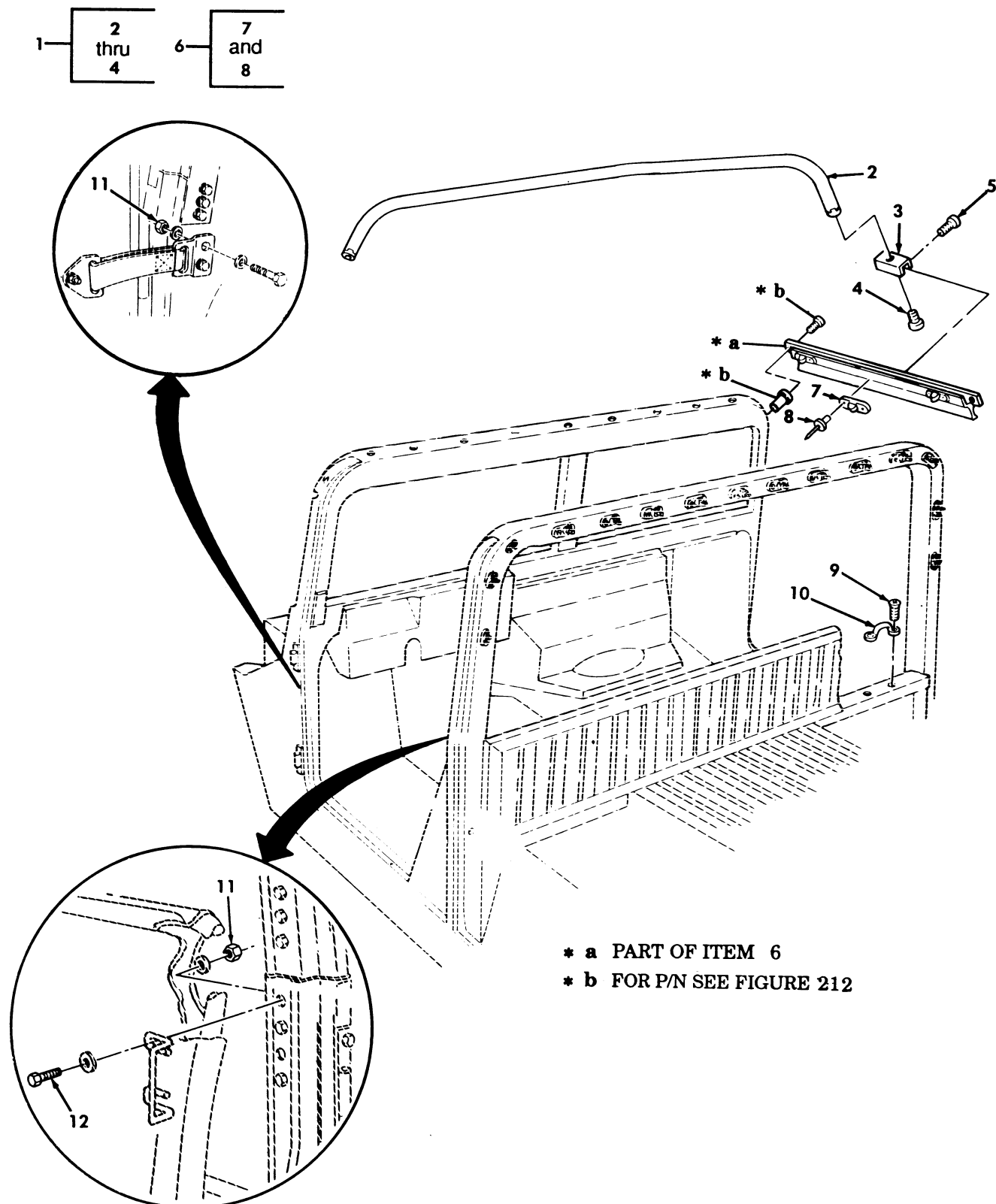


Figure 227. Two-Man Crew Soft Top Enclosure, Bow, and Mounting Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0228 00 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227 TWO-MAN CREW SOFT TOP ENCLOSURE, BOW, AND MOUNTING COMPONENTS	
1	PAOZZ	2540011996759	19207	12340682	BOW,VEHICULAR TOP PART OF KIT P/N 57K0112 PART OF KIT P/N 57K3496 PART OF KIT P/N 57K0156 PART OF KIT P/N 57K0162.....	1
					UOC:XAA, UUU	
2	PAOZZ	2540012064115	19207	12340713	.BOW, VEHICULAR TOP.....	1
					UOC:XAA, UUU	
3	PFOZZ	5340012043862	19207	12340239	.STRAP, RETAINING.....	2
					UOC:XAA, UUU	
4	PAOZZ	5305012038346	34623	5581439	.SCREW, CAP, SOCKET HEAD 1/4-20 X 3/8..	2
					UOC:XAA, UUU	
5	PAOZZ	5305009897434	96906	MS35207-263	SCREW, MACHINE #10-32 X 1/2 PART OF KIT P/N 57K0112 PART OF KIT P/N 57K3496 PART OF KIT P/N 57K0156 PART OF KIT P/N 57K0162.....	4
					UOC:XAA, UUU	
6	PFOZZ	2590011982895	34623	5581371	HANDRAIL,VEHICULAR L.H. PART OF KIT P/N 570112 PART OF KIT P/N 57K3496 PART OF KIT P/N 57K0156 PART OF KIT P/N 57K0162.....	1
					UOC:XAA, UUU	
6	PFOZZ	2590011974898	34623	5581372	HANDRAIL, VEHICULAR R.H. PART OF KIT P/N 570112 PART OF KIT P/N 57K3496 PART OF KIT P/N 57K0156 PART OF KIT P/N 57K0162.....	1
					UOC:XAA, UUU	
7	PAOZZ	5325008235999	13940	XB78323-05001	.STUD, TURNBUTTON FASTENER L.H. AND R.H.	6
					UOC:XAA, UUU	
8	PAOZZ	5320000835009	81349	M24243/1-A403	.RIVET, BLIND 1/8, L.H. AND R.H.....	12
					UOC:XAA, UUU	
9	PAOZZ	5305011993371	16941	PL25J02P12	SCREW, CAP, SOCKET HEAD #10-32 X 3/4...	4
					UOC:XAA, UUU	
10	PAOZZ	5340011978673	19207	12338839-4	HANDLE, BOW REAR.....	2
					UOC:XAA, UUU	
11	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-24, PART OF P/N 570112 PART OF KIT P/N 57K3496 PART OF KIT P/N 57K0156 PART OF KIT P/N 57K0162.....	8
					UOC:XAA, UUU	
12	PAOZZ	5306001822027	88044	AN5H10A	BOLT, MACHINE PART OF KIT P/N 57K0112 PART OF KIT P/N 57K3496 PART OF KIT P/N 57K0156 PART OF KIT P/N 57K0162.	4
					UOC:XAA, UUU	
KIT	PDOZZ	2540013160892	19207	57K0112	COVER, FITTED, VEHICULAR GREEN.....	1
					UOC:XAA, UUU	
					BOLT, MACHINE (4) 227-12	

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	(7) QTY
					BOW, VEHICULAR TOP (1) 227-1	
					COVER, FITTED, VEHICULAR(1) 226-1	
					CURTAIN, VEHICULAR (1) 226-4	
					DOOR, VEHICULAR (1) 226-7	
					DOOR, VEHICULAR (1) 226-7	
					HANDRAIL, VEHICULAR (1) 227-6	
					HANDRAIL, VEHICULAR (1) 227-6	
					NUT, SELF-LOCKING, HEAD(8) 227-11	
					SCREW, MACHINE (4) 227-5	
KIT PDOZZ	2540014348600	19207	57K3496		COVER, FITTED, VEHICULAR CAMOUFLAGE..	1
					UOC:XAA, UUU	
					BOLT, MACHINE (4) 227-12	
					BOW, VEHICULAR TOP (1) 227-1	
					COVER, FITTED, VEHICULAR(1) 226-1	
					CURTAIN, VEHICULAR (1) 226-4	
					DOOR, VEHICULAR (1) 226-7	
					DOOR, VEHICULAR (1) 226-7	
					HANDRAIL VEHICULAR (1) 227-6	
					HANDRAIL VEHICULAR (1) 227-6	
					NUT, SELF-LOCKING, HEAD(8) 227-11	
					SCREW, MACHINE (4) 227-5	
KIT PDOZZ	2540013298072	19207	57K0156		COVER, FITTED, VEHICULAR TAN.....	1
					UOC:XAA, UUU	
					BOLT, MACHINE (4) 227-12	
					BOW, VEHICULAR TOP (1) 227-1	
					COVER, FITTED, VEHICULAR(1) 226-1	
					CURTAIN, VEHICULAR (1) 226-4	
					DOOR, VEHICULAR (1) 226-7	
					DOOR, VEHICULAR (1) 226-7	
					HANDRAIL VEHICULAR (1) 227-6	
					HANDRAIL VEHICULAR (1) 227-6	
					NUT, SELF-LOCKING, HEAD(8) 227-11	
					SCREW, MACHINE (4) 227-5	
KIT PDOZZ	2540013994692	19207	57K0162		COVER, FITTED, VEHICULAR WHITE.....	1
					UOC:XAA, UUU	
					BOLT, MACHINE (4) 227-12	
					BOW, VEHICULAR TOP (1) 227-1	
					COVER, FITTED, VEHICULAR(1) 226-1	
					CURTAIN, VEHICULAR (1) 226-4	
					DOOR, VEHICULAR (1) 226-7	
					DOOR, VEHICULAR (1) 226-7	
					HANDRAIL VEHICULAR (1) 227-6	
					HANDRAIL VEHICULAR (1) 227-6	
					NUT, SELF-LOCKING, HEAD(8) 227-11	
					SCREW, MACHINE (4) 227-5	

END OF FIGURE

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

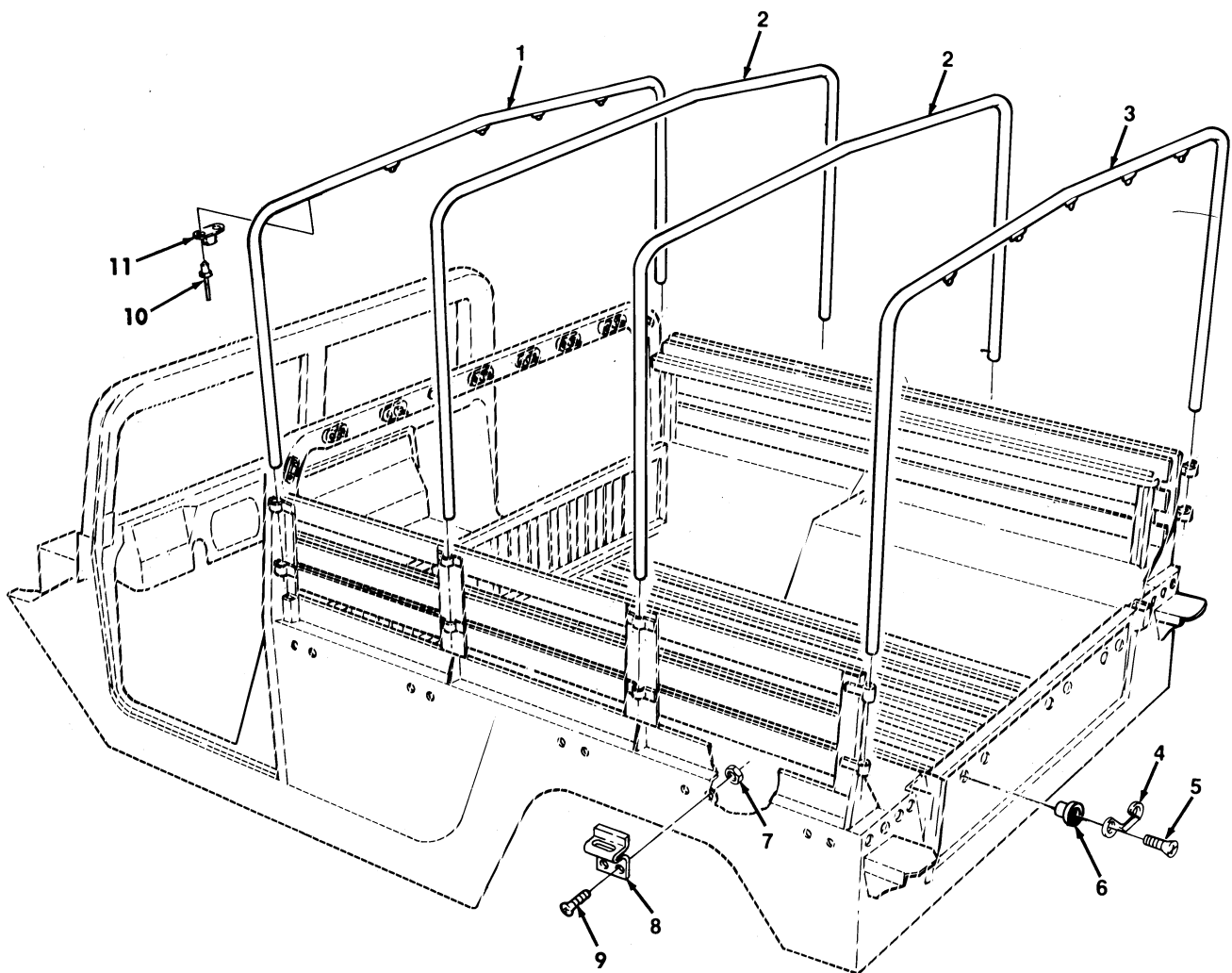
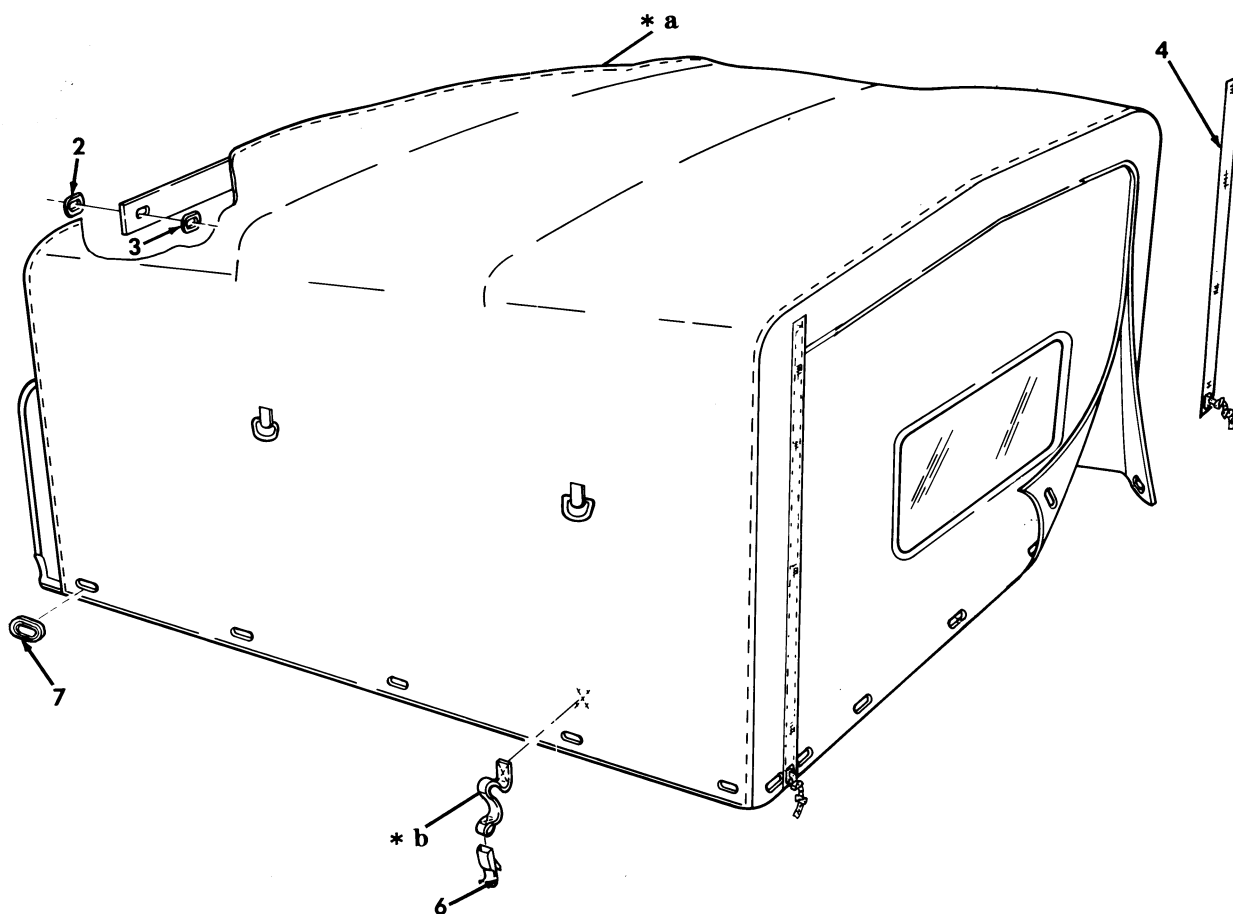
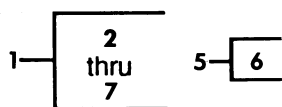


Figure 227A. Troop Area Soft Top Enclosure, Bows, and Mounting Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0228 01 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227A TROOP AREA SOFT TOP ENCLOSURE, BOWS, AND MOUNTING COMPONENTS	
1	PFOZZ	2540012006611	19207	12340764-2	BOW, VEHICULAR TOP FRONT, GREEN, (PAINT TAN OR WHITE IF REQUIRED) PART OF KIT P/N 12340744 PART OF KIT P/N 57K0160 PART OF KIT P/N 57K3500 PART OF KIT P/N 57K0157.....	1
					UOC:UUU	
2	PFOZZ	2540011996760	19207	12340747	BOW, VEHICULAR TOP GREEN, (PAINT TAN OR WHITE IF REQUIRED) PART OF KIT P/N 12340744 PART OF KIT P/N 57K0160 PART OF KIT P/N 57K3500 PART OF KIT P/N 57K0157.....	2
					UOC:UUU	
3	PFOZZ	2540011996761	19207	12340764-1	BOW, VEHICULAR TOP GREEN, (PAINT TAN OR WHITE IF REQUIRED) PART OF KIT P/N 12340744 PART OF KIT P/N 57K0160 PART OF KIT P/N 57K3500 PART OF KIT P/N 57K0157.....	1
					UOC:UUU	
4	PAOZZ	5340013145957	19207	12338839-1	LOOP, STRAP FASTENER PART OF KIT P/N 57K3499.....	3
					UOC:UUU	
5	PAOZZ	5305011993371	16941	PL25J02P12	SCREW, CAP, SOCKET HEAD #10-32 X 3/4...	6
					UOC:UUU	
6	PFOZZ	5310011981723	19207	12339998-14	NUT, PLAIN, BLIND RIVET #10-32.....	6
					UOC:UUU	
7	PAOZZ	5310001249265	72582	271169	NUT, PLAIN, ASSEMBLED #10-32.....	20
					UOC:UUU	
8	PAOZZ	5340012609027	34623	5593625	LOOP, STRAP FASTENER.....	10
					UOC:UUU	
9	PAOZZ	5305014077713	24617	160052	SCREW, MACHINE #10-32 X 5/8.....	20
					UOC:UUU	
10	PAOZZ	5320010232529	81349	M24243/1-A404	RIVET, BLIND.....	20
					UOC:UUU	
11	PAOZZ	5325008235999	13940	XB78323-05001	STUD, TURNBUTON FASTENER.....	10
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



* a PART OF ITEM 1
* b PART OF ITEM 5

Figure 227B. Troop Area Soft Top Enclosure.

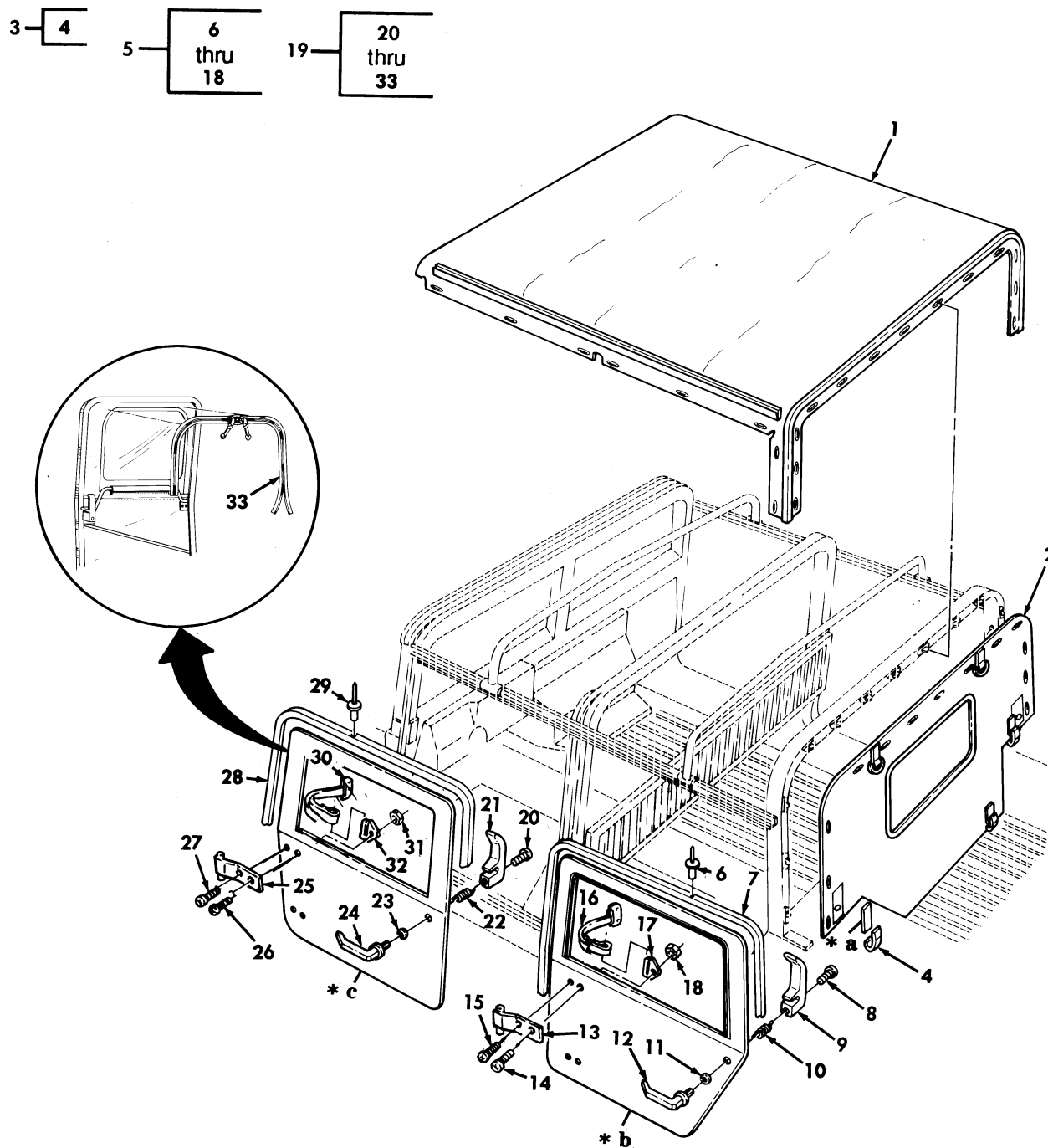
(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 02 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227B TROOP AREA SOFT TOP ENCLOSURE	
1	PAOFF	2540011893457	19207	12340761	COVER, FITTED, VEHICULAR GREEN PART OF KIT P/N 12340744.....	1
					UOC:UUU	
1	PAOFF	2540014504015	19207	12340761-9	COVER, FITTED, VEHICULAR CAMOUFLAGE PART OF KIT P/N 57K3500.....	1
					UOC:UUU	
1	PAOFF	2540014507686	19207	12340761-3	COVER, FITTED, VEHICULAR WHITE PART OF KIT P/N 57K0160.....	1
					UOC:UUU	
1	PAOFF	2540013306169	19207	12340761-2	COVER, FITTED, VEHICULAR TAN PART OF KIT P/N 57K0157.....	1
					UOC:UUU	
2	PAFZZ	5325002818643	13940	91-BS-78403	.SOCKET, TURNBUTTON F.....	19
					UOC:UUU	
3	PAFZZ	5325003718108	13940	BS 78505	.CLINCH PLATE, TURNBUTTON.....	19
					UOC:UUU	
4	PAFZZ	2590013162581	38506	52252	.MODIFICATION KIT, VEHICLE.....	2
					UOC:UUU	
5	PAFZZ	5340014141454	19207	12340517-1	.STRAP, RETAINING.....	17
					UOC:UUU	
6	PAOZZ	5340012036542	31272	44702-10	..BUCKLE.....	1
					UOC:UUU	
7	PAOZZ	5325014374175	19207	12340526	.GROMMET, NONMETALLIC.....	17
					UOC:UUU	
KIT	PAOZZ	2540014504022	19207	57K0160	COVER, FITTED, VEHICULAR WHITE.....	1
					UOC:UUU	
					BOW, VEHICULAR TOP (1) 227A-1	
					BOW, VEHICULAR TOP (2) 227A-2	
					BOW, VEHICULAR TOP (1) 227A-3	
					COVER, FITTED, VEHICULAR(1) 227B-1	
KIT	PAOZZ	2540014348602	19207	57K3500	COVER, FITTED, VEHICULAR STANDARD CAMOUFLAGE, TROOP AREA ENCLOSURE.....	1
					UOC:UUU	
					BOW, VEHICULAR TOP (1) 227A-1	
					BOW, VEHICULAR TOP (2) 227A-2	
					BOW, VEHICULAR TOP (1) 227A-3	
					COVER, FITTED, VEHICULAR(1) 227B-1	
KIT	PDOZZ	2540013298073	19207	57K0157	PARTS KIT, SOFT TOP ASSEMBLY, TROOP AREA, TAN.....	1
					UOC:UUU	
					BOW, VEHICULAR TOP (1) 227A-1	
					BOW, VEHICULAR TOP (2) 227A-2	
					BOW, VEHICULAR TOP (1) 227A-3	
					COVER, FITTED, VEHICULAR(1) 227B-1	
KIT	PDOZZ	2540011910973	19207	12340744	PARTS KIT, SOFT TOP ASSEMBLY, TROOP AREA, GREEN.....	1
					UOC:UUU	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0228 02 (7) QTY
					BOW, VEHICULAR TOP (1) 227A-1	
					BOW, VEHICULAR TOP (1) 227A-2	
					BOW, VEHICULAR TOP (1) 227A-3	
					COVER, FITTED, VEHICULAR (1) 227B-1	

END OF FIGURE

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



- * a PART OF ITEM 3
- * b PART OF ITEM 5
- * c PART OF ITEM 19

Figure 227C. Four Man Crew Soft Top Enclosure, Top Assembly, Rear Curtain, and Door Assemblies.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 03 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227C FOUR MAN CREW SOFT TOP ENCLOSURE, TOP ASSEMBLY, REAR CURTAIN, AND DOOR ASSEMBLIES	
1	PAOFF	2540011893706	19207	12340676	TOP ASSEMBLY, TRUCK GREEN PART OF KIT P/N 57K0123.....	1
					UOC:UUU	
1	PAOFF	2540013306177	19207	12340676-11	TOP ASSEMBLY, TRUCK TAN PART OF KIT P/N 57K0155.....	1
					UOC:UUU	
1	PAOFF	2540014504019	19207	12340676-31	TOP ASSEMBLY TRUCK CAMOUFLAGE PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
1	PAOFF	2540014122661	19207	12340676-21	TOP ASSEMBLY TRUCK WHITE PART OF KIT P/N 57K0161.....	1
					UOC:UUU	
2	PAOFF	2540013142782	19207	12342475	CURTAIN, VEHICULAR GREEN PART OF KIT P/N 57K0123.....	1
					UOC:UUU	
2	PAOFF	2540014505477	19207	12342475-6	CURTAIN, VEHICULAR CAMOUFLAGE PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
2	PAOFF	2540013306172	19207	12342475-1	CURTAIN, VEHICULAR TAN PART OF KIT P/N 57K0155.....	1
					UOC:UUU	
2	PAOFF	2540014131356	19207	12342475-2	CURTAIN, VEHICULAR WHITE PART OF KIT P/N 57K0161.....	1
					UOC:UUU	
3	PFOZZ	5340014141454	19207	12340517-1	STRAP, RETAINING.....	4
					UOC:UUU	
4	PAOZZ	5340012036542	31272	44702-10	.BUCKLE.....	1
					UOC:UUU	
5	PAOFF	2510011893460	19207	12340245-1	DOOR ASSEMBLY,VEHICULAR R.H., GREEN PART OF KIT P/N 57K0123.....	1
					UOC:UUU	
5	PAOFF	2510011893459	19207	12340245-2	DOOR ASSEMBLY,VEHICULAR L.H., GREEN PART OF KIT P/N 57K0123.....	1
					UOC:UUU	
5	PAOFF	2510013306176	19207	12340245-3	DOOR ASSEMBLY, VEHICULAR R.H., TAN PART OF KIT P/N 57K0155.....	1
					UOC:UUU	
5	PAOFF	2510013306576	19207	12340245-4	DOOR ASSEMBLY, VEHICULAR L.H., TAN PART OF KIT P/N 57K0155.....	1
					UOC:UUU	
5	PAOFF	2510014126761	19207	12340245-5	DOOR ASSEMBLY,VEHICULAR R.H., WHITE PART OF KIT P/N 57K0161.....	1
					UOC:UUU	
5	PAOFF	2510014138872	19207	12340245-6	DOOR ASSEMBLY,VEHICULAR L.H., WHITE PART OF KIT P/N 57K0161.....	1
					UOC:UUU	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 03 (7) QTY
5	PAOFF	2510014505482	19207	12340245-7	DOOR ASSEMBLY,VEHICULAR R.H., CAMOUFLAGE PART OF KIT P/N 57K3501..... UOC:UUU	1
5	PAOFF	2510014505483	19207	12340245-8	DOOR ASSEMBLY,VEHICULAR L.H., CAMOUFLAGE PART OF KIT P/N 57K3501..... UOC:UUU	1
6	PAOZZ	5320010232529	81349	M24243/1A404	.RIVET, BLIND 1/8..... UOC:UUU	18
7	MOOZZ		41024	21022013-150IN.	.SEAL, NONMETALLIC SP MAKE FROM SEAL, P/N 21022103,150 INCHES LONG... UOC:UUU	1
8	PAOZZ	5305000711327	96906	MS51960-70	.SCREW, MACHINE #10-32 X 1.25 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619..... UOC:UUU	1
9	PAOZZ	2540012001994	34623	5581320	.HANDLE, DOOR, VEHICULAR REAR, R.H. PART OF KIT P/N 5705618..... UOC:UUU	1
9	PAOZZ	2540012037721	19207	12301363-2	.HANDLE, DOOR, VEHICULAR REAR, L.H. PART OF KIT P/N 5705619..... UOC:UUU	1
10	PAOZZ	5360013157212	19207	12356764-1	.SPRING, HELICAL, TORSIONER L.H. PART OF KIT P/N 5705619..... UOC:UUU	1
10	PAOZZ	5360013157211	19207	12356764-2	.SPRING, HELICAL, TORSIONER R.H. PART OF KIT P/N 5705618..... UOC:UUU	1
11	PAOZZ	5310012059056	34623	5581321	.WASHER, FLAT PART OF KIT P/N 5705618 PART OF KIT P/N 5705619..... UOC:UUU	1
12	PAOZZ	2540012001995	19207	12301365	.HANDLE, DOOR, VEHICULAR PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.... UOC:UUU	1
13	PAOZZ	5340012059021	19207	12340193-1	.LEAF, BUTT HINGE REAR, L.H..... UOC:UUU	2
13	PFOZZ	5340012059022	19207	12340193-2	.LEAF, BUTT HINGE REAR, R.H..... UOC:UUU	2
14	PAOZZ	5305009881725	96906	MS35206-281	.SCREW, MACHINE 1/4-20 X 3/4..... UOC:UUU	1
15	PAOZZ	5305000711315	96906	MS51957-79	.SCREW, MACHINE 1/4-20 X 1/2..... UOC:UUU	3
16	PAOZZ	5340012547189	19207	12340201	.LOOP, STRAP FASTENER..... UOC:UUU	1
17	PAOZZ	5340012569318	41024	41256040	.LOOP, STRAP FASTENER L.H..... UOC:UUU	1
17	PAOZZ	5340012559919	34623	5595217	.LOOP, STRAP FASTENER R.H..... UOC:UUU	1
18	PAOZZ	5310011520598	24617	271172	.NUT, SELF-LOCKING, ASSEMBLY 1/4 X 20.. UOC:UUU	4
19	PAOFF	2510011899724	34623	5581348	DOOR ASSEMBLY, VEHICULAR GREEN, FRONT, L.H. PART OF KIT P/N 57K0123..... UOC:UUU	1

