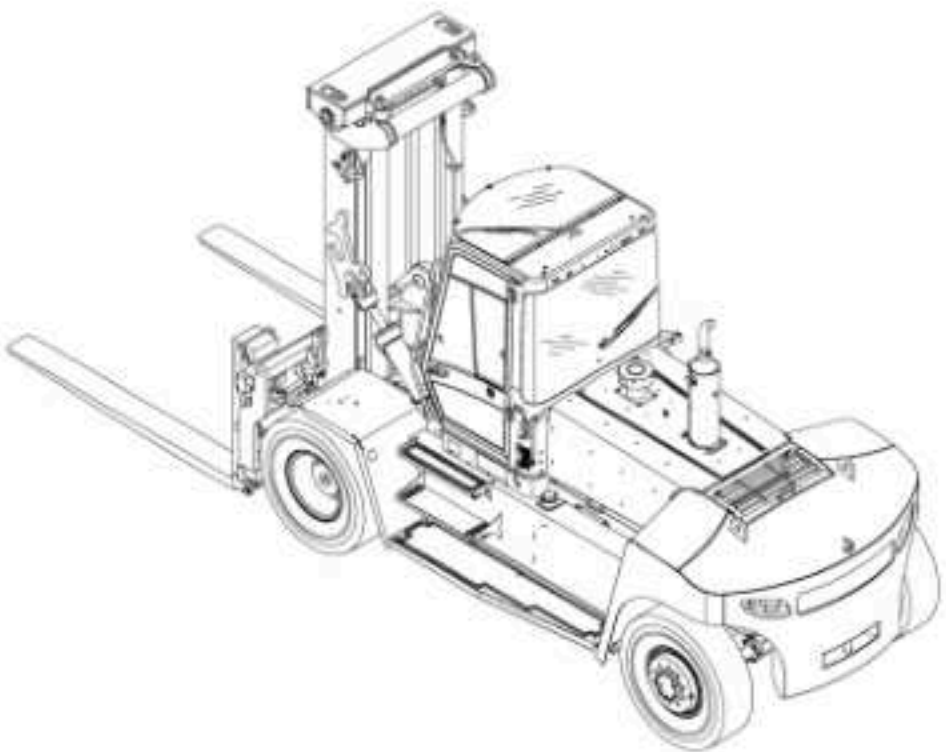
# SERVICE MANUAL

## A238 (H360-36HD, H360-48HD)



Rev. 08/14

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# Electrical Specifications

Inductive Speed Sensor (engine, turbine, and intermediate):

Resistance - 1050Ω (±10%) at 20°C (68°F)

Temperature Range - −40°C (−40°F) to 150°C (302°F)

Hall Sensor (output speed):

Temperature Range - −40°C (−40°F) to 150°C (302°F)

Working Range - 2 Hz to 5000 Hz

Supply Voltage - 24 V

Proportional Clutch Valves:

Resistance - 19Ω (± 10%) at 20°C (68°F)

Current - 100 to 500 mA

Pressure Range - 0.8 to 8.3 bar (11.6 to 120.4 psi)



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# Fault Codes

The following table provides fault descriptions and corrective actions for hydraulic fault codes.

*Table 5. Fault Codes*

| Fixed PT/(E) CH | Alternating-PT Function | Pin No. | Fault Code | Fault | Fault Description | Corrective Action |
|---|---|---|---|---|---|---|
| Joystick Lift Lever | Joystick Lift Lever | 23 | h0101 | Input too low | The joystick input is less than 0.25. volts for less than 0.5 sec. (Intermittent failure). | Check input wire harness, short to ground. Check joystick/lever. |
| | | | h0102 | Input too high | The joystick input higher than 4.75. volts for less than 0.5 sec. (Intermittent failure). | Check input wire harness, Loose contact. Check joystick/lever. |
| | | | h0116 | Not calibrated | Not all to be calibrated values are stored in the controller correctly. | Recalibrate joystick/lever. See Calibration. |
| | | | h0117 | Not calibrated, Input too low. | The joystick input is less than 0.25. volts for more than 0.5 sec. | Check input wire harness, short to ground. Check joystick/lever. Recalibrate joystick/lever. See Calibration. |
| | | | h0118 | Not calibrated, Input too high. | The joystick input higher than 4.75. volts for more than 0.5 sec. | Check input wire harness, Loose contact. Check joystick/lever. Recalibrate joystick/lever. See Calibration. |



