621C, 721C
Loaders

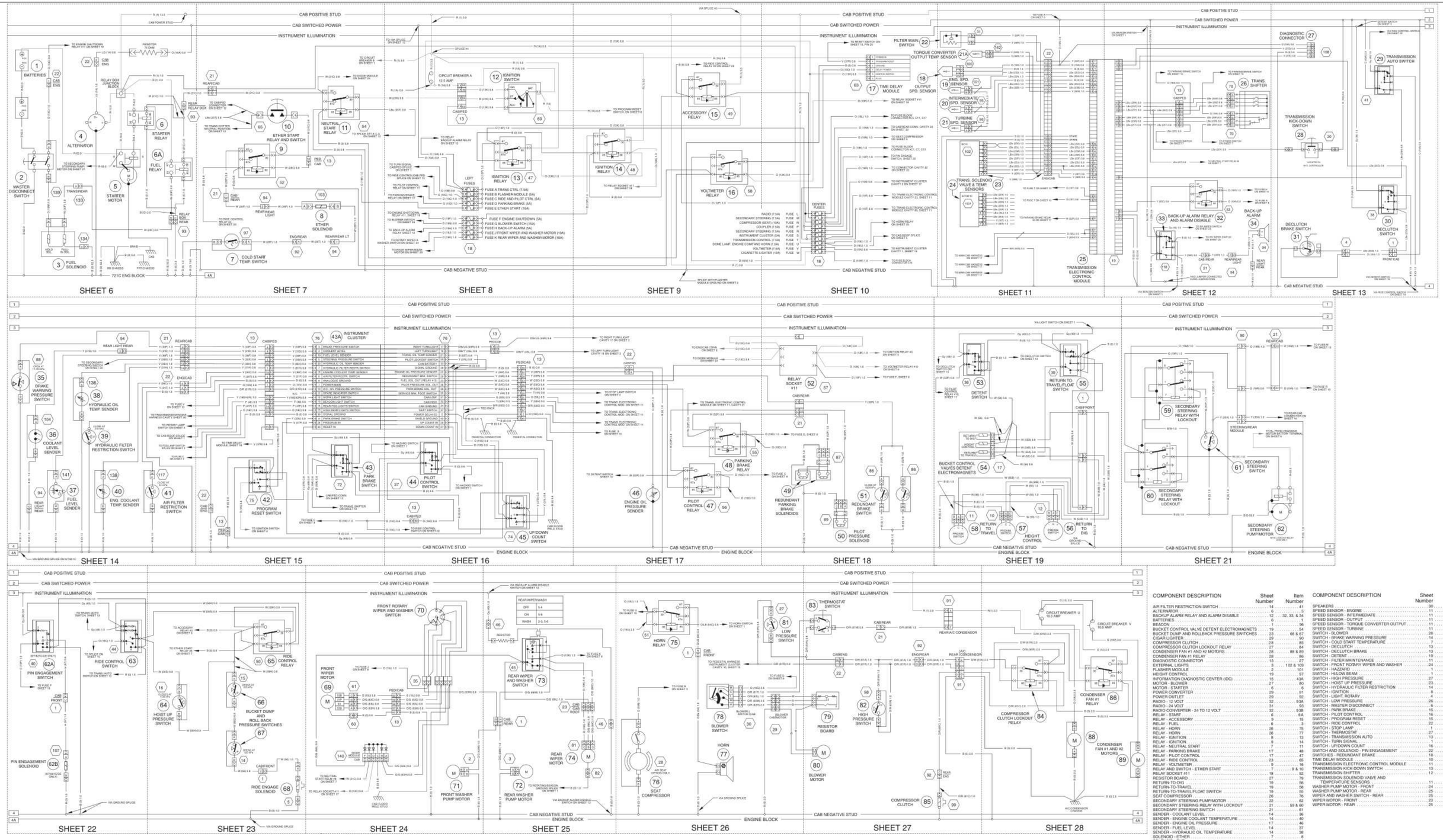
Service Manual

7-12073

CASE CONSTRUCTION

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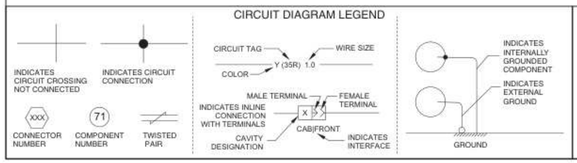
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COMPONENT DESCRIPTION	Sheet Number	Item Number
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RELAY - IGNITION	9	14
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COMPONENT DESCRIPTION	Sheet Number	Item Number
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CIRCUIT DIAGRAM LEGEND