0228 03-2

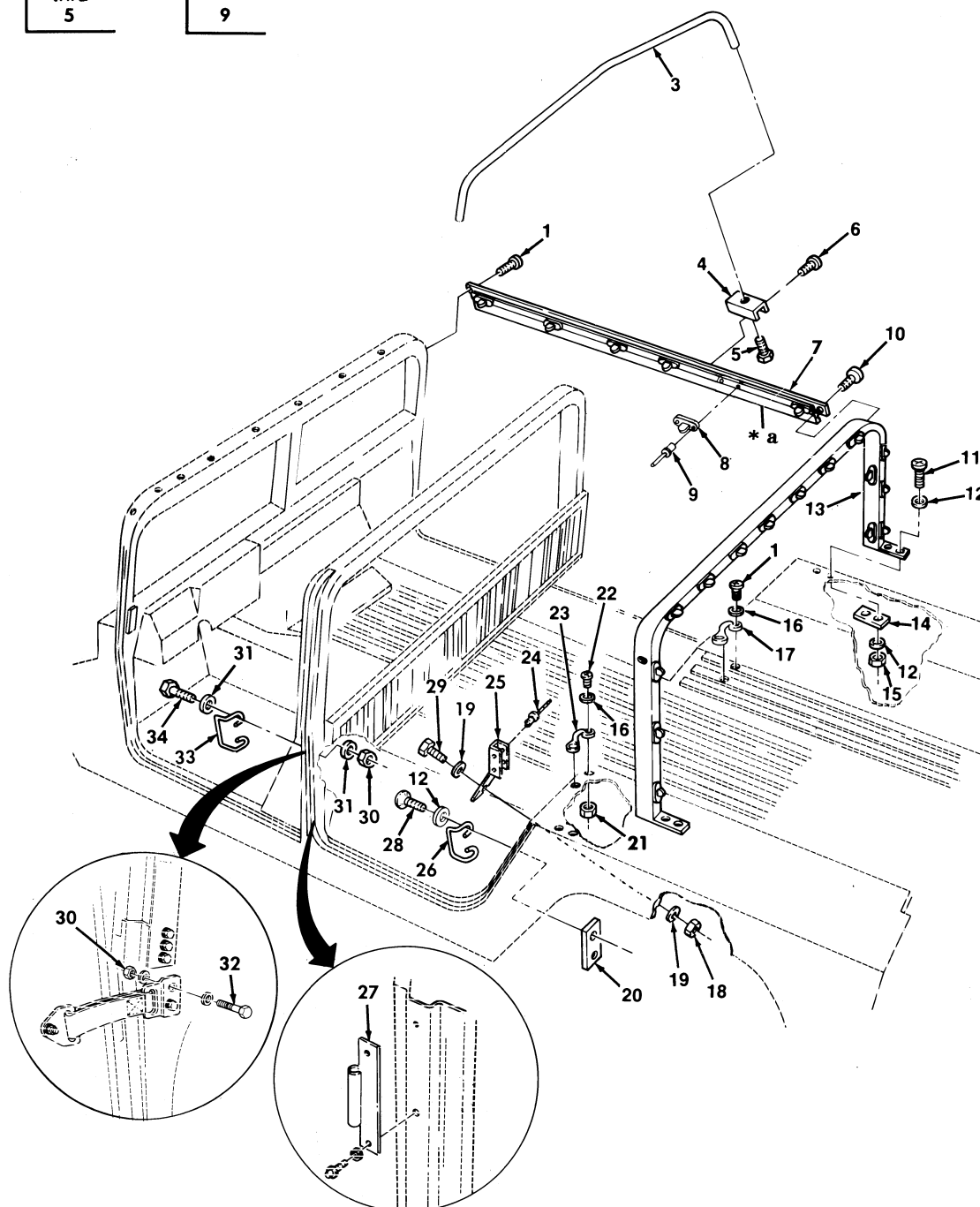
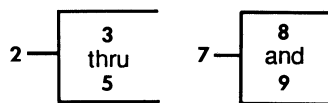
SMI 9-2320-387-14&P-1					0228 03	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
19	PAOFF	2510014505480	19207	12340231-10	DOOR, VEHICULAR CAMOUFLAGE L.H. PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
19	PAOFF	2510011899725	34623	5581349	DOOR, VEHICULAR GREEN, FRONT ,R.H. PART OF KIT P/N 57K0123.....	1
					UOC:UUU	
19	PAOFF	2510014505479	19207	12340231-11	DOOR, VEHICULAR CAMOUFLAGE R.H. PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
19	PAOFF	2510013306174	19207	12340231-3	DOOR, VEHICULAR L.H., TAN PART OF KIT P/N 57K0155.....	1
					UOC:UUU	
19	PAOFF	2510013306175	19207	12340231-4	DOOR, VEHICULAR R.H., TAN PART OF KIT P/N 57K0155.....	1
					UOC:UUU	
19	PAOFF	2510014076037	34623	12340231-5	DOOR, VEHICULAR L.H., WHITE PART OF KIT P/N 57K0161.....	1
					UOC:UUU	
19	PAOFF	2510014076036	34623	12340231-6	DOOR, VEHICULAR R.H., WHITE PART OF KIT P/N 57K0161.....	1
					UOC:UUU	
20	PAOZZ	5305000711327	96906	MS51960-70	.SCREW, MACHINE #10-32 X 1.25 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.....	1
					UOC:UUU	
21	PAOZZ	2540012001994	34623	5581320	.HANDLE, DOOR, VEHICULAR R.H. PART OF KIT P/N 5705618.....	1
					UOC:UUU	
21	PAOZZ	2540012037721	34623	5581319	.HANDLE, DOOR, VEHICULAR L.H. PART OF KIT P/N 5705619.....	1
					UOC:UUU	
22	PAOZZ	5360013157212	19207	12356764-1	.SPRING, HELICAL, TORSIONER L.H. PART OF KIT P/N 5705619.....	1
					UOC:UUU	
22	PAOZZ	5360013157211	19207	12356764-2	.SPRING, HELICAL, TORSIONER R.H. PART OF KIT P/N 5705618.....	1
					UOC:UUU	
23	PAOZZ	5310012059056	34623	5581321	.WASHER, FLAT .622 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.....	1
					UOC:UUU	
24	PAOZZ	2540012001995	19207	12301365	.HANDLE, DOOR, VEHICULAR L.H. AND R.H. PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.....	1
					UOC:UUU	
25	PAOZZ	5340012059021	19207	12340193-1	.LEAF, BUTT HINGE L.H.....	2
					UOC:UUU	
25	PFOZZ	5340012059022	19207	12340193-2	.LEAF, BUTT HINGE R.H.....	2
					UOC:UUU	
26	PAOZZ	5305009881725	96906	MS35206-281	.SCREW, MACHINE 1/4-20 X 3/4.....	1
					UOC:UUU	
27	PAOZZ	5305000711315	96906	MS51957-79	.SCREW, MACHINE 1/4-20 X 1/2.....	3
					UOC:UUU	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0228 03 (7) QTY
28	MOOZZ		41024	21022103-150IN.	.SEAL, NONMETALLIC SP MAKE FROM SEAL, P/N 21022103,150 INCHES LONG... UOC:UUU	1
29	PAOZZ	5320010232529	81349	M24243/1A404	.RIVET, BLIND 1/8..... UOC:UUU	18
30	PAOZZ	5340012547189	19207	12340201	.LOOP, STRAP FASTENER PART OF KIT P/N 5705618..... UOC:UUU	1
31	PAOZZ	5310011520598	24617	271172	.NUT, SELF-LOCKING, ASSEMBLY 1/4-20.. UOC:UUU	4
32	PAOZZ	5340012569318	41024	41256040	.LOOP, STRAP FASTENER L.H..... UOC:UUU	1
32	PAOZZ	5340012559919	34623	5595217	.LOOP, STRAP FASTENER R.H..... UOC:UUU	1
33	PAFZZ	5325013571080	19207	12340212-3	.FASTENER, SLIDE, INTERIOR..... UOC:UUU	1

END OF FIGURE

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



* a PART OF ITEM 7

Figure 227D. Four Man Crew Soft Top Enclosure, Bows, and Mounting Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 04 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227D FOUR MAN CREW SOFT TOP ENCLOSURE, BOWS, AND MOUNTING COMPONENTS	
1	PAOZZ	5305012106249	16941	PL25S02P12	SCREW, CAP, HEXAGON HEAD #10-32 X 3/4.	14
					UOC:UUU	
2	PFOZZ	2540011996759	19207	12340682	BOW, VEHICULAR TOP PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	2
					UOC:UUU	
3	PAOZZ	2540012064115	19207	12340713	.BOW, VEHICULAR TOP.....	1
					UOC:UUU	
4	PFOZZ	5340012043862	19207	12340239	.STRAP, RETAINING.....	2
					UOC:UUU	
5	PAOZZ	5305012038346	34623	5581439	.SCREW, CAP, SOCKET HEAD 1/4-20 X 3/8.	2
					UOC:UUU	
6	PAOZZ	5305000593659	96906	MS51958-63	SCREW, MACHINE #10-32 X 1/2 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	8
					UOC:UUU	
7	PFOZZ	2590011961290	19207	12340222-1	HANDRAIL, VEHICULAR L.H., GREEN PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
7	PFOZZ	2590011965314	19207	12340222-2	HANDRAIL, VEHICULAR R.H., GREEN PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
8	PAOZZ	5325008235999	13940	XB8323-05001	.STUD, TURNBUTTON FASTENER L.H. AND R.H	3
					UOC:UUU	
9	PAOZZ	5320000835009	81349	M24243/1-A403	.RIVET, BLIND L.H. AND R.H.....	6
					UOC:UUU	
10	PAOZZ	5305011173396	80205	NAS1635-3LE12	SCREW, CAP, SOCKET HE #10-32 X 3/4 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/K 57K3501.....	2
					UOC:UUU	
11	PAOZZ	5305000680509	80204	B1821BH025C125N	SCREW, CAP, HEXAGON HEAD 1/4-20 X 1.25..	4
					UOC:UUU	
12	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4.....	8
					UOC:UUU	
13	PFOZZ	2540011961291	19207	12340679	BOW, VEHICULAR TOP PART OF KIT P/N PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/K 57K3501.....	1
					UOC:UUU	

SMI 9-2320-387-14&P-1					0228 04	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
14	PAOZZ	5340012559510	19207	12339009	PLATE, MENDING.....	2
					UOC:UUU	
15	PAOZZ	5310014326727	24617	9419471	NUT, SELF-LOCKING, HEAD 1/4-20 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	4
					UOC:UUU	
16	PAOZZ	5310012349416	96906	MS51412-2	WASHER, FLAT #10.....	2
					UOC:UUU	
17	PFOZZ	2510011995748	19207	12338839-8	LOOP, FOOTMAN, FLAT PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	2
					UOC:UUU	
18	PAOZZ	5310004838791	96906	MS17829-4F	NUT, SELF-LOCKING, HEAD #10-32 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	2
					UOC:UUU	
19	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	4
					UOC:UUU	
20	PAOZZ	5340011975477	19207	12339006	RETAINER, ASSEMBLED.....	2
					UOC:UUU	
21	PAOZZ	5310001249265	72582	271169	NUT, PLAIN ASSEMBLED #10-32.....	4
					UOC:UUU	
22	PAOZZ	5305011850114	7X677	157166	SCREW #10-32 X 3/4 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	4
					UOC:UUU	
23	PAOZZ	5340011978673	19207	12338839-4	HANDLE, BOW ORDER NSN 5340-01-197-8673 AND PAINT TAN PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	2
					UOC:UUU	
24	PAOZZ	5320010341884	11815	CR3243-6-5	RIVET, BLIND PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	8
					UOC:UUU	
25	PAOZA	5340014309239	19207	12447124-1	BRACKET, MOUNTING R.H. PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
25	PAOZA	5340014309240	19207	12447123-1	BRACKET, MOUNTING L.H. PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501.....	1
					UOC:UUU	
26	PAOZZ	5310012087670	19207	12340182-1	STRIKER, LATCH, DOOR L.H. PART OF KIT	1

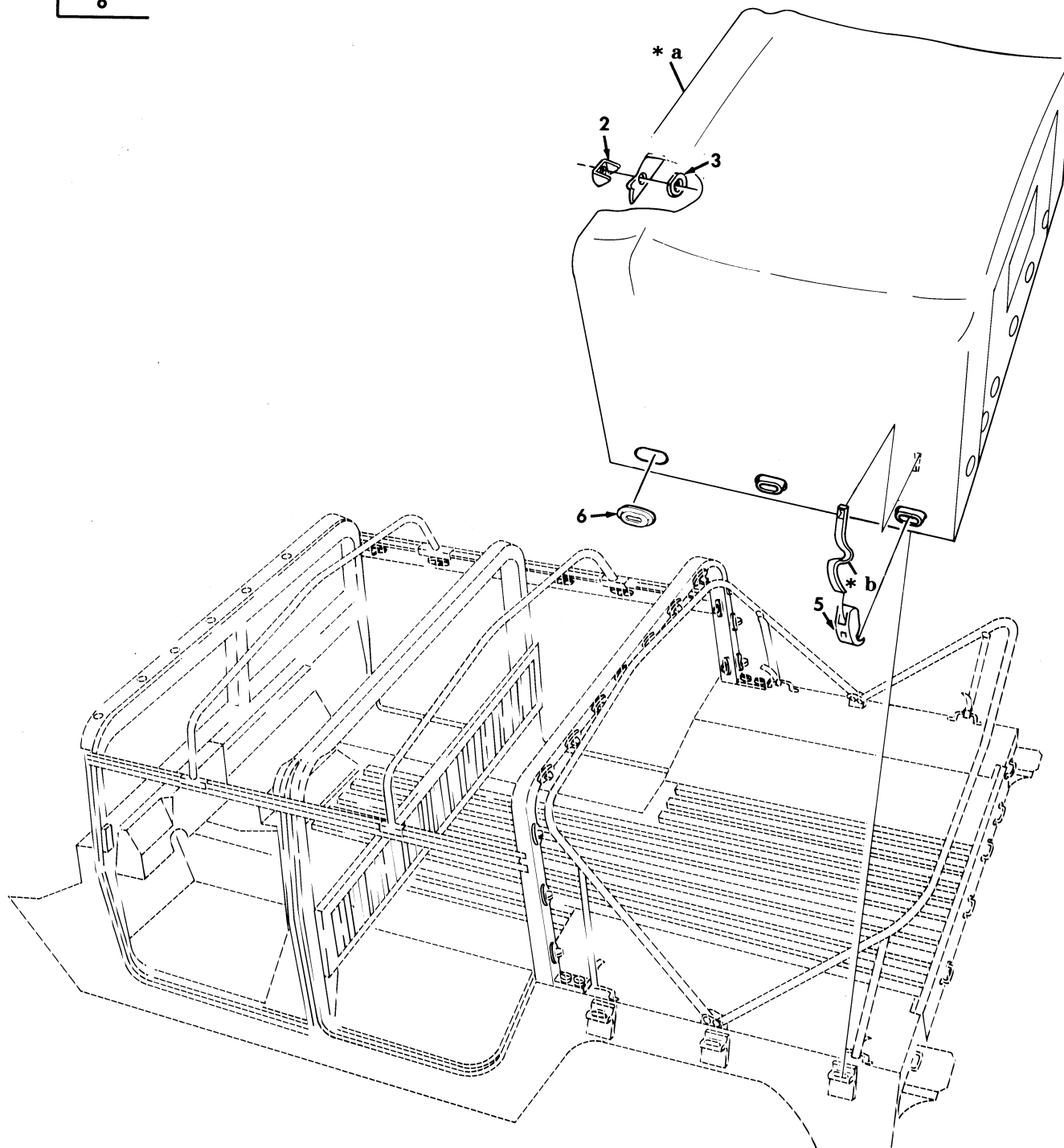
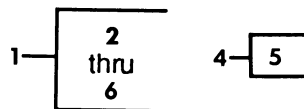
(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 04 (7) QTY
					P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501..... UOC:UUU	
27	PAOZZ	5342012032822	19207	12338650	MOUNT, RESILENT PART OF KIT P/N P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501..... UOC:UUU	4
28	PAOZZ	5305009881725	96906	MS35206-281	SCREW, MACHINE 1/4-20 X 3/4..... UOC:UUU	4
29	PAOZZ	5306000514077	80204	B1821BH031F113N	BOLT, MACHINE 5/16-24 X 1-1/8 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501..... UOC:UUU	4
30	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-24 PART OF 12 KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART 57K3501..... UOC:UUU	12
31	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 5/16..... UOC:UUU	8
32	PAOZZ	5306001802748	88044	AN5H7	BOLT, MACHINE 5/16-24 X 1.00 PART OF KIT P/N 57K0123 PART OF KIT P/N 57K0155 PART OF KIT P/N 57K0161 PART OF KIT P/N 57K3501..... UOC:UUU	4
33	PFOZZ	5340012070717	19207	12339187	BUCKLE..... UOC:UUU	2
34	PAOZZ	5306000514077	80204	B1821BH031F113N	BOLT, MACHINE 5/16-24 X 1-1/8..... UOC:UUU	4
KIT	PAOZZ	2540013166624	19207	57K0123	COVER, FITTED, VEHICULAR GREEN..... UOC:UUU	1
					BOLT, MACHINE (4) 227D-29 BOLT, MACHINE (4) 227D-32 BOW, VEHICULAR TOP (2) 227D-2 BOW, VEHICULAR TOP (1) 227D-13 BRACKET, MOUNTING (1) 227D-25 BRACKET, MOUNTING (1) 227D-25 CURTAIN, VEHICULAR (1) 227C-2 DOOR ASSEMBLY (1) 227C-5 DOOR ASSEMBLY (1) 227C-5 DOOR, VEHICULAR (1) 227C-19 DOOR, VEHICULAR (1) 227C-19 HANDLE, BOW (2) 227D-23 HANDRAIL, VEHICULAR (1) 227D-7 HANDRAIL, VEHICULAR (1) 227D-7 LOOP, FOOTMAN, FLAT (2) 227D-17 MOUNT, RESILIENT (4) 227D-27 NUT, SELF-LOCKING, HEAD (2) 227D-15 NUT, SELF-LOCKING, HEAD (2) 227D-18 NUT, SELF-LOCKING, HEAD (12) 227D-30	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 04 (7) QTY
KIT PDOZZ 2540013298075 19207 57K0155					RIVET, BLIND (8) 227D-24	
					SCREW (4) 227D-22	
					SCREW, CAP, SOCKET HE(2) 227D-10	
					SCREW, MACHINE (8) 227D-6	
					STRIKER, LATCH, DOOR (1) 227D-26	
					STRIKER, LATCH, DOOR (1) 227D-26	
					TOP ASSEMBLY, TRUCK (1) 227C-1	
					WASHER, FLAT (4) 227D-19	
					PARTS KIT, SOFT TOP TAN.....	1
					UOC:UUU	
					BOLT, MACHINE (4) 227D-29	
					BOLT, MACHINE (4) 227D-32	
					BOW, VEHICULAR TOP (2) 227D-2	
					BOW, VEHICULAR TOP (1) 227D-13	
					BRACKET, MOUNTING (1) 227D-25	
					BRACKET, MOUNTING (1) 227D-25	
					CURTAIN, VEHICULAR (1) 227C-2	
					DOOR ASSEMBLY (1) 227C-5	
					DOOR ASSEMBLY (1) 227C-5	
					DOOR, VEHICULAR (1) 227C-19	
					DOOR, VEHICULAR (1) 227D-19	
					HANDLE, BOW (2) 227D-23	
					HANDRAIL, VEHICULAR (1) 227D-7	
					HANDRAIL, VEHICULAR (1) 227D-7	
					LOOP, FOOTMAN, FLAT (2) 227D-17	
					MOUNT, RESILIENT (4) 227D-27	
					NUT, SELF-LOCKING, HEAD(2) 227D-15	
					NUT, SELF-LOCKING, HEAD(2) 227D-18	
					NUT, SELF-LOCKING, HEAD(12) 227D-30	
					RIVET, BLIND (8) 227D-24	
					SCREW (4) 227D-22	
					SCREW, CAP, SOCKET HE(2) 227D-10	
					SCREW, MACHINE (8) 227D-6	
					STRIKER, LATCH, DOOR (1) 227D-26	
					STRIKER, LATCH, DOOR (1) 227D-26	
					TOP ASSEMBLY, TRUCK (1) 227C-1	
					WASHER, FLAT (4) 227D-19	
KIT PDOZZ 2540014120929 19207 57K0161					COVER, FITTED, VEHICULAR WHITE.....	1
					UOC:UUU	
					BOLT, MACHINE (4) 227D-29	
					BOLT, MACHINE (4) 227D-32	
					BOW, VEHICULAR TOP (2) 227D-2	
					BOW, VEHICULAR TOP (1) 227D-13	
					BRACKET, MOUNTING (1) 227D-25	
					BRACKET, MOUNTING (1) 227D-25	
					CURTAIN, VEHICULAR (1) 227C-2	
					DOOR ASSEMBLY (1) 227C-5	
					DOOR ASSEMBLY (1) 227C-5	
					DOOR, VEHICULAR (1) 227C-19	
					DOOR, VEHICULAR (1) 227C-19	
					HANDLE, BOW (2) 227D-23	
					HANDRAIL, VEHICULAR (1) 227D-7	
					HANDRAIL, VEHICULAR (1) 227D-7	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 04 (7) QTY
					LOOP, FOOTMAN, FLAT (2) 227D-17	
					MOUNT, RESILIENT (4) 227D-27	
					NUT, SELF-LOCKING, HEAD(2) 227D-15	
					NUT, SELF-LOCKING, HEAD(2) 227D-18	
					NUT, SELF-LOCKING, HEAD(12) 227D-30	
					RIVET, BLIND (8) 227D-24	
					SCREW (4) 227D-22	
					SCREW, CAP, SOCKET HE(2) 227D-10	
					SCREW, MACHINE (8) 227D-6	
					STRIKER, LATCH, DOOR (1) 227D-26	
					STRIKER, LATCH, DOOR (1) 227D-26	
					TOP ASSEMBLY, TRUCK (1) 227C-1	
					WASHER, FLAT (4) 227D-19	
KIT PAOZZ	2540014348598	19207	57K3501		COVER, FITTED, VEHICULAR STANDARD	1
					CAMOUFLAGE FOUR-MAN CREW.....	
					UOC:UUU	
					BOLT, MACHINE (4) 227D-29	
					BOLT, MACHINE (4) 227D-32	
					BOW, VEHICULAR TOP (2) 227D-2	
					BOW, VEHICULAR TOP (1) 227D-13	
					BRACKET, MOUNTING (1) 227D-25	
					BRACKET, MOUNTING (1) 227D-25	
					CURTAIN, VEHICULAR (1) 227C-2	
					DOOR ASSEMBLY (1) 227C-5	
					DOOR ASSEMBLY (1) 227C-5	
					DOOR, VEHICULAR (1) 227C-19	
					DOOR, VEHICULAR (1) 227C-19	
					HANDLE, BOW (2) 227D-23	
					HANDRAIL, VEHICULAR (1) 227D-7	
					HANDRAIL, VEHICULAR (1) 227D-7	
					LOOP, FOOTMAN, FLAT (2) 227D-17	
					MOUNT, RESILIENT (4) 227D-27	
					NUT, SELF-LOCKING, HEAD(2) 227D-15	
					NUT, SELF-LOCKING, HEAD(2) 227D-18	
					NUT, SELF-LOCKING, HEAD(12) 227D-30	
					RIVET, BLIND (8) 227D-24	
					SCREW (4) 227D-22	
					SCREW, CAP, SOCKET HE(2) 227D-10	
					SCREW, MACHINE (8) 227D-6	
					STRIKER, LATCH, DOOR (1) 227D-26	
					STRIKER, LATCH, DOOR (1) 227D-26	
					TOP ASSEMBLY, TRUCK (1) 227C-1	
					WASHER, FLAT (4) 227D-19	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



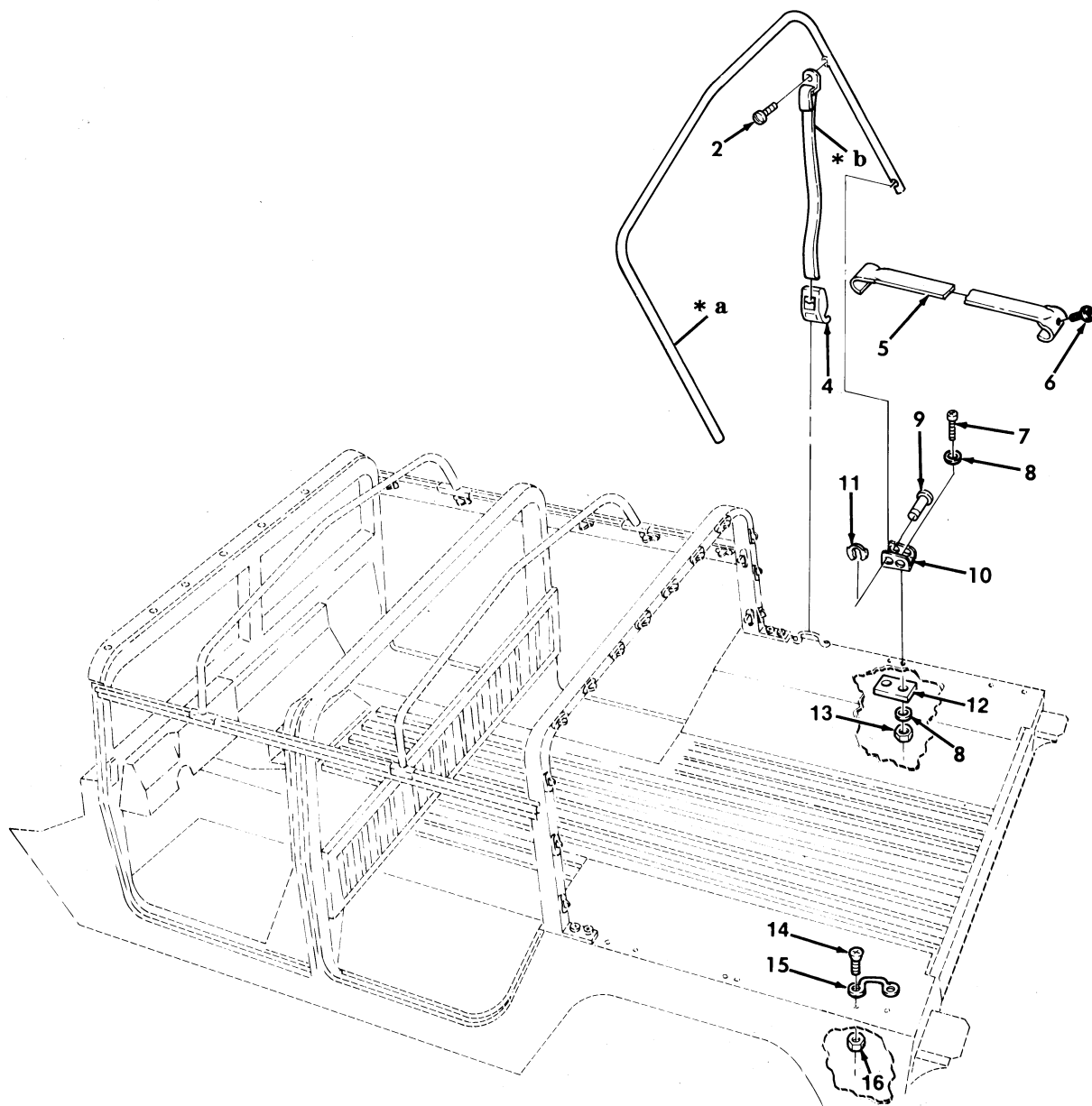
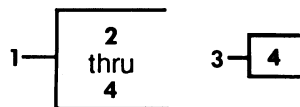
- * a PART OF ITEM 1
- * b PART OF ITEM 4

Figure 227E. Cargo Area Soft Top Enclosure, Top Assembly.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 05 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227E CARGO AREA SOFT TOP ENCLOSURE, TOP ASSEMBLY	
1	PAOFF	2540011893707	19207	12340777	TOP ASSEMBLY, TRUCK GREEN PART OF KIT P/N 12340765.....	1
					UOC:UUU	
1	PAOFF	2540014504020	19207	12340777-10	COVER, FITTED, VEHICULAR WHITE PART OF KIT P/N 57K0163.....	1
					UOC:UUU	
1	PAOFF	2540014504024	19207	12340777-15	COVER, FITTED, VEHICULAR CAMOUFLAGE PART OF KIT P/N 57K3499.....	1
					UOC:UUU	
1	PAOFF	2540013306170	19207	12340777-5	COVER, FITTED, VEHICULAR CARGO AREA, TAN PART OF KIT P/N 57K0158.....	1
					UOC:UUU	
2	PAFZZ	5325002818643	13940	91-BS-78403	.SOCKET, TURNBUTTON F.....	5
					UOC:UUU	
3	PAFZZ	5325003718108	13940	BS 78505	.CLINCH PLATE, TURNBUTTON.....	5
					UOC:UUU	
4	PAFZZ	5340014141454	19207	12340517-1	.STRAP, RETAINING.....	13
					UOC:UUU	
5	PAOZZ	5340012036542	31272	44702-10	..BUCKLE.....	1
					UOC:UUU	
6	PAOZZ	5325011992254	34623	5581315	.GROMMET, NONMETALLIC.....	13
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



- * a PART OF ITEM 1
- * b PART OF ITEM 3

Figure 227F. Cargo Area Soft Top Enclosure, Bows, and Mounting Components.

