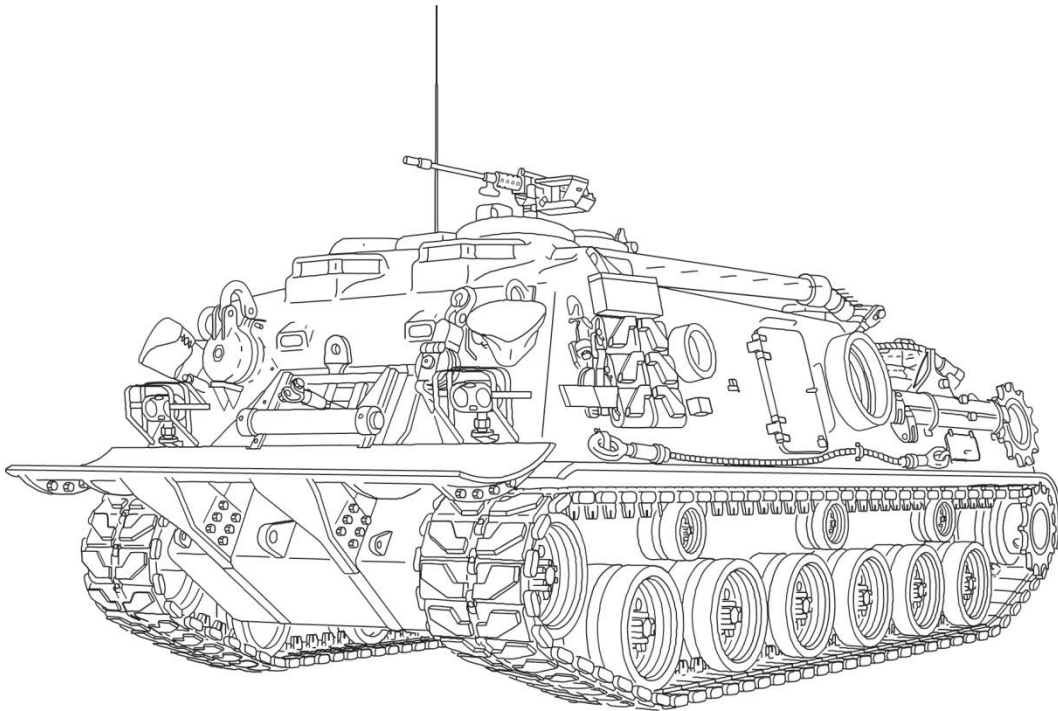


TB 9-2350-256-23

TECHNICAL BULLETIN
FIELD MAINTENANCE SCHEMATICS
FOR
RECOVERY VEHICLE, FULL-TRACKED: MEDIUM M88A1
NSN 2350-00-122-6826 (EIC AQA)



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30 MAY 2014

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WASHINGTON, D.C., 30 MAY 2014

**TECHNICAL BULLETIN
FIELD MAINTENANCE SCHEMATICS
FOR**

**RECOVERY VEHICLE, FULL-TRACKED: MEDIUM M88A1
NSN 2350-00-122-6826 (EIC AQA)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

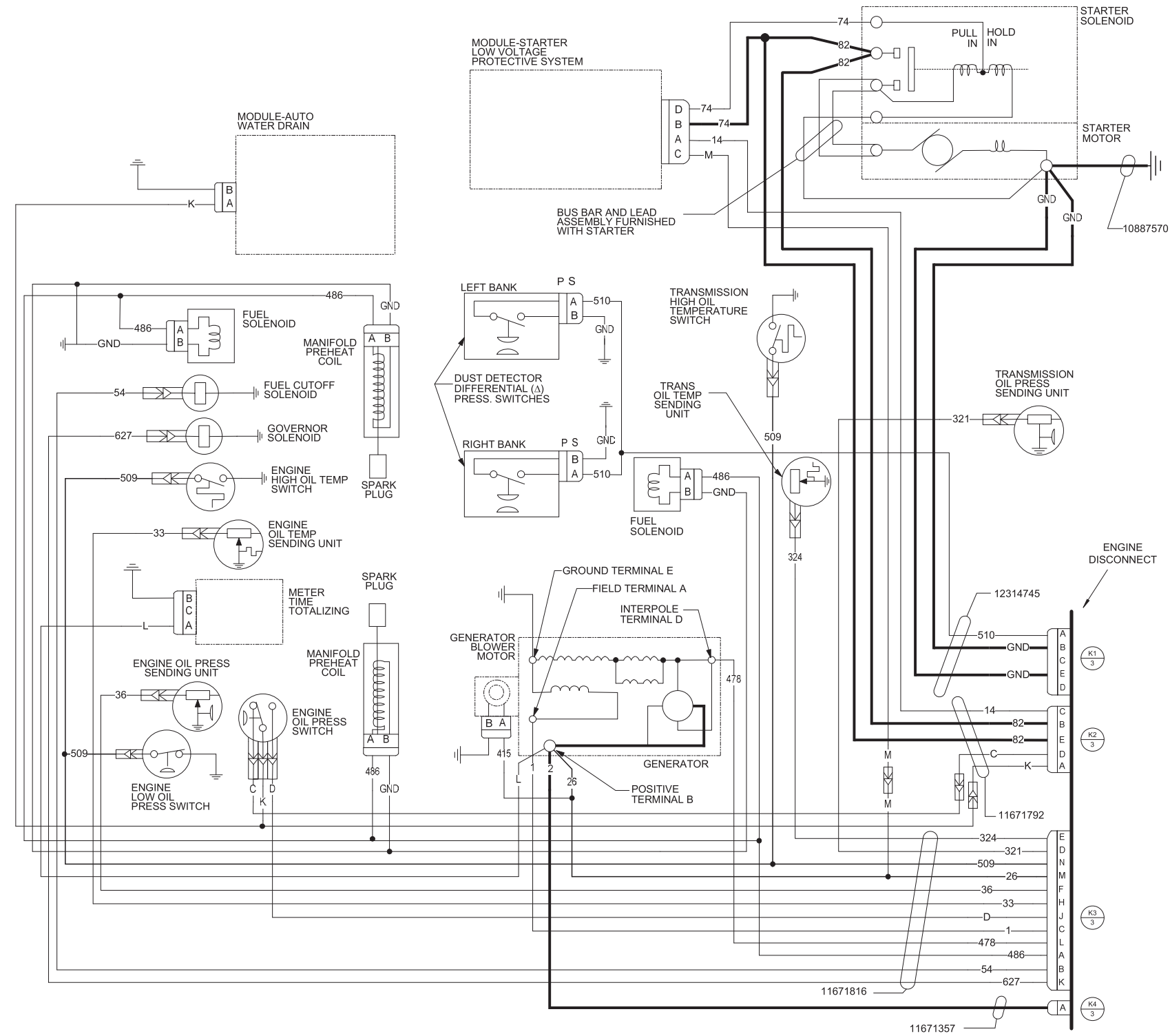
You can help improve this publication. If you find any errors, or if you would like to recommend any improvements to the procedures in this publication, please let us know.

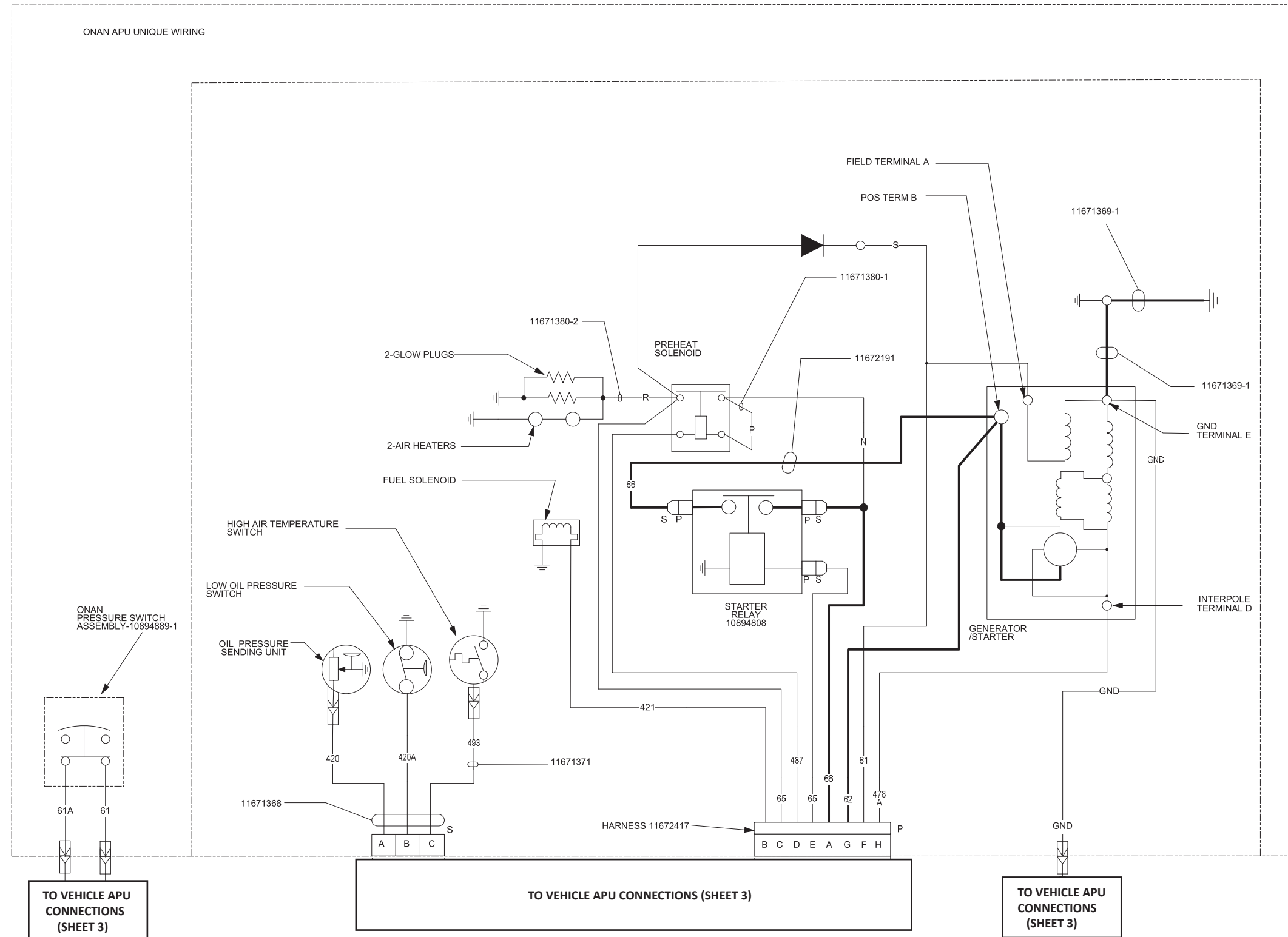
The preferred method is to submit your DA Form 2028 (Recommended Changes to Publications and Blank Forms) through the Internet on the TACOM Unique Logistics Support Applications (TULSA) Web site. The Internet address is <https://tulsa.tacom.army.mil>. Access to all applications requires CAC authentication, and you must complete the Access Request form the first time you use it. The DA Form 2028 is located under the TULSA Applications on the left-hand navigation bar. Fill out the form and click on SUBMIT. Using this form on the TULSA Web site will enable us to respond more quickly to your comments and to better manage the DA Form 2028 program. You may also mail, e-mail, or fax your comments or DA Form 2028 directly to the U.S. Army TACOM Life Cycle Management Command. The postal mail address is U.S. Army TACOM Life Cycle Management Command, ATTN: AMSTA-LCL-MPP / TECH PUBS, MS 727, 6501 E. 11 Mile Road, Warren, MI 48397-5000. The e-mail address is tacomlcmc.daform2028@us.army.mil. The fax number is DSN 786-1856 or Commercial (586) 282-1856. A reply will be furnished to you