COLOR ABBREVIATIONS

ABBREV	WIRE COLOR
B	BLACK
BR	BROWN
BR/W	BROWN/WHITE
BR/Y	BROWN/YELLOW
DBe	DARK BLUE
DBr	DARK BROWN
DBr/LG	DARK BROWN/LT GREEN
DBr/Y	DARK BROWN/YELLOW
DG	DARK GREEN
Gy	GRAY
LBe	LIGHT BLUE
LGe	LIGHT GREEN
O	ORANGE
O/Be	ORANGE/BLUE
O/G	ORANGE/GREEN
O/LB	ORANGE/LIGHT BLUE
O/R	ORANGE/RED
O/W	ORANGE/WHITE
P	PINK
R	RED
T	TAN
V	VIOLET (PURPLE)
W	WHITE
Y	YELLOW

ACTUATORS

LEVER RELEASED, LEVER ACTUATED, LIQUID LEVEL FLOAT, PRESSURE, HAND, DIODE, VARIABLE RESISTOR, RESISTOR, COIL, LIGHT EMITTING DIODE, TEMP., ▲ MOMENTARY, ● MAINTAINED CONTACTS

HOUSINGS

VACUUM SWITCH, PRESSURE SWITCH, TEMPERATURE SWITCH, M MOTOR, LAMP

CONTACT CONFIGURATIONS

S.P.S.T., S.P.D.T., D.P.S.T., D.P.D.T.

MISCELLANEOUS SYMBOLS

FUSE, AUTO RESET CIRCUIT BREAKER, MANUAL RESET CIRCUIT BREAKER

NOTES

1. DIAGRAM SHOWN WITH VEHICLE PARKED POWER OFF AND CONTROLS IN OFF OR NEUTRAL POSITION.
2. SHEET NUMBERS REFER TO THE NUMBER AT THE BOTTOM CENTER OF EACH DASHED BLOCK.
3. SHEETS 1, 2, 3, 3A, 4, 5, 29, 30, 31, AND 32 (ITEMS 90, CIGAR LIGHTER THROUGH 132, ENGINE COMPARTMENT LAMP) ARE NOT SHOWN ON THIS SCHEMATIC POSTER. SEE SECTION 4002 FOR THESE SHEETS.
4. BUCKET CONTROL VALVES DETENT ELECTROMAGNETS RESISTANCE (S19) OHMS.
5. FUEL LEVEL SENDER (E-F) IS 0-90 OHMS.
6. COOLANT TEMPERATURE SENDER:
   - 68°C 430 OHMS
   - 93°C 206 OHMS
   - 100°C 164 OHMS
7. OIL TEMPERATURE SWITCH CLOSING SETPOINT IS 112°C (269°F).
8. HYDRAULIC FILTER RESTRICTION SWITCH CLOSES AT 310 KPA.
9. AIR FILTER RESTRICTION SWITCH CLOSES AT 6.4 KPA.
10. ENGINE OIL PRESSURE SWITCH OPENS AT 1 BAR.
11. LOW BRAKE PRESSURE SWITCH OPENS AT 11,700 KPA.
12. A/C HIGH PRESSURE SWITCH CLOSES AT 26 BAR (INCREASING PRESSURE).
13. A/C LOW PRESSURE SWITCH CLOSES AT 0.3 BAR (DECREASING PRESSURE).
14. CONTACTS 2 TO 3 OF THERMOSTAT SWITCH CLOSE AT INITIAL TURN OF THE ROTARY SWITCH. CONTACTS 1 TO 2 CLOSE WITH THERMAL SETTING.
15. ENGINE OIL PRESSURE SENDER. REFERENCE RESISTANCE VS. PRESSURE IS:
   - 1 BAR 20 OHMS
   - 3 BAR 82 OHMS
   - 5.5 BAR 90 OHMS
16. FUEL SOLENOID RESISTANCE IS 30 OHMS