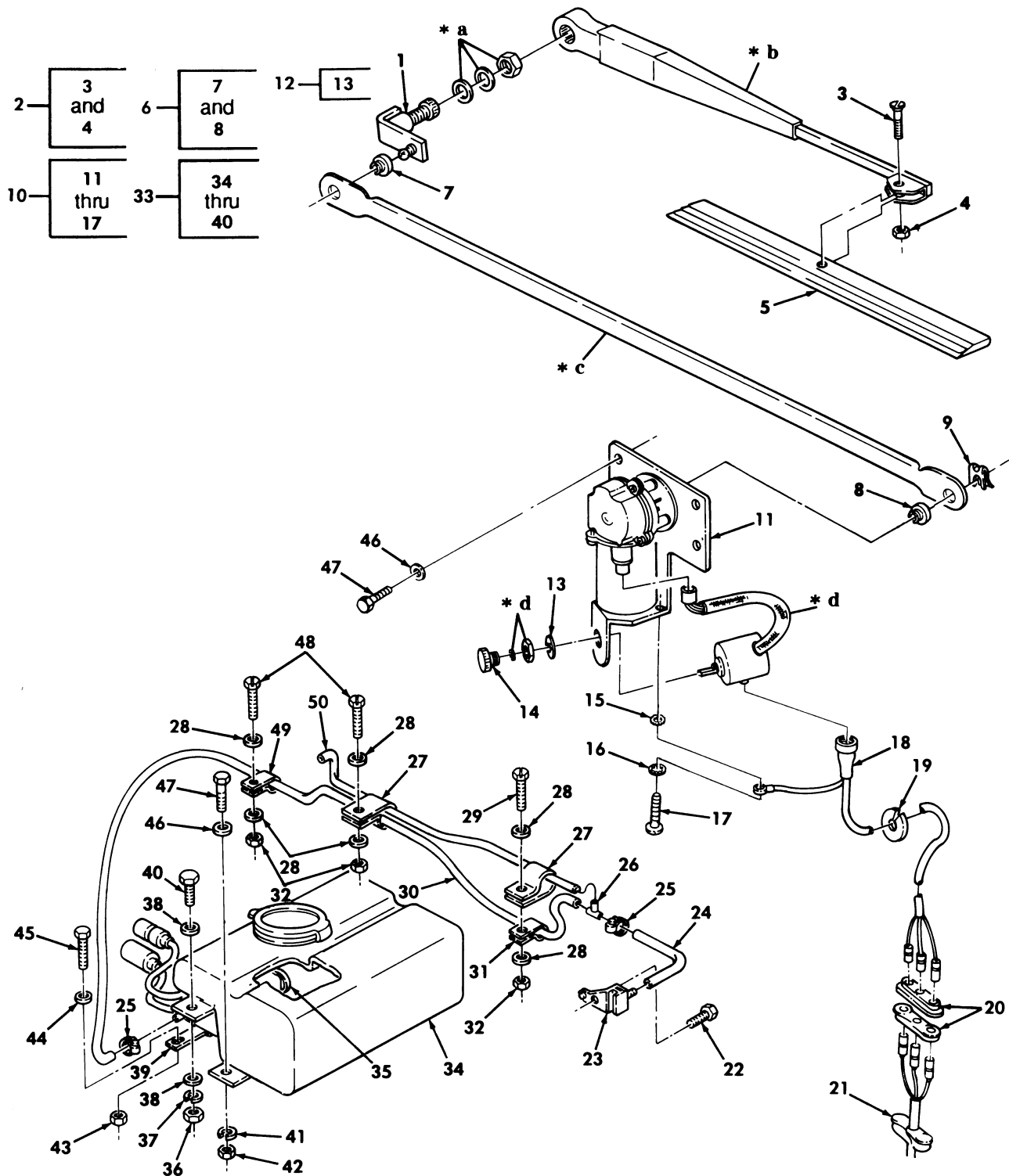
(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 06 (7) QTY
					GROUP 2201 CANVAS, RUBBER OR PLASTIC ITEMS	
					FIG. 227F CARGO AREA SOFT TOP ENCLOSURE, BOWS, AND MOUNTING COMPONENTS	
1	PFOOO	2540011978735	19207	12340768	BOW, VEHICULAR TOP PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163, PART OF KIT P/N 57K3499.....	2
					UOC:UUU	
2	PAOZZ	5305011983385	16941	PL25D40P12	.SCREW, CAP, SOCKET HE #10-32 X 3/4..	2
					UOC:UUU	
3	PAOZZ	5340012027445	34623	5581464	.STRAP, WEBBING.....	2
					UOC:UUU	
4	PAOZZ	5340012036542	31272	44702-10	..BUCKLE.....	1
					UOC:UUU	
5	PAOZZ	2540013370242	19207	12342314	BOW, CORNER, VEHICULAR PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163, PART OF KIT P/N 57K3499.....	1
					UOC:UUU	
6	PAOZZ	5305011090587	80205	MS24630-66	SCREW, TAPPING .190-32 X 3/8, PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.....	2
					UOC:UUU	
7	PAOZZ	5305011983385	16942	PL25D040P12	SCREW, SELF-LOCKING 1/4-20 X 3/4....	4
					UOC:UUU	
8	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4.....	8
					UOC:UUU	
9	PAOZZ	5315011971494	19207	12340209	PIN, GROOVED, HEADED 1/4 X 1.515 PART OF KIT P/N 12340765 PART OF KIT P/N 57K0158 PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.....	4
					UOC:UUU	
10	PAOZZ	5340011999679	19207	12340196	STRAP, RETAINING PART OF KIT P/N 12340765 PART OF KIT P/N 57K0158 PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.....	2
					UOC:UUU	
11	PAOZZ	5325010473201	19207	12340523	RING, RETAINING PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163, PART OF KIT P/N 57K3499.....	4
					UOC:UUU	
12	PAOZZ	5340012559510	19207	12339009	PLATE, MENDING.....	2
					UOC:UUU	
13	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20 PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.....	4
					UOC:UUU	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0228 06 (7) QTY
14	PAOZZ	5305009847343	96906	MS35191-276	SCREW, MACHINE #10-32 X 1.00 PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.....	8
					UOC:UUU	
15	PAOZZ	5340011978673	34623	12338839-4	HANDLE, BOW PART OF KIT P/N 12340765 PART OF KIT P/N 57K0158 PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.	4
					UOC:UUU	
16	PAOZZ	5310001249265	72582	271169	NUT, PLAIN, ASSEMBLED #10-32 PART OF KIT P/N 12340765, PART OF KIT P/N 57K0158, PART OF KIT P/N 57K0163 PART OF KIT P/N 57K3499.....	8
					UOC:UUU	
KIT	PDOZZ	2540011893461	19207	12340765	PARTS KIT, SOFT TOP GREEN.....	1
					UOC:UUU	
					BOW, CORNER, VEHICULAR (1) 227F-5	
					BOW, VEHICULAR TOP (2) 227F-1	
					HANDLE, BOW (4) 227F-15	
					NUT, PLAIN, ASSEMBLED (8) 227F-16	
					NUT, SELF-LOCKING (4) 227F-13	
					PIN, GROOVED, HEADED (4) 227F-9	
					RING, RETAINING (4) 227F-11	
					SCREW, TAPPING (2) 227F-6	
					SCREW, TAPPING (8) 227F-14	
					STRAP, RETAINING (2) 227F-10	
					TOP ASSEMBLY, TRUCK (1) 227E-1	
KIT	PDOZZ	2540013298074	19207	57K0158	PARTS KIT, SOFT TOP TAN.....	1
					UOC:UUU	
					BOW, CORNER, VEHICULAR (1) 227F-5	
					BOW, VEHICULAR TOP (2) 227F-1	
					HANDLE, BOW (4) 227F-15	
					NUT, PLAIN, ASSEMBLED (8) 227F-16	
					NUT, SELF-LOCKING (4) 227F-13	
					PIN, GROOVED, HEADED (4) 227F-9	
					RING, RETAINING (4) 227F-11	
					SCREW, TAPPING (2) 227F-6	
					SCREW, TAPPING (8) 227F-14	
					STRAP, RETAINING (2) 227F-10	
					TOP ASSEMBLY, TRUCK (1) 227E-1	
KIT	PDOZZ	2540014348599	19207	57K3499	PARTS KIT, SOFT TOP CAMO.....	1
					UOC:UUU	
					BOW, CORNER, VEHICULAR (1) 227F-5	
					BOW, VEHICULAR TOP (2) 227F-1	
					HANDLE, BOW (4) 227F-15	
					NUT, PLAIN, ASSEMBLED (8) 227F-16	
					NUT, SELF-LOCKING (4) 227F-13	
					PIN, GROOVED, HEADED (4) 227F-9	
					RING, RETAINING (4) 227F-11	
					SCREW, TAPPING (2) 227F-6	
					SCREW, TAPPING (8) 227F-14	
					STRAP, RETAINING (2) 227F-10	
					TOP ASSEMBLY, TRUCK (1) 227E-1	

SMI 9-2320-387-14&P-1					0228 06	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
KIT	PDOZZ	2540014511112	19207	57K0163	PARTS KIT, SOFT TOP WHITE.....	1
					UOC:UUU	
					BOW, CORNER, VEHICULAR (1) 227F-5	
					BOW, VEHICULAR TOP (2) 227F-1	
					HANDLE, BOW (4) 227F-15	
					NUT, PLAIN, ASSEMBLED (8) 227F-16	
					NUT, SELF-LOCKING (4) 227F-13	
					PIN, GROOVED, HEADED (4) 227F-9	
					RING, RETAINING (4) 227F-11	
					SCREW, TAPPING (2) 227F-6	
					SCREW, TAPPING (8) 227F-14	
					STRAP, RETAINING (2) 227F-10	
					TOP ASSEMBLY, TRUCK (1) 227E-1	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST



- * a PART OF ITEM 1
- * b PART OF ITEM 2
- * c PART OF ITEM 6
- * d PART OF ITEM 12

Figure 228. Windshield Wiper Motor, Wiper Assembly, and Washer Bottle.

SMI9-2320-387-14&P-1							0229 00
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
ITEM	SMR	NSN	CAGEC	PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY	
NO	CODE			NUMBER			
GROUP 2202 ACCESSORY ITEMS							
FIG. 228 WINDSHIELD WIPER MOTOR, WIPER ASSEMBLY, AND RELATED PARTS							
1	PFOZZ	3040012106943	82484	GS-2176	LEVER, MANUAL CONTROL.....	2	
2	PAOZZ	2540012124959	70412	13194	ARM, WINDSHIELD WIPER.....	2	
3	PAOZZ	5305012297855	70412	62886	.SCREW, MACHINE 1/8 DIAMETER, 1/2 INCH LONG.....	1	
4	PAOZZ	5310012996460	72962	B79NM-50	.NUT, SELF-LOCKING, HEAD #5-40.....	1	
5	PAOZZ	2540011997778	70412	51-11	BLADE, WINDSHIELD WIPER.....	2	
5	MOOZZ		19207	12339505-MO	UOC:TTT, UUU, XAA BLADE, WINDSHIELD WIPER ORDER P/N 51-11 AND CUT TO FIT.....	2	
6	PAOZZ	2540012141568	19207	12338831	UOC:XBB PIVOT SHAFT, WINDSHIELD.....	2	
7	PAOZZ	3120014321474	82484	S-3076	.BUSHING, SLEEVE CENTER.....	1	
8	PAOZZ	3120013881527	82484	S-3087	.BUSHING, SLEEVE OUTER.....	1	
9	PAOZZ	5340012115593	82484	C-1703	CLIP, SPRING TENSION.....	1	
10	PAOZZ	2540011860969	19207	12342501	MOTOR, WINDSHIELD WIPER 24 VOLTS.....	1	
11	XAOZZ		19207	12342501-1	.WIPER MOTOR.....	1	
12	PAOZZ	5930013479216	19207	12342681	.SWITCH, ROTARY.....	1	
13	PAOZZ	5310006853228	96906	MS35333-43	..WASHER, LOCK 7/16.....	1	
14	PAOZZ	5355013536934	19207	12342682	.KNOB.....	1	
15	PAOZZ	5310008892528	96906	MS45904-68	.WASHER, LOCK 1/4.....	1	
16	PAOZZ	5310005501130	96906	MS35333-40	.WASHER, LOCK 1/4.....	2	
17	PAOZZ	5305002044850	80205	MS24629-73	.SCREW, TAPPING 1/4-20 X 1/2.....	1	
18	PFOZZ	6150011858240	19207	12339347-1	CABLE ASSEMBLY, SPECIAL.....	1	
18	PFOZZ	6150012103596	19207	12339347-2	UOC:XAA CABLE ASSEMBLY, SPECIAL.....	1	
19	PAOZZ	5325010887468	96906	MS35489-41	UOC:XBB GROMMET, NONMETALLIC.....	1	
20	PFOZZ	5999011839530	19207	12339327	CONTACT ASSEMBLY, EL.....	1	
21	PAOZZ	5325012145007	34623	5579658	GROMMET, NONMETALLIC.....	1	
22	PAOZZ	5305012554611	34623	5593284	SCREW, TAPPING #8-32 X 5/8.....	2	
22	PAOZZ	5305014732045	24617	164403	UOC:TTT, UUU, XAA SCREW, TAPPING #8-32 X 5/8.....	2	
23	PFOZZ	2540011845503	24866	D12604	UOC:XBB NOZZLE, WINDSHIELD W.....	2	
23	PAOZZ	2540014364236	6W728	4668243	UOX:TTT, UUU, XAA NOZZLE, WINDSHIELD W.....	2	
24	MOOZZ		34623	SF5585258	UOC;XBB HOSE, NONMETALLIC MAKE FROM HOSE ,P/N 846-50,27 INCHES LONG.....	1	
25	PAOZZ	4730000717890	81343	SAE J1508	CLAMP, HOSE.....	4	
26	PAOZZ	4730010740060	60703	81087-5	TEE, HOSE.....	1	
27	PAOZZ	5340009848541	96906	MS21333-106	CLAMP, LOOP.....	4	
28	PAOZZ	5310012531618	96906	MS51412-18	WASHER, FLAT #10.....	14	
29	PAOZZ	5305010062053	96906	MS51849-75	SCREW, MACHINE #10-24 X 5/8.....	6	
30	MOOZZ		34623	5585245	HOSE, NONMETALLIC MAKE FROM HOSE ,P/N 846-50, 36 INCHES LONG.....	1	
31	PAOZZ	5340008437825	96906	MS21333-68	CLAMP, LOOP.....	1	
32	PAOZZ	5310009349758	96906	MS35649-202	NUT, PLAIN, HEXAGON #10-24.....	7	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0229 00 (7) QTY
33	PAOOO	2540013859000	19207	12342885	PUMP, WINDSHIELD WASHER.....	1
34	PAOZZ	2540013868790	0DPV2	203600	.RESERVOIR, WINDSHIELD.....	1
35	PAOZZ	5330013811810	19207	12342886	.RETAINER, PACKING.....	1
36	PAOZZ	5310009050762	96906	MS51967-3	.NUT, PLAIN, HEXAGON 1/4-20.....	2
					UOC:TTT, UUU, XAA	
36	PAOZZ		6W728	4397050-025	.NUT, PLAIN, HEXAGON 1/4-20.....	2
					UOC;XBB	
37	PAOZZ	5310005825965	96906	MS35338-44	.WASHER, LOCK 1/4.....	2
38	PAOZZ	5310012349416	96906	MS51412-2	.WASHER, FLAT 1/4.....	4
39	PAOZZ	2540013859031	0DPV2	203500	.PUMP, WINDSHIELD WASHER.....	1
40	PAOZZ	5305014433238	72582	454065	.SCREW, CAP HEXAGON H 1/4-20 X 3/4..	2
41	PAOZZ	5310000453296	96906	MS35338-43	WASHER, LOCK.....	1
42	PAOZZ	5310009050762	96906	MS51967-3	NUT, PLAIN, HEXAGON 1/4-20.....	1
43	PAOZZ	5310012499265	72582	271169	NUT, PLAIN, HEXAGON #10-32.....	2
44	PAOZZ	5310012349416	96906	MS51412-2	WASHER, FLAT 1/4.....	1
45	PAOZZ	5305005829501	82386	410-63	SCREW, CAP, HEXAGON HEAD #10-32 X 1/2...	1
46	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4.....	1
47	PAOZZ	5305000680508	80204	B1821BH025C075N	SCREW, CAP, HEXAGON HEAD 1/4-20 X 3/4...	2
48	PAOZZ	5305010062053	96906	MS51849-75	SCREW, MACHINE #10-24 X 1.00.....	6
49	PAOZZ	5340008091492	96906	MS21333-100	CLAMP, LOOP.....	3
50	MOOZZ		34623	SF5585243	HOSE, NONMETALLIC MAKE FROM HOSE P/N 11255218C1,16 INCHES LONG.....	1

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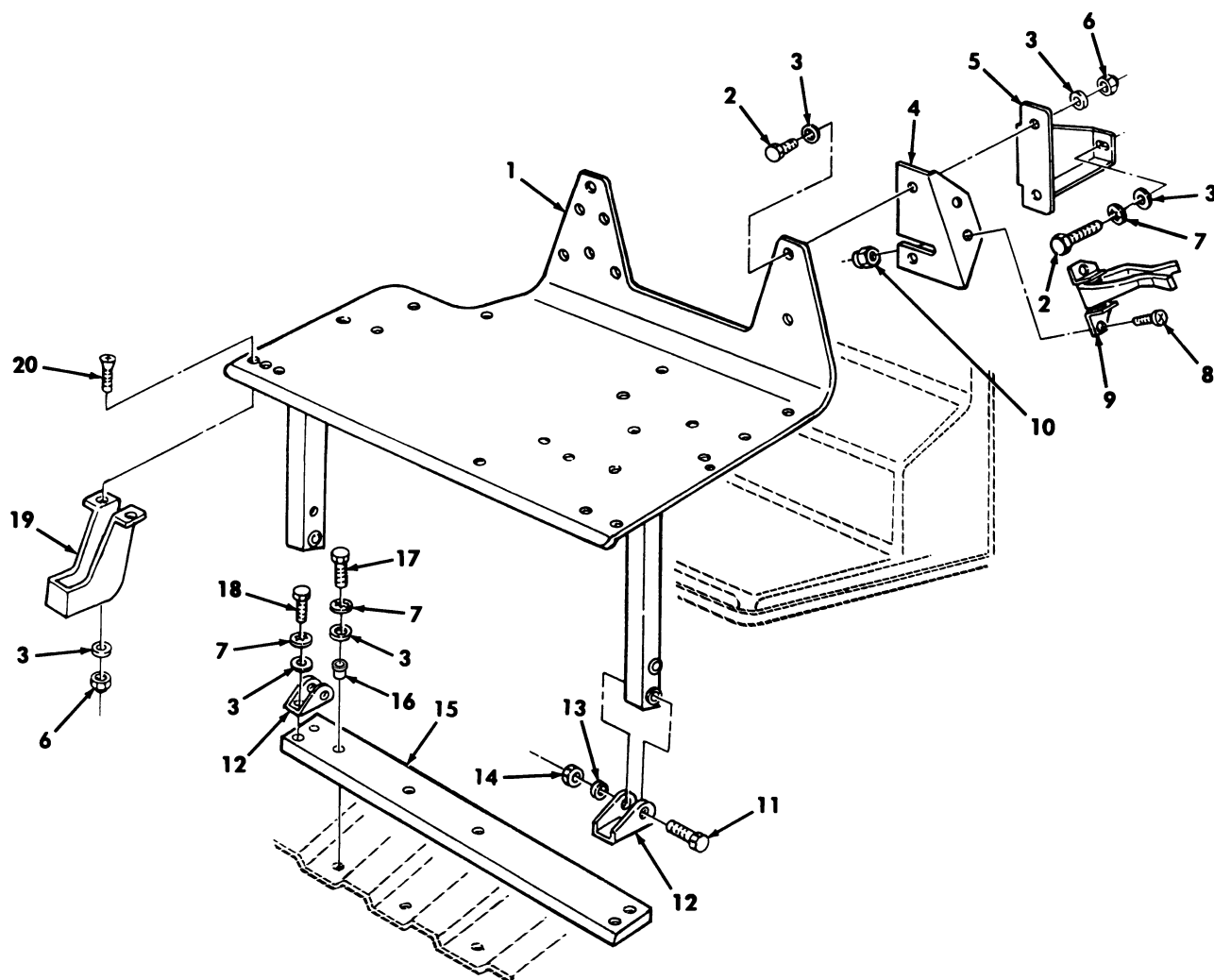
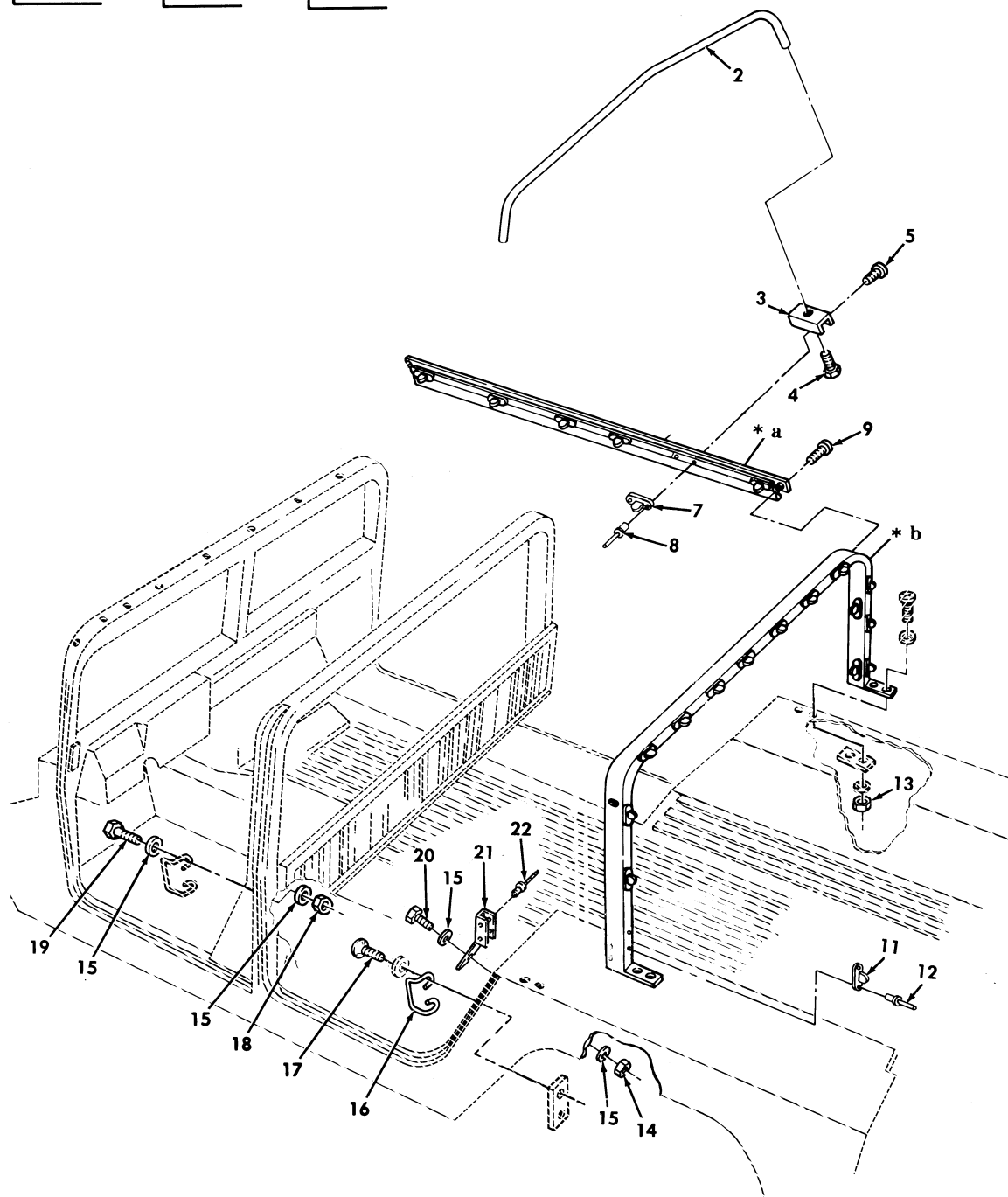
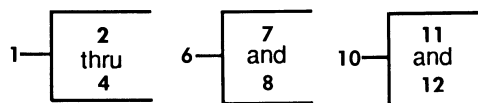


Figure 235. Radio Rack Assembly and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0236 00 (7) QTY
GROUP 2202 ACCESSORY ITEMS						
FIG. 235 RADIO RACK ASSEMBLY AND MOUNTING HARDWARE						
1	PFOZZ	5975011975505	19207	12340167	MOUNTING BASE, ELECTRICAL 1/4 FRONT..	1
2	PAOZZ	5305002253843	80204	B1821BH025C100N	SCREW, CAP, HEXAGON HEAD 1/4-20 X 1.00	6
3	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4.....	23
4	PFOZZ	5340014339279	6W728	4660111	BRACKET, ANGLE GUN MOUNT, UPPER.....	1
5	PAOZZ	5340014330936	19207	12460542-2	BRACKET, MOUNTING.....	2
					UOC:TTT, UUU, XAA	
5	PAOZZ	5340014336116	6W728	4660716	BRACKET, MOUNTING L.H.....	1
					UOC:XBB	
5	PAOZZ	5340014336117	6W728	4660717	BRACKET, MOUNTING R.H.....	1
					UOC:XBB	
6	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20.....	10
7	PAOZZ	5310005501130	96906	MS35333-40	WASHER, LOCK 1/4.....	9
8	PAOZZ	5305014307397	6W728	4397013-072	SCREW, MACHINE .190-32 X .500.....	2
9	PAOZZ	1015012000869	19207	12340487	CLAMP, LOCKING, RECOIL.....	1
10	PAOZZ	5310014398180	6W728	4397073-003	NUT, SELF-LOCKING, HEAD .190-32.....	2
11	PAOZZ	5305007829489	80204	B1821BH038C200N	SCREW, CAP, HEXAGON H 3/8-16 X 2.00..	2
12	PFOZZ	5340014337904	34623	RCSK17602	BRACKET, DOUBLE ANGLE.....	2
					UOC:XAA, XBB	
12	PFOZZ		34623	RCSK19782	BRACKET, DOUBLE ANGLE.....	2
					UOC:TTT, UUU	
13	PAOZZ	5310014124013	24617	2436163	WASHER, FLAT 3/8.....	2
14	PAOZZ	5310009359021	96906	MS51943-35	NUT, SELF-LOCKING, HEAD 3/8-16.....	2
15	PFOZZ	5310014330938	34623	RCSK17603	NUT ASSEMBLY, RETAINING.....	1
16	PAOZZ		34623	5937810	INSERT, SCREW, THREAD.....	3
17	PAOZZ	5305000712510	80204	B1821BH025C175N	SCREW, CAP, HEXAGON H 1/4-20 X 1.75..	3
18	PAOZZ	5305000680502	96906	MS90725-6	SCREW, CAP, HEXAGON H 1/4-20 X 3/4...	4
19	PFOZZ	2540012028545	19207	12340131	BRACKET, HEADPHONE.....	1
20	PAOZZ	5305009585246	80205	MS35190-289	SCREW, MACHINE 1/4-20 X 3/4.....	2

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- * a PART OF ITEM 6
- * b PART OF ITEM 10