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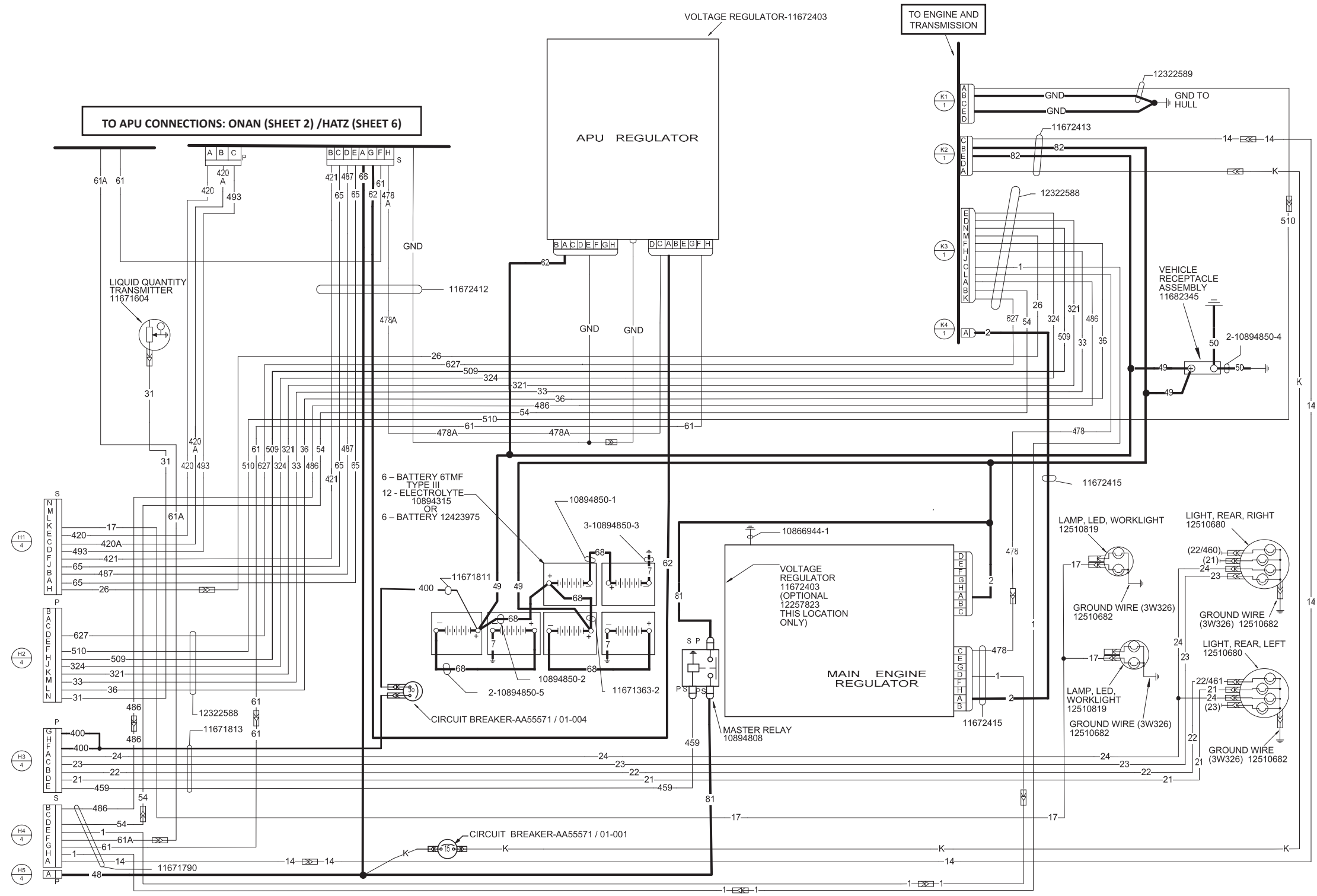
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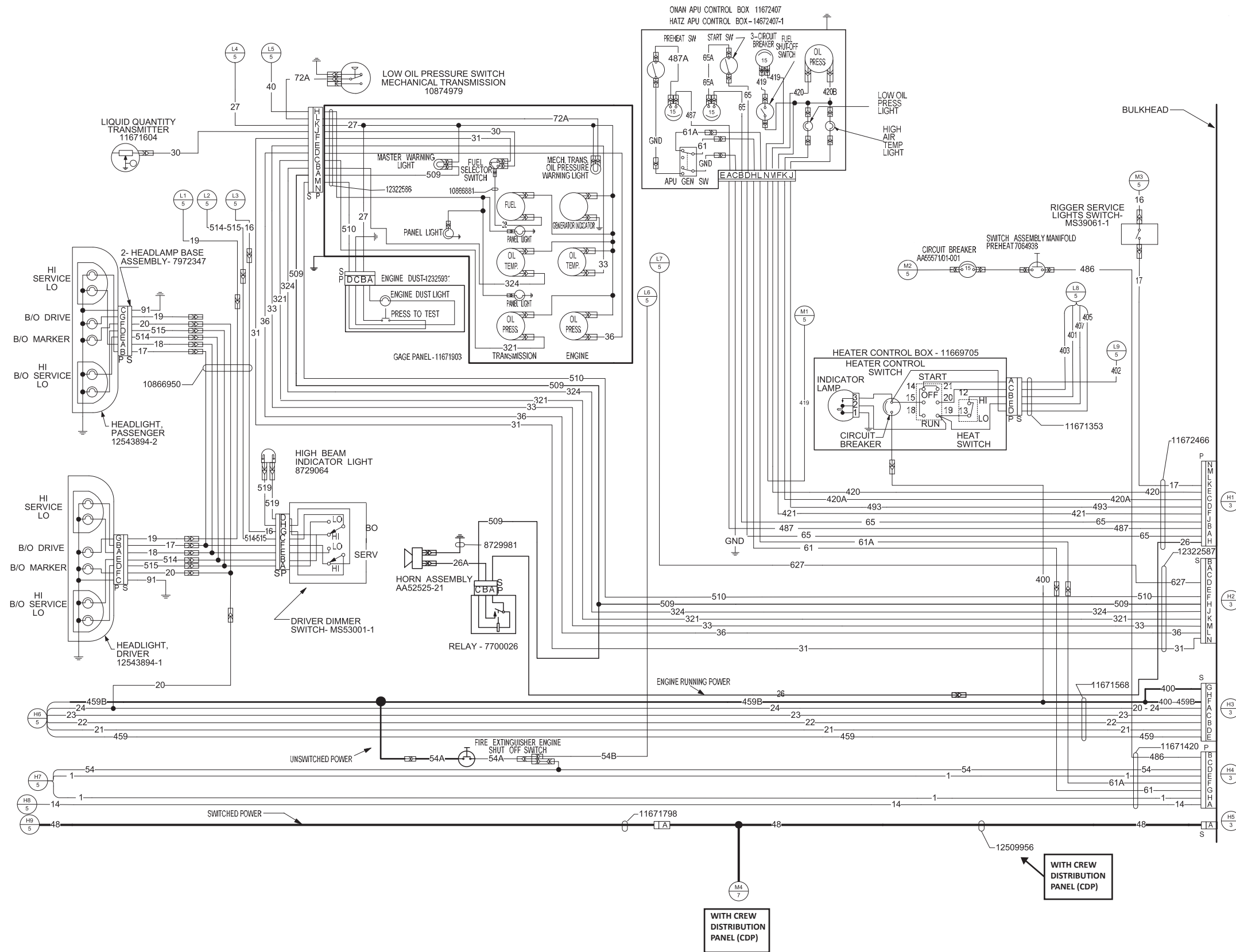