LEGEND

——— INDICATES CONSTANT POWER

– – – INDICATES POWER WHEN KEY SWITCH IS IN ON POSITION

721C WHEEL LOADER ELECTRICAL SCHEMATIC

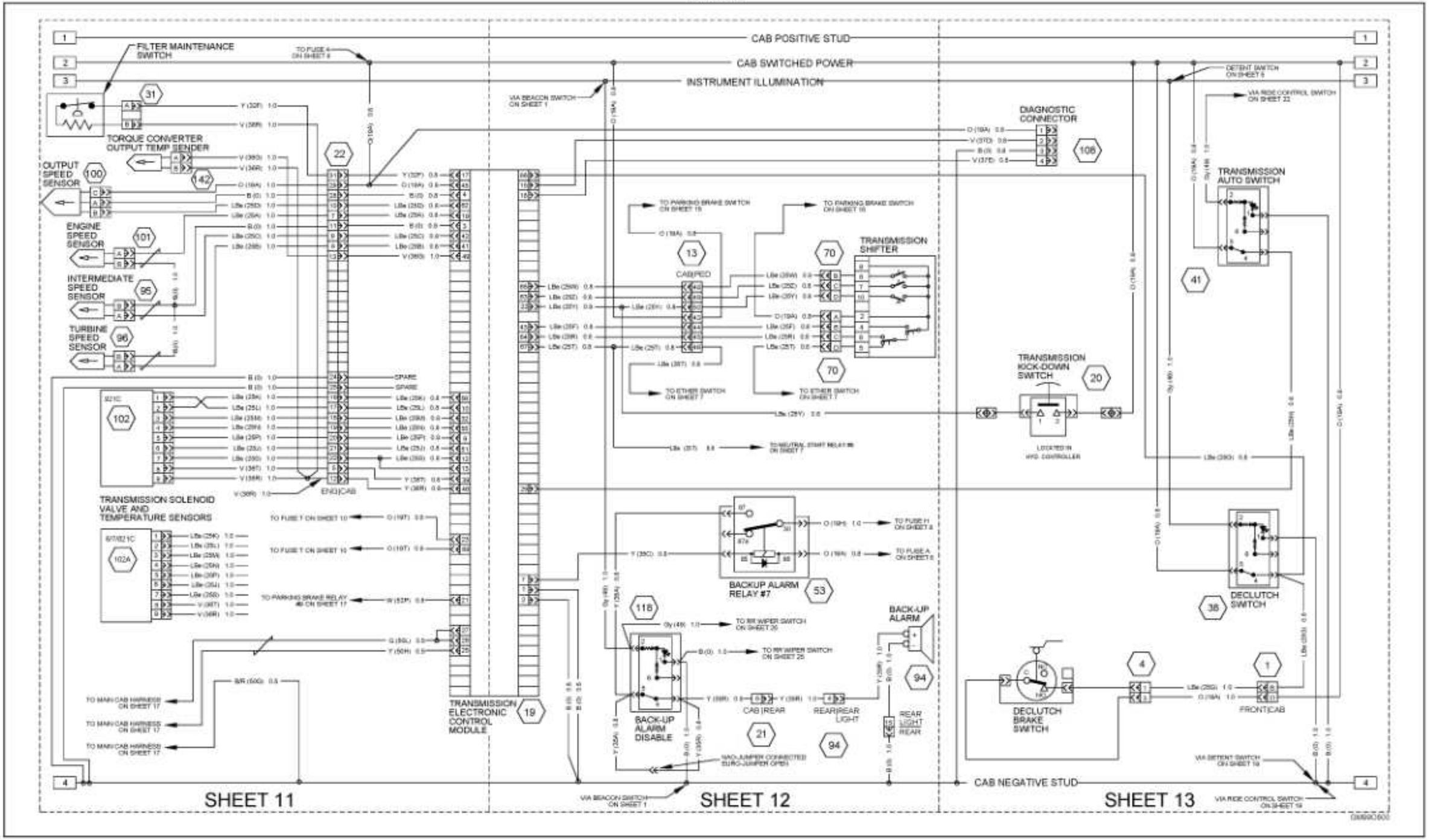
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TRANSMISSION ELECTRICAL SCHEMATIC

FIGURE 11



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