Figure 248A. Arctic Kit, Four Man Crew, Top Enclosure, Bows, and Mounting Components.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0249 01 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 248A ARCTIC KIT, FOUR MAN CREW, TOP ENCLOSURE, BOWS, AND MOUNTING COMPONENTS						
1	PFOZZ	2540011996759	19207	12340682	BOW, VEHICULAR TOP PART OF KIT P/N 5705692 UOC:UUU	2
2	XAOZZ		19207	12340713	.BOW, VEHICULAR TOP..... UOC:UUU	1
3	PFOZZ	5340012043862	19207	12340239	.STRAP, RETAINING..... UOC:UUU	2
4	PAOZZ	5305000711313	96906	MS51957-77	SCREW, MACHINE 1/4-20 X 3/8..... UOC:UUU	2
5	PAOZZ	5305000593659	96906	MS51958-63	SCREW, MACHINE #10-32 X 1/2 PART OF OF KIT P/N 5705692..... UOC:UUU	8
6	PFOZZ	2590011961290	19207	12340222-1	HANDRAIL, VEHICULAR L.H. PART OF KIT P/N 5705692..... UOC:UUU	1
6	PFOZZ	2590011995314	19207	12340222-2	HANDRAIL, VEHICULAR R.H. PART OF KIT P/N 5705692..... UOC:UUU	1
7	PAOZZ	5325008235999	13940	XB78323-05001	.STUD, TURNBUTTON FASTENER..... UOC:UUU	6
8	PAOZZ	5320000835009	81349	M24243/1-A403	RIVET,BLIND 1/8 DIAMETER,.126-.187 GRIP UOC:UUU	12
9	PAOZZ	5305011173396	80204	NSA-1635-3LE12	SCREW, CAP, SOCKET HEAD #10-32 X 1/2 PART OF KIT P/N 5705692..... UOC:UUU	2
10	PFOZZ	2540011961291	19207	12340679	BOW, VEHICULAR TOP PART OF KIT P/N 5705692..... UOC:UUU	1
11	PAOZZ	5325008235999	13940	XB78323-05001	.STUD, TURNBUTTON FASTENER..... UOC:UUU	17
12	PAOZZ	5320000835009	81349	M24243/1-A403	RIVET,BLIND 1/8 DIAMETER,.126-.187 GRIP UOC:UUU	34
13	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20 PART OF KIT P/N 5705692..... UOC:UUU	4
14	PAOZZ	5310004838791	96906	MS17829-4F	NUT, SELF-LOCKING, HEAD #10-32 PART OF KIT P/N 5705692..... UOC:UUU	2
15	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 5/16 PART OF KIT P/N 5705692..... UOC:UUU	12
16	PAOZZ	5340012087670	19207	12340182-1	STRIKER, CATCH REAR DOOR, L.H. PART OF KIT P/N 5705692..... UOC:UUU	1
16	PAOZZ	5342012049610	34623	5581364	STRIKER, LATCH, DOOR REAR DOOR, L.H. PART OF KIT P/N 5705692..... UOC:UUU	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0249 01 (7) QTY
17	PAOZZ	5305009881727	96906	MS35206-283	SCREW, MACHINE 1/4-20 X 3/4 PART OF KIT P/N 5705692..... UOC:UUU	4
18	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-24 PART OF KIT P/N 5705692..... UOC:UUU	4
19	PAOZZ	5306001822027	88044	AN5H10A	BOLT, MACHINE PART OF KIT P/N 5705692 UOC:UUU	4
20	PAOZZ	5305009932457	96906	MS35207-284	SCREW, MACHINE 1/4-28 X 1-1/4 PART OF KIT P/N 5705692..... UOC:UUU	2
21	PAOZA	5340014309239	19207	12447124-1	BRACKET, MOUNTING C-PILLAR, R.H. PART OF KIT P/N 5705692..... UOC:UUU	1
22	PAOZZ	53200010341884	11815	CR3243-6-5	RIVET, BLIND PART OF KIT P/N 5705692. UOC:UUU	8

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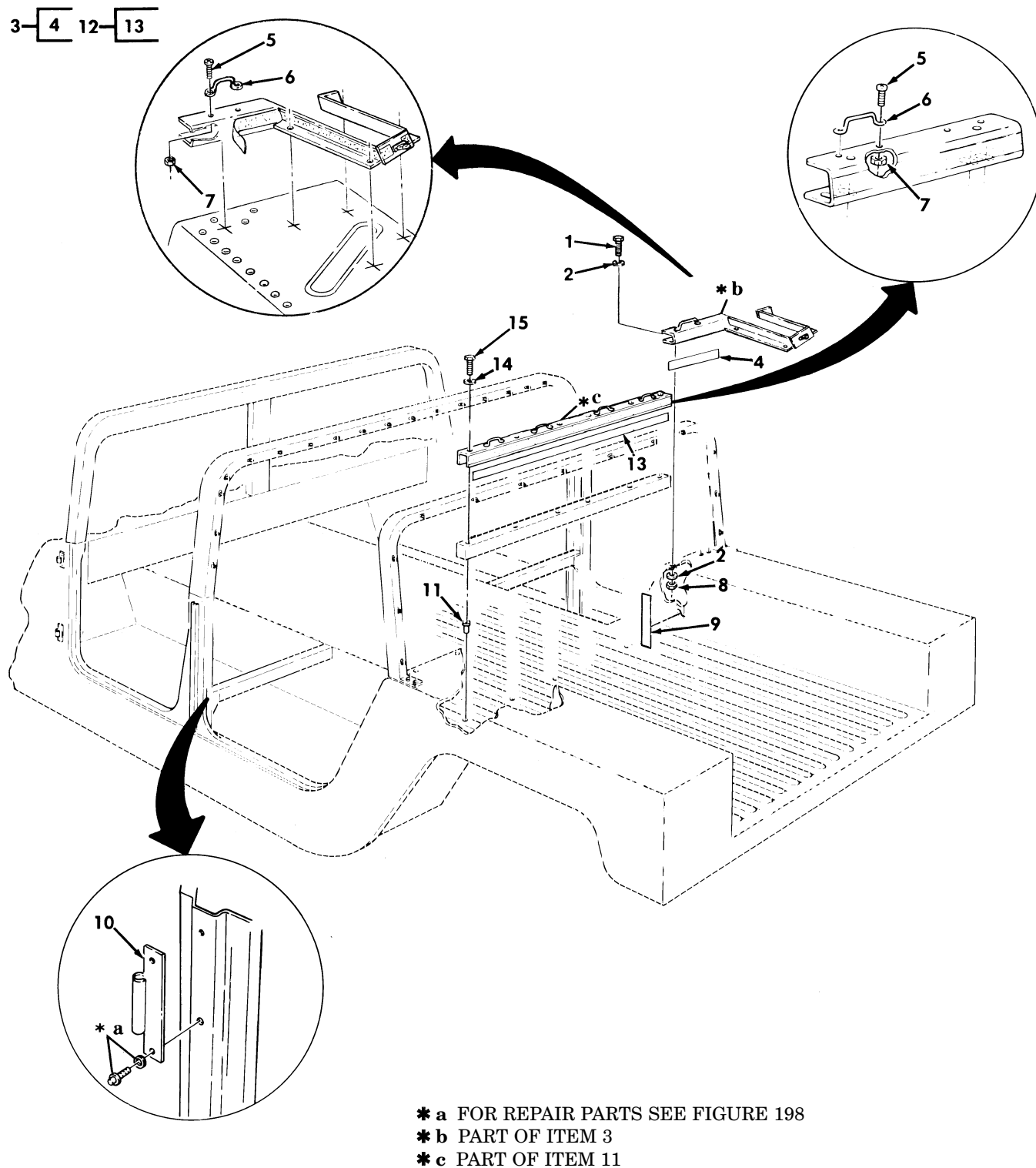


Figure 248B. Arctic Kit, Door Hinges, and Curtain Channels.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0249 02 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 248B ARCTIC KIT, DOOR HINGES, AND CURTAIN CHANNELS						
1	PAOZZ	5305000680502	96906	MS90725-6	SCREW, CAP, HEXAGON H 1/4-20 X 3/4 PART OF KIT P/N 5705692.....	10
					UOC:UUU	
2	PAOZZ	5310011992293	7X677	9421394	WASHER, FLAT 1/4 PART OF KIT P/N 5705692.....	20
					UOC:UUU	
3	PAOZZ	5340013968322	19207	12342496	BRACKET, MOUNTING R.H. PART OF KIT P/N 5705692.....	1
					UOC:UUU	
3	PAOZZ	5340013850057	19207	12342495	BRACKET, MOUNTING L.H. PART OF KIT 5705692.....	1
					UOC:UUU	
4	MOOZZ		19207	12340700-14	.TAPE, FASTENER MAKE FROM FASTENER, TAPE, HOOK P/N 20197272,14 INCHES LONG.....	2
					UOC:UUU	
5	PAOZZ	5305009847341	96906	MS35191-273	SCREW, MACHINE #10-32 X 5/8 PART OF KIT P/N 5705692.....	12
					UOC:UUU	
6	PAOZZ	5340011978673	19207	12338839-4	HANDLE, BOW PART OF KIT P/N 5705692..	6
					UOC:UUU	
7	PAOZZ	5310001641790	72582	454749	NUT, SELF-LOCKING, HEAD #10-32 PART OF KIT P/N 5705692.....	12
					UOC:UUU	
8	PAOZZ	5310014326727	24617	9419471	NUT, SELF-LOCKING, HEAD 1/4-20 PART OF KIT P/N 5705692.....	10
					UOC:UUU	
9	MOOZZ		19207	12340700-16	TAPE, FASTENER HOOK MAKE FROM FASTENER, TAPE, HOOK P/N 20197272,16 INCHES LONG PART OF KIT P/N 5705692.	2
					UOC:UUU	
10	PAOZZ	5342012032822	19207	12338650	MOUNT, RESILIENT PART OF KIT P/N 5705692.....	4
					UOC:UUU	
11	PAOZZ	5310010851208	96906	MS27130-S71	NUT, PLAIN, BLIND RIVET .030-.125 PART OF KIT P/N 5705692.....	6
					UOC:UUU	
12	PAOZZ	2590013332999	80212	12342152	BEZEL, AUTOMOTIVE TRIM PART OF KIT P/N 5705692.....	1
					UOC:UUU	
13	MOOZZ		19207	12340700-15	.TAPE, FASTENER MAKE FROM FASTENER, TAPE, HOOK P/N 20197272,15 INCHES LONG.....	1
					UOC:UUU	
14	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 11/32 PART OF KIT P/N 5705692.....	6
					UOC:UUU	
15	PAOZZ	5306002264833	80204	B1821BH031C200N	BOLT, MACHINE 5/16-18 X 2.00 PART OF	6

(1)	(2)	(3)	SMI 9-2320-387-14&P-1			0249 02
ITEM	SMR		(4)	(5)	(6)	(7)
NO	CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY

KIT P/N 5705692.....
UOC:UUU

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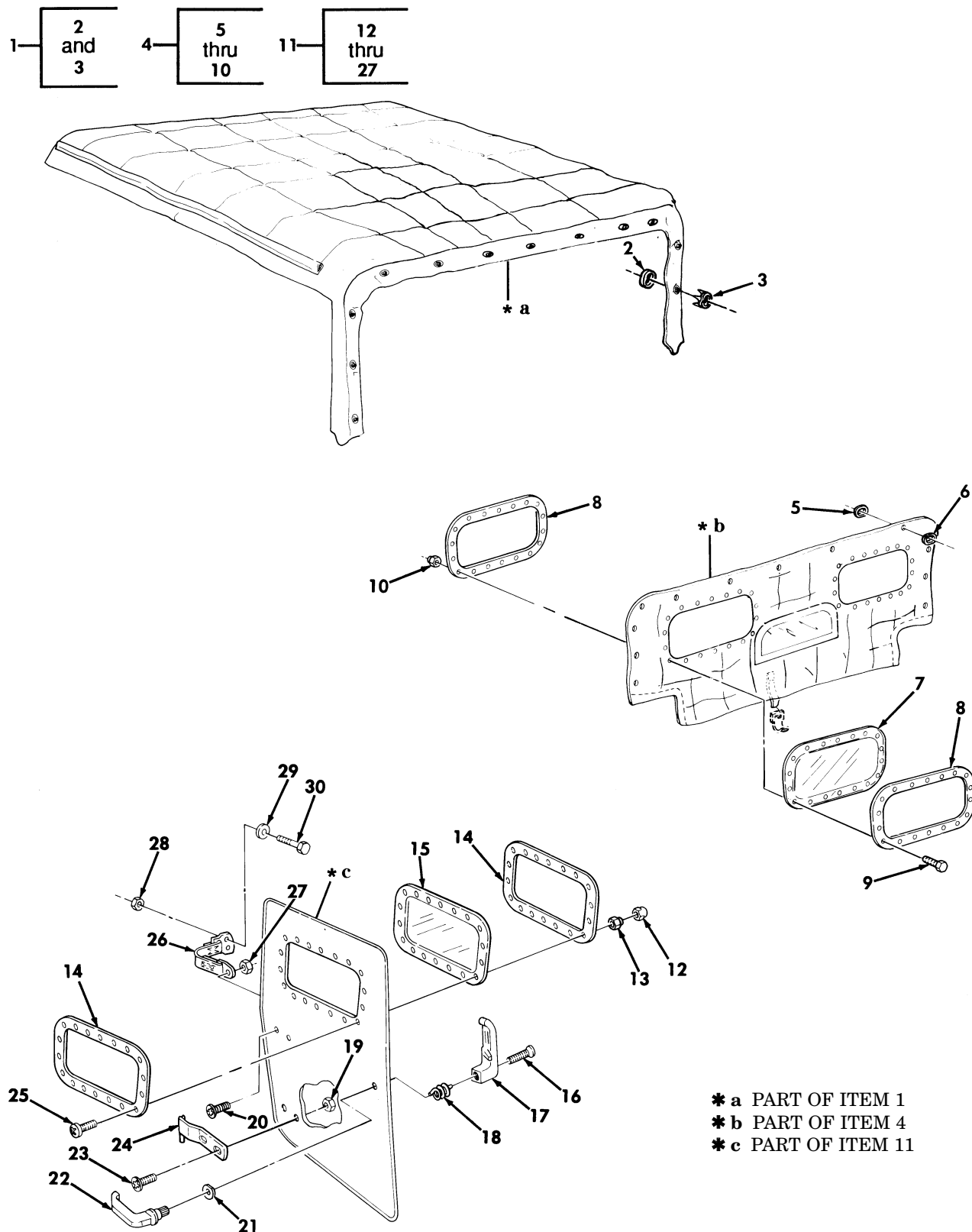


Figure 248C. Arctic Kit, Four Man Crew, Top Curtain, Rear Curtain, and Door Assemblies.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0249 03 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 248C ARCTIC KIT, FOUR MAN CREW, TOP CURTAIN, REAR CURTAIN, AND DOOR ASSEMBLIES						
1	PAOFF	2540013298649	19207	12342153-1	COVER, FITTED, VEHICULAR PART OF KIT P/N 1 5705692.....	
					UOC:UUU	
2	PAFZZ	5325006049662	21450	426686	.CLINCH PLATE, TURNBUTTON.....	31
					UOC:UUU	
3	PAFZZ	5325002818643	21450	426687	.SOCKET, TURNBUTTON F.....	31
					UOC:UUU	
4	PAOFF	2540013360791	19207	12342153-2	CURTAIN, VEHICULAR PART OF KIT P/N 5705692.....	1
					UOC:UUU	
5	PAFZZ	5325006049662	21450	426686	.CLINCH PLATE, TURNBUTTON.....	13
					UOC:UUU	
6	PAFZZ	5325002818643	21450	426687	.SOCKET, TURNBUTTON F.....	13
					UOC:UUU	
7	XBFZZ		19207	12340604	.WINDOW, VEHICULAR.....	2
					UOC:UUU	
8	PFOZZ	5340011980686	19207	12340710	.PLATE, RETAINING, WINDSHIELD.....	4
					UOC:UUU	
9	PAOZZ	5305009846195	96906	MS35206-247	.SCREW, MACHINE #8-32 X 3/4.....	36
					UOC:UUU	
10	PAOZZ	5310009416019	96906	MS21083N08	.NUT, SELF-LOCKING, HEAD #8-32.....	36
					UOC:UUU	
11	PAOOO	2510011975547	34623	SF5581724	DOOR, VEHICULAR FRONT, R.H. PART OF KIT P/N 5705692.....	1
					UOC:UUU	
11	PAOOO	2510011975546	34623	SF5581723	DOOR, VEHICULAR FRONT, L.H. PART OF KIT P/N 5705692.....	1
					UOC:UUU	
11	PAOOO	2510013302249	19207	12342157	DOOR, VEHICULAR REAR, L.H. PART OF KIT P/N 5705692.....	1
					UOC:UUU	
11	PAOOO	2510013302250	19207	12342155	DOOR, VEHICULAR REAR, R.H. PART OF KIT P/N 5705692.....	1
					UOC:UUU	
12	PAOZZ	5340010263250	81349	M5501/7-F2	.CAP-PLUG, PROTECTIVE.....	18
					UOC:UUU	
13	PAOZZ	5310009416019	96906	MS21083N08	.NUT, SELF-LOCKING, HEAD #8-32.....	18
					UOC:UUU	
14	PFOZZ	5340011980686	19207	12340710	.PLATE, RETAINING, WINDSHIELD.....	2
					UOC:UUU	
15	XBOZZ		19207	12340605	.WINDOW, VEHICULAR.....	1
					UOC:UUU	
16	PAOZZ	5305000711327	96906	MS51960-70	.SCREW, MACHINE #10-32 X 1/4 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.....	1
					UOC:UUU	
17	PAOZZ	2540012037721	19207	12301363-2	.HANDLE, DOOR, VEHICULAR L.H. PART OF	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0249 03 (7) QTY
					KIT P/N 5705619.....	
					UOC:UUU	
17	PAOZZ	2540012001994	19207	12301363-1	.HANDLE, DOOR, VEHICULAR R.H. PART OF KIT P/N 5705618.....	1
					UOC:UUU	
18	PAOZZ	5360013157212	19207	12356764-1	.SPRING, HELICAL, TORSIONER L.H. PART OF KIT P/N 5705619.....	1
					UOC:UUU	
18	PAOZZ	5360013157211	19207	12356764-2	.SPRING, HELICAL, TORSIONER R.H. PART OF KIT P/N 5705618.....	1
					UOC:UUU	
19	PAOZZ	5310011520598	24617	271172	.NUT, SELF-LOCKING, ASSEMBLY.....	13
					UOC:UUU	
20	PAOZZ	5305009881725	96906	MS35206-281	.SCREW, MACHINE 1/4-20 X 3/4.....	1
					UOC:UUU	
21	PAOZZ	5310012059056	34623	5581321	.WASHER, FLAT 5/8 PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.....	1
					UOC:UUU	
22	PAOZZ	2540012001995	19207	12301365	.HANDLE, DOOR, VEHICULAR L.H., R.H. PART OF KIT P/N 5705618 PART OF KIT P/N 5705619.....	1
					UOC:UUU	
23	PAOZZ	5305000711315	96906	MS51957-79	.SCREW, MACHINE 1/4-20 X 1/2.....	3
					UOC:UUU	
24	PAOZZ	5340012059022	19207	12340193-2	.LEAF, BUTT HINGE FRONT AND REAR, L.H.....	2
					UOC:UUU	
24	PAOZZ	5340012059021	19207	12340193-1	.LEAF, BUTT HINGE FRONT AND REAR, R.H.....	2
					UOC:UUU	
25	PAOZZ	5305009846195	96906	MS35206-247	.SCREW, MACHINE #8-32 X 3/4.....	18
					UOC:UUU	
26	PAOZZ	5340012547189	19207	12340201	.LOOP, STRAP FASTENER.....	1
					UOC:UUU	
27	PAOZZ	5310009971888	96906	MS35649-2252	.NUT, PLAIN, HEXAGON 1/4-20.....	1
					UOC:UUU	
28	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-20 PART OF KIT P/N 5705692.....	2
					UOC:UUU	
29	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 11/32 PART OF KIT P/N 5705692.....	2
					UOC:UUU	
30	PAOZZ	5305000514076	80204	B1821BH031F100N	SCREW, CAP, HEXAGON H 5/16-24 X 1.00 PART OF KIT P/N 5705692.....	2
					UOC:UUU	
KIT	PDFZZ	2540011992390	19207	5705692	WINTERIZATION KIT, VEHICULAR.....	1
					UOC:UUU	
					BEZEL, AUTO (1) 248B-12	
					BOLT, MACHINE (4) 248A-19	
					BOLT, MACHINE (6) 248B-15	
					BOW, VEHICULAR TOP (2) 248A-1	
					BOW, VEHICULAR TOP (1) 248A-10	
					BRACKET, MOUNTING (1) 248A-21	

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					BRACKET, MOUNTING (1) 248A-21	
					BRACKET, MOUNTING (1) 248B-3	
					BRACKET, MOUNTING (1) 248B-3	
					COVER, FITTED, VEHICULAR (1) 248C-1	
					CURTAIN, VEHICULAR (1) 248C-4	
					DOOR, VEHICULAR (1) 248C-11	
					DOOR, VEHICULAR (1) 248C-11	
					DOOR, VEHICULAR (1) 248C-11	
					DOOR, VEHICULAR (1) 248C-11	
					FASTENER, TAPE, HOOK (2) 248B-9	
					HANDLE, BOW (6) 248B-6	
					HANDRAIL, VEHICULAR (1) 248A-6	
					HANDRAIL, VEHICULAR (1) 248A-6	
					MOUNT (4) 248B-10	
					NUT, PLAIN, BLIND RIVET (6) 248B-11	
					NUT, SELF-LOCKING, HEAD (4) 248A-13	
					NUT, SELF-LOCKING, HEAD (2) 248A-14	
					NUT, SELF-LOCKING, HEAD (4) 248A-18	
					NUT, SELF-LOCKING, HEAD (12) 248B-7	
					NUT, SELF-LOCKING, HEAD (10) 248B-8	
					NUT, SELF-LOCKING.HEAD (2) 248C-28	
					RIVET, BLIND (8) 248A-22	
					SCREW, CAP, HEXAGON H (10) 248B-1	
					SCREW, CAP, HEXAGON H (2) 248C-30	
					SCREW, CAP, SOCKET HEAD (2) 248A-9	
					SCREW, MACHINE (8) 248A-5	
					SCREW, MACHINE (4) 248A-17	
					SCREW, MACHINE (2) 248A-20	
					SCREW, MACHINE (12) 248B-5	
					STRIKER, CATCH (1) 248A-16	
					STRIKER, CATCH (1) 248A-16	
					WASHER, FLAT (12) 248A-15	
					WASHER, FLAT (20) 248B-2	
					WASHER, FLAT (6) 248B-14	
					WASHER, FLAT (2) 248C-29	

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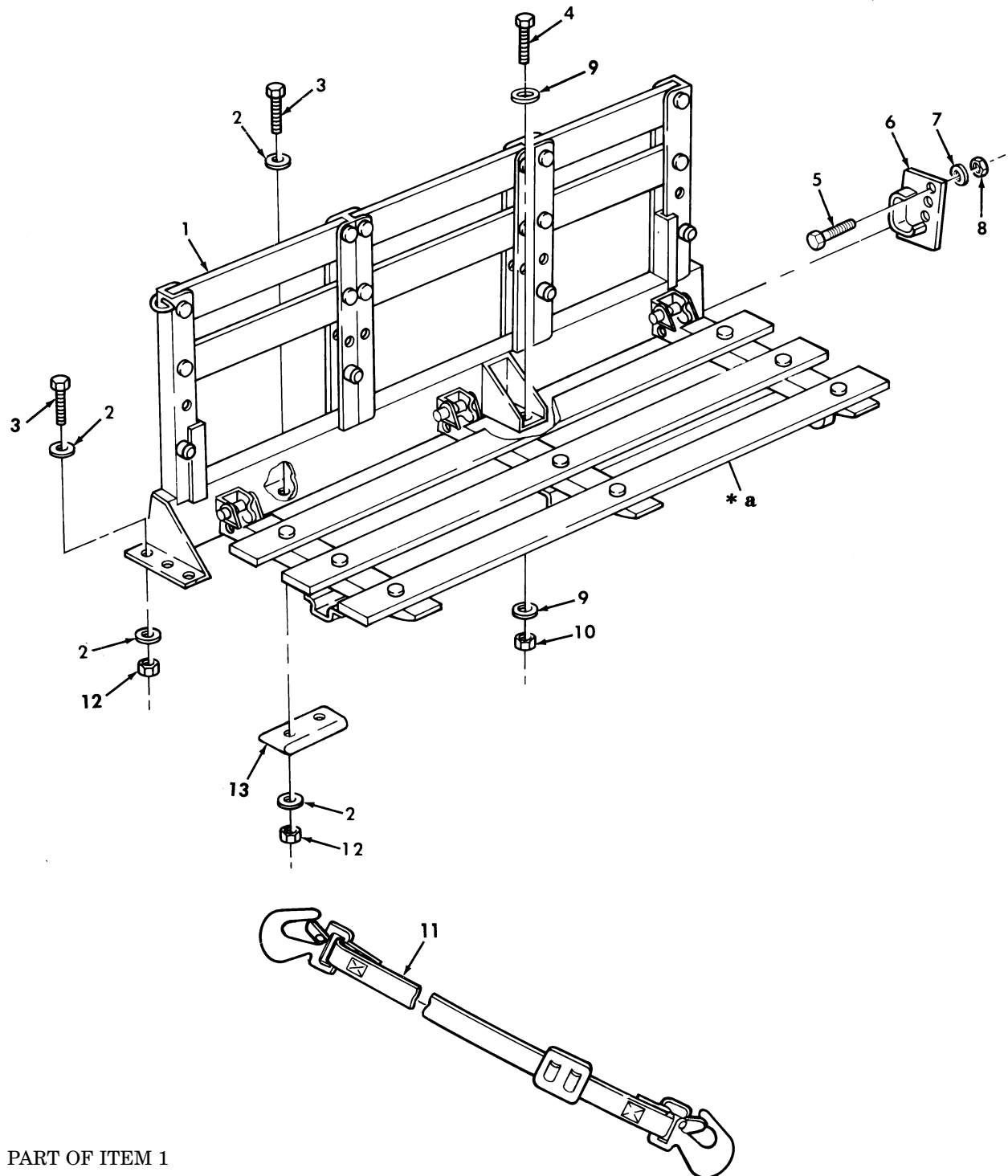


Figure 266F. Troop Seat Kit, Safety Strap, and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 06 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266F TROOP SEAT KIT, SAFETY STRAP ,AND MOUNTING HARDWARE						
1	PAOOO	2540011858016	19207	12340560-1	SEAT, VEHICULAR L.H., GREEN, PART OF KIT P/N 12338105..... UOC:UUU	1
1	PAOOO	2540011853214	19207	12340560-2	SEAT, VEHICULAR R.H., GREEN, PART OF KIT P/N 12338105..... UOC:UUU	1
1	PAOOO	2540013967759	19207	12340560-3	SEAT, VEHICULAR L.H., TAN, PART OF KIT P/N 57K0216..... UOC:UUU	1
1	PAOOO	2540013990785	19207	12340560-4	SEAT, VEHICULAR R.H., TAN, PART OF KIT P/N 57K0216..... UOC:UUU	1
1	PAOOO	2540013967756	19207	12340560-5	SEAT, VEHICULAR L.H., WHITE, PART OF KIT P/N 57K0220..... UOC:UUU	1
1	PAOOO	2540013967757	19207	12340560-6	SEAT, VEHICULAR R.H., WHITE, PART OF KIT P/N 57K0220..... UOC:UUU	1
2	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4..... UOC:UUU	36
3	PAOZZ	5305000180024	96906	MS35297-10	SCREW, CAP, HEXAGON H 1/4-20 X 1.25.. UOC:UUU	18
4	PAOZZ	5305013157066	24617	453719	SCREW, CAP, HEXAGON H 7/16-20 X 3/4, PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220. UOC:UUU	4
5	PAOZZ	5306002258499	96906	MS90725-34	BOLT, MACHINE 5/16-18 X 1.00, PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220..... UOC:UUU	6
6	PAOZZ	2540013949682	19207	12340542-1	SUPPORT, SEAT, VEHICULAR L.H., GREEN, PART 1 OF KIT P/N 12338105..... UOC:UUU	1
6	PAOZZ	2540013949683	19207	12340542-2	SUPPORT, SEAT, VEHICULAR R.H., GREEN, PART 1 OF KIT P/N 12338105..... UOC:UUU	1
6	PAOZZ	2540013944788	19207	12340542-3	SUPPORT, SEAT, VEHICULAR L.H., TAN, PART 1 OF KIT P/N 57K0216..... UOC:UUU	1
6	PAOZZ	2540013944787	19207	12340542-4	SUPPORT, SEAT, VEHICULAR R.H., TAN, PART 1 OF KIT P/N 57K0216..... UOC:UUU	1
6	PAOZZ	2540013944792	19207	12340542-5	SUPPORT, SEAT, VEHICULAR L.H., WHITE, PART 1 OF KIT P/N 57K0220..... UOC:UUU	1
6	PAOZZ	2540013949679	19207	12340542-6	SUPPORT, SEAT, VEHICULAR R.H., WHITE, PART OF KIT P/N 57K0220..... UOC:UUU	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0267 06 (7) QTY
7	PAOZZ	5310000814219	96906	MS27183-12	WASHER, FLAT 5/16.....	6
					UOC:UUU	
8	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-18, PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220.....	6
					UOC:UUU	
9	PAOZZ	5310008094085	96906	MS27183-16	WASHER, FLAT 7/16, PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220.....	8
					UOC:UUU	
10	PAOZZ	5310013153403	24617	9422300	NUT, PLAIN, HEXAGON 7/16-20, PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220.....	4
					UOC:UUU	
11	PAOZZ	5340011147712	19207	11682088-1	STRAP, WEBBING PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220.....	1
					UOC:UUU	
12	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20, PART OF KIT P/N 12338105, PART OF KIT P/N 57K0216, PART OF KIT P/N 57K0220.....	18
					UOC:UUU	
13	PFOZZ	5340012559510	19207	12339009	PLATE, MENDING.....	6
					UOC:UUU	
KIT	PDOZZ	2540011853216	19207	12338105	PARTS KIT, SEAT GREEN.....	1
					UOC:UUU	
					BOLT, MACHINE (6) 266F-5	
					NUT, PLAIN, HEXAGON (4) 266F-10	
					NUT, SELF-LOCKING, HEAD(6) 266F-8	
					NUT, SELF-LOCKING, HEAD(18) 266F-12	
					SCREW, CAP, HEXAGON H(4) 266F-4	
					SEAT, VEHICULAR (1) 266F-1	
					SEAT, VEHICULAR (1) 266F-1	
					STRAP, WEBBING (1) 266F-11	
					SUPPORT, SEAT, VEHICULAR(1) 266F-6	
					SUPPORT, SEAT, VEHICULAR(1) 266F-6	
					WASHER, FLAT (8) 266F-9	
KIT	PDOZZ	2540013388081	19207	57K0216	PARTS KIT, SEAT TAN.....	1
					UOC:UUU	
					BOLT, MACHINE (6) 266F-5	
					NUT, PLAIN, HEXAGON (4) 266F-10	
					NUT, SELF-LOCKING, HEAD(6) 266F-8	
					NUT, SELF-LOCKING, HEAD(18) 266F-12	
					SCREW, CAP, HEXAGON H(4) 266F-4	
					SEAT, VEHICULAR (1) 266F-1	
					SEAT, VEHICULAR (1) 266F-1	
					STRAP, WEBBING (1) 266F-11	
					SUPPORT, SEAT, VEHICULAR(1) 266F-6	
					SUPPORT, SEAT, VEHICULAR(1) 266F-6	
					WASHER, FLAT (8) 266F-9	
KIT	PDOZZ	2540013958771	19207	57K0220	PARTS KIT, SEAT WHITE.....	1
					UOC:UUU	
					BOLT, MACHINE (6) 266F-5	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 06 (7) QTY
					NUT, PLAIN, HEXAGON (4) 266F-10	
					NUT, SELF-LOCKING, HEAD(6) 266F-8	
					NUT, SELF-LOCKING, HEAD(18) 266F-12	
					SCREW, CAP, HEXAGON H(4) 266F-4	
					SEAT, VEHICULAR (1) 266F-1	
					SEAT, VEHICULAR (1) 266F-1	
					STRAP, WEBBING (1) 266F-11	
					SUPPORT, SEAT, VEHICULAR(1) 266F-6	
					SUPPORT, SEAT, VEHICULAR(1) 266F-6	
					WASHER, FLAT (8) 266F-9	