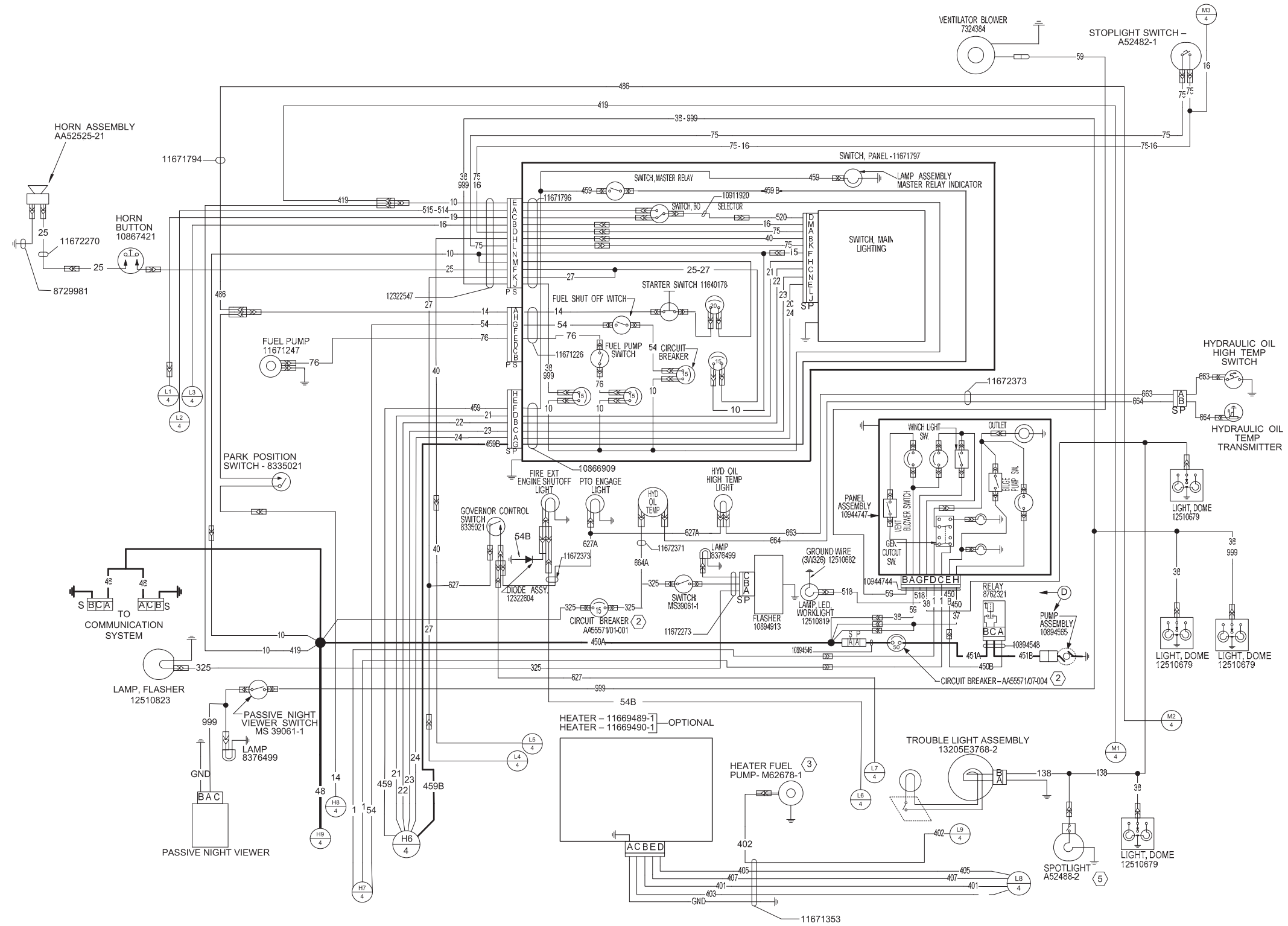
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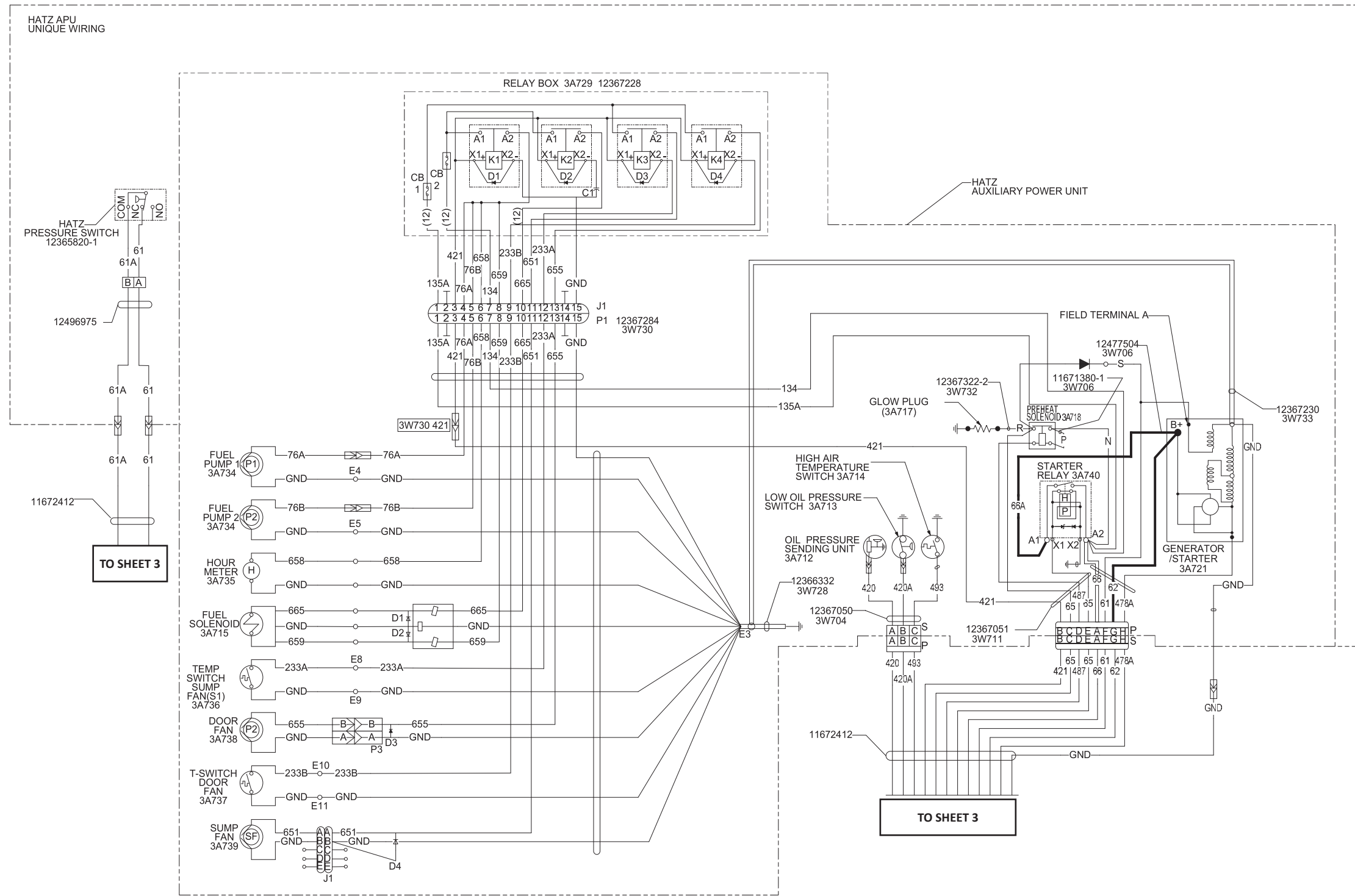
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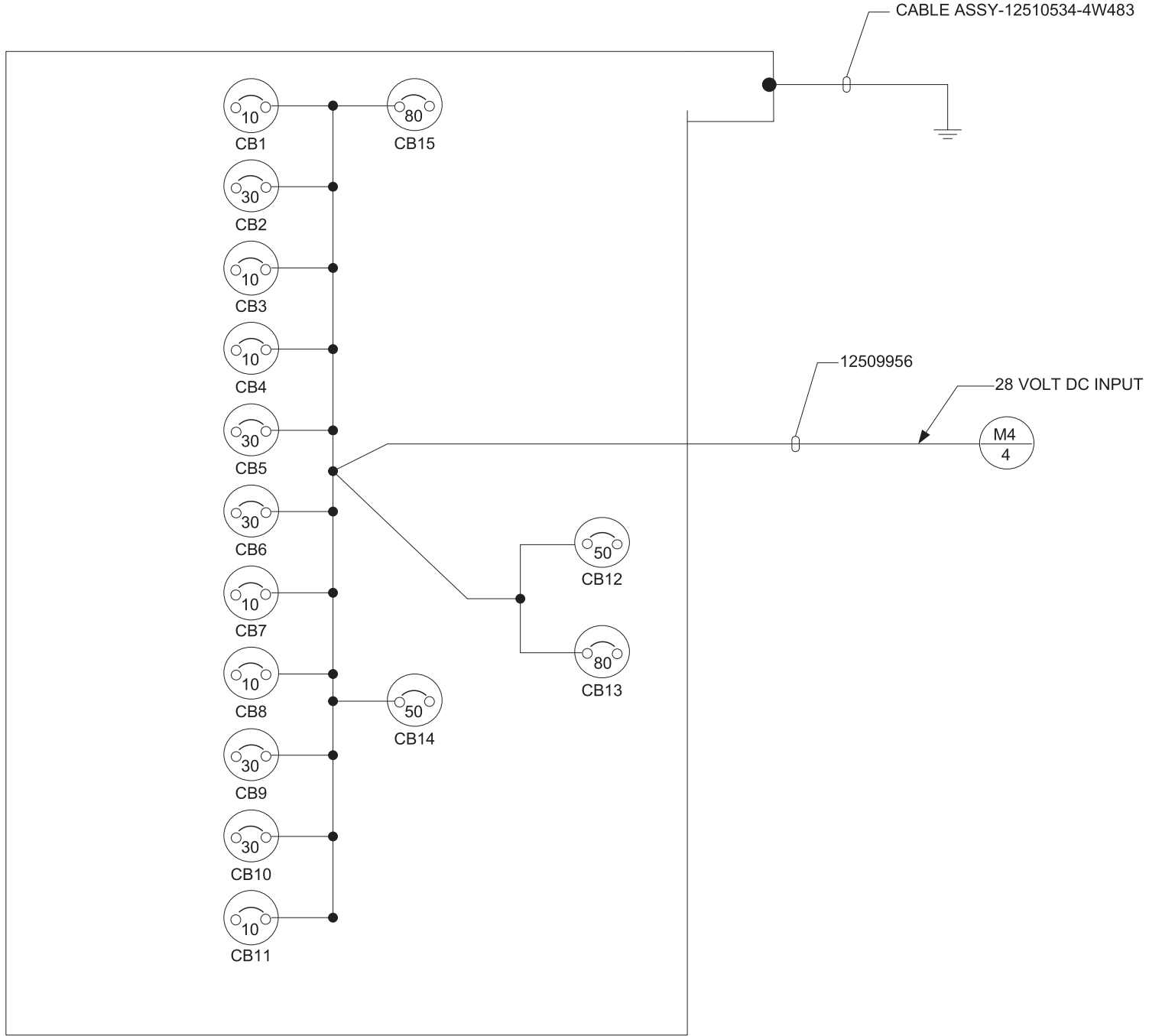
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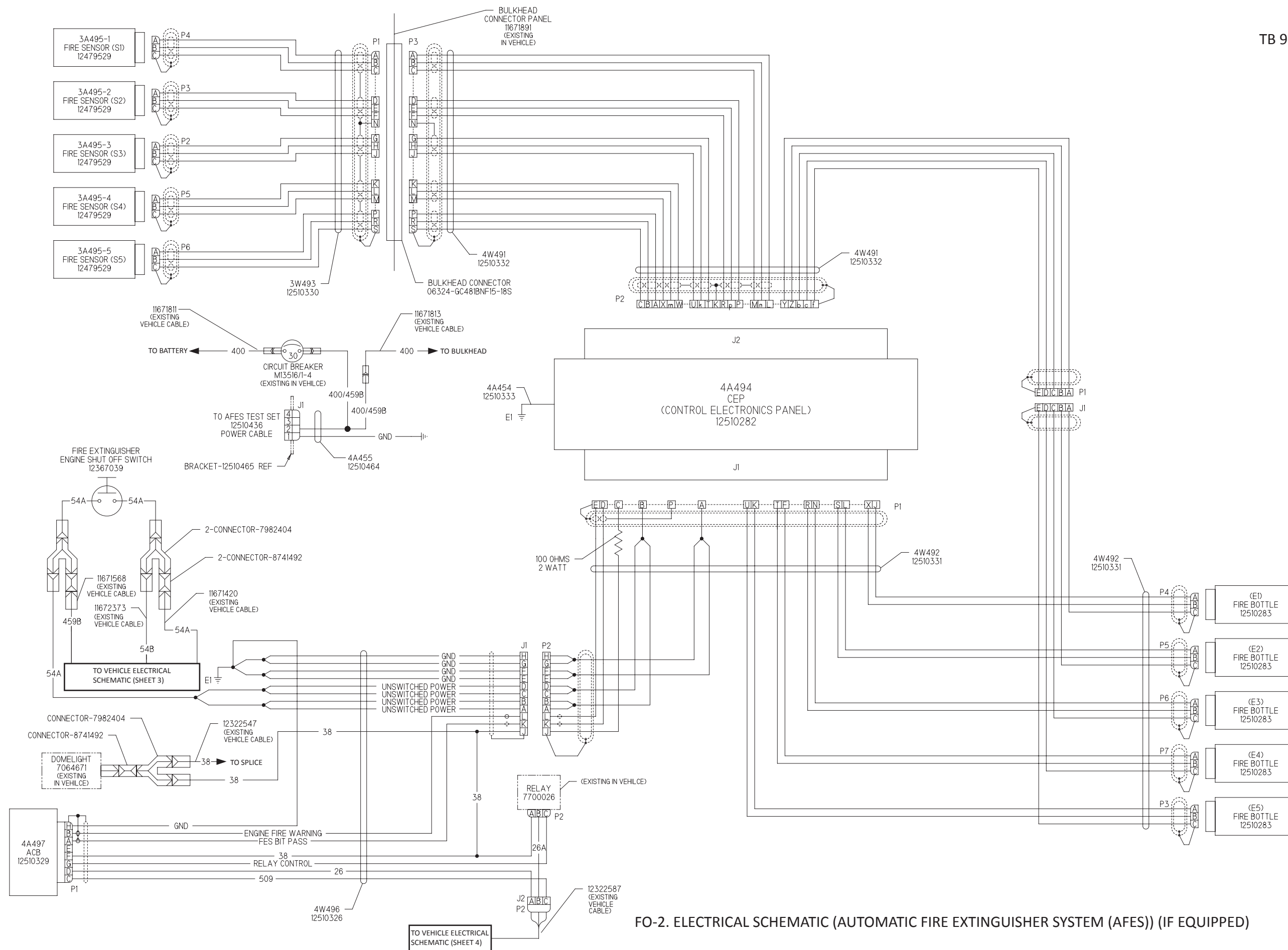
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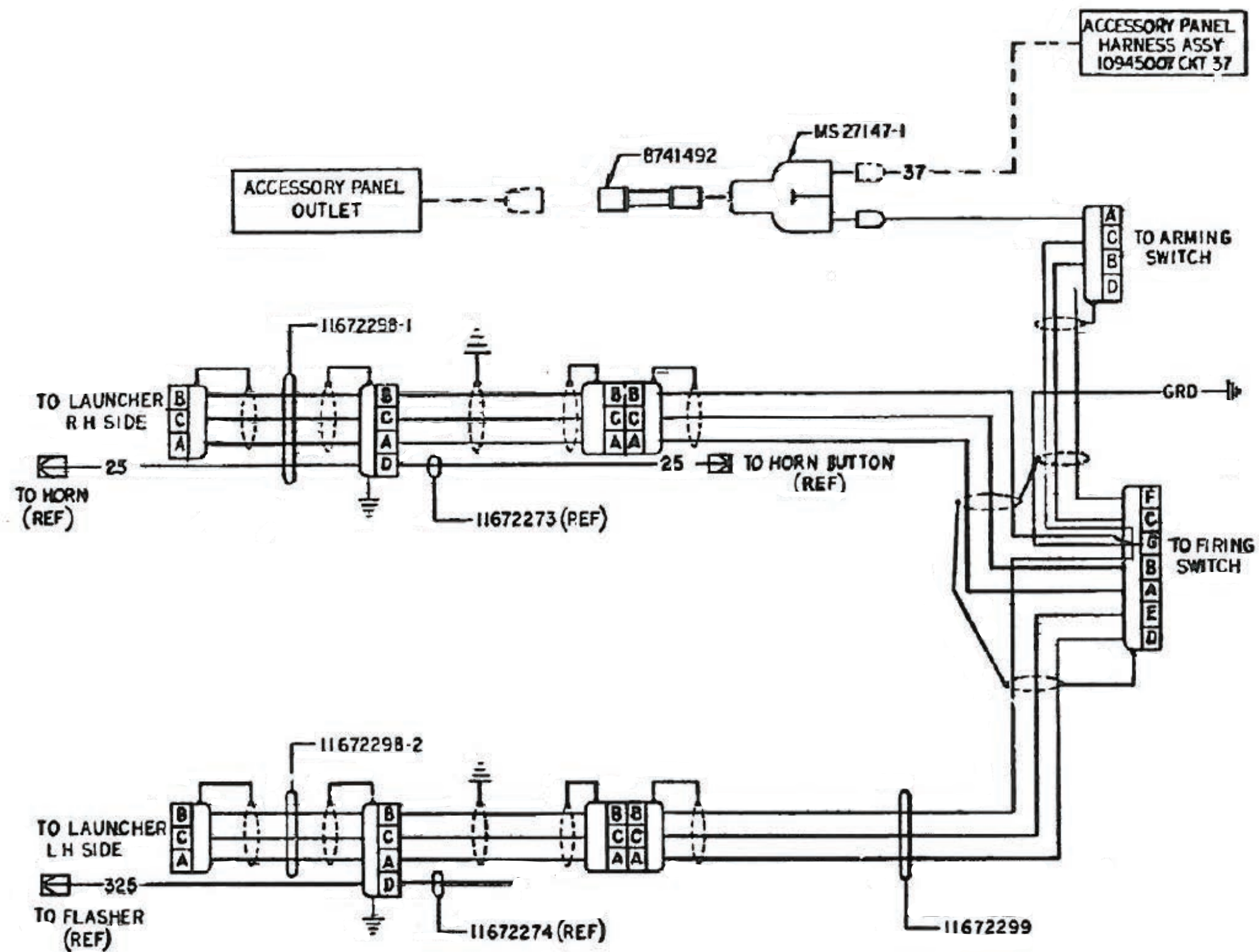
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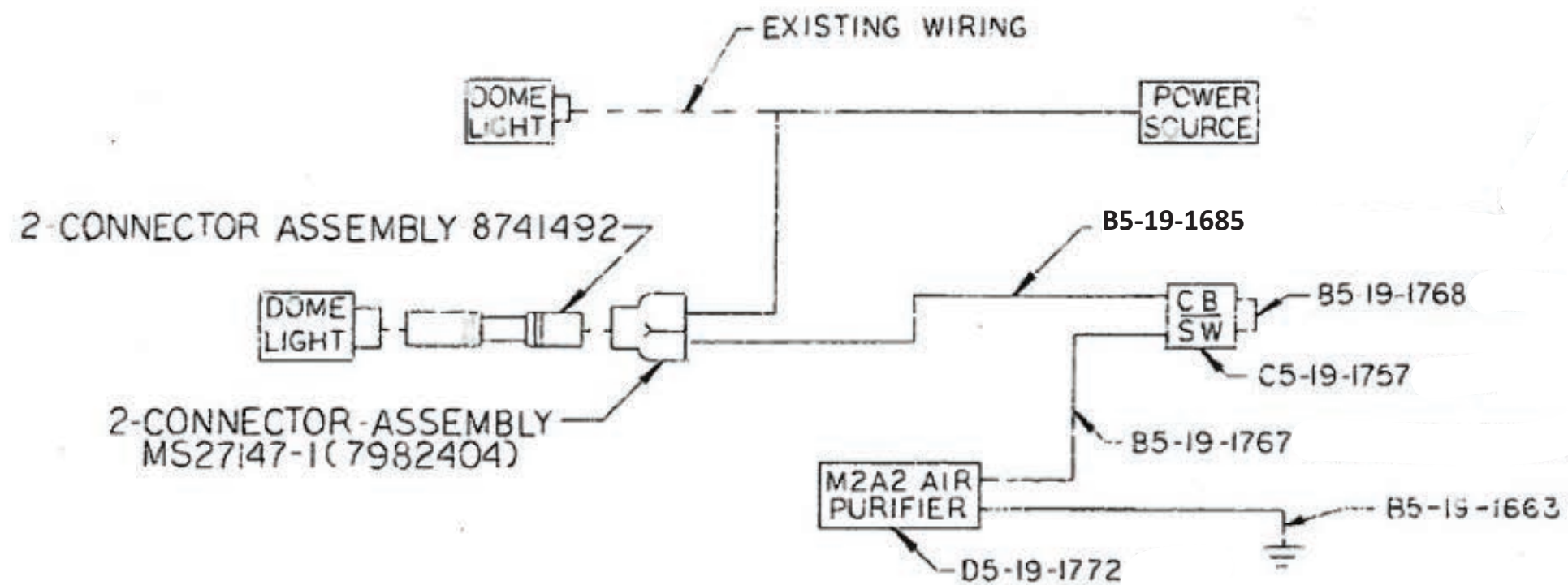
CREW DISTRIBUTION PANEL (CDP) (IF EQUIPPED)



FO-2. ELECTRICAL SCHEMATIC (AUTOMATIC FIRE EXTINGUISHER SYSTEM (AFES)) (IF EQUIPPED)