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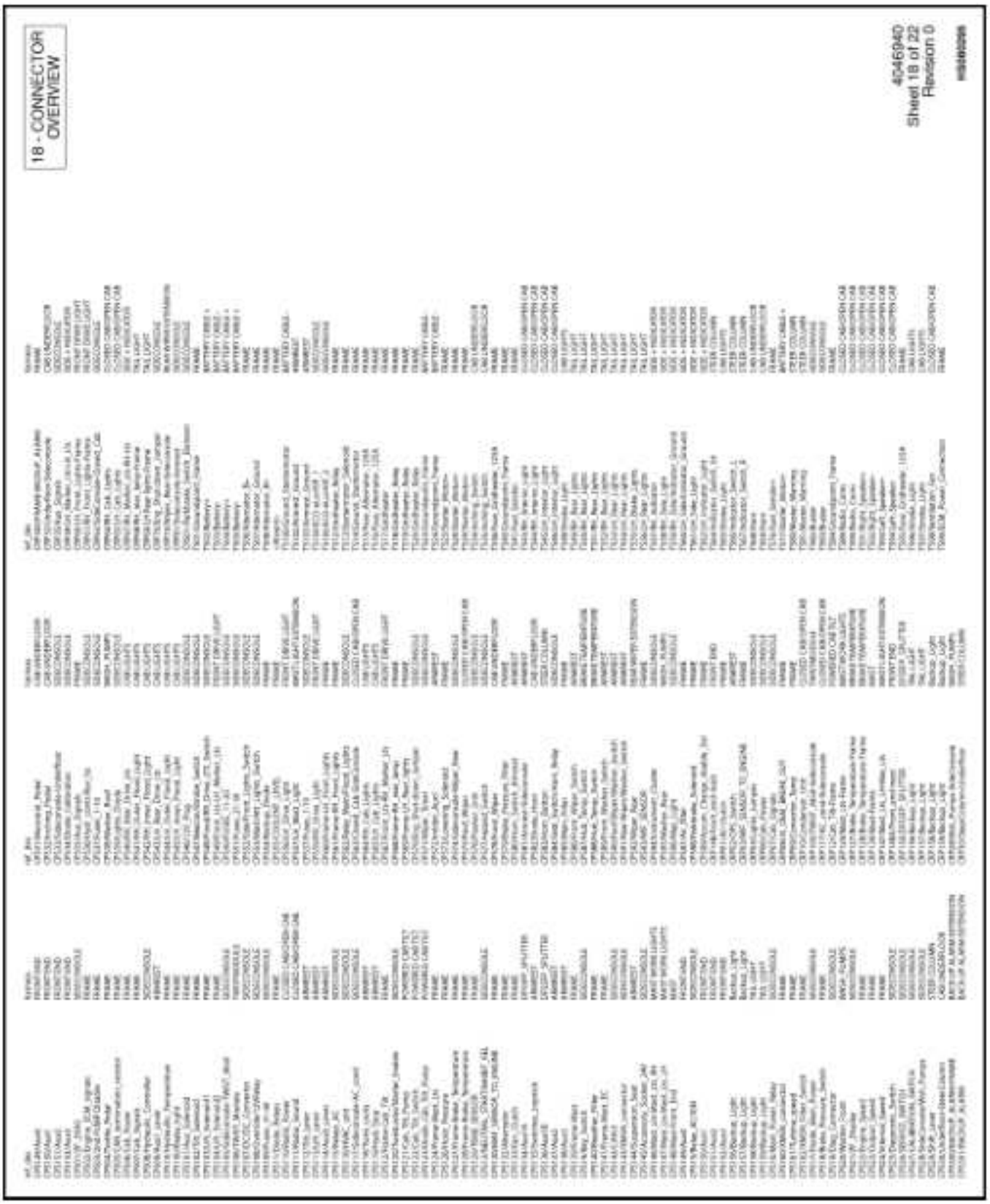