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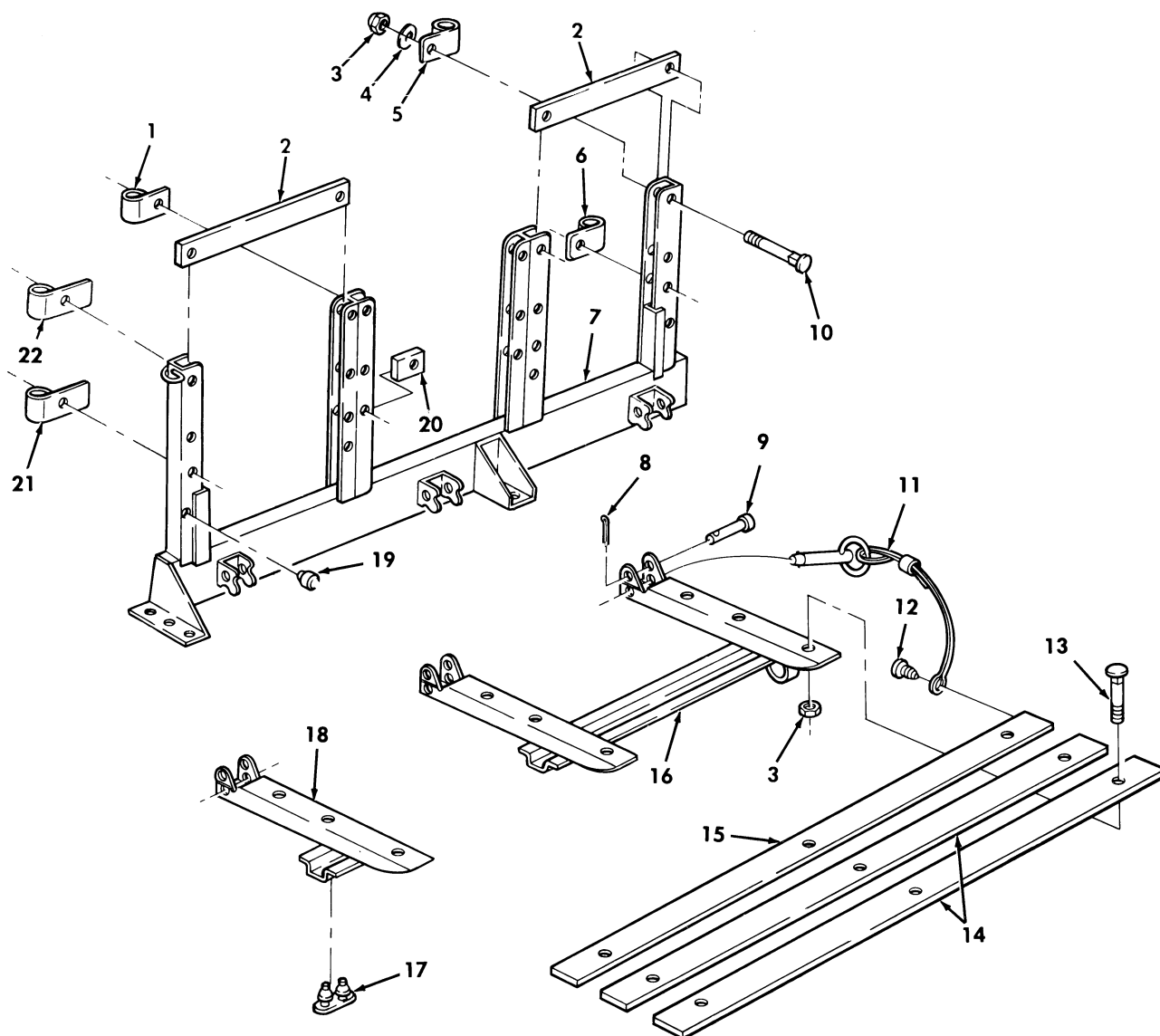


Figure 266G. Troop Seat Assembly, Left and Right.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 07 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266G TROOP SEAT ASSEMBLY, LEFT AND RIGHT						
1	PAOZZ	2540011929712	34623	5578466	RETAINER ASSEMBLY, B USE ON L.H. SIDE RACK ASSEMBLY..... UOC:UUU	2
1	PAOZZ	2540011929713	19207	12340545-2	RETAINER ASSEMBLY, B USE ON R.H. SIDE RACK ASSEMBLY..... UOC:UUU	2
2	PAOZZ	2540011857951	19207	12340544	BOARD SEAT UOC:UUU	12
3	PAOZZ	5310009334310	24617	271184	NUT, PLAIN ASSEMBLED 5/16-18..... UOC:UUU	50
4	PAOZZ	5310012520512	34623	5592832	WASHER, FLAT 5/16..... UOC:UUU	32
5	PFOZZ	2540011929711	19207	12340546-1	RETAINER, BOW, VEHICULAR..... UOC:UUU	3
6	PAOZZ	2540011929712	34623	5578466	RETAINER ASSEMBLY, B USE ON R.H. SIDE RACK ASSEMBLY..... UOC:UUU	1
6	PAOZZ	2540011929713	19207	12340545-2	RETAINER ASSEMBLY, B USE ON L.H. SIDE RACK ASSEMBLY..... UOC:UUU	1
7	XAOZZ		34623	5591333	CHANNEL ASSEMBLY R.H..... UOC:UUU	1
7	XAOZZ		34623	5591334	CHANNEL ASSEMBLY L.H..... UOC:UUU	1
8	PAOZZ	5315012677570	96906	MS24665-319	PIN, COTTER 3/32 X 1.00..... UOC:UUU	6
9	PAOZZ	5315007370134	19207	7370134	KTV, NNN PIN, STRAIGHT, HEADED 3/8 X 2.00..... UOC:UUU	6
10	PAOZZ	5306000120231	96906	MS35751-44	BOLT, SQUARE NECK 5/16-18 X 1.75..... UOC:UUU	32
11	PAOZZ	5315010949025	19207	12255608	PIN, QUICK RELEASE..... UOC:UUU	2
12	PAOZZ	5305004324170	96906	MS51861-35	SCREW, TAPPING #8-18 X 1/2..... UOC:UUU	2
13	PAOZZ	5306007536996	96906	MS35751-43	BOLT, SQUARE NECK 5/16-18 X 1.50..... UOC:UUU	18
14	PAOZZ	2540011858015	19207	12340553	BOARD SEAT UOC:UUU	4
15	PFOZZ	2540011924501	19207	12340549	SEAT, VEHICULAR..... UOC:UUU	2
16	XAOZZ		19207	12340562-1	CHANNEL ASSEMBLY L.H..... UOC:UUU	1
16	XAOZZ		19207	12340562-2	CHANNEL ASSEMBLY R.H..... UOC:UUU	1
17	PAOZZ	5340011968028	19207	12339961-1	BUMPER, NONMETALLIC..... UOC:UUU	6
18	PFOZZ	2540013344333	34623	5588656	SUPPORT, SEAT, VEHICULAR REAR..... UOC:UUU	2

SMI 9-2320-387-14&P-1					0267 07	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
19	PAOZZ	5340011962573	34623	5584977	BUMPER, NONMETALLIC.....	4
					UOC:UUU	
20	PAOZZ	5365011934479	34623	5584999	SPACER.....	4
					UOC:UUU	
21	PFOZZ	2540011929715	19207	12340535-1	RETAINER ASSEMBLY, B L.H.....	1
					UOC:UUU	
21	PFOZZ	2540011929714	19207	12340535-2	RETAINER ASSEMBLY, B R.H.....	1
					UOC:UUU	
22	PAOZZ	2540011932711	19207	12340536-1	RETAINER, BOW, VEHICULAR.....	1
					UOC:UUU	

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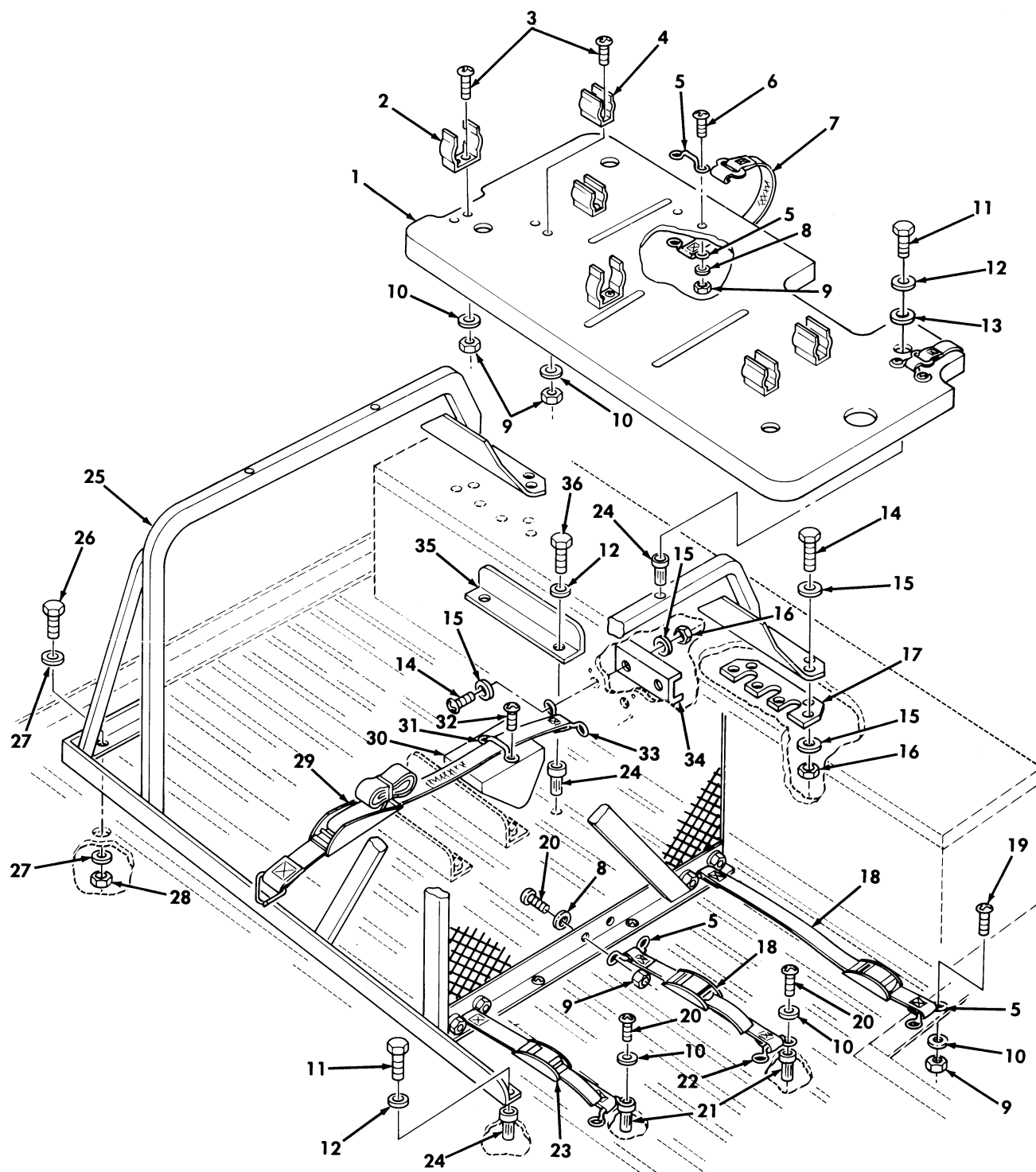


Figure 266H. Kit, Prime Mover, Lt. Howitzer, 105 MM L119, Ammo Rack and Sight Boxes Stowage.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 08 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266H KIT, PRIME MOVER, LT. HOWITZER, 105 MM L119, AMMO RACK AND SIGHT BOXES STOWAGE						
1	MOOZZ		19207	12342595	TRAY, AMMO GUARD TOP MAKE FROM PLYWOOD, P/N MIL-P-18066,.750 THICK, PART OF KIT P/N 57K1628..... UOC:UUU	1
2	PAOZZ	5340013601727	19207	12342584	CLIP, SPRING TENSIONER PART OF KIT P/N 57K1628..... UOC:UUU	2
3	PAOZZ	5305009953442	96906	MS35207-268	SCREW, MACHINE #10-32 X 1.250, PART OF KIT P/N 57K1628..... UOC:UUU	12
4	PAOZZ	5340013598819	19207	12342585	CLIP, SPRING TENSION PART OF KIT P/N 57K1628..... UOC:UUU	4
5	PAOZZ	5340013145957	19207	12338839-1	LOOP, STRAP FASTENER PART OF KIT P/N 57K1628..... UOC:UUU	8
6	PAOZZ	5305009847352	96906	MS35191-278	SCREW, MACHINE #10-32 X 1.50, PART OF KIT P/N 57K1628..... UOC:UUU	4
7	PAOZZ	5340013604909	19207	12339816-3	STRAP, WEBBING PART OF KIT P/N 57K1628..... UOC:UUU	2
8	PAOZZ	5310008098546	96906	MS27183-8	WASHER, FLAT #10, PART OF KIT P/N 57K1628..... UOC:UUU	16
9	PAOZZ	5310002514503	24617	9411893	NUT, LOCK #10-32, PART OF KIT P/N 57K1628..... UOC:UUU	24
10	PAOZZ	5310000145850	96906	MS27183-42	WASHER, FLAT #10, PART OF KIT P/N 57K1628..... UOC:UUU	18
11	PAOZZ	5340013235509	24617	454838	BOLT, MACHINE PART OF KIT P/N 57K1628 UOC:UUU	10
12	PAOZZ	5310005825965	96906	MS35338-44	WASHER, LOCK 1/4, PART OF KIT P/N 57K1628..... UOC:UUU	16
13	PAOZZ	5310008093078	96906	MS27183-11	WASHER, FLAT 1/4, PART OF KIT P/N 57K1628..... UOC:UUU	4
14	PAOZZ	5305002253843	OAT62	35A2C5	SCREW, CAP, HEXAGON H 1/4-20 X 1.00, PART OF KIT P/N 57K1628..... UOC:UUU	14
15	PAOZZ	5310011023270	24617	2436161	WASHER, FLAT 1/4, PART OF KIT P/N 57K1628..... UOC:UUU	28
16	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD 1/4-20, PART OF	14

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 08 (7) QTY
					KIT P/N 57K1628.....	
					UOC:UUU	
17	PFOZZ	5340013602979	19207	12342586	PLATE, MOUNTING PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
18	PAOZZ	5340012552812	19207	12340529-16	STRAP, WEBBING PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
19	PAOZZ	5305009847342	96906	MS35191-274	SCREW, MACHINE #10-32 X .750, PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
20	PAOZZ	5305009931848	96906	MS35207-265	SCREW, MACHINE #10-32 X .750, PART OF KIT P/N 57K1628.....	10
					UOC:UUU	
21	PAOZZ	5310011981723	03481	S10P175	NUT, PLAIN, BLIND RIVET #10-32, PART OF KIT P/N 57K1628.....	4
					UOC:UUU	
22	PAOZZ	2510011995748	19207	12338839-8	LOOP, FOOTMAN, FLAT PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
23	PAOZZ	5340012032708	19207	12340529-7	STRAP, WEBBING PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
24	PAOZZ	5310011981722	19207	12339998-13	PLUSNUT 1/4-20, PART OF KIT P/N 57K1628.....	16
					UOC:UUU	
25	PAOZZ	2590013602417	19207	12342574	RACK, AMMUNITION STORE PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
26	PAOZZ	5305000712070	80204	B1821BH050C175N	BOLT, HEXAGON HEAD 1/2-13 X 1.75, PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
27	PAOZZ	5310001670823	88044	AN960-816	WASHER, FLAT 1/2, PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
28	PAOZZ	5310004883889	96906	MS51943-39	NUT, SELF-LOCKING 1/2-13, PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
29	PAOZZ	5340013601887	19207	12342594	STRAP, WEBBING PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
30	MOOZZ		19207	12342596	WEDGE MAKE FROM WOOD ,P/N 13219E0079, 3.00 THICK, PART OF KIT P/N 57K1628..	1
					UOC:UUU	
31	PAOZZ	5340011978674	19207	12338839-6	HANDLE, BOW PART OF KIT P/N 57K1628.	7
					UOC:UUU	
32	PAOZZ	5305004324254	96906	MS51861-69	SCREW, TAPPING 1/4-13 X 1.00, PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
33	PAOZZ	5340013609070	19207	12342587	CLAMP, BRIDGE PART OF KIT P/N 57K1628	1
					UOC:UUU	
34	PAOZZ	5340013601188	19207	12342583	BRACKET, DOUBLE ANGLE PART OF KIT P/N 57K1628.....	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 08 (7) QTY
35	PAOZZ	5340013601784	19207	12342580	UOC:UUU BRACKET, ANGLE PART OF KIT P/N 57K1628.....	3
36	PAOZZ	5305000680508	07482	1C817P63	UOC:UUU BOLT, HEXAGON 1/4-20 X .750, PART OF KIT P/N 57K1628.....	6

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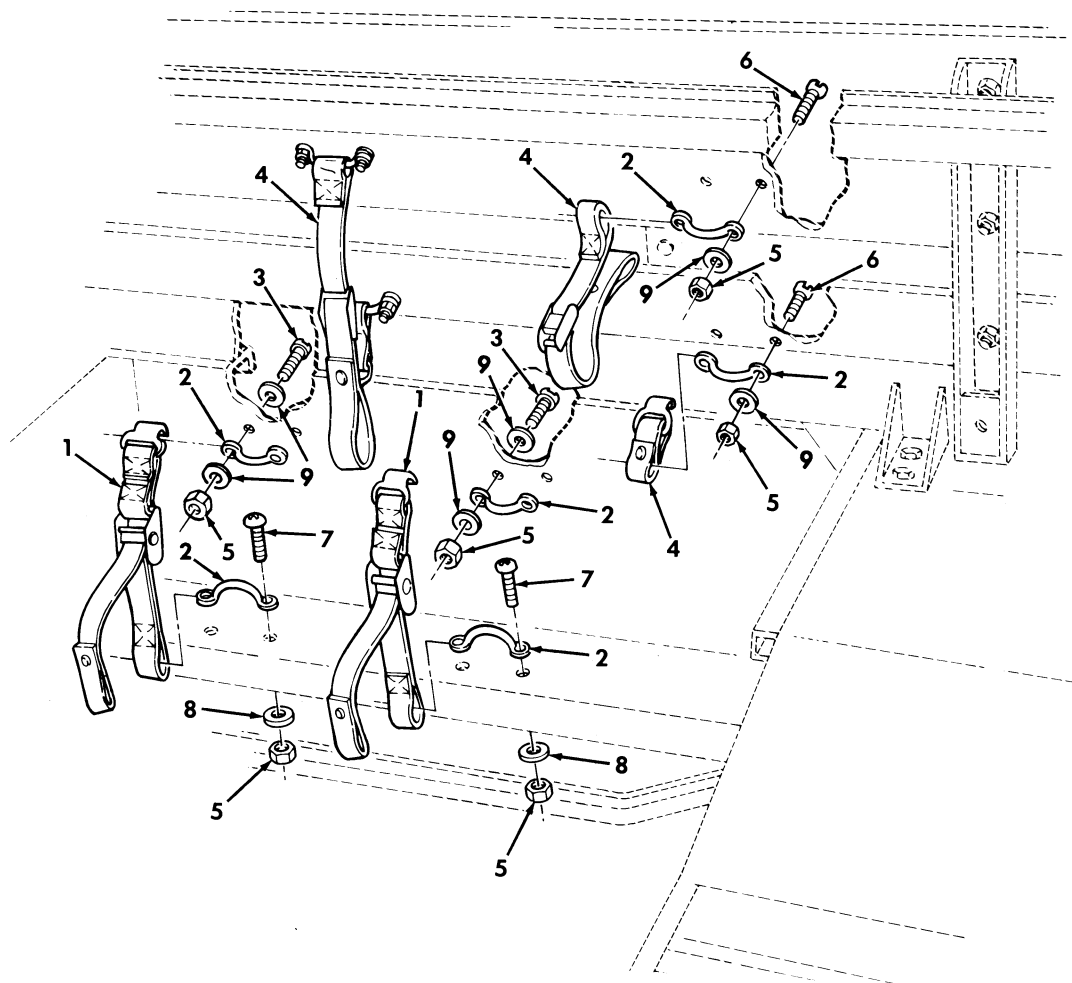


Figure 266I. Kit, Prime Mover, Lt. Howitzer, 105 MM L119, Telephone, Remote, and Tripod Stowage.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 09 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266I KIT, PRIME MOVER, LT. HOWITZER, 105 MM L119, TELEPHONE, REMOTE, AND TRIPOD STOWAGE						
1	PAOZZ	5340013604909	19207	12339816-3	STRAP ASSEMBLY PART OF KIT P/N 57K1628..... UOC:UUU	2
2	PAOZZ	5340013145957	19207	12338839-1	LOOP, STRAP, FASTENER PART OF KIT P/N 57K1628..... UOC:UUU	8
3	PAOZZ	5305009897435	96906	MS35207-264	SCREW, MACHINE PART OF KIT P/N 57K1628..... UOC:UUU	4
4	PAOZZ	5340012658923	19207	12339817-4	STRAP, WEBBING PART OF KIT P/N 57K1628..... UOC:UUU	2
5	PAOZZ	5310002514503	24617	9411893	NUT, LOCK #10-32, PART OF KIT P/N 57K1628..... UOC:UUU	16
6	PAOZZ	5305009572635	96906	MS35191-277	SCREW, MACHINE #10-32 X 1.25, PART OF KIT P/N 57K1628..... UOC:UUU	8
7	PAOZZ	5305009847341	96906	MS35191-273	SCREW, MACHINE #10-32 X 0.625, PART OF KIT P/N 57K1628..... UOC:UUU	4
8	PAOZZ	5310000145850	96906	MS27183-42	WASHER, FLAT #10, PART OF KIT P/N 57K1628..... UOC:UUU	4
9	PAOZZ	5310008098546	96906	MS27183-8	WASHER, FLAT #10, PART OF KIT P/N 57K1628..... UOC:UUU	16

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

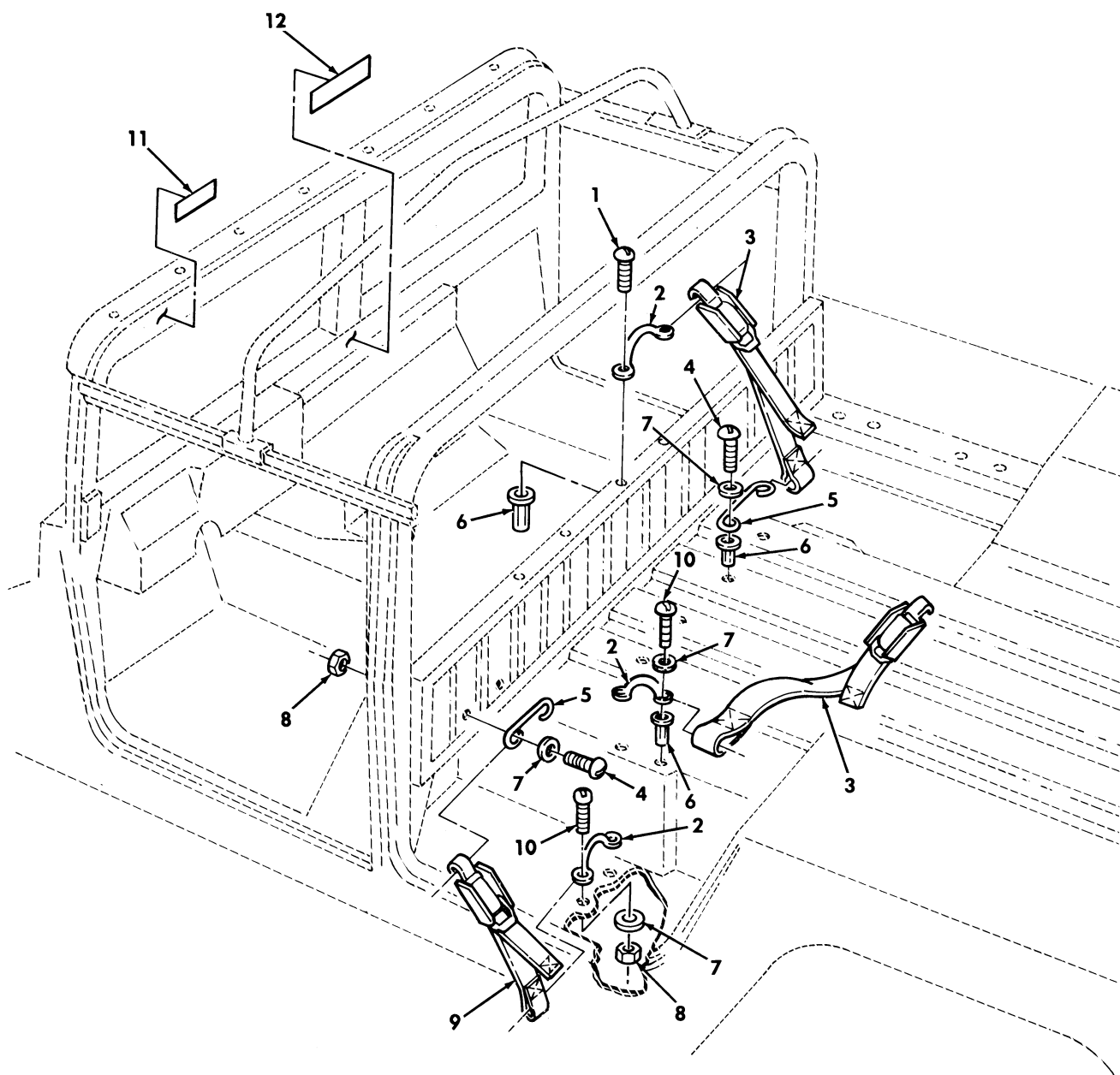


Figure 266J. Kit, Prime Mover, Lt. Howitzer, 105 MM L119, Fuel Can, Water Can, Section Chest, and Spade Stowage.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 10 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266J KIT, PRIME MOVER, LT. HOWITZER, 105 MM L119, FUEL CAN, WATER CAN, SECTION CHEST, AND SPADE STOWAGE						
1	PAOZZ	5305009847342	96906	MS35191-274	SCREW, MACHINE #10-32 X 0.75, PART OF KIT P/N 57K1628.....	4
					UOC:UUU	
2	PAOZZ	5340013145957	19207	12338839-1	LOOP, STRAP, FASTENER PART OF KIT P/N 57K1628.....	5
					UOC:UUU	
3	PAOZZ	5340012584529	19207	12340507-4	STRAP, WEBBING PART OF KIT P/N 57K1628.....	4
					UOC:UUU	
4	PAOZZ	5305009931848	96906	MS35207-265	SCREW, MACHINE PART OF KIT P/N 57K1628.....	8
					UOC:UUU	
5	PAOZZ	2510011995748	19207	12338839-8	LOOP, FOOTMAN, FLAT PART OF KIT P/N 57K1628.....	4
					UOC:UUU	
6	PAOZZ	5310011981723	03481	S10P175	NUT, PLAIN, BLIND RIVET #10-32, PART OF KIT P/N 57K1628.....	12
					UOC:UUU	
7	PAOZZ	5310000145850	96906	MS27183-42	WASHER, FLAT #10, PART OF KIT P/N 57K1628.....	14
					UOC:UUU	
8	PAOZZ	5310002514503	24617	9411893	NUT, LOCK #10-32, PART OF KIT P/N 57K1628.....	6
					UOC:UUU	
9	PAOZZ	5340013617879	19207	12340507-6	STRAP, RETAINING PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
10	PAOZZ	5305009847341	96906	MS35191-273	SCREW, MACHINE #10-32 X 5/8, PART OF KIT P/N 57K1628.....	6
					UOC:UUU	
11	PAOZZ	9905013658849	19207	12342670	PLATE, INSTRUCTION PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
12	PAOZZ		19207	12342669	DECAL CAUTION PART OF KIT P/N 57K1628.....	1
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