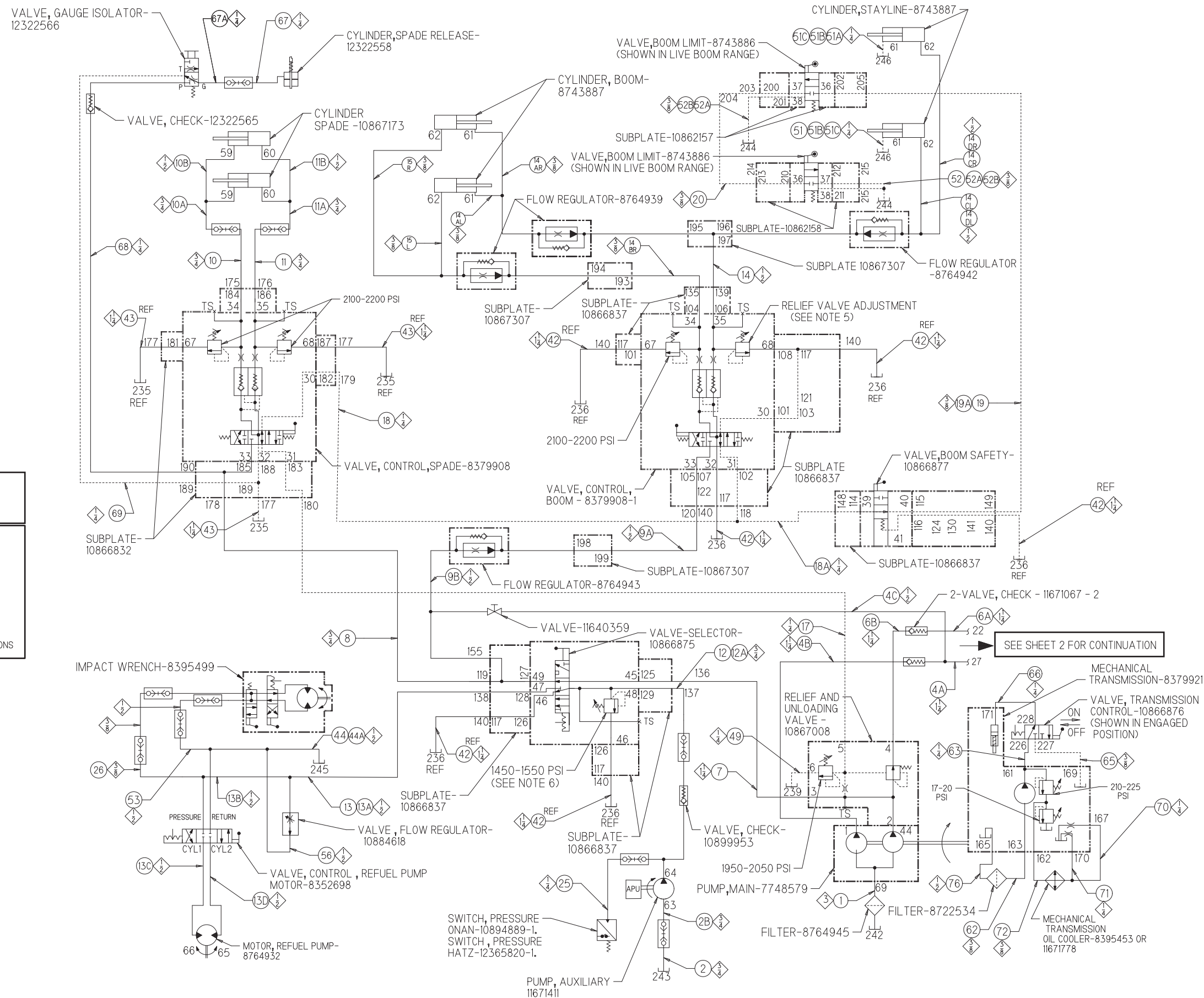


FO-3. ELECTRICAL SCHEMATIC (SMOKE GRENADE LAUNCHER)

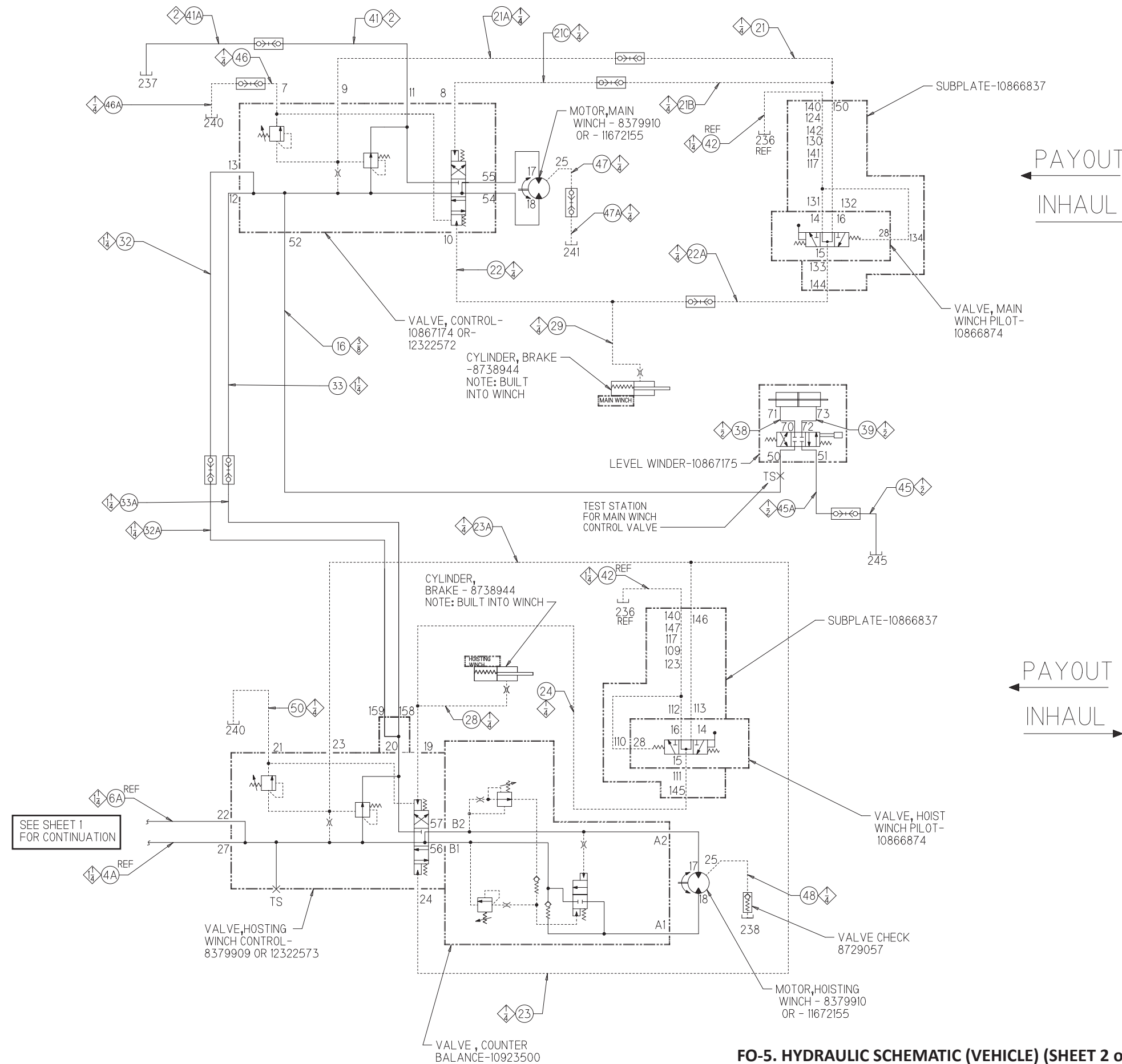


FO-4. ELECTRICAL SCHEMATIC (M2A2 AIR PURIFIER)

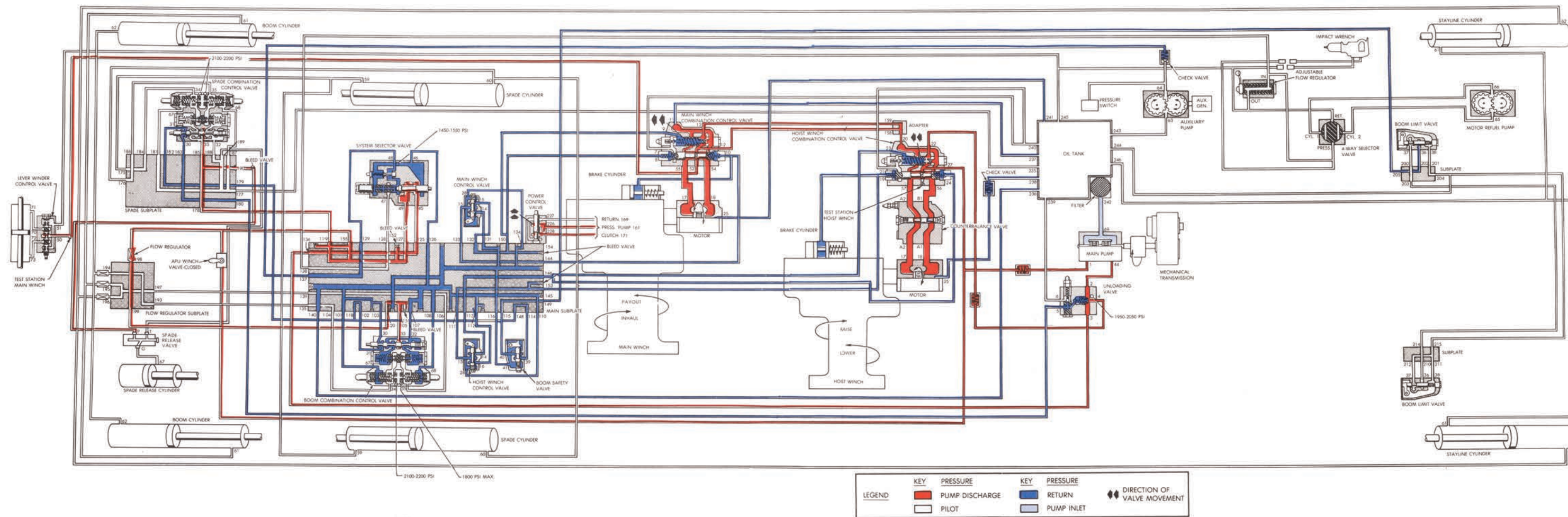
SYMBOL LEGEND	
(XX)	DENOTES LINE CODE NUMBER
◇	DENOTES LINE SIZE
TS	DENOTES TEST STATION
X	
————	DENOTES POWER FLOW OR TANK LINE
-----	DENOTES PILOT LINE OR DRAIN LINE
-----	DENOTES ENCLOSURE OF 2 OR MORE FUNCTIONS



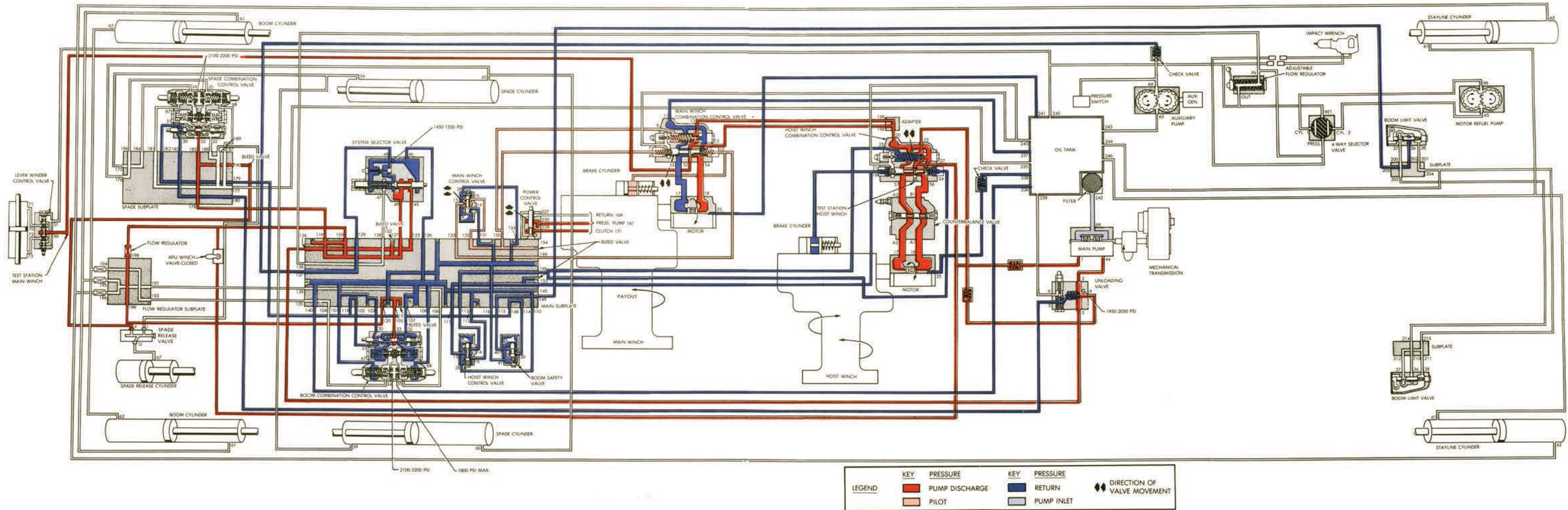
FO-5 HYDRAULIC SCHEMATIC (VEHICLE) (SHEET 1 of 2)



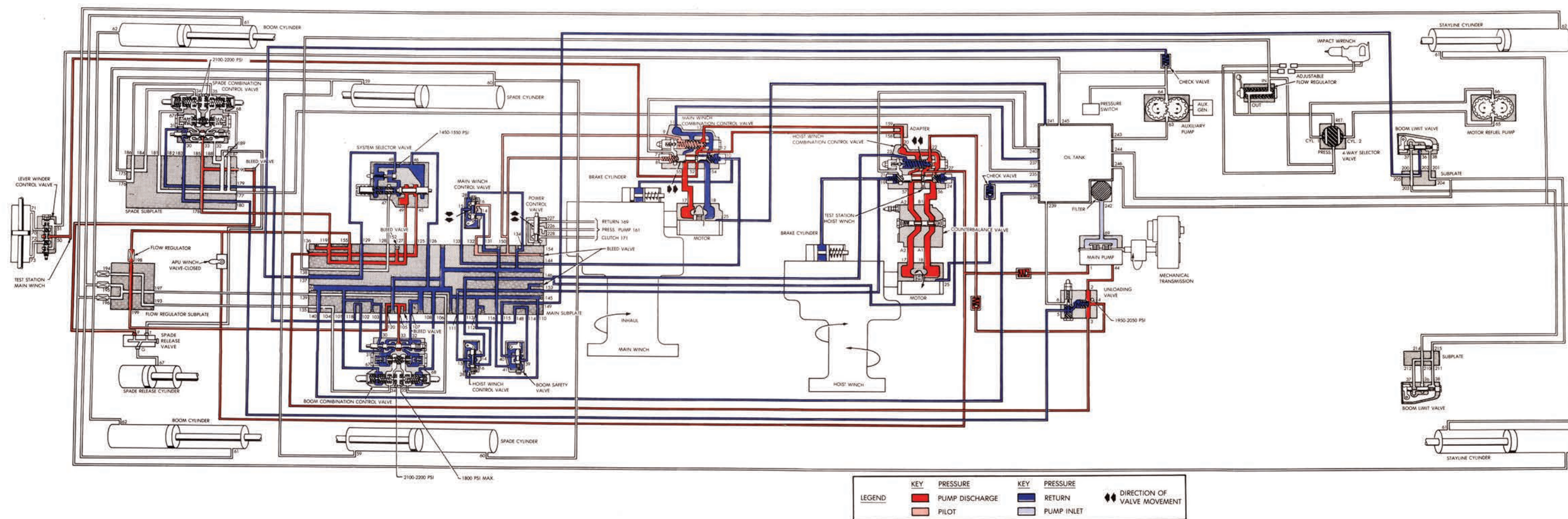
FO-5. HYDRAULIC SCHEMATIC (VEHICLE) (SHEET 2 of 2)