*Figure 1. Electrical Schematic 16T @1200 (Sheet 18 of 22)*



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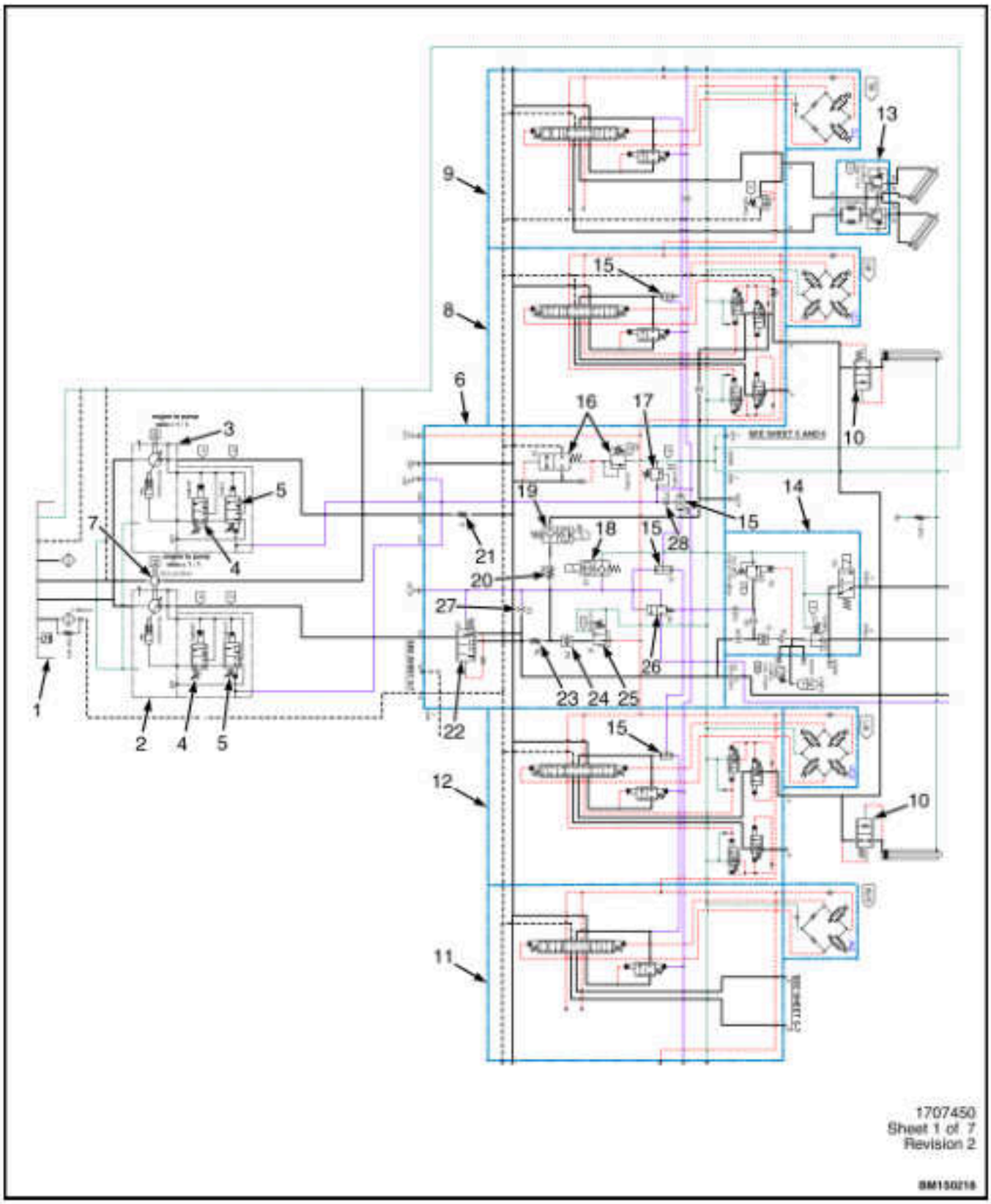