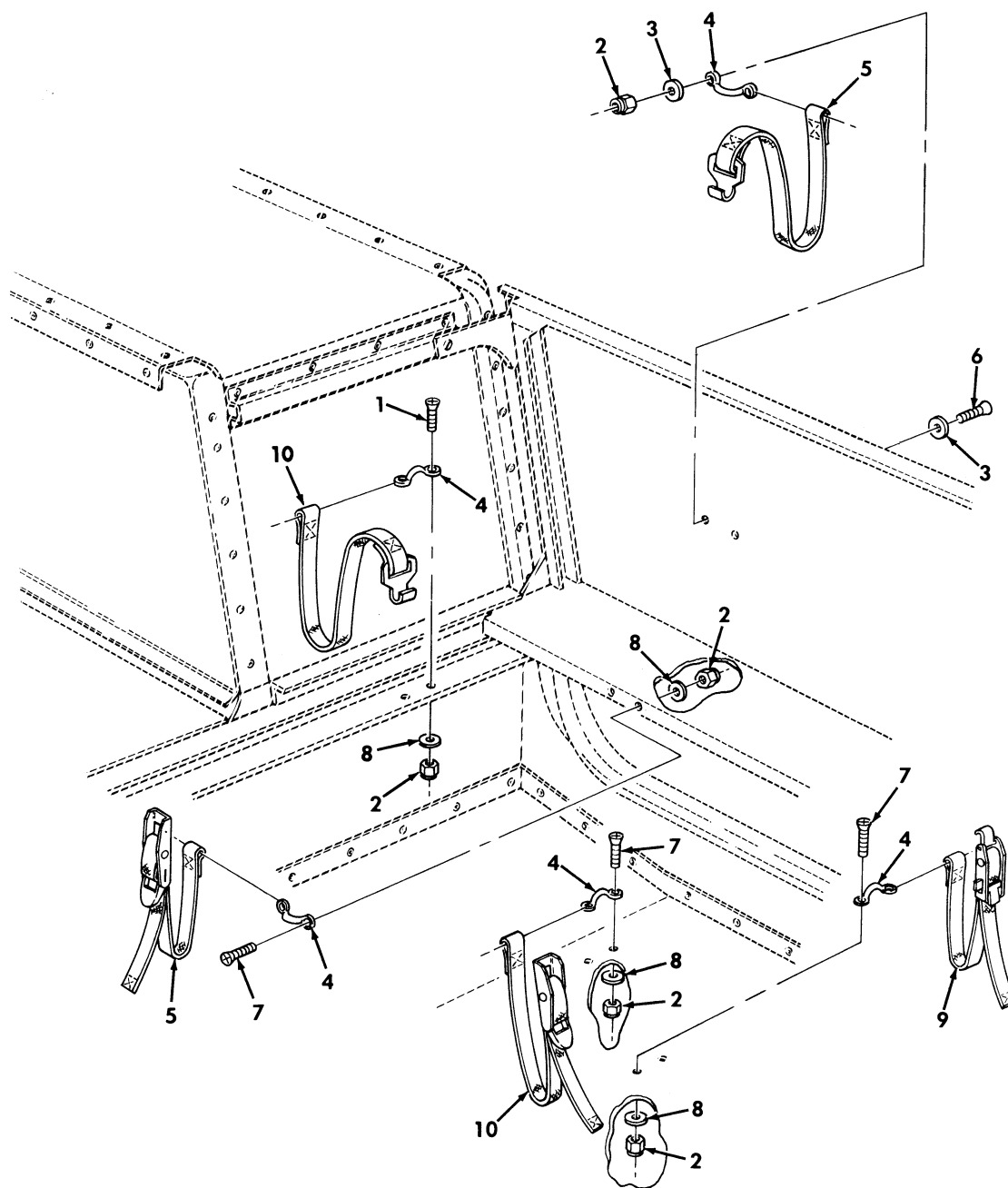


Figure 266K. Kit, Prime Mover, Lt. Howitzer, 105 MM L119, G.D.U. and G.D.U. Battery Stowage.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 11 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266K KIT, PRIME MOVER, LT. HOWITZER, 105 MM L119, G.D.U. AND G.D.U. BATTERY STOWAGE						
1	PAOZZ	5305009847343	96906	MS35191-276	SCREW, MACHINE #10-32 X 1.00, PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
2	PAOZZ	5310002514503	24617	9411893	NUT, LOCK #10-32, PART OF KIT P/N 57K1628.....	10
					UOC:UUU	
3	PAOZZ	5310008098546	96906	MS27183-8	WASHER, FLAT #10, PART OF KIT P/N 57K1628.....	4
					UOC:UUU	
4	PAOZZ	5340013145957	19207	12338839-1	LOOP, STRAP, FASTENER PART OF KIT P/N 57K1628.....	5
					UOC:UUU	
5	PAOZZ	5340012032708	19207	12340529-7	STRAP, WEBBING PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
6	PAOZZ	5305009897435	96906	MS35207-264	SCREW, MACHINE #10-32 X 5/8, PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
7	PAOZZ	5305009847341	96906	MS35191-273	SCREW, MACHINE #10-32 X 5/8, PART OF KIT P/N 57K1628.....	6
					UOC:UUU	
8	PAOZZ	5310000145850	96906	MS27183-42	WASHER, FLAT #10, PART OF KIT P/N 57K1628.....	8
					UOC:UUU	
9	PAOZZ	5340013617879	19207	12340507-6	STRAP, WEBBING PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
10	PAOZZ	5340012552812	19207	12340529-16	STRAP, WEBBING PART OF KIT P/N 57K1628.....	2
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

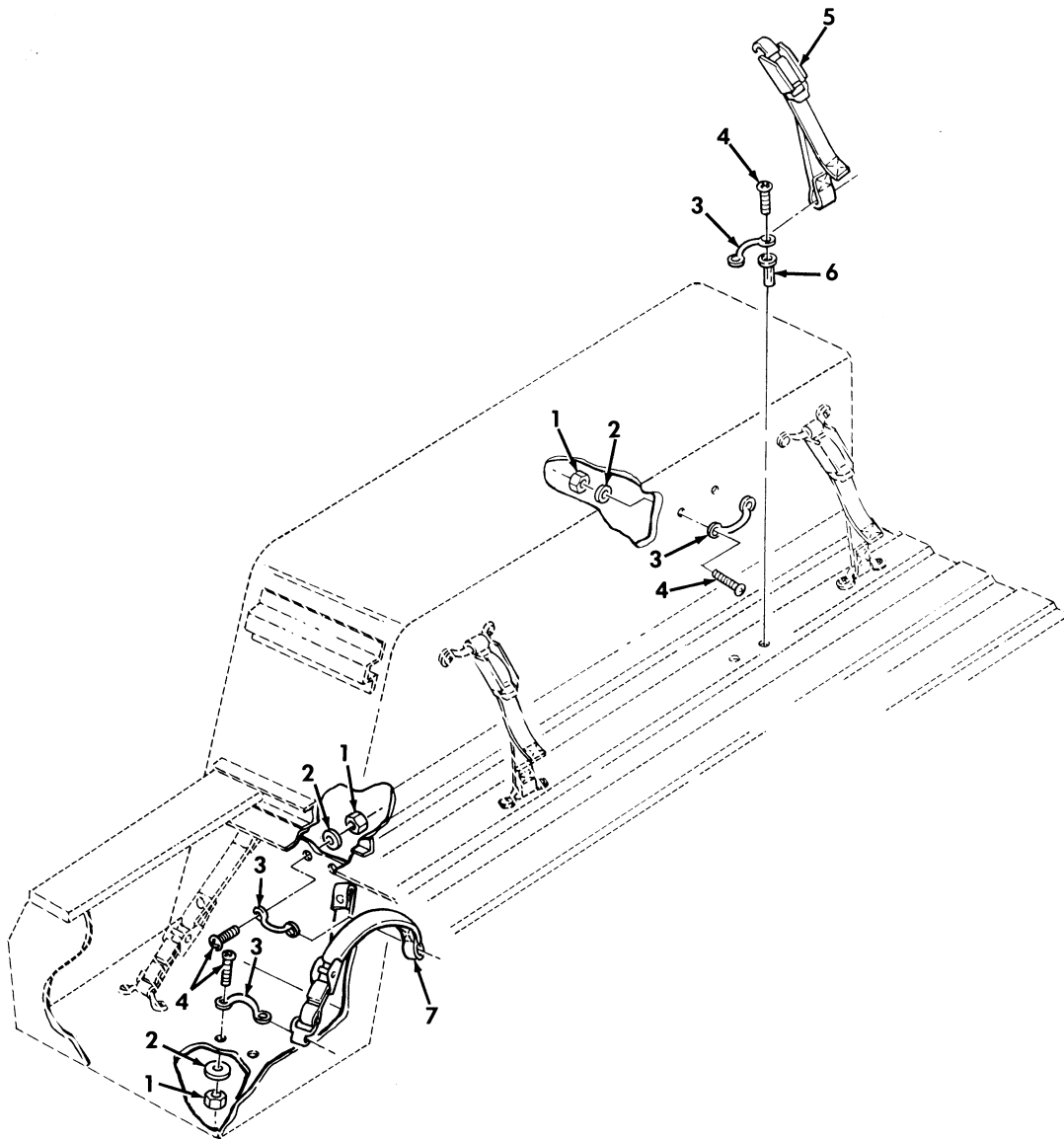


Figure 266L. Kit, Prime Mover, Lt. Howitzer, 105 MM L119, Aiming Post and Cable Reel Stowage.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0267 12 (7) QTY
GROUP 3307 SPECIAL PURPOSE KITS						
FIG. 266L KIT, PRIME MOVER, LT. HOWITZER, 105 MM L119, AIMING POST AND CABLE REEL STOWAGE						
1	PAOZZ	5310002514503	24617	9411893	NUT, LOCK #10-32, PART OF KIT P/N 57K1628.....	19
					UOC:UUU	
2	PAOZZ	5310000145850	96906	MS27183-42	WASHER, FLAT #10, PART OF KIT P/N 57K1628.....	19
					UOC:UUU	
3	PAOZZ	5340013145957	19207	12338839-1	LOOP, STRAP, FASTENER PART OF KIT P/N 57K1628.....	10
					UOC:UUU	
4	PAOZZ	5305009847341	96906	MS35191-273	SCREW, MACHINE #10-32 X 5/8, PART OF KIT P/N 57K1628.....	20
					UOC:UUU	
5	PAOZZ	5340012584529	19207	12340507-4	STRAP, WEBBING PART OF KIT P/N 57K1628.....	3
					UOC:UUU	
6	PAOZZ	5310011981723	03481	S10P175	NUT, PLAIN, BLIND RIVET #10-32, PART OF KIT P/N 57K1628.....	1
					UOC:UUU	
7	PAOZZ	5340011985165	31272	45096-10	STRAP, WEBBING PART OF KIT P/N 57K1628.....	2
					UOC:UUU	
KIT	PDOZZ	2590013489748	19207	57K1628	MODIFICATION KIT,VEHICLE PRIME MOVER,Lt. HOWITZER 105 MM L119.....	1
					UOC:UUU	
					BOLT, HEXAGON (1) 266H-26	
					BOLT, MACHINE (10) 266H-11	
					BOLT, MACHINE (6) 266H-36	
					BRACKET, ANGLE (3) 266H-35	
					BRACKET, DOUBLE ANGLE (1) 266H-34	
					CLAMP, BRIDGE (1) 266H-33	
					CLIP, SPRING (4) 266H-4	
					CLIP, SPRING (2) 266H-2	
					HANDLE, BOW (7) 266H-31	
					LOOP, FOOTMAN (2) 266H-22	
					LOOP, STRAP, FASTENER (4) 266J-5	
					LOOP, STRAP, FASTENER (8) 266H-5	
					LOOP, STRAP, FASTENER (8) 266I-2	
					LOOP, STRAP, FASTENER (5) 266J-2	
					LOOP, STRAP, FASTENER (5) 266K-4	
					LOOP, STRAP, FASTENER (10) 266K-3	
					NUT, LOCK (24) 266H-9	
					NUT, LOCK (16) 266I-5	
					NUT, LOCK (6) 266J-8	
					NUT, LOCK (10) 266K-2	
					NUT, LOCK (19) 266L-1	
					NUT, PLAIN, BLIND RIVET (4) 266H-21	
					NUT, PLAIN, BLIND RIVET (12) 266J-6	

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI 9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES(UOC)	0267 12 (7) QTY
					NUT, PLAIN, BLIND RIVET (1)	266L-6
					NUT, SELF-LOCKING (14)	266H-16
					NUT, SELF-LOCKING (1)	266H-28
					PLATE, INSTRUCTION (1)	266J-11
					PLATE, INSTRUCTION (1)	266J-12
					PLATE, MOUNTING (2)	266H-17
					PLUSNUT (16)	266H-24
					RACK, AMMUNITION STORE (1)	266H-25
					SCREW, CAP, HEXAGON H (14)	266H-14
					SCREW, MACHINE (6)	266J-10
					SCREW, MACHINE (12)	266H-3
					SCREW, MACHINE (4)	266H-6
					SCREW, MACHINE (2)	266H-19
					SCREW, MACHINE (10)	266H-20
					SCREW, MACHINE (4)	266I-3
					SCREW, MACHINE (8)	266I-6
					SCREW, MACHINE (4)	266I-7
					SCREW, MACHINE (4)	266J-1
					SCREW, MACHINE (8)	266J-4
					SCREW, MACHINE (2)	266K-1
					SCREW, MACHINE (2)	266K-6
					SCREW, MACHINE (6)	266K-7
					SCREW, MACHINE (20)	266L-4
					SCREW, TAPPING (2)	266H-32
					STRAP ASSEMBLY (2)	266I-1
					STRAP, RETAINING (1)	266H-29
					STRAP, RETAINING (1)	266J-9
					STRAP, RETAINING (2)	266H-7
					STRAP, WEBBING (2)	266H-18
					STRAP, WEBBING (1)	266H-23
					STRAP, WEBBING (2)	266I-4
					STRAP, WEBBING (4)	266J-3
					STRAP, WEBBING (2)	266K-5
					STRAP, WEBBING (2)	266L-7
					STRAP, WEBBING (1)	266K-9
					STRAP, WEBBING (2)	266K-9
					STRAP, WEBBING (3)	266L-5
					TRAY, AMMO (1)	266H-1
					WASHER, FLAT (16)	266H-8
					WASHER, FLAT (18)	266H-10
					WASHER, FLAT (4)	266H-13
					WASHER, FLAT (28)	266H-15
					WASHER, FLAT (2)	266H-27
					WASHER, FLAT (4)	266I-8
					WASHER, FLAT (16)	266I-9
					WASHER, FLAT (14)	266J-7
					WASHER, FLAT (4)	266K-3
					WASHER, FLAT (8)	266K-8
					WASHER, FLAT (19)	266L-2
					WASHER, LOCK (16)	266H-12
					WEDGE (1)	266H-30

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0267 12-2

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

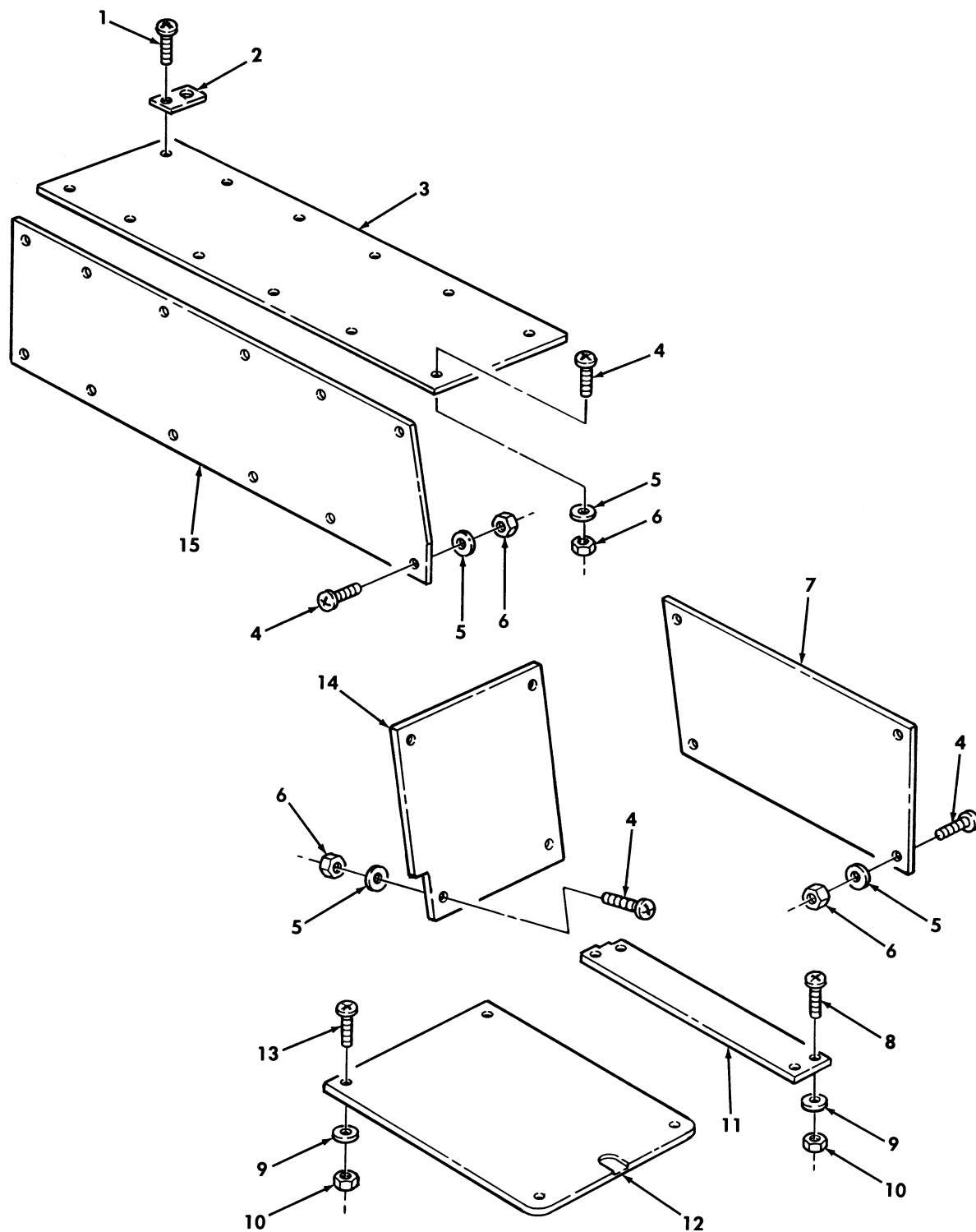


Figure 266M Two Door Seat and Floor Covers.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 13 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 266M TWO DOOR SEAT AND FLOOR COVERS						
1	PAOZZ	5305009002546	96906	MS35492-28	SCREW, WOOD #6 X .50, PART OF KIT P/N 5705611.....	12
					UOC:UUU	
2	PAOZZ	5365013168966	19207	12342210	SPACER, PLATE PART OF KIT P/N 5705611	12
					UOC:UUU	
3	KFFZZ		19207	12342181	TOP COVER ASSEMBLY L.H., PART OF KIT P/N 5705611.....	1
					UOC:UUU	
3	KFFZZ		19207	12342182-2	TOP COVER ASSEMBLY R.H., PART OF KIT P/N 5705611.....	1
					UOC:UUU	
4	PAOZZ	5305009932457	96906	MS35207-284	SCREW, MACHINE #10-32 X 1.50, PART OF KIT P/N 5705611.....	48
					UOC:UUU	
5	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT #10, PART OF KIT P/N 5705611.....	48
					UOC:UUU	
6	PAOZZ	5310004838791	96906	MS17829-4F	NUT, SELF-LOCKING, HEAD #10-32, PART OF KIT P/N 5705611.....	48
					UOC:UUU	
7	MFFZZ		19207	12342171-1	COVER R.H., MAKE FROM PLYWOOD, P/N NN-P-530 PART OF KIT P/N 5705611....	1
					UOC:UUU	
7	MFFZZ		19207	12342171-2	COVER L.H., MAKE FROM PLYWOOD, P/N NN-P-530 PART OF KIT P/N 5705611....	1
					UOC:UUU	
8	PAOZZ	5305009592704	96906	MS35191-324	SCREW, MACHINE 3/8-24 X 1.75, PART OF KIT P/N 5705611.....	8
					UOC:UUU	
9	PAOZZ	5310010164871	88044	AN960-616	WASHER, FLAT 3/8, PART OF KIT P/N 5705611.....	16
					UOC:UUU	
10	PAOZZ	5310010583353	72582	192481	NUT, SELF-LOCKING, HEAD 3/8-24, PART OF KIT P/N 5705611.....	16
					UOC:UUU	
11	KFFZZ		19207	12342170	COVER, FLOOR L.H., PART OF KIT P/N 5705611.....	1
					UOC:UUU	
11	KFFZZ		19207	12342265	COVER, FLOOR R.H., PART OF KIT P/N 5705611.....	1
					UOC:UUU	
12	KFFZZ		19207	12342184	SEAT BACK PART OF KIT P/N 5705611..	2
					UOC:UUU	
13	PAOZZ	5305008242004	96906	MS35191-326	SCREW, MACHINE 3/8-24 X 2.50, PART OF KIT P/N 5705611.....	8
					UOC:UUU	
14	KFFZZ		19207	12342172	COVER ASSEMBLY L.H., PART OF KIT P/N 5705611.....	1

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 13 (7) QTY
14	KFFZZ		19207	12342183	UOC:UUU COVER ASSEMBLY R.H., PART OF KIT P/N 5705611.....	1
15	KFFZZ		19207	12342180	UOC:UUU COVER ASSEMBLY L.H., SIDE, PART OF KIT P/N 5705611.....	1
15	KFFZZ		19207	12342257	COVER ASSEMBLY R.H., SIDE, PART OF KIT P/N 5705611..... UOC:UUU	1

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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

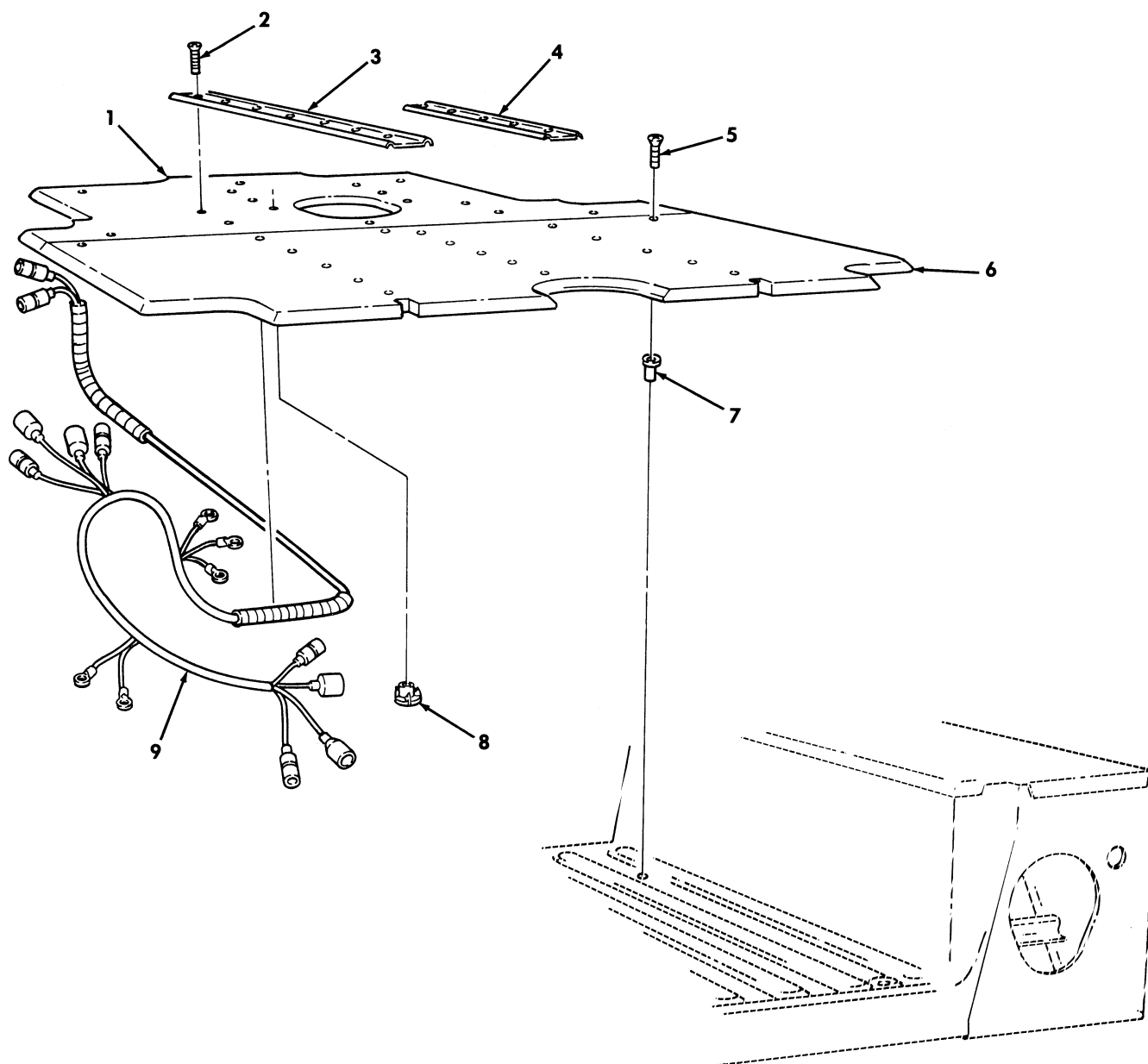


Figure 267N. Cargo Floor Cover and Harness Assembly.

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
SMI9-2320-387-14&P-1						
0267 14						
GROUP 3303 WINTERIZATION KITS						
FIG. 267N CARGO FLOOR COVER AND HARNESS ASSEMBLY						
1	KFFZZ		19207	12342178	FLOOR COVER ASSEMBLY PART OF KIT P/N 5705611.....	1
						UOC:UUU
2	PAOZZ	5305009026643	96906	MS35492-76	SCREW, WOOD #10 X .75 PART OF KIT P/N 5705611.....	19
						UOC:UUU
3	PAOZZ	2590013174856	34623	12342179	MOLDING, METAL PART OF KIT P/N 5705611.....	2
						UOC:UUU
4	PAOZZ	2590013173953	34623	12342203	MOLDING, METAL PART OF KIT P/N 5705611.....	1
						UOC:UUU
5	PAOZZ	5305009585262	96906	MS35190-324	SCREW, MACHINE 3/8-16 X 2.25 PART OF KIT P/N 5705611.....	9
						UOC:UUU
6	KFFZZ		19207	12342177	FLOOR COVER ASSEMBLY PART OF KIT P/N 5705611.....	1
						UOC:UUU
7	PAOZZ	5310012838482	96906	MS27130-CR31	NUT, PLAIN, BLIND RIVET 3/8-16 PART OF KIT P/N 5705611.....	9
						UOC:UUU
8	PAOZZ	5310010256444	96906	MS51941-10	NUT, PLAIN, PLATE PART OF KIT P/N 5705611.....	6
						UOC:UUU
9	PFFZZ	6150013246356	19207	12342255	CABLE ASSEMBLY, SPEC PART OF KIT P/N 5705611.....	1
						UOC:UUU

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

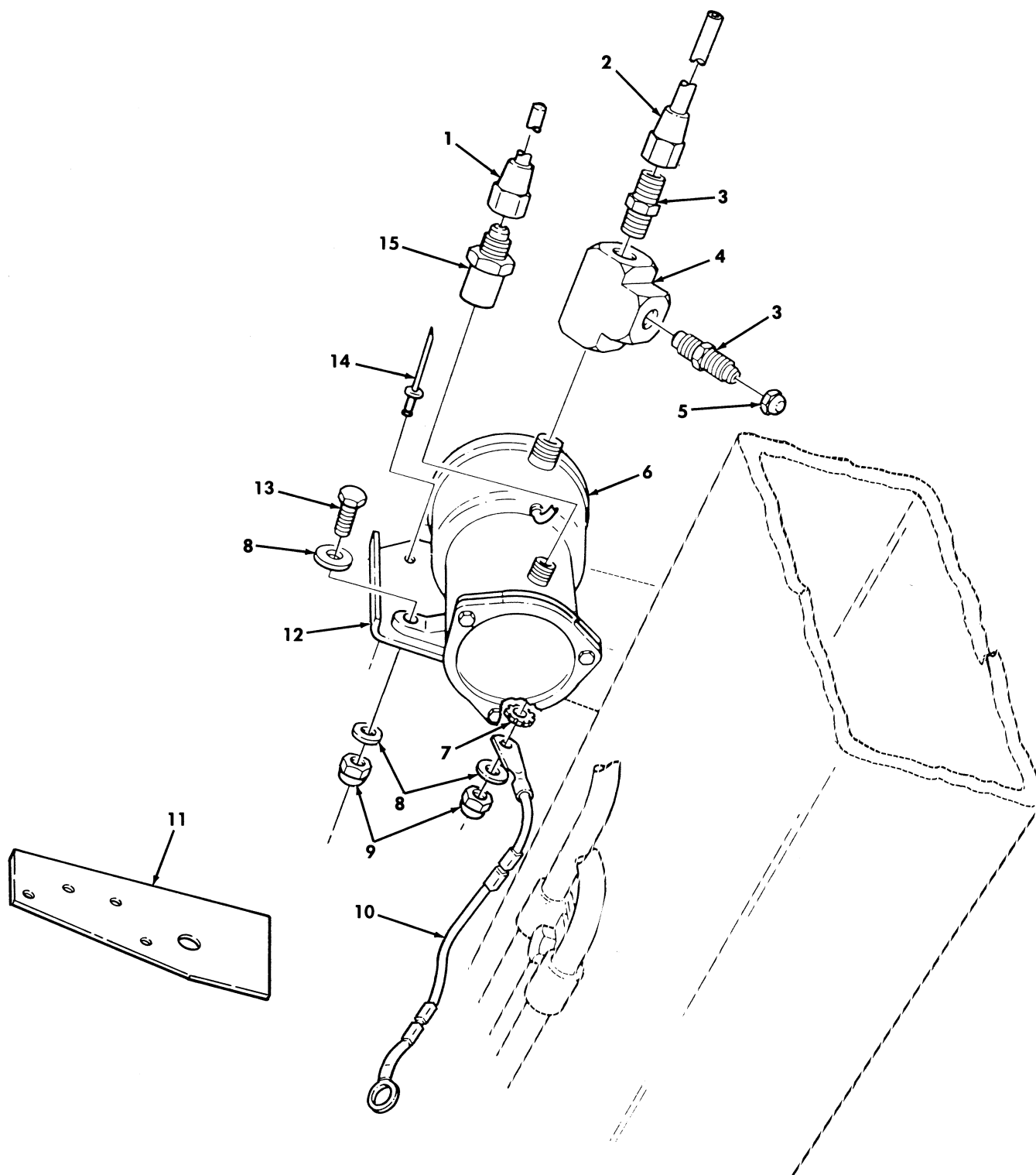
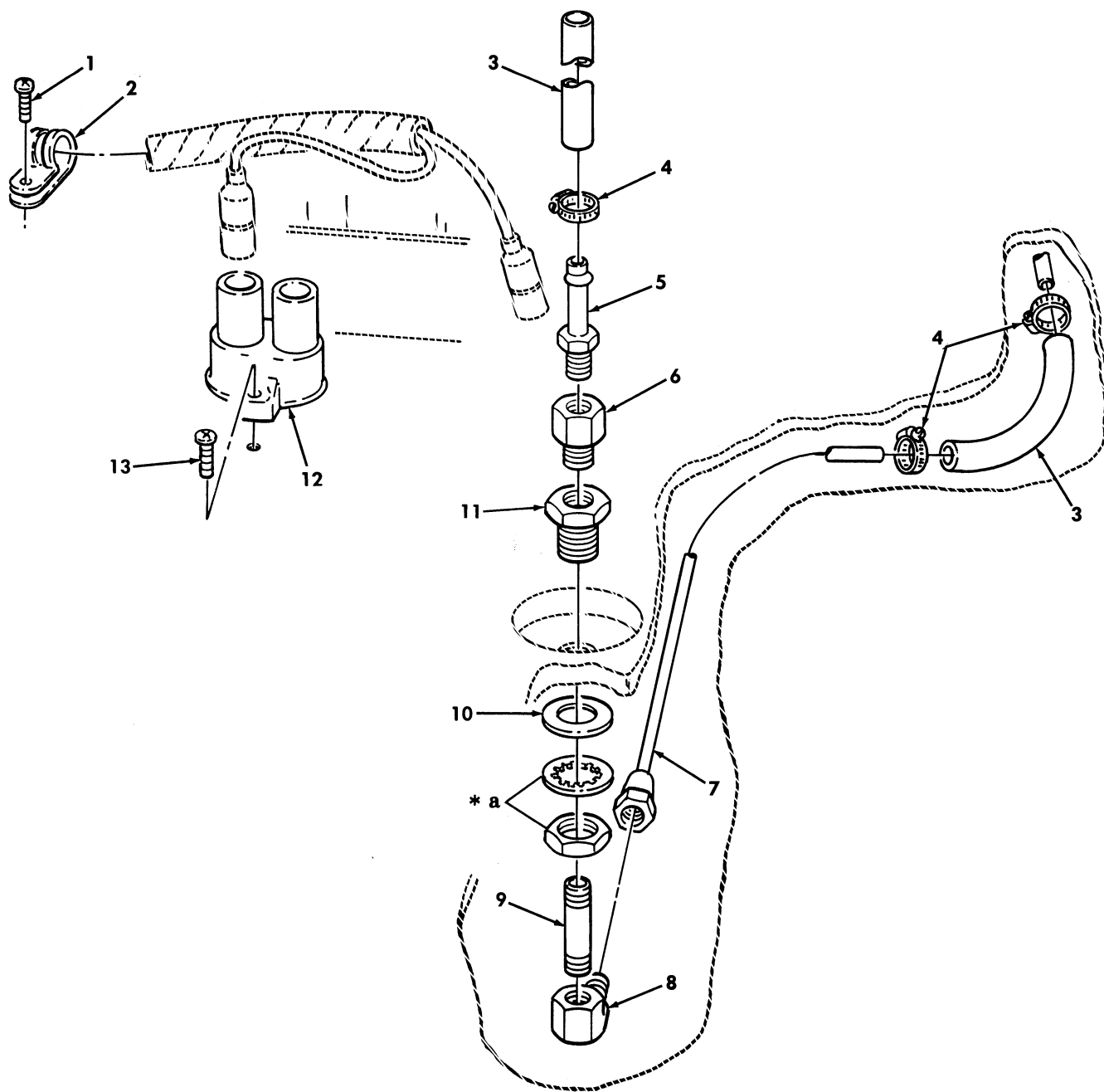