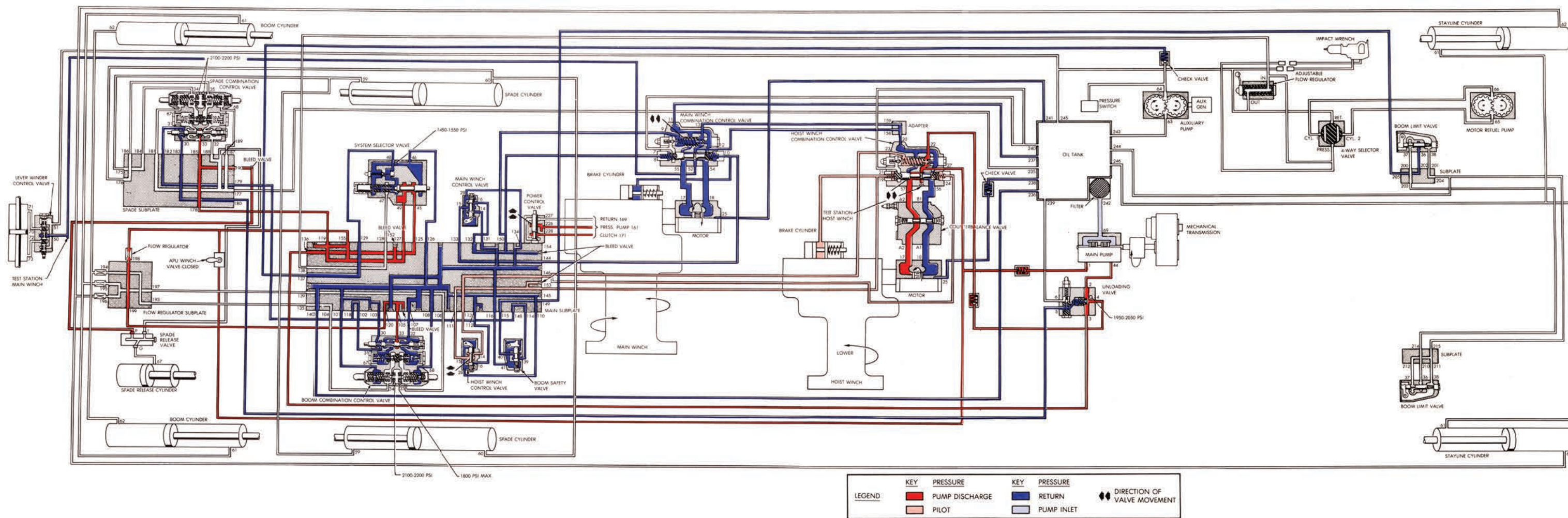
FO-6. HYDRAULIC FLOW SCHEMATIC (MAIN HYDRAULIC SYSTEM: IDLING)



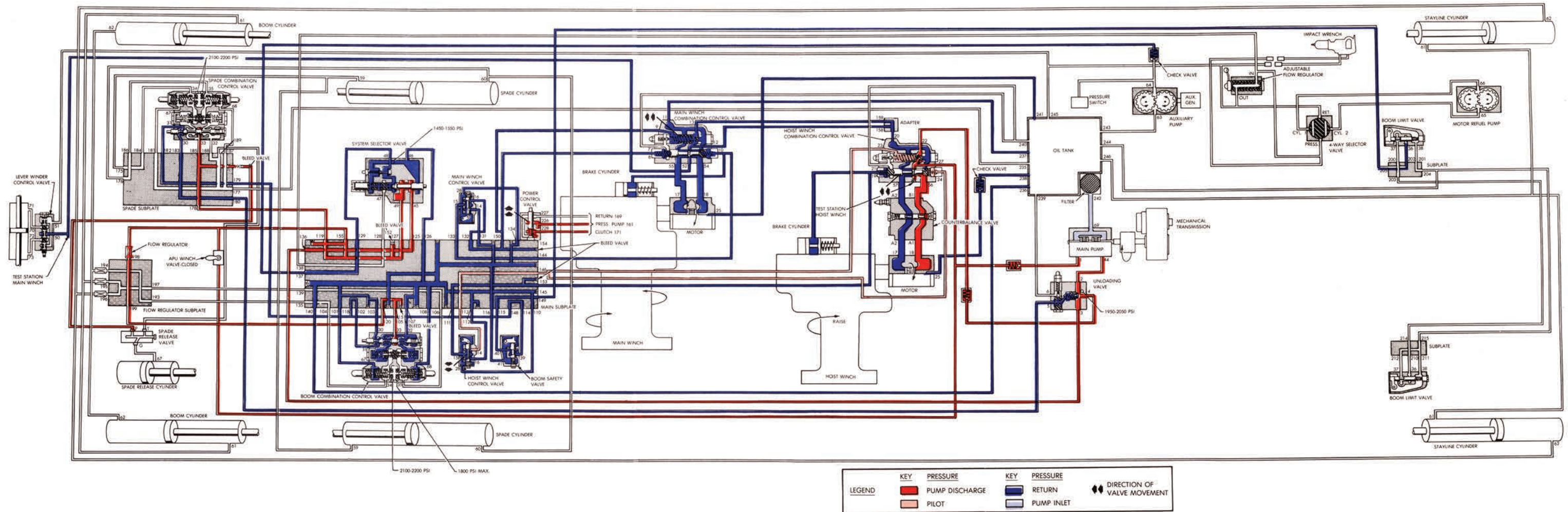
FO-7. HYDRAULIC FLOW SCHEMATIC (MAIN WINCH: PAYOUT)



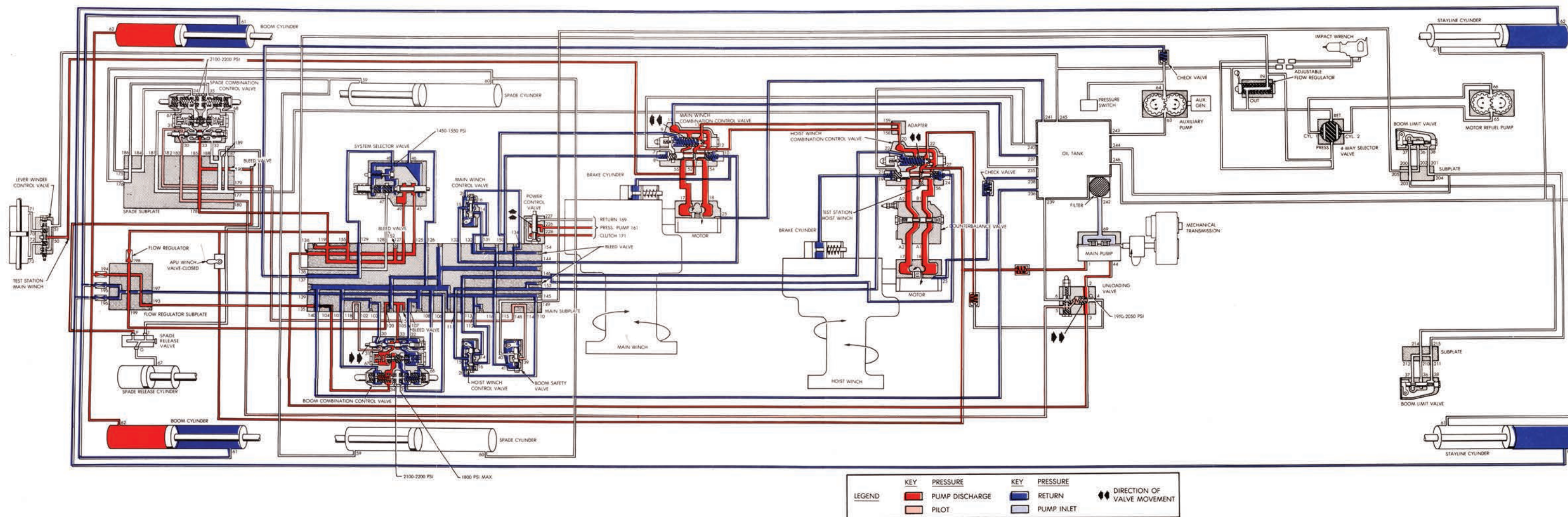
FO-8. HYDRAULIC FLOW SCHEMATIC (MAIN WINCH: INHAUL)



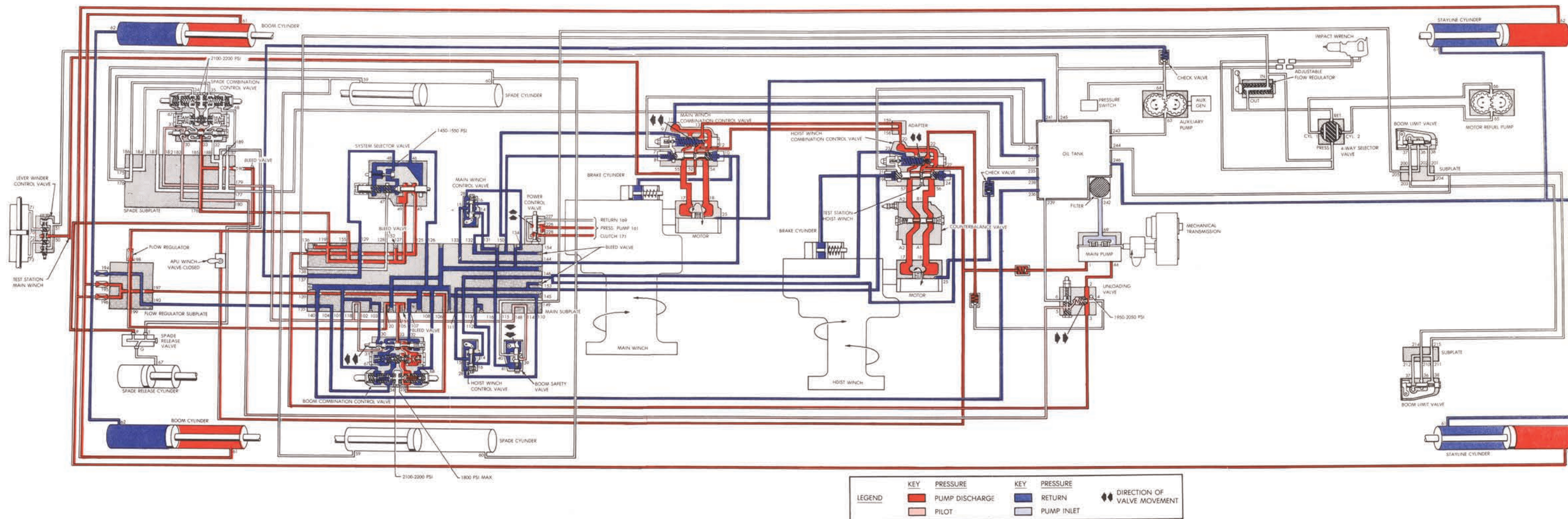
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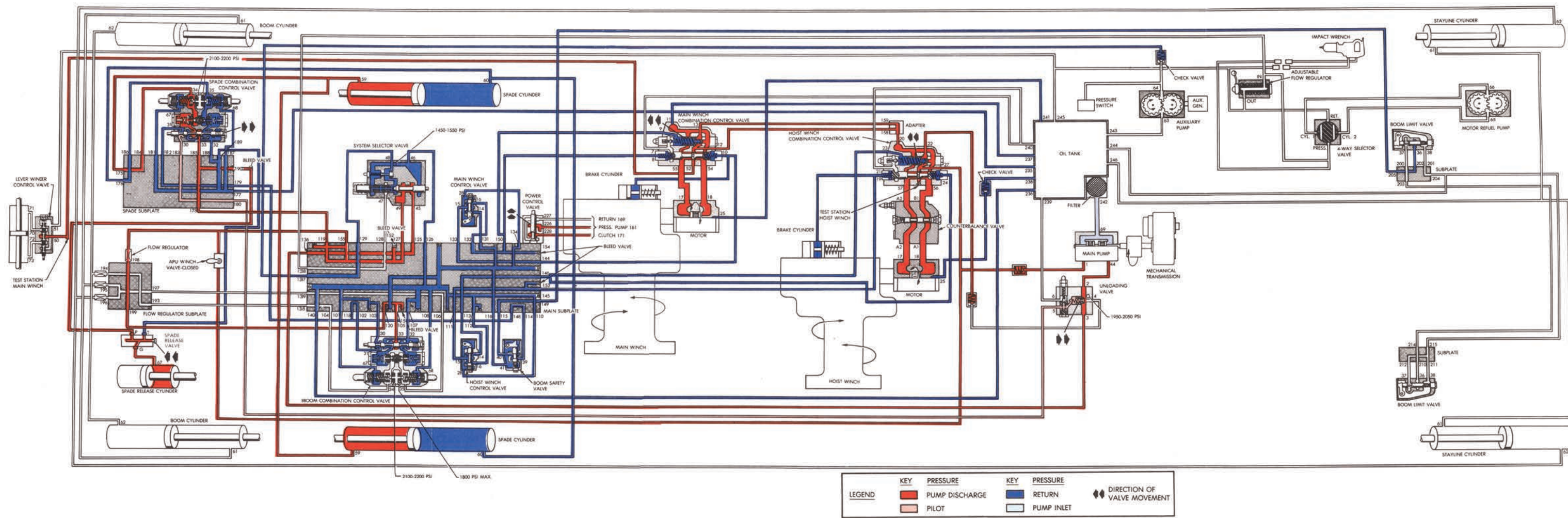
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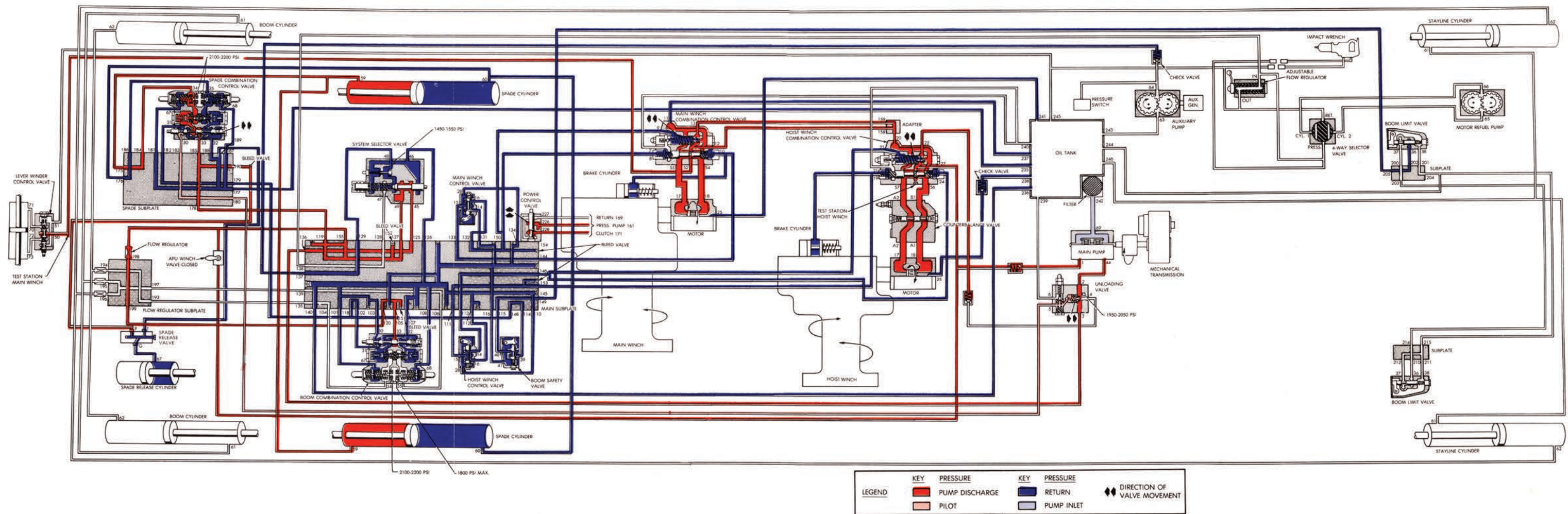
FO-11. HYDRAULIC FLOW SCHEMATIC (HOIST BOOM: FORWARD)