Figure 2670. Winterization Kit, Fuel Pump, and Attaching Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 15 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 2670 WINTERIZATION KIT, FUEL PUMP AND ATTACHING HARDWARE						
1	PFOZZ	4710012030608	34623	5588696	TUBE ASSEMBLY, METAL PART OF KIT P/N 5705611..... UOC:UUU	1
2	PFOZZ	4710013171046	34623	12342277	TUBE ASSEMBLY, METAL PART OF KIT P/N 5705611..... UOC:UUU	1
3	PAOZZ	4730005291237	13899	191410	ADAPTER, STRAIGHT, PIPE PART OF KIT P/N 5705611..... UOC:UUU	2
4	PAOZZ	4730010489739	81343	4-4-4 140438C	TEE, PIPE PART OF KIT P/N 5705611... UOC:UUU	1
5	PAOZZ	4730002608285	81343	5010112B(N5)	CAP, TUBE PART OF KIT P/N 5705611... UOC:UUU	1
6	PAOZZ	2910014553197	96906	MS51321-2	PUMP, FUEL, ELECTRICAL PART OF KIT P/N 5705611..... UOC:UUU	1
7	PAOZZ	5310005501130	96906	MS35338-40	WASHER, LOCK 1/4, PART OF KIT P/N 5705611..... UOC:UUU	1
8	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4, PART OF KIT P/N 5705611..... UOC:UUU	4
9	PAOZZ	5310000614650	96906	MS51943-31	NUT, SELF-LOCKING, HEAD PART OF KIT P/N 5705611..... UOC:UUU	2
10	PAOZZ	6150012608000	34623	5595746	LEAD, ELECTRICAL PART OF KIT P/N 5705611..... UOC:UUU	1
11	PFFZZ	2910013206645	34623	12340696	TEMPLATE, FUEL PART OF KIT P/N 5705611..... UOC:UUU	1
12	PFOZZ	5340012043903	19207	12338559	BRACKET, DOUBLE ANGLE PART OF KIT P/N 5705611..... UOC:UUU	1
13	PAOZZ	5305000680502	96906	MS90725-6	SCREW, CAP, HEXAGON H 1/4-20 X .75, PART OF KIT P/N 5705611..... UOC:UUU	2
14	PAOZZ	5320011357319	81249	M7885/2-6-03	RIVET, BLIND .126-.187, PART OF KIT P/N 5705611..... UOC:UUU	4
15	PAOZZ	4730002776347	34623	5583386	ADAPTER, STRAIGHT, PIPE PART OF KIT P/N 5705611..... UOC:UUU	1

END OF FIGURE

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* a PART OF ITEM 11

Figure 267P. Fuel Pump Tube Assembly.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 16 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267P FUEL PUMP TUBE ASSEMBLY						
1	PAOZZ	5305000567879	96906	MS35493-74	SCREW, WOOD #10 X .50, PART OF KIT P/N 5705611..... UOC:UUU	1
2	PAOZZ	5340009899222	96906	MS21333-74	CLAMP, LOOP PART OF KIT P/N 5705611. UOC:UUU	1
3	MOOZZ		7X677	94383154-3	TUBE MAKE FROM HOSE, P/N MIL-H-13444, 7 INCHES LONG PART OF KIT P/N 5705611..... UOC:UUU	2
4	PAOZZ	4730002782523	88907	B54-32780	CLAMP, LOOP PART OF KIT P/N 5705611. UOC:UUU	3
5	PAOZZ	4730013576523	4A439	BN252	ADAPTER, STRAIGHT, PIPE PART OF KIT P/N 5705611..... UOC:UUU	1
6	PAOZZ	4730013477342	81343	4-4 130139C	COUPLING, PIPE PART OF KIT P/N 5705611..... UOC:UUU	1
7	PAOZZ	4710013171045	34623	12342270	TUBE ASSEMBLY, METAL PART OF KIT P/N 5705611..... UOC:UUU	1
8	PFOZZ	4730012031025	81343	5010203CA	ELBOW, PIPE TO TUBE PART OF KIT P/N 5705611..... UOC:UUU	1
9	PAOZZ	4730013153242	96906	MS51873-32	NIPPLE, PIPE PART OF KIT P/N 5705611 UOC:UUU	1
10	PAOZZ	5310008098533	96906	MS27183-23	WASHER, FLAT 1-1/2, PART OF KIT P/N 5705611..... UOC:UUU	1
11	PAOZZ	4730008975497	79470	W21204	COUPLING, PIPE PART OF KIT P/N 5705611..... UOC:UUU	1
12	PAOZZ	5925000264767	81349	M13516/1-1	CIRCUIT BREAKER PART OF KIT P/N 5705611..... UOC:UUU	1
13	PAOZZ	5305009012134	96906	MS35493-55	SCREW, WOOD #8 X 1.00, PART OF KIT P/N 5705611..... UOC:UUU	2

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

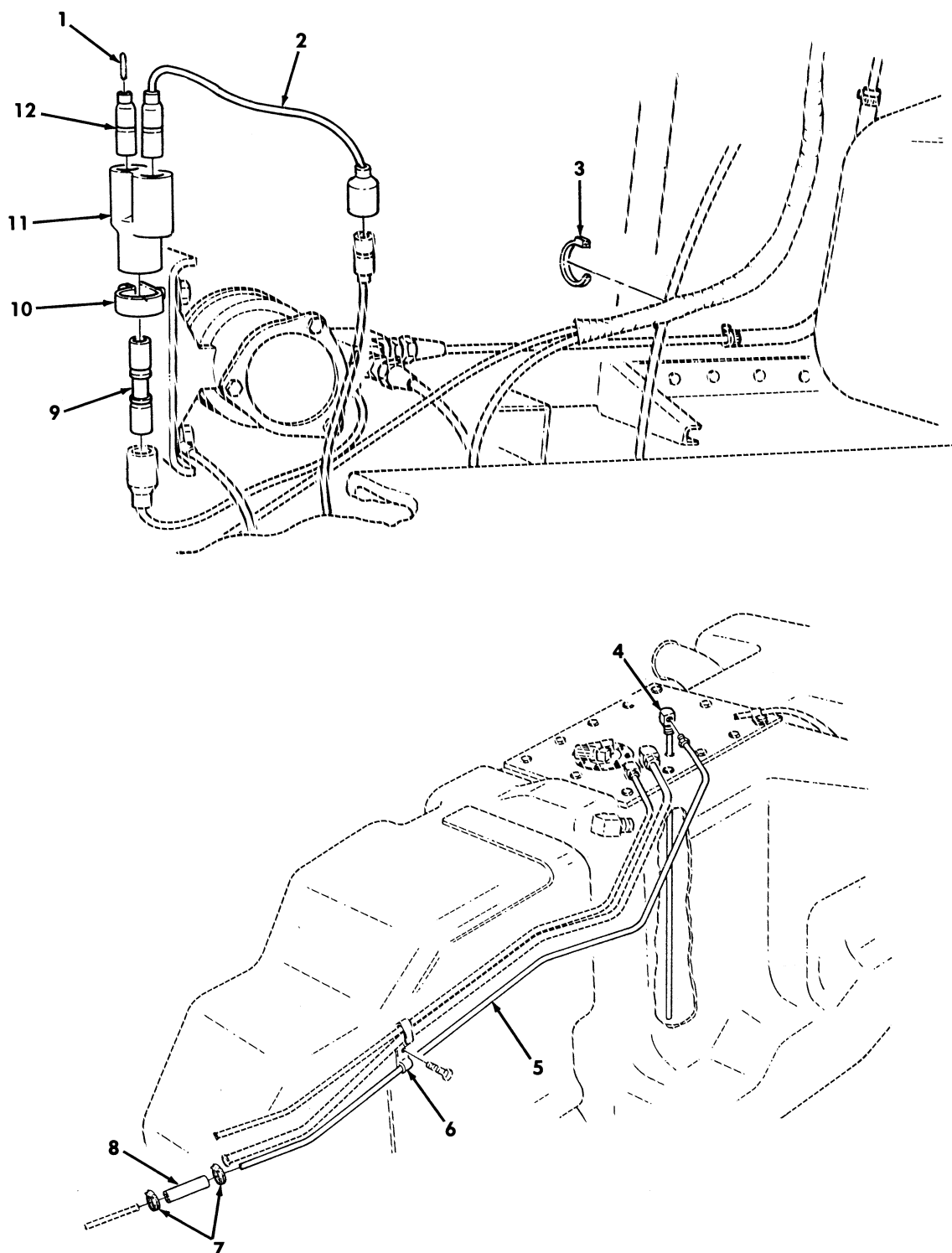


Figure 267Q. Winterization Kit, Fuel Line and Jumper Cable.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 17 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267Q WINTERIZATION KIT, FUEL LINE AND JUMPER CABLE						
1	PAOZZ	5935002140904	19207	7982907	DUMMY, CONNECTOR, PLUG PART OF KIT P/N 5705611.....	1
					UOC:UUU	
2	PAOZZ	6150013960906	19207	12342902	LEAD, ELECTRICAL PART OF KIT P/N 5705611.....	1
					UOC:UUU	
3	PAOZZ	5975001338687	96906	MS3367-5-0	STRAP, TIEDOWN, ELECTRICAL PART OF KIT P/N 5705611.....	1
					UOC:UUU	
4	PAOZZ	4710012030615	34623	5578694	TUBE ASSEMBLY, METAL PART OF KIT P/N 5705611.....	1
					UOC:UUU	
5	PAOZZ	4710012030607	34623	5588694	TUBE ASSEMBLY, METAL PART OF KIT P/N 5705611.....	1
					UOC:UUU	
6	PAOZZ	5340009936207	96906	MS21333-99	CLAMP, LOOP PART OF KIT P/N 5705611.	1
					UOC:UUU	
7	PAOZZ	4730011188278	76599	MMF4-SS	CLAMP, HOSE PART OF KIT P/N 57T5611.	2
					UOC:UUU	
8	PAOZZ	4720013162538	9C234	12338553-1	HOSE, NONMETALLIC PART OF KIT P/N 5705611.....	1
					UOC:UUU	
9	PAOZZ	5935008074109	19207	8741492	ADAPTER, CONNECTOR PART OF KIT P/N 5705611.....	1
					UOC:UUU	
10	PAOZZ	5340002827537	96906	MS21333-41	CLAMP, LOOP PART OF KIT P/N 5705611.	1
					UOC:UUU	
11	PAOZZ	5935009006281	96906	MS27147-1	ADAPTER, CONNECTOR 3-WAY, PART OF KIT P/N 5705611.....	1
					UOC:UUU	
12	PAOZZ	5935008338561	19207	8338561	SHELL, ELECTRICAL CO PART OF KIT P/N 5705611.....	1
					UOC:UUU	

END OF FIGURE

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REPAIR PARTS AND SPECIAL TOOLS LIST

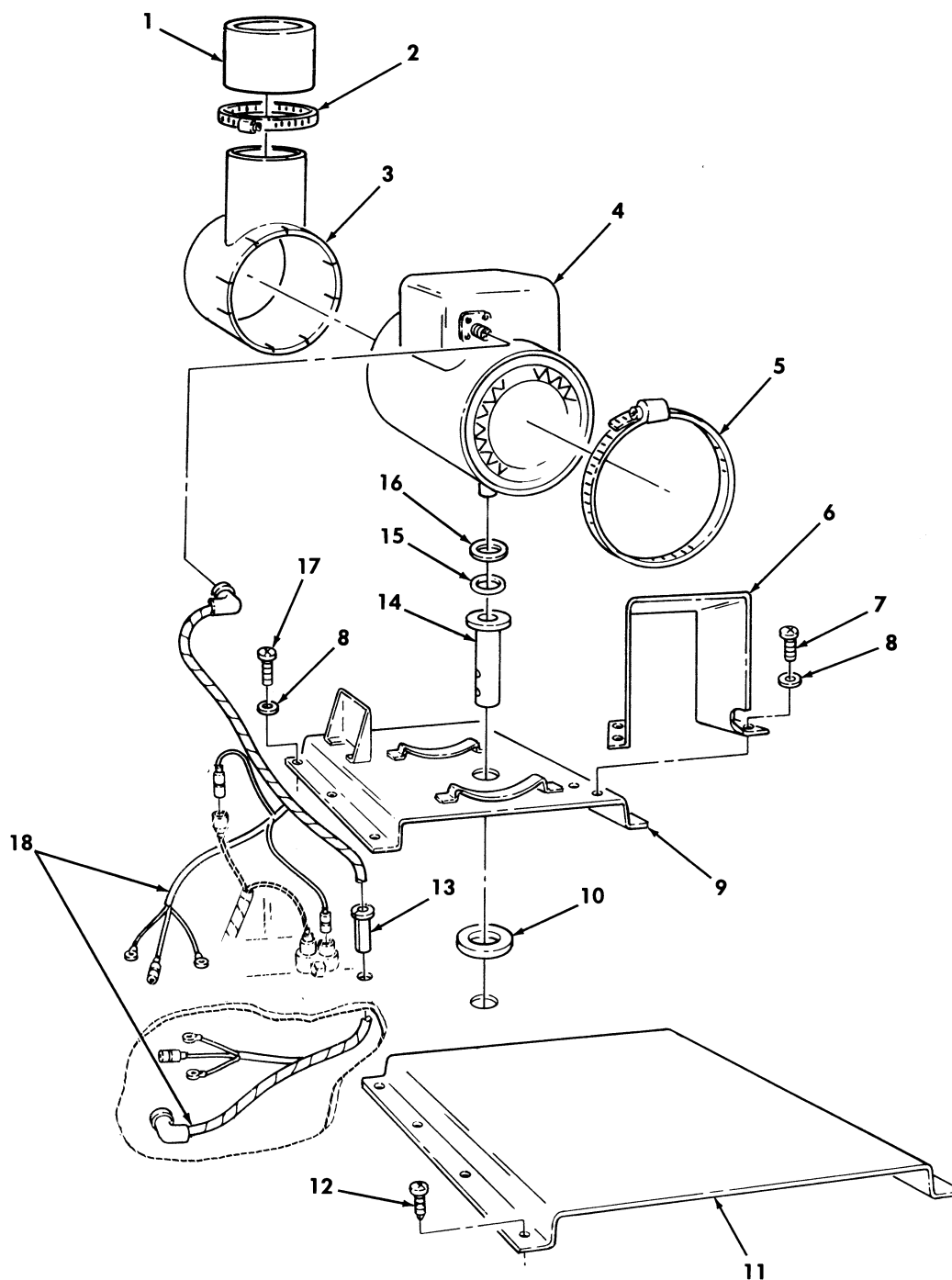
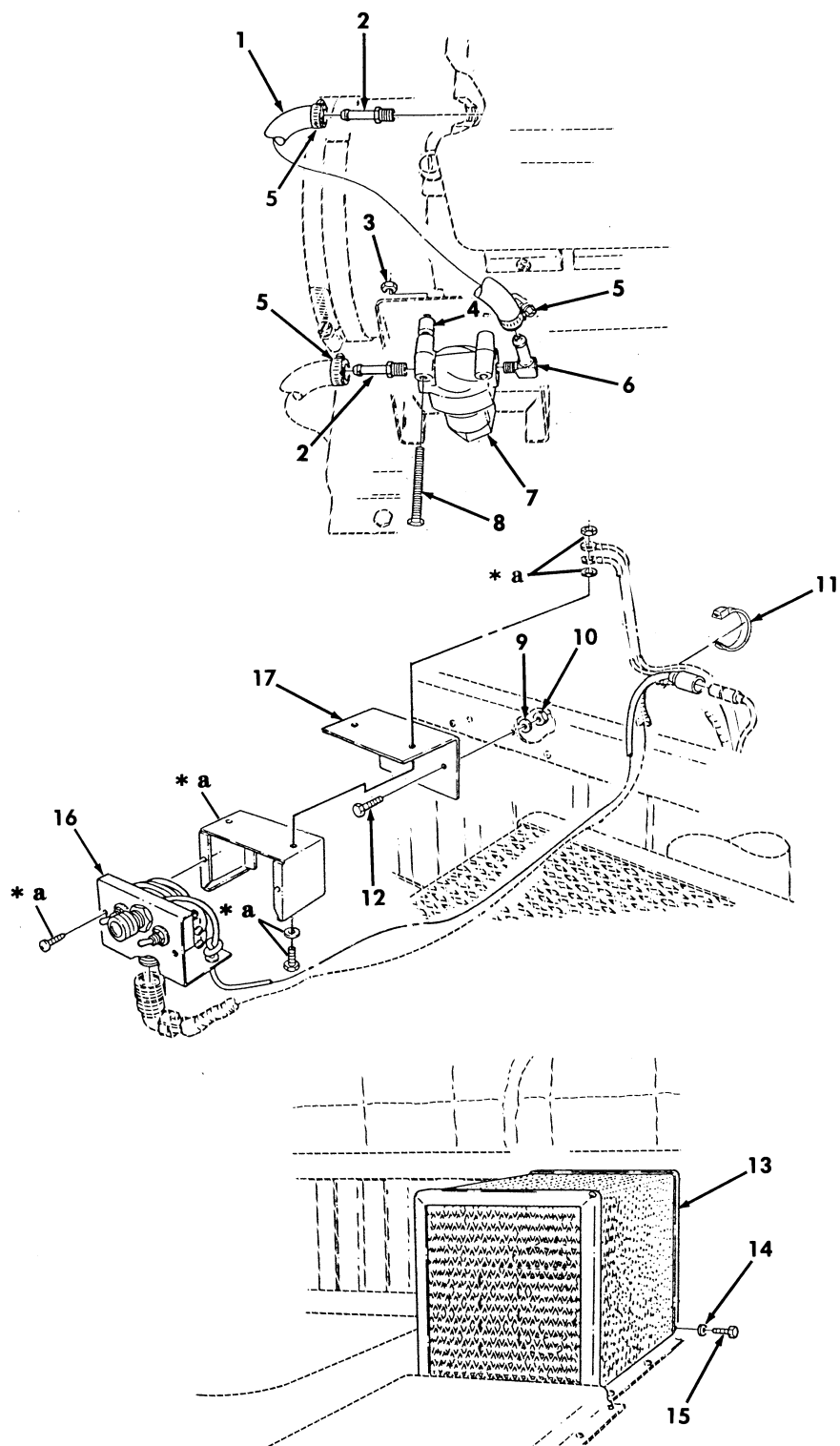


Figure 267R. Winterization Kit, Heater and Exhaust Diverter Assembly.

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	18 18 (7) QTY
SMI9-2320-387-14&P-1						
0267 18						
GROUP 3303 WINTERIZATION KITS						
FIG. 267R WINTERIZATION KIT, HEATER AND EXHAUST DIVERTER ASSEMBLY						
1	PFOZZ	5340014507521	19207	12446982	SLEEVE, COUPLING, CLAMP PART OF KIT P/N 5705611.....	1
					UOC:UUU	
2	PAOZZ	4730009086293	96906	MS35842-15	CLAMP, HOSE PART OF KIT P/N 5705611..	1
					UOC:UUU	
3	PFOZZ	4520013170929	19207	12342256	ELBOW, AIR CONDITIONER PART OF KIT P/N 5705611.....	1
					UOC:UUU	
4	PAOFF	2540011943323	19207	11669898	HEATER, VEHICULAR, CO PART OF KIT P/N 5705611.....	1
					UOC:UUU	
5	PAOZZ	4730009086294	34623	5578947	CLAMP, HOSE PART OF KIT P/N 5705611..	2
					UOC:UUU	
6	PAOZZ	2540013162597	34623	12342213	SHIELD, HEATER DUCT PART OF KIT P/N 5705611.....	1
					UOC:UUU	
7	PAOZZ	5305002678952	80204	B1821BH025F050N	SCREW, CAP, HEXAGON H 1/4-28 X .50, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
8	PAOZZ	5310002092946	12204	120380	WASHER, LOCK 1/4, PART OF KIT P/N 5705611.....	10
					UOC:UUU	
9	PFOZZ	4520013162585	19207	12342191	BASE, PLATE PART OF KIT P/N 5705611..	1
					UOC:UUU	
10	PAOZZ	5330013197302	19207	12356789	GASKET PART OF KIT P/N 5705611.....	1
					UOC:UUU	
11	PAOZZ	5340013208662	19207	11609942	BRACKET, MULTIPLE AN PART OF KIT P/N 5705611.....	1
					UOC:UUU	
12	PAOZZ	5325000149926	96906	MS35493-76	SCREW, WOOD #10 X .75, PART OF KIT P/N 5705611.....	8
					UOC:UUU	
13	PAOZZ	5325011757442	19207	12300715-1	GROMMET, NONMETALLIC PART OF KIT P/N 5705611.....	1
					UOC:UUU	
14	PAOZZ	4710013171044	34623	12342276	TUBE ASSEMBLY, METAL PART OF KIT P/N 5705611.....	1
					UOC:UUU	
15	PAOZZ	5331007700242	19207	7700242	O-RING PART OF KIT P/N 5705611.....	1
					UOC:UUU	
16	PAOZZ	5310007700243	19207	7700243	WASHER, FLAT PART OF KIT P/N 5705611..	1
					UOC:UUU	
17	PAOZZ	5305000680515	80204	B1821BH025F100N	SCREW, CAP, HEXAGON H 1/4-28 X 1.00, PART OF KIT P/N 5705611.....	6
					UOC:UUU	
18	PFOZZ	6150013246355	19207	12342193	CABLE ASSEMBLY, SPEC PART OF KIT P/N 5705611.....	1
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
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* a PART OF ITEM 16

Figure 267S. Winterization Kit, Control Box, Filter, and Cover Assembly.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 19 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267S WINTERIZATION KIT, CONTROL BOX, FILTER, AND COVER ASSEMBLY						
1	MOOZZ		19207	12338553-2	HOSE, NONMETALLIC MAKE FROM HOSE, P/N 12338553, 14 INCHES LONG, PART OF KIT P/N 5705611.....	1
UOC:UUU						
2	PAOZZ	4730013575651	81343	5-2 430160C	ADAPTER, STRAIGHT, PIPE PART OF KIT P/N 5705611.....	2
UOC:UUU						
3	PAOZZ	5310008775797	96906	MS21044N3	NUT, SELF-LOCKING, HEAD #10-32, PART OF KIT P/N 5705611.....	2
UOC:UUU						
4	PAOZZ	5365013182066	19207	8359764	SPACER, SLEEVE PART OF KIT P/N 5705611.....	2
UOC:UUU						
5	PAOZZ	4730002782523	88907	B54-32780	CLAMP, HOSE PART OF KIT P/N 5705611..	3
UOC:UUU						
6	PAOZZ	4730013486231	81343	5-2 430260	ELBOW PART OF KIT P/N 5705611.....	1
UOC:UUU						
7	PAOZZ	2910000253493	96906	MS51085-1	FILTER, FLUID PART OF KIT P/N 5705611	1
UOC:UUU						
8	PAOZZ	5305011204363	54132	9415779	SCREW, CAP, HEXAGON H #10-32 X 2.00 PART OF KIT P/N 5705611.....	2
UOC:UUU						
9	PAOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4, PART OF KIT P/N 5705611.....	2
UOC:UUU						
10	PAOZZ	5310009359022	96906	MS51943-32	NUT, SELF-LOCKING, HEAD 1/4-28, PART OF KIT P/N 5705611.....	2
UOC:UUU						
11	PAOZZ	5975001338687	96906	MS3367-5-0	STRAP, TIEDOWN, ELECTRICAL PART OF KIT P/N 5705611.....	1
UOC:UUU						
12	PAOZZ	5305002678953	80204	B1821BH025F063N	SCREW, CAP, HEXAGON H 1/4-28 X .625 PART OF KIT P/N 5705611.....	2
UOC:UUU						
13	PAOZZ	2540013208918	19207	12342189	SHIELD, HEATER DUCT PART OF KIT P/N 5705611.....	1
UOC:UUU						
14	PAOZZ	5310001941483	96906	MS35333-44	WASHER, LOCK 1/4, PART OF KIT P/N 5705611.....	4
UOC:UUU						
15	PAOZZ	5306000680513	80204	B1821BH025F075N	BOLT, MACHINE 1/4-28 X .75, PART OF KIT P/N 5705611.....	4
UOC:UUU						
16	PAOZZ	2540011256154	19207	11669705	CONTROL BOX PART OF KIT P/N 5705611.	1
UOC:UUU						
17	PFOZZ	5340013172675	19207	12342260	BRACKET, ANGLE PART PF KIT P/N 5705611.....	1
UOC:UUU						