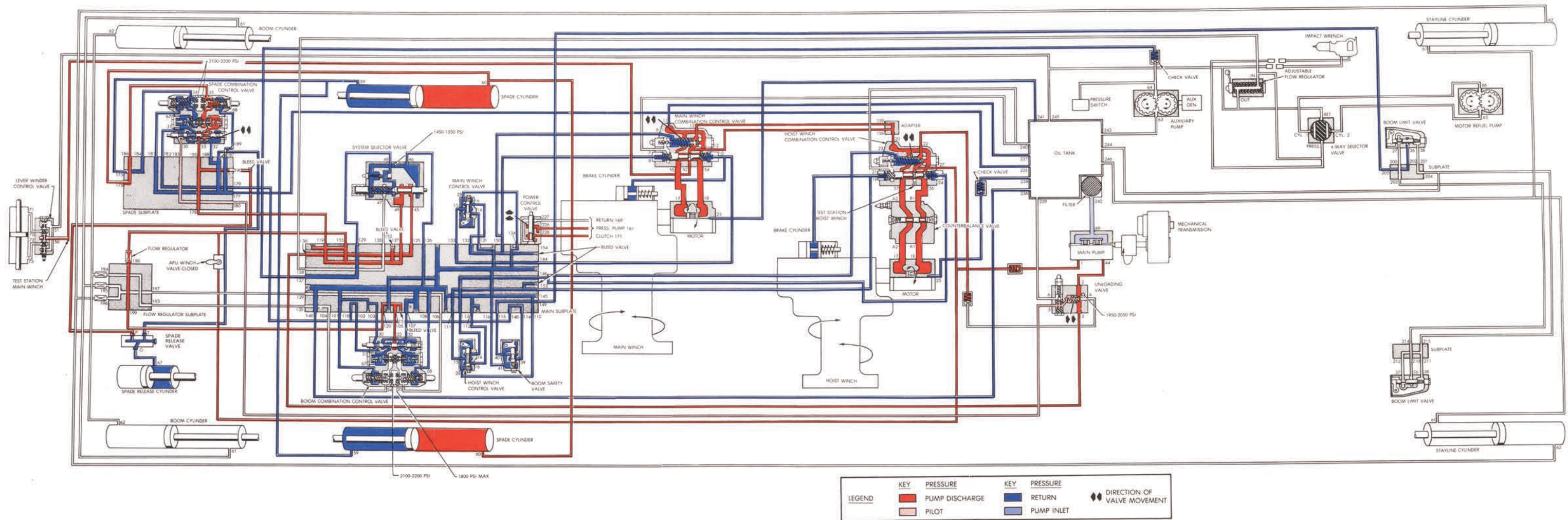
FO-12. HYDRAULIC FLOW SCHEMATIC (HOIST BOOM: RETRACT/STOW)



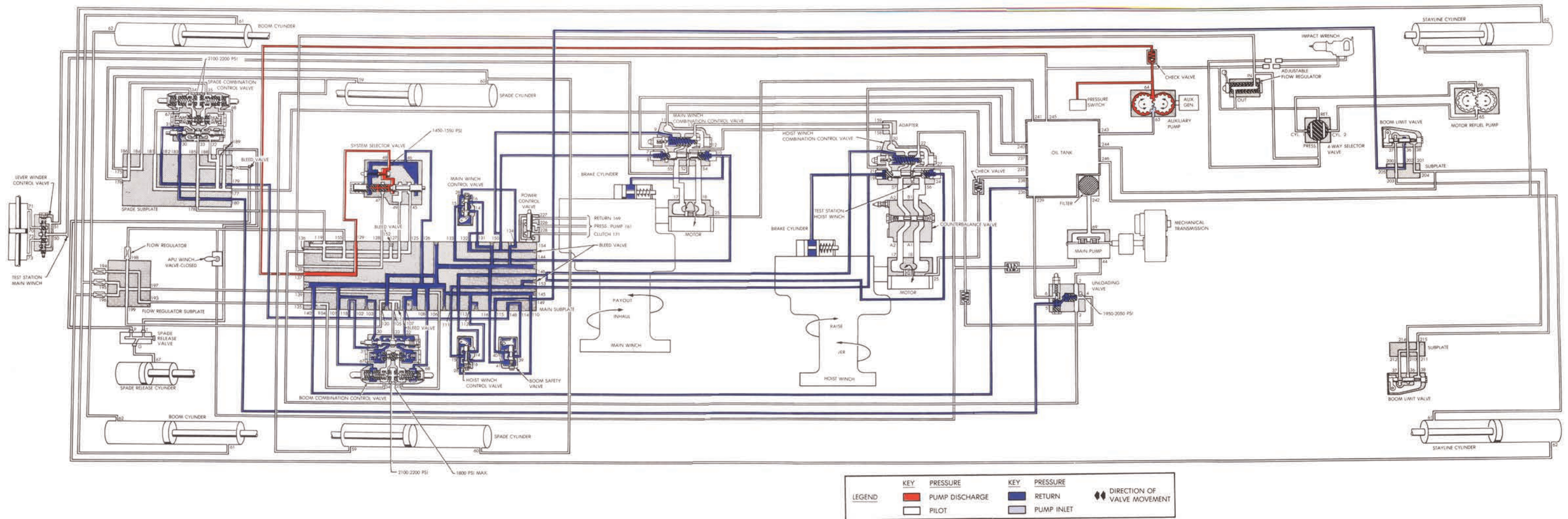
FO-13. HYDRAULIC FLOW SCHEMATIC (SPADE:RELEASE)



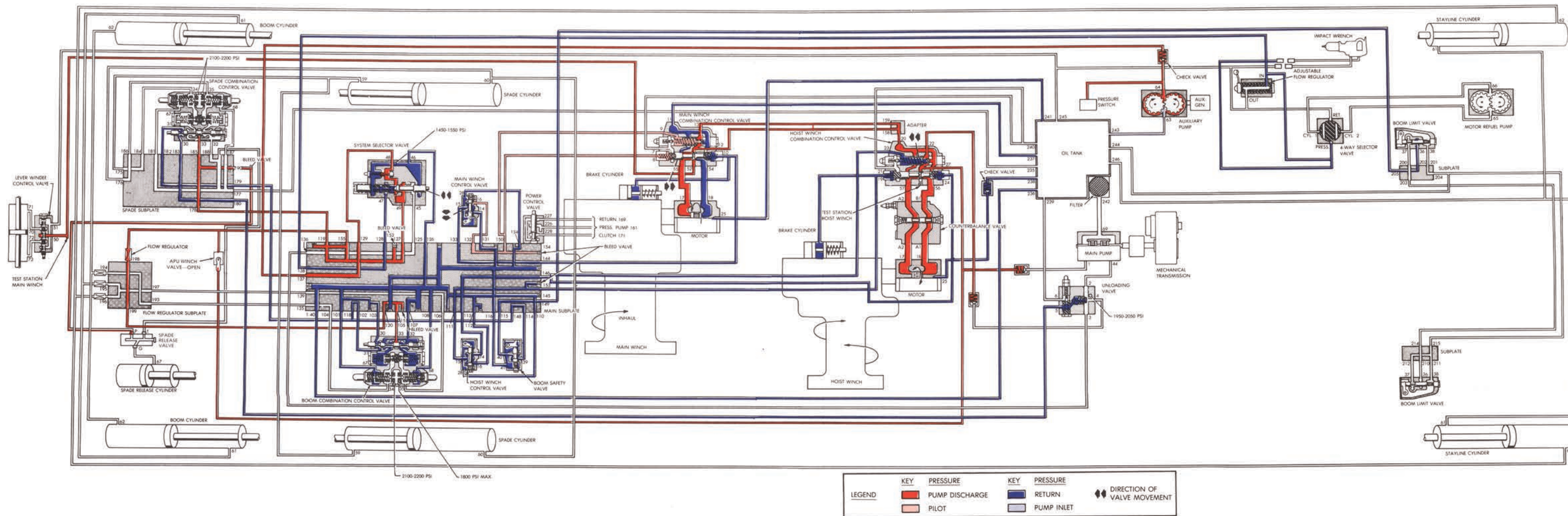
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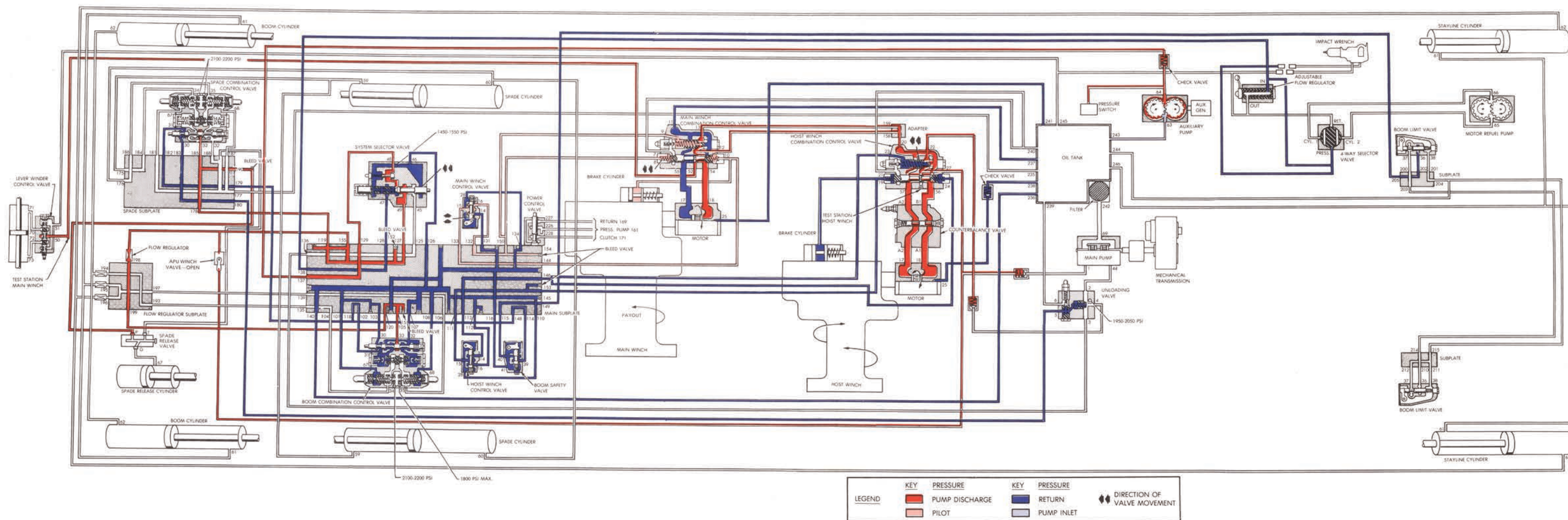
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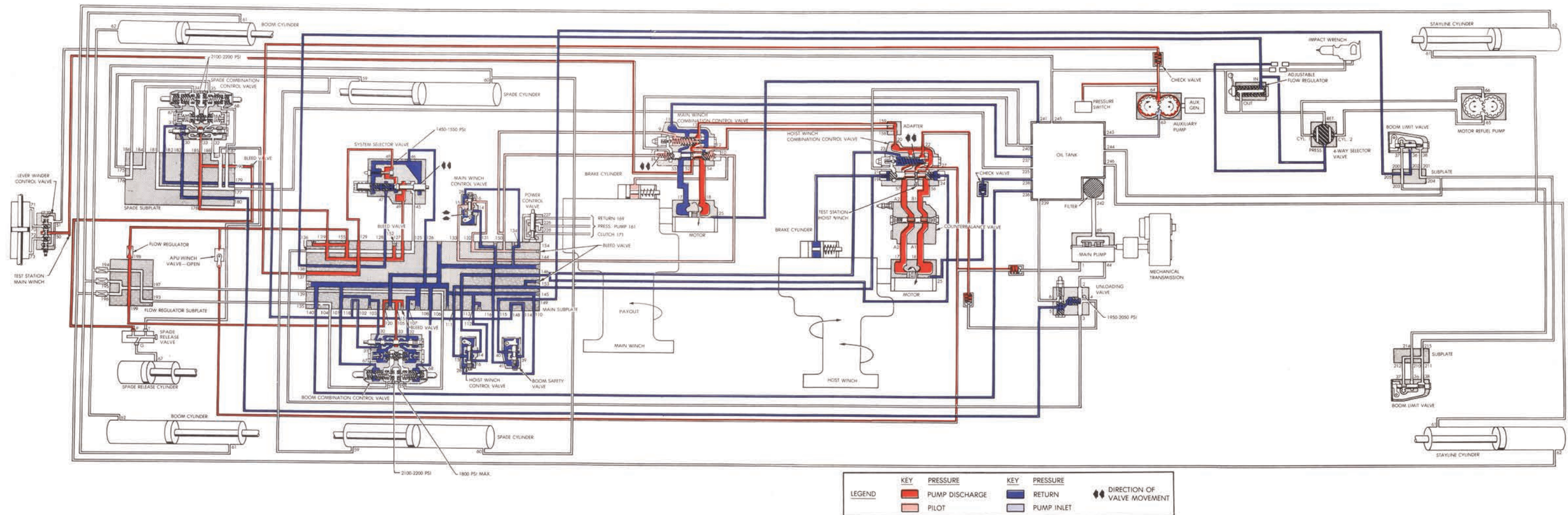
FO-16. HYDRAULIC FLOW SCHEMATIC (IDLING)



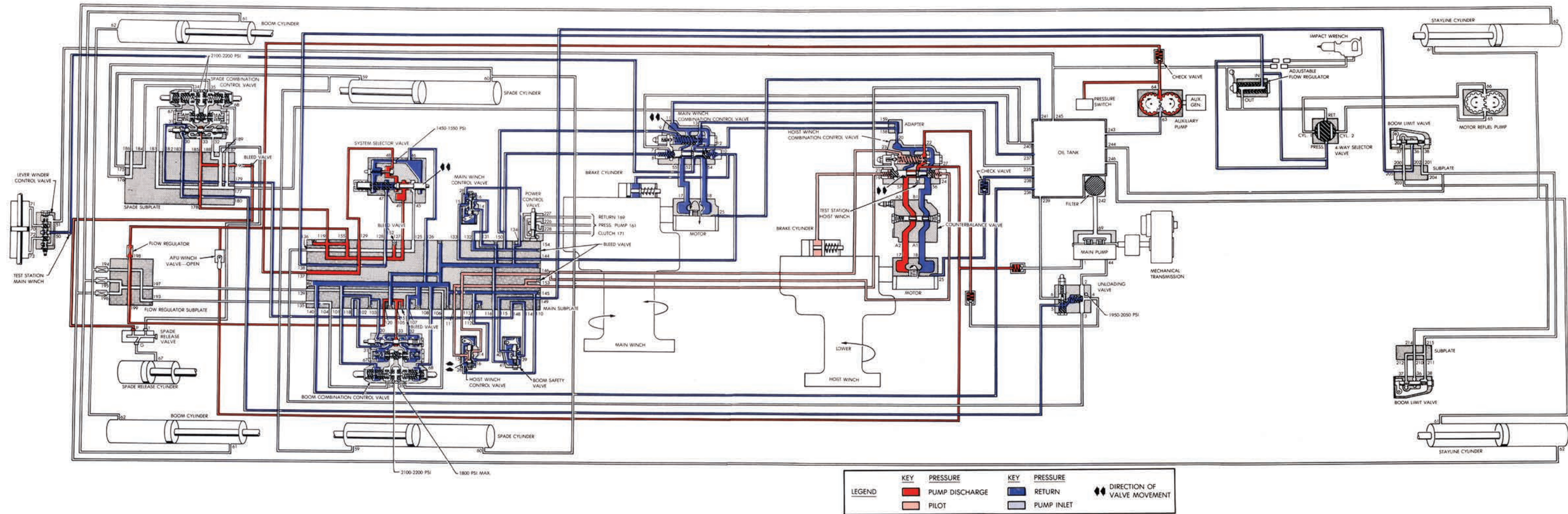
FO-17. AUXILIARY HYDRAULIC FLOW SCHEMATIC (MAIN WINCH: INHAUL)



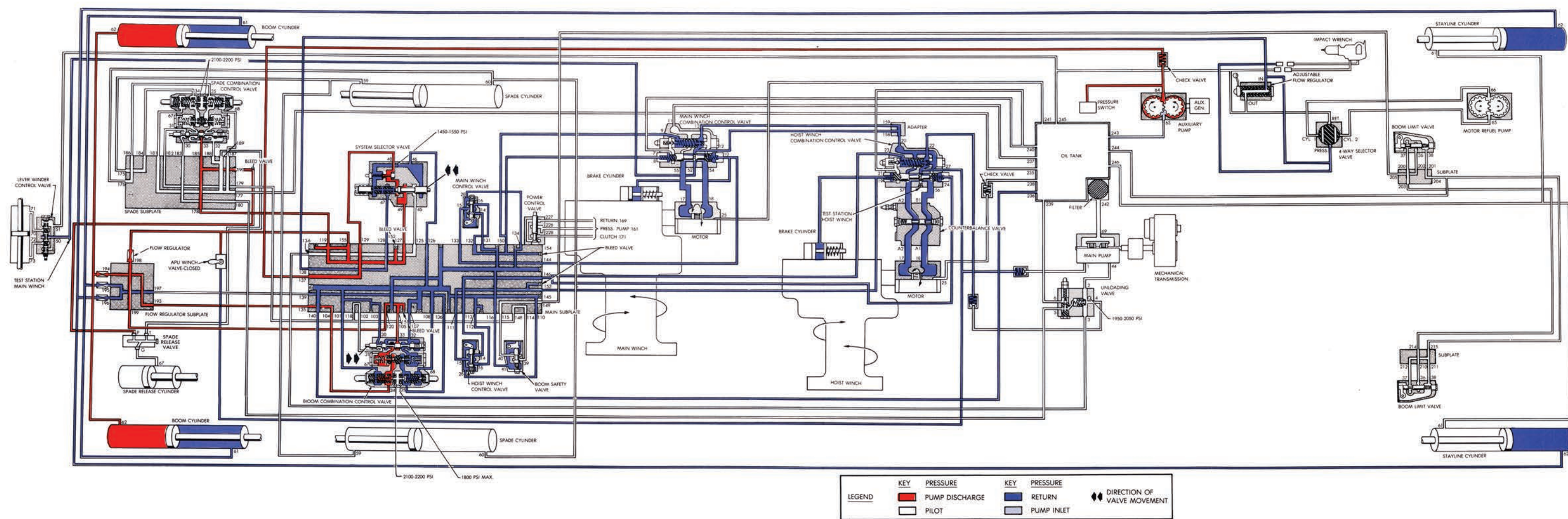
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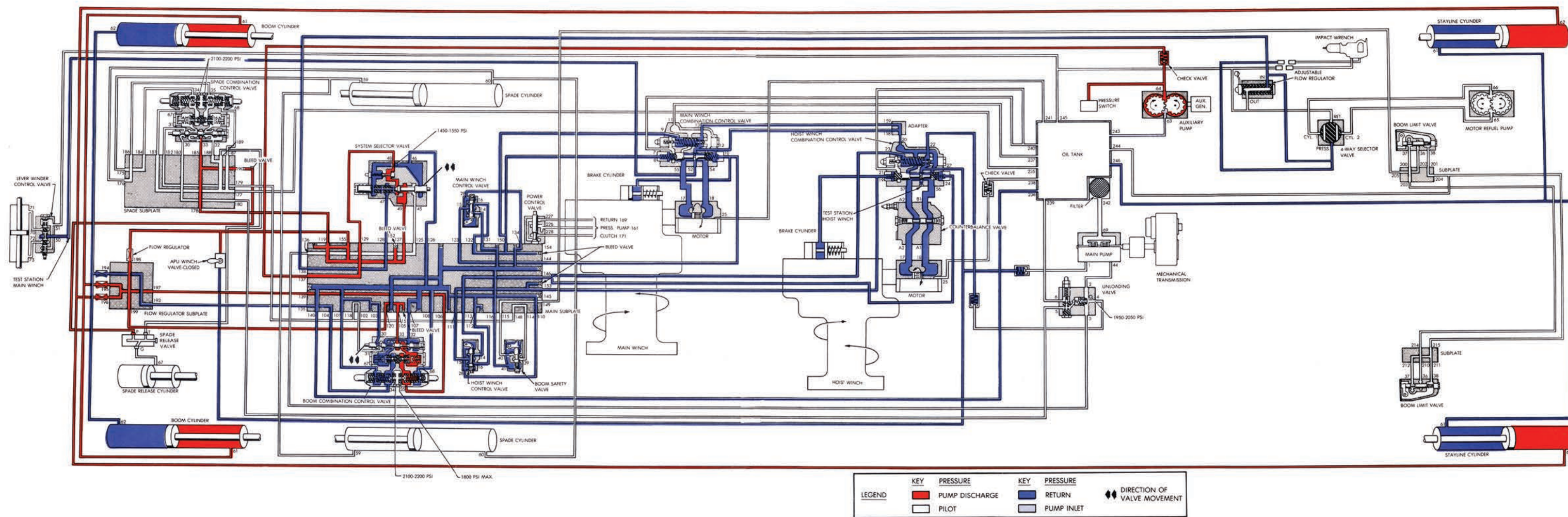
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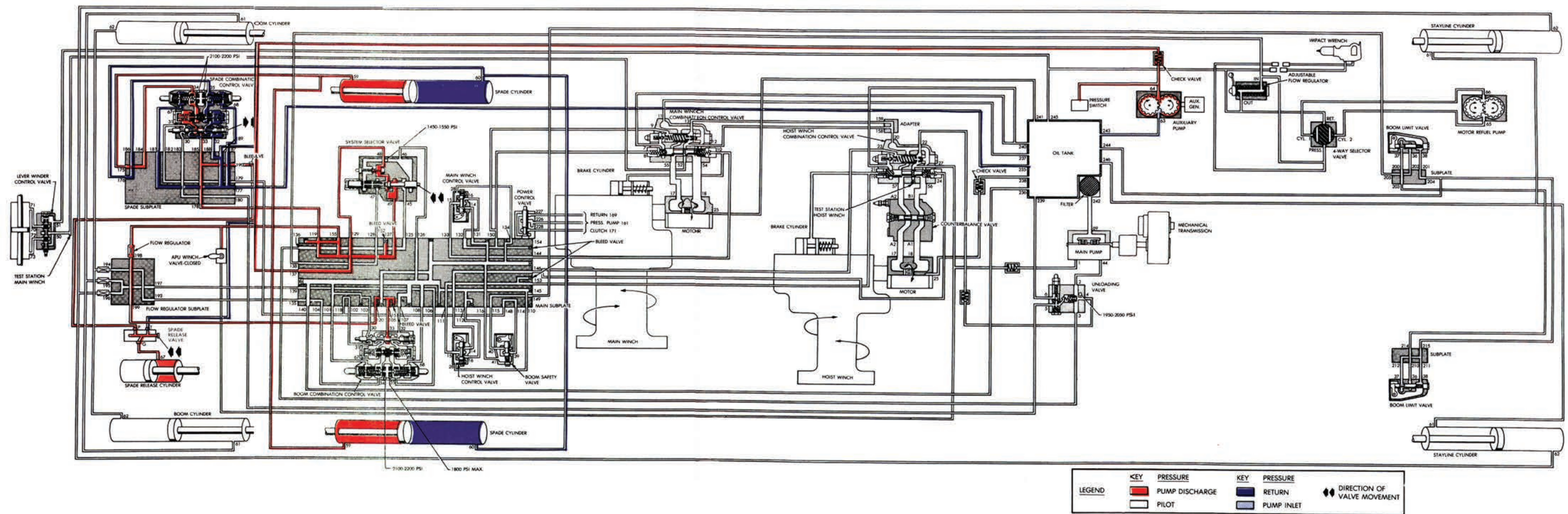
FO-20. AUXILIARY HYDRAULIC FLOW SCHEMATIC (HOIST WINCH: LOWER)