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

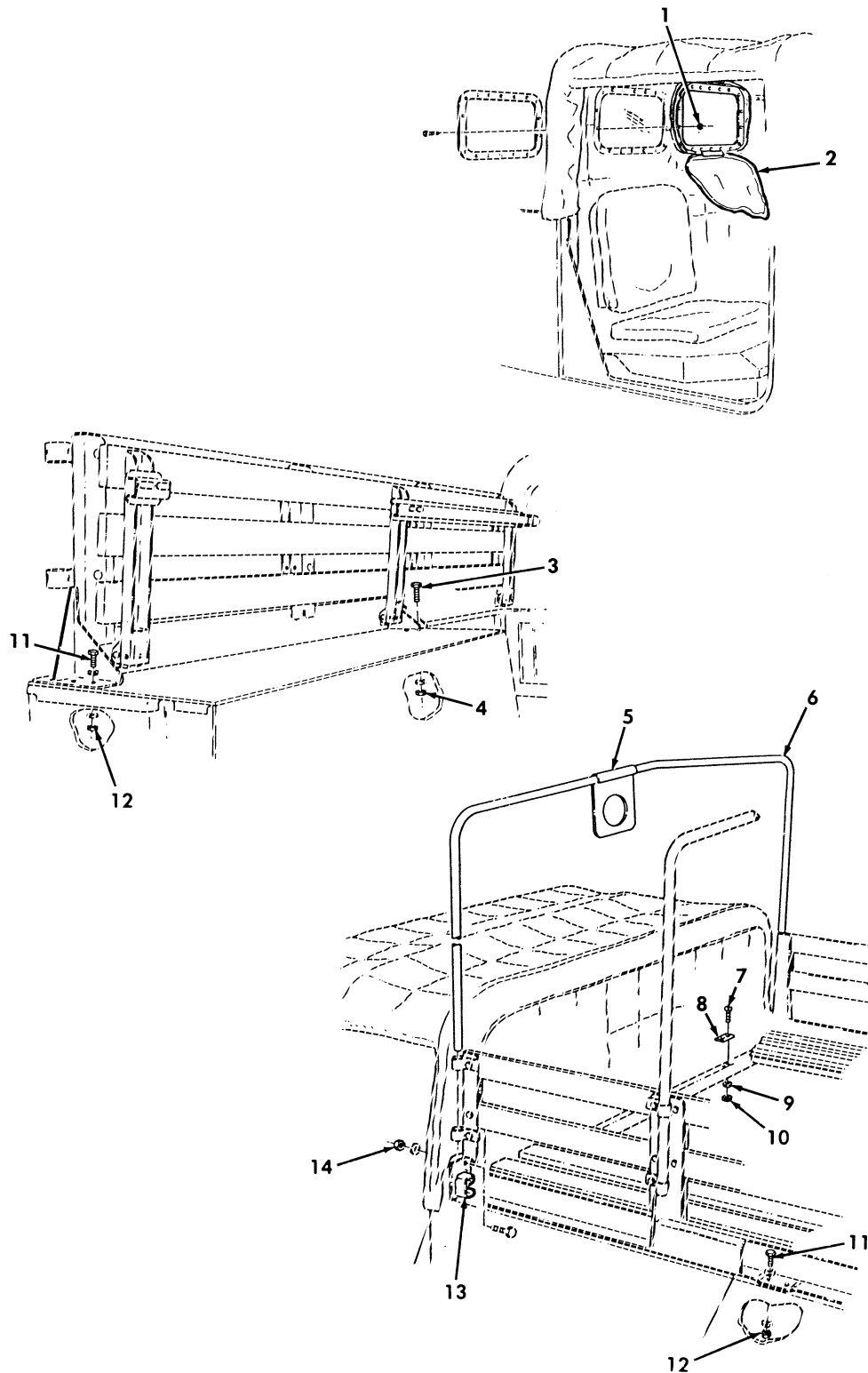


Figure 267T. Seat Support Assemblies and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 20 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267T SEAT SUPPORT ASSEMBLIES AND MOUNTING HARDWARE						
1	PAOZZ	5310009416019	96906	MS21083N08	NUT, SELF-LOCKING, HEAD #10-24 PART OF KIT P/N 5705611.....	36
					UOC:UUU	
2	PAOZZ	2540001042889	19207	11609693-1	CURTAIN, VEHICULAR, B PART OF KIT P/N 5705611.....	2
					UOC:UUU	
3	PFOZZ	5305000712056	80204	B1821BH044C175N	SCREW, CAP, HEXAGON H 7/16-14 X 1.75 PART OF KIT P/N 5705611.....	4
					UOC:UUU	
4	PAOZZ	5310013185237	24617	9419456	NUT, SELF-LOCKING, HEAD 7/16-14, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
5	PFOZZ	5340013177501	19207	12342266	BRACKET, MOUNTING PART OF KIT P/N 5705611.....	1
					UOC:UUU	
6	PFOZZ	2540011996760	34623	5581331	BOW, VEHICULAR TOP PART OF KIT P/N 5705611.....	3
					UOC:UUU	
7	PFOZZ	5305009932457	96906	MS35207-284	SCREW, MACHINE 1/4-28 X 1.25, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
8	PAOZZ	2510013160216	19207	12342166	BLOCK, PLYWOOD PART OF KIT P/N 5705611.....	2
					UOC:UUU	
9	PFOZZ	5310008094058	96906	MS27183-10	WASHER, FLAT 1/4, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
10	PAOZZ	5310004838791	96906	MS17829-4F	NUT, SELF-LOCKING, HEAD 1/4-28, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
11	PAOZZ	5305000712509	80204	B1821BH025C150N	SCREW, CAP, HEXAGON H 1/4-20 X 1.50 PART OF KIT P/N 5705611.....	18
					UOC:UUU	
12	PAOZZ	5310010666759	72962	21NE-040	NUT, SELF-LOCKING, HEAD 1/4-20, PART OF KIT P/N 5705611.....	18
					UOC:UUU	
13	PAOZZ	2590013170534	34623	12342175	BRACKET, VEHICULAR C R.H., PART OF KIT P/N 5705611.....	1
					UOC:UUU	
13	PAOZZ	2590013170535	34623	12342264	BRACKET, VEHICULAR C L.H., PART OF KIT P/N 5705611.....	1
					UOC:UUU	
14	PAOZZ	5310002416658	96906	MS51943-34	NUT, SELF-LOCKING, HEAD 5/16-24, PART OF KIT P/N 5705611.....	6
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

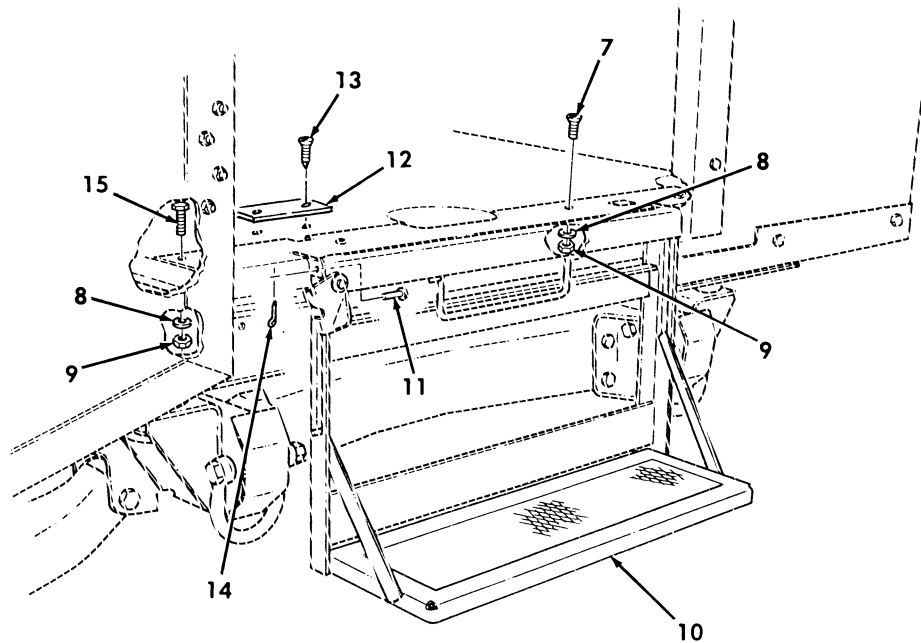
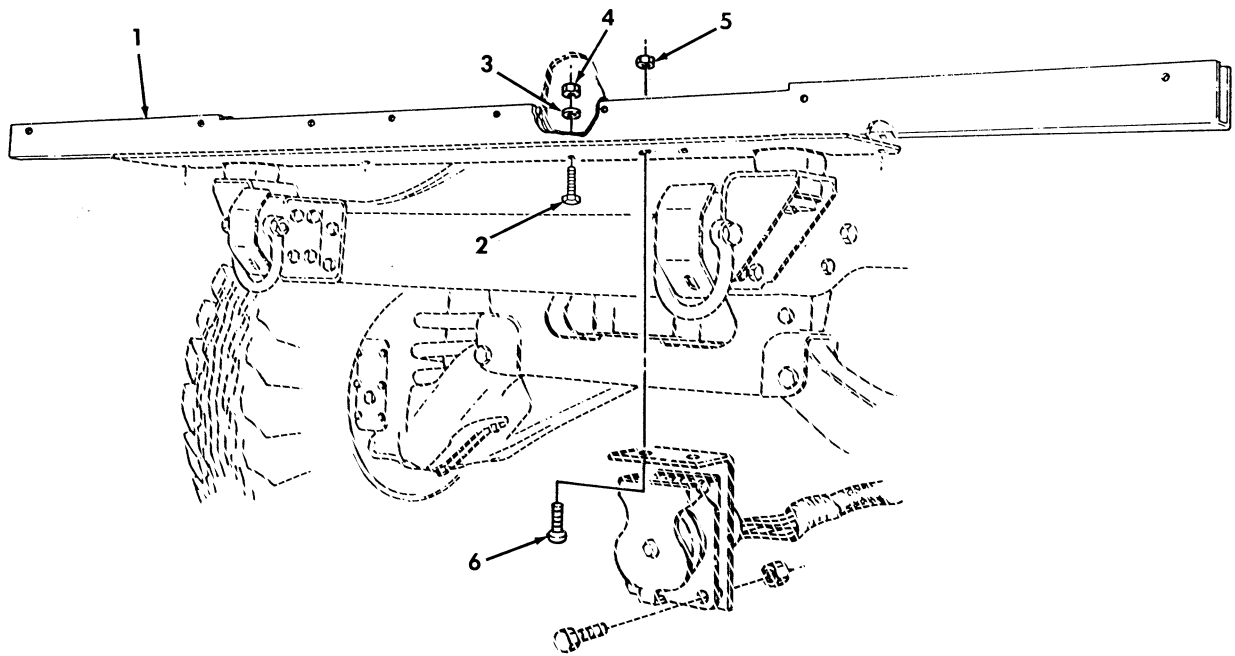


Figure 267U. Step Assembly, Support Assembly, and Mounting Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 21 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267U STEP ASSEMBLY, SUPPORT ASSEMBLY, AND MOUNTING HARDWARE						
1	PFOZZ	2540013170820	34623	12342332	SUPPORT ASSEMBLY, BO PART OF KIT P/N 5705611..... UOC:UUU	1
2	PAOZZ	5305007195221	80204	B1821BH050F150N	SCREW, CAP, HEXAGON H 1/2-20 X 1.50, PART OF KIT P/N 5705611..... UOC:UUU	4
3	PAOZZ	5310008095998	96906	MS27183-18	WASHER, FLAT 1/2 PART OF KIT P/N 5705611..... UOC:UUU	4
4	PAOZZ	5310007749073	72582	190171	NUT, SELF-LOCKING, CA 1/2-20 PART OF KIT P/N 5705611..... UOC:UUU	4
5	PAOZZ	5310008140673	96906	MS51943-33	NUT, SELF-LOCKING, HEAD 5/16-18 PART OF KIT P/N 5705611..... UOC:UUU	2
6	PAOZZ	5306002264829	80204	B1821BH031C125N	BOLT, MACHINE 5/16-18 X 1.25 PART OF KIT P/N 5705611..... UOC:UUU	2
7	PAOZZ	5305009017250	96906	MS24693-S350	SCREW, MACHINE 3/8-24 X 1.25, PART OF KIT P/N 5705611..... UOC:UUU	2
8	PAOZZ	5310001670821	61465	M2025103	WASHER, FLAT 3/8, PART OF KIT P/N 5705611..... UOC:UUU	4
9	PAOZZ	5310010583353	72582	192481	NUT, SELF-LOCKING, HEAD 3/8-24, PART OF KIT P/N 5705611..... UOC:UUU	4
10	PAOZZ	2540013171024	34623	12342301	LADDER, VEHICLE REAR PART OF KIT P/N 5705611..... UOC:UUU	1
11	PAOZZ	5315008903461	96906	MS20392-6C17	PIN, STRAIGHT, HEADER 7/16 X .531, PART OF KIT P/N 5705611..... UOC:UUU	2
12	PAOZZ	5340013942409	19207	12342903	PLATE, MOUNTING PART OF KIT P/N 5705611..... UOC:UUU	1
13	PAOZZ	5305009026643	96906	MS35492-76	SCREW, WOOD #10 X .75, PART OF KIT P/N 5705611..... UOC:UUU	2
14	PAOZZ	5315008423044	96906	MS24665-283	PIN, COTTER 1/16, PART OF KIT P/N 5705611..... UOC:UUU	2
15	PAOZZ	5305002693242	80204	B1821BH038F200N	SCREW, CAP, HEXAGON H 3/8-24 X 2.00, PART OF KIT P/N 5705611..... UOC:UUU	2

END OF FIGURE

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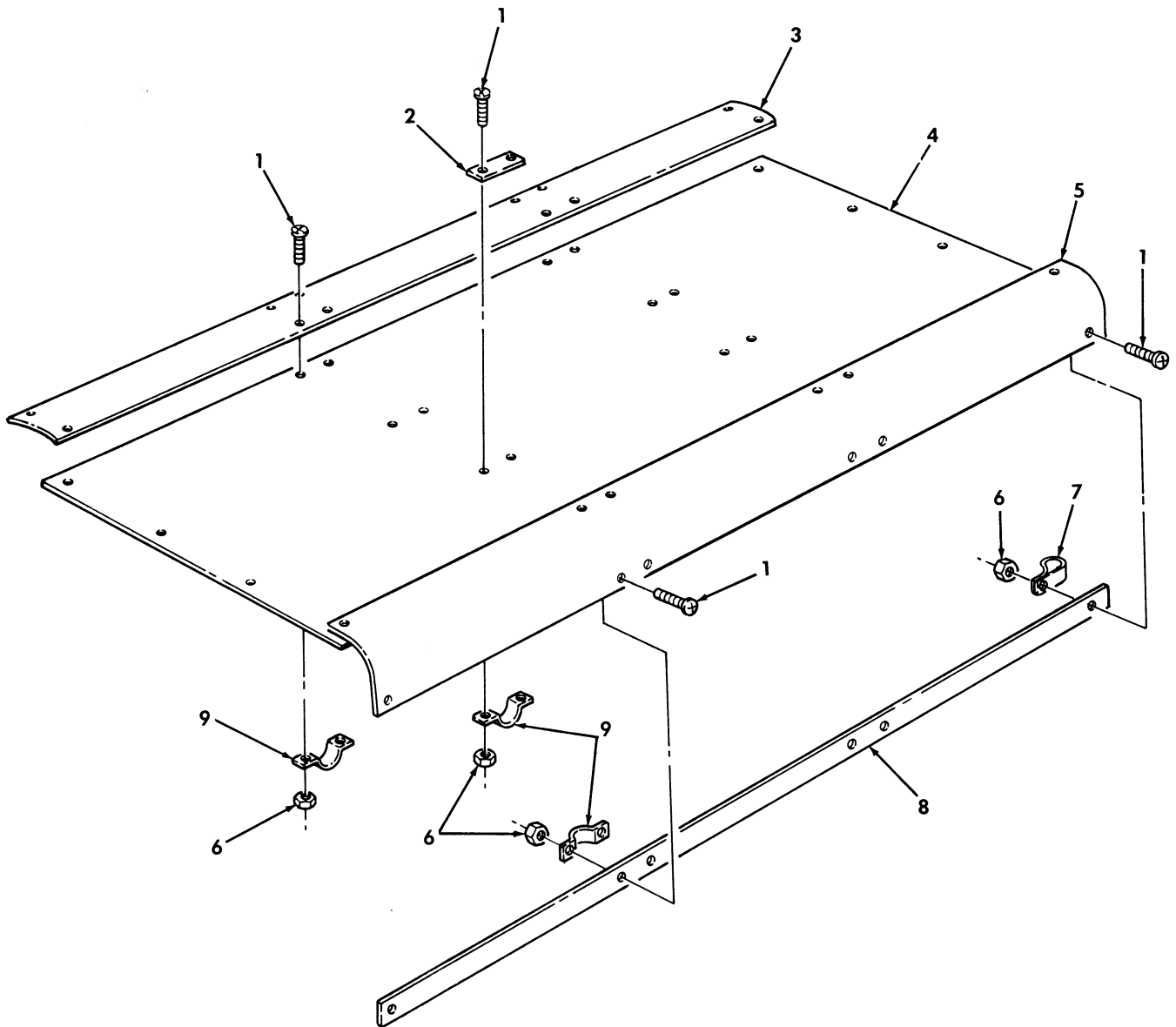


Figure 267V. Top Plate Support and Attaching Hardware.

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 22 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267V TOP PLATE SUPPORT AND ATTACHING HARDWARE						
1	PAOZZ	5305009932460	96906	MS35207-282	SCREW, MACHINE 1/4-28 X .875 PART OF KIT P/N 5705611.....	50
					UOC:UUU	
2	PAOZZ	5340013182040	19207	12342218	PLATE, MENDING PART OF KIT P/N 5705611.....	8
					UOC:UUU	
3	KFFZZ		19207	12342226	PLATE, SEAM PART OF KIT P/N 5705611..	1
					UOC:UUU	
4	KFFZZ		19207	12342220-1	SUPPORT PART OF KIT P/N 5705611.....	1
					UOC:UUU	
5	KFFZZ		19207	12342221	SUPPORT PART OF KIT P/N 5705611.....	1
					UOC:UUU	
6	PAOZZ	5310013174022	24617	9413553	NUT, PLAIN, EXTENDED 1/4-28 PART OF KIT P/N 5705611.....	50
					UOC:UUU	
7	PAOZZ	5340013179086	19207	12342234	CLAMP, LOOP PART OF KIT P/N 5705611..	10
					UOC:UUU	
8	KFFZZ		19207	12342220-2	SUPPORT PART OF KIT P/N 5705611.....	1
					UOC:UUU	
9	PAOZZ	5340013199426	19207	12342235	STRAP, RETAINING, PART OF KIT P/N 5705611.....	20
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
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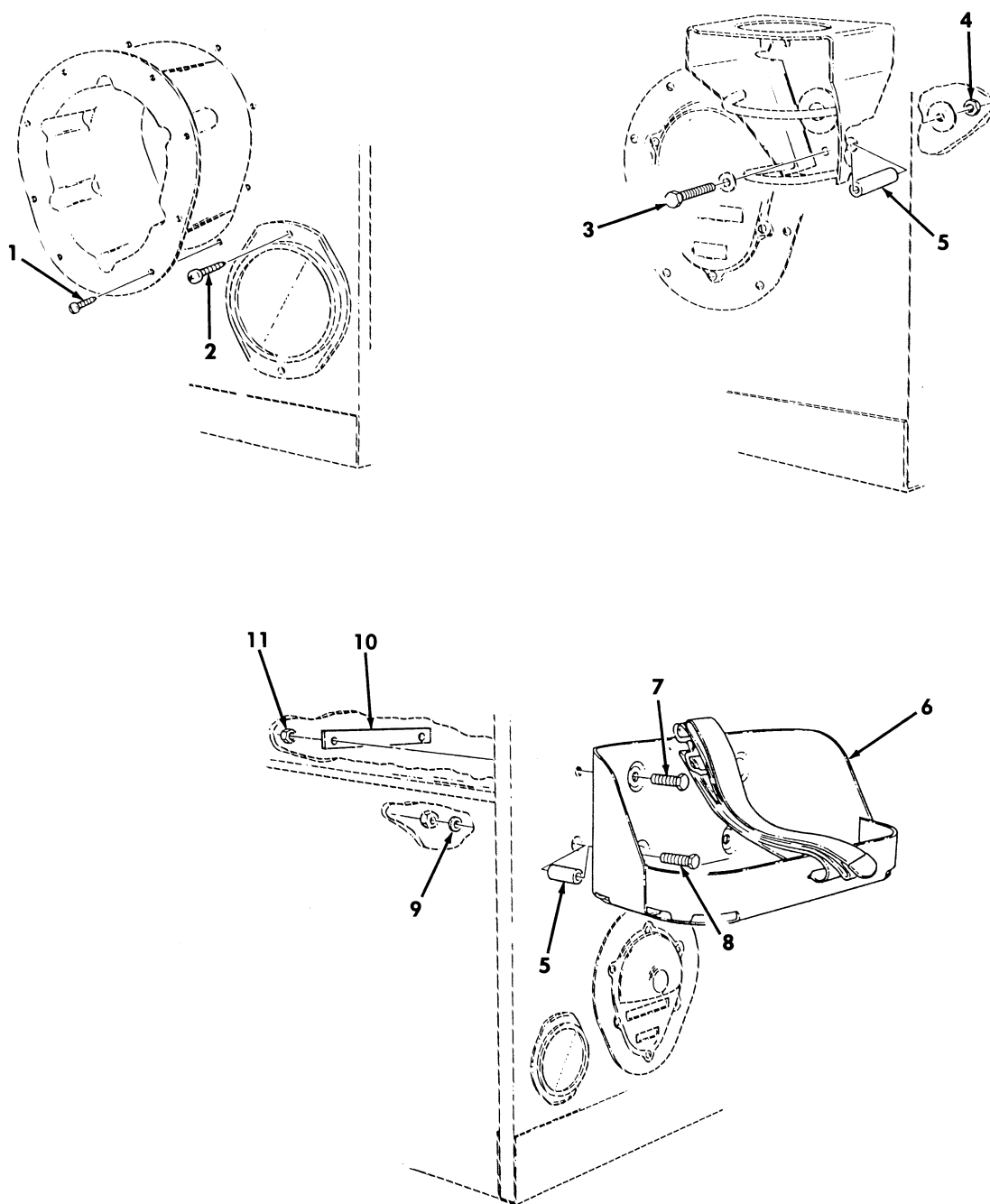


*Figure 267W. Fuel Can Bracket, Antenna Mounting Bracket,
and Composite Light Housing Mounting Hardware.*

(1) ITEM NO	(2) SMR CODE	(3) NSN	SMI9-2320-387-14&P-1 (4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	0267 23 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267W FUEL CAN BRACKET, ANTENNA MOUNTING BRACKET, AND COMPOSITE LIGHT HOUSING MOUNTING HARDWARE						
1	PAOZZ	5305000149926	96906	MS35493-76	SCREW, WOOD #10 X .875, PART OF KIT 5705611.....	16
					UOC:UUU	
2	PAOZZ	5305013159512	96906	MS35495-124	SCREW, WOOD #14 X .75, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
3	PAOZZ	5306002259097	96906	MS90726-42	BOLT, MACHINE 5/16-24 X 2.50, PART OF KIT P/N 5705611.....	3
					UOC:UUU	
4	PAOZZ	5310000880553	24617	190139	NUT, SELF-LOCKING, HEAD 5/16-24, PART OF KIT P/N 5705611.....	3
					UOC:UUU	
5	PAOZZ	5365013168985	19207	12342237	SPACER, SLEEVE PART OF KIT P/N 5705611.....	5
					UOC:UUU	
6	PAOZZ	2590004736331	07860	C21452	BRACKET ASSEMBLY, LI PART OF KIT P/N 5705611.....	1
					UOC:UUU	
7	PAOZZ	5305009146131	96906	MS18153-63	SCREW, CAP, HEXAGON H 3/8-24 X 1.75, PART OF KIT P/N 5705611.....	2
					UOC:UUU	
8	PAOZZ	5305002692811	96906	MS90726-67	SCREW, CAP, HEXAGON H 3/8-24 X 2.50, PART OF KIT P/N 5705611.....	2
					UOC:UUU	
9	PAOZZ	5310000806004	96906	MS27183-14	WASHER, FLAT 3/8, PART OF KIT P/N 5705611.....	2
					UOC:UUU	
10	PAOZZ	5340013182041	19207	12342219	PLATE, MENDING PART OF KIT P/N 5705611.....	1
					UOC:UUU	
11	PAOZZ	5310010583353	72582	192481	NUT, SELF-LOCKING, HEAD 3/8-24, PART OF KIT P/N 5705611.....	4
					UOC:UUU	

END OF FIGURE

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
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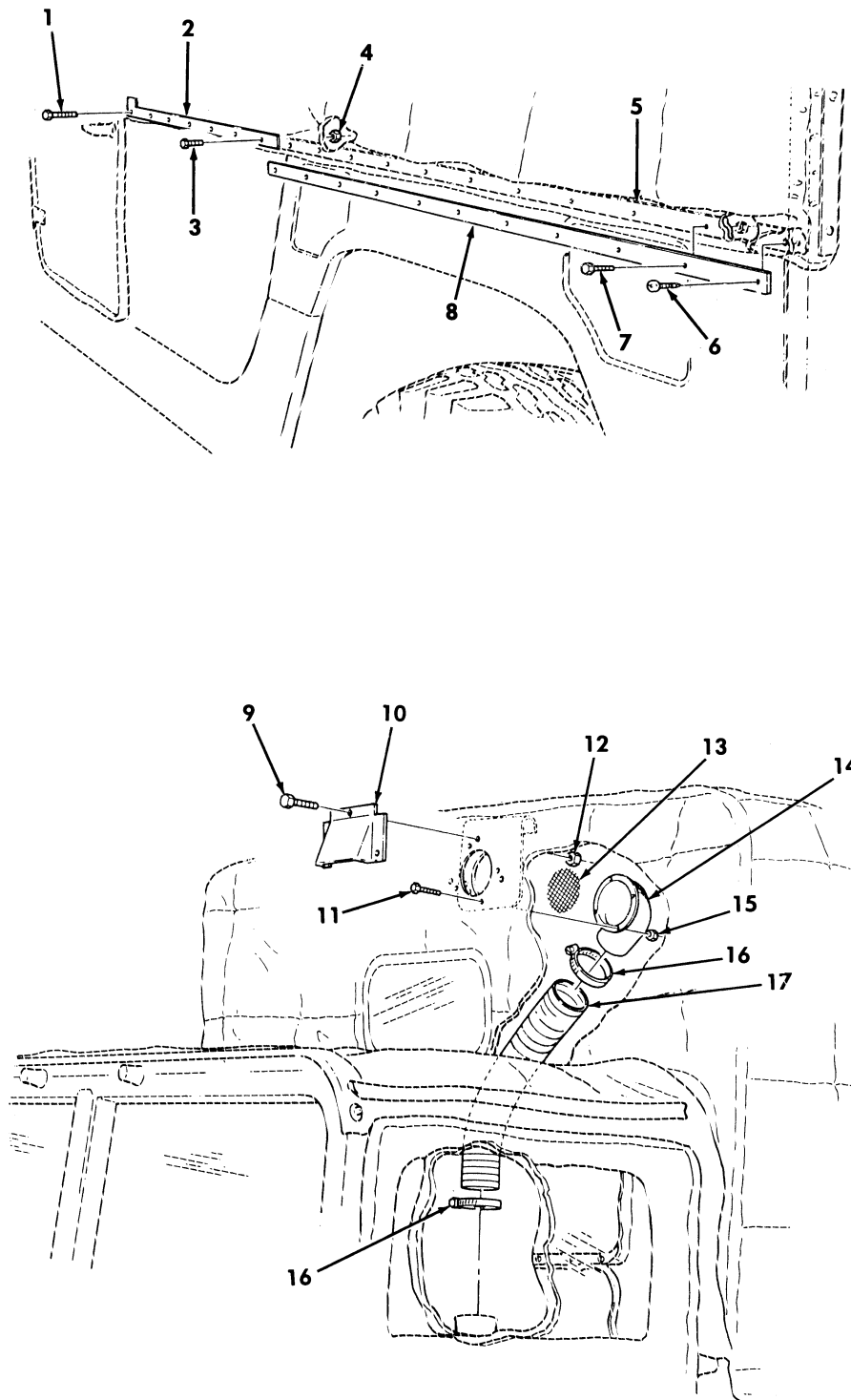


Figure 267X. Mounting Plates and Ventilator Exhaust Ducting.

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	267 24 (7) QTY
GROUP 3303 WINTERIZATION KITS						
FIG. 267X MOUNTING PLATES AND VENTILATOR EXHAUST DUCTING						
1	PAOZZ	5305000712237	96906	MS90725-14	SCREW, CAP, HEXAGON H 1/4-20 X 2.00, PART OF KIT P/N 5705611.....	1
					UOC:UUU	
2	PAOZZ	5340013202060	19207	12342201	PLATE, MOUNTING PART OF KIT P/N 5705611.....	1
					UOC:UUU	
3	PAOZZ	5305000712056	80204	B1821BH044C175N	SCREW, CAP, HEXAGON H 1/4-20 X 1.75, PART OF KIT P/N 5705611.....	6
					UOC:UUU	
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5	PAOZZ	5330013175392	19207	12342248	RUBBER, STRIP PART OF KIT P/N 5705611	1
					UOC:UUU	
6	PAOZZ	5305013170409	96906	MS35495-127	SCREW, WOOD #14 X 1.25, PART OF KIT P/N 5705611.....	1
					UOC:UUU	
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					UOC:UUU	
8	PAOZZ	2590013174854	19207	12342173	MOLDING, METAL PART OF KIT P/N 5705611.....	1
					UOC:UUU	
9	PAOZZ	5305000680515	80204	B1821BH025F100N	SCREW, CAP, HEXAGON H 1/4-28 X 1.00, PART OF KIT P/N 5705611.....	3
					UOC:UUU	
10	PFOZZ	2540013162588	34623	7390378	VENT, AIR, CIRCULATION PART OF KIT P/N 5705611.....	1
					UOC:UUU	
11	PAOZZ	5305009896265	96906	MS35207-262	SCREW, MACHINE #10-32 X .375, PART OF KIT P/N 5705611.....	4
					UOC:UUU	
12	PAOZZ	5310009359022	96906	MS51943-32	NUT, SELF-LOCKING, HEAD 1/4-28, PART OF KIT P/N 5705611.....	3
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Installation	11-49.6	11-98.8
Removal.	11-49.6	11-98.8
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Installation	25-6.1	25-14.8
Removal.	25-6.1	25-14.2
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Removal.	10-26.1	10-48.2
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Appendix H		H-1

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HEADQUARTERS

U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND

WARREN, MICHIGAN 48397-5000

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ITEM NO.	PAGE NO.	PARA-GRAPH	LINE NO.*	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON (Provide exact wording of recommended changes, if possible).
1	3-142.2	3-81				Example illustration of use of pulley alignment tool does not accurately show alignment of pulleys.
2	5-27	5-11				The ring gear and torque converter, as illustrated, do not resemble the actual parts.
SAMPLE						
*Reference to line numbers within the paragraph or subparagraph.						
TYPED NAME, GRADE, OR TITLE Pat Smith, ILT				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION AV272-4162		SIGNATURE Pat Smith, ILT

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PUBLICATION/FORM NUMBER					DATE		TITLE		
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SAMPLE									
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THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters =
0.3937 Inches
1 Meter = 100 Centimeters = 1,000 Millimeters =
39.37 Inches
1 Kilometer = 1,000 Meters = 0.621 Miles

SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches
1 Sq Meter = 10,000 Sq Centimeters = 10.76 Sq Feet
1 Sq Kilometer = 1,000,000 Sq Meters = 0.386 Sq Miles

CUBIC MEASURE

1 Cu Centimeter = 1,000 Cu Millimeters = 0.06 Cu Inches
1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
1 Liter = 1,000 Milliliters = 33.82 Fluid Ounces

TEMPERATURE

Degrees Fahrenheit (F) = $^{\circ}\text{C} \cdot 9 \div 5 + 32$
Degrees Celsius (C) = $\text{F}^{\circ} - 32 \cdot 5 \div 9$
212° Fahrenheit is equivalent to 100° Celsius
90° Fahrenheit is equivalent to 32.2° Celsius
32° Fahrenheit is equivalent to 0° Celsius

WEIGHTS

1 Gram = 0.001 Kilograms = 1,000 Milligrams =
0.035 Ounces
1 Kilogram = 1,000 Grams = 2.2 Lb
1 Metric Ton = 1,000 Kilograms = 1 Megagram = 1.1 Short Tons

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Millimeters	25.4
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.4536
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds Per Square Inch	Kilopascals	6.895
Miles Per Gallon	Kilometers Per Liter	0.425
Miles Per Hour	Kilometers Per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Millimeters	Inches	0.03937
Centimeters	Inches	0.3937
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.2046
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds Per Square Inch	0.145
Kilometers Per Liter	Miles Per Gallon	2.354
Kilometers Per Hour	Miles Per Hour	0.621