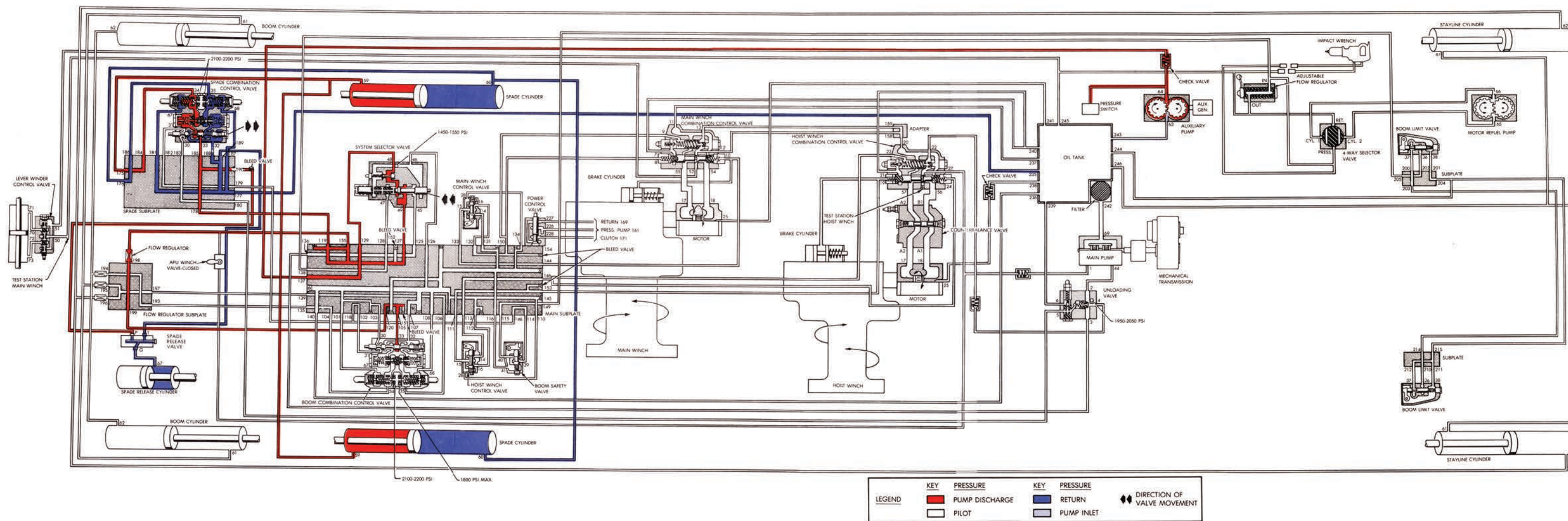
FO-21. AUXILIARY HYDRAULIC FLOW SCHEMATIC (HOIST BOOM: FORWARD)



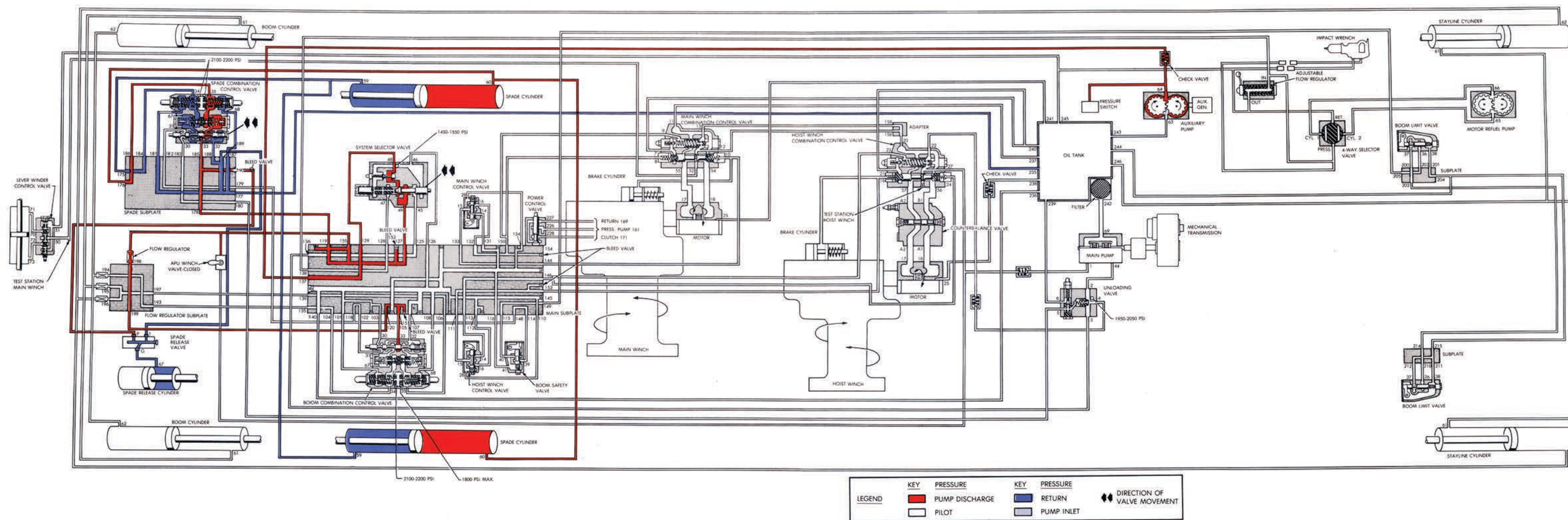
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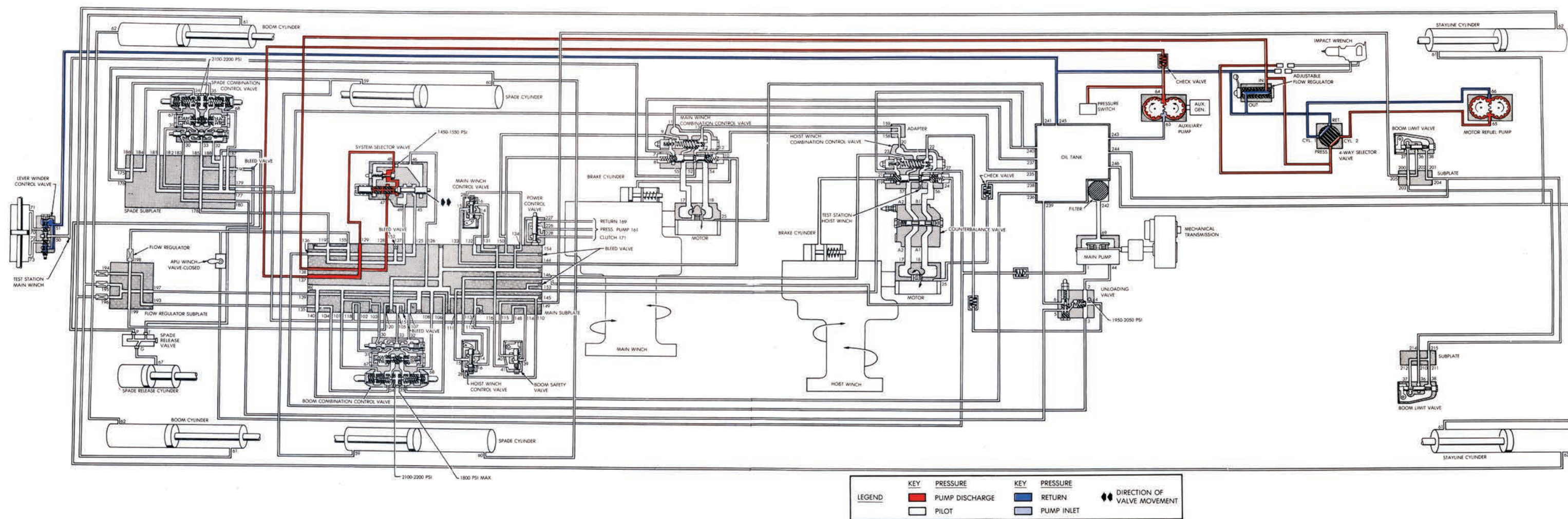
FO-23. AUXILIARY HYDRAULIC FLOW SCHEMATIC (SPADE: RELEASE)



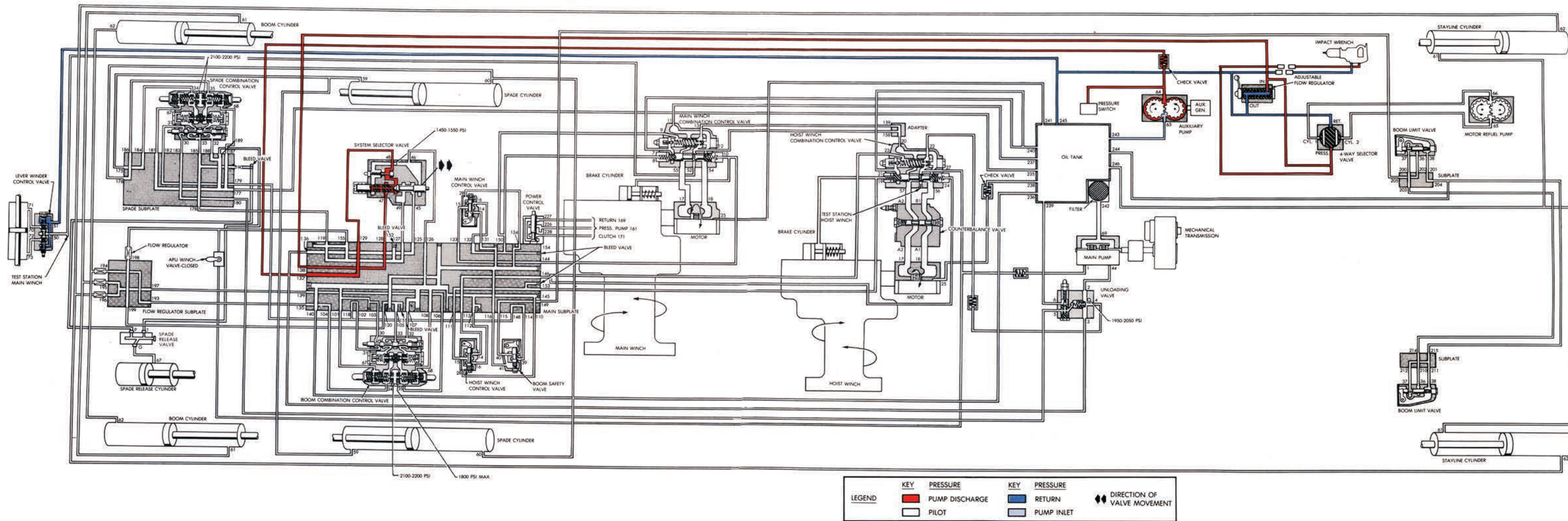
FO-24. AUXILIARY HYDRAULIC FLOW SCHEMATIC (SPADE: RAISE)



FO-25. AUXILIARY HYDRAULIC FLOW SCHEMATIC (SPADE: LOWER)



FO-26. HYDRAULIC FLOW SCHEMATIC (REFUEL)



FO-27. HYDRAULIC FLOW SCHEMATIC (IMPACT WRENCH)

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PUBLICATION/FORM NUMBER <i>TM Number</i>					DATE <i>DD MMMM YYYY</i>	TITLE <i>TM Title</i>	
ITEM	PAGE	PARA-GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON (Exact wording of recommended change must be given)	
	0007-3					<p><i>Figure 2, Item 9 should show a lockwasher. Currently shows a flat washer.</i></p> <p><i>Cleaning and inspection, Step 6, reference to governor support pin (14) is wrong reference. Reference should be change to (12).</i></p>	
	0018-2						
SAMPLE							
TYPED NAME, GRADE OR TITLE					TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE
<i>Your Name</i>					<i>Your Phone Number</i>		<i>Your Signature</i>

TO (Forward direct to addressee listed in publication) U.S. Army TACOM Life Cycle Management Command ATTN: AMSTA-LCL-IM/TECH PUBS 6501 E. 11 Mile Road, Warren, MI 48397-5000	FROM (Activity and location) (Include ZIP Code) <i>Your Address</i>	DATE <i>Date you filled out this form</i>
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PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION/FORM NUMBER <i>TM Number</i>	DATE <i>DD MMMM YYYY</i>	TITLE <i>TM Title</i>
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION
<h1>SAMPLE</h1>								

PART III – REMARKS (Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)

TYPED NAME, GRADE OR TITLE <i>Your Name</i>	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION <i>Your Phone Number</i>	SIGNATURE <i>Your Signature</i>
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	PAGE	PARA- GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
TYPED NAME, GRADE OR TITLE				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE	

TO <i>(Forward direct to addressee listed in publication)</i> U.S. Army TACOM Life Cycle Management Command ATTN: AMSTA-LCL-IM/TECH PUBS 6501 E. 11 Mile Road, Warren, MI 48397-5000	FROM <i>(Activity and location) (Include ZIP Code)</i>	DATE
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PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION/FORM NUMBER TB 9-2350-256-23	DATE 30 MAY 2014	TITLE TECHNICAL BULLETIN, RECOVERY VEHICLE, FULL-TRACKED: MEDIUM, M88A1
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

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PUBLICATION/FORM NUMBER TB 9-2350-256-23	DATE 30 MAY 2014	TITLE TECHNICAL BULLETIN, RECOVERY VEHICLE, FULL-TRACKED: MEDIUM, M88A1
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PART III – REMARKS *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE
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By Order of the Secretary of the Army:

Official:

Handwritten signature of Gerald B. O'Keefe in black ink, featuring a stylized 'G' and 'B'.

GERALD B. O'KEEFE
*Administrative Assistant to the
Secretary of the Army*

1409704

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*General, United States Army
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THE METRIC SYSTEM AND EQUIVALENTS

<p>Linear Measure</p> <p>1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches 1 Kilometer = 1000 Meters = 0.621 Miles</p> <p>Weights</p> <p>1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces 1 Kilogram = 1000 Grams = 2.2 Pounds 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons</p> <p>Liquid Measure</p> <p>1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces</p>	<p>Square Measure</p> <p>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</p> <p>Cubic Measure</p> <p>1 Cu Centimeter = 1,000 Cu Millimeters = 0.06 Cu Inches 1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet</p> <p>Temperature</p> <p>$9/5 C^{\circ} + 32 = F^{\circ}$ $5/9 (F^{\circ} - 32) = C^{\circ}$ 212° Fahrenheit is equivalent to 100° Celsius 90° Fahrenheit is equivalent to 32.2° Celsius 32° Fahrenheit is equivalent to 0° Celsius</p>
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APPROXIMATE CONVERSION FACTORS

To Change	To	Multiply By
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Sq Inches	Sq Centimeters	6.451
Sq Feet	Sq Meters	0.093
Sq Yards	Sq Meters	0.836
Sq Miles	Sq Kilometers	2.590
Acres	Sq 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	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Sq 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
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Sq Centimeters	Sq Inches	0.155
Sq Meters	Sq Feet	10.764
Sq Meters	Sq Yards	1.196
Sq Kilometers	Sq Miles	0.386
Sq 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	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds per Sq Inch	0.145
Kilometers per Liter	Miles per Gallon	2.354
Kilometers per Hour	Miles per Hour	0.621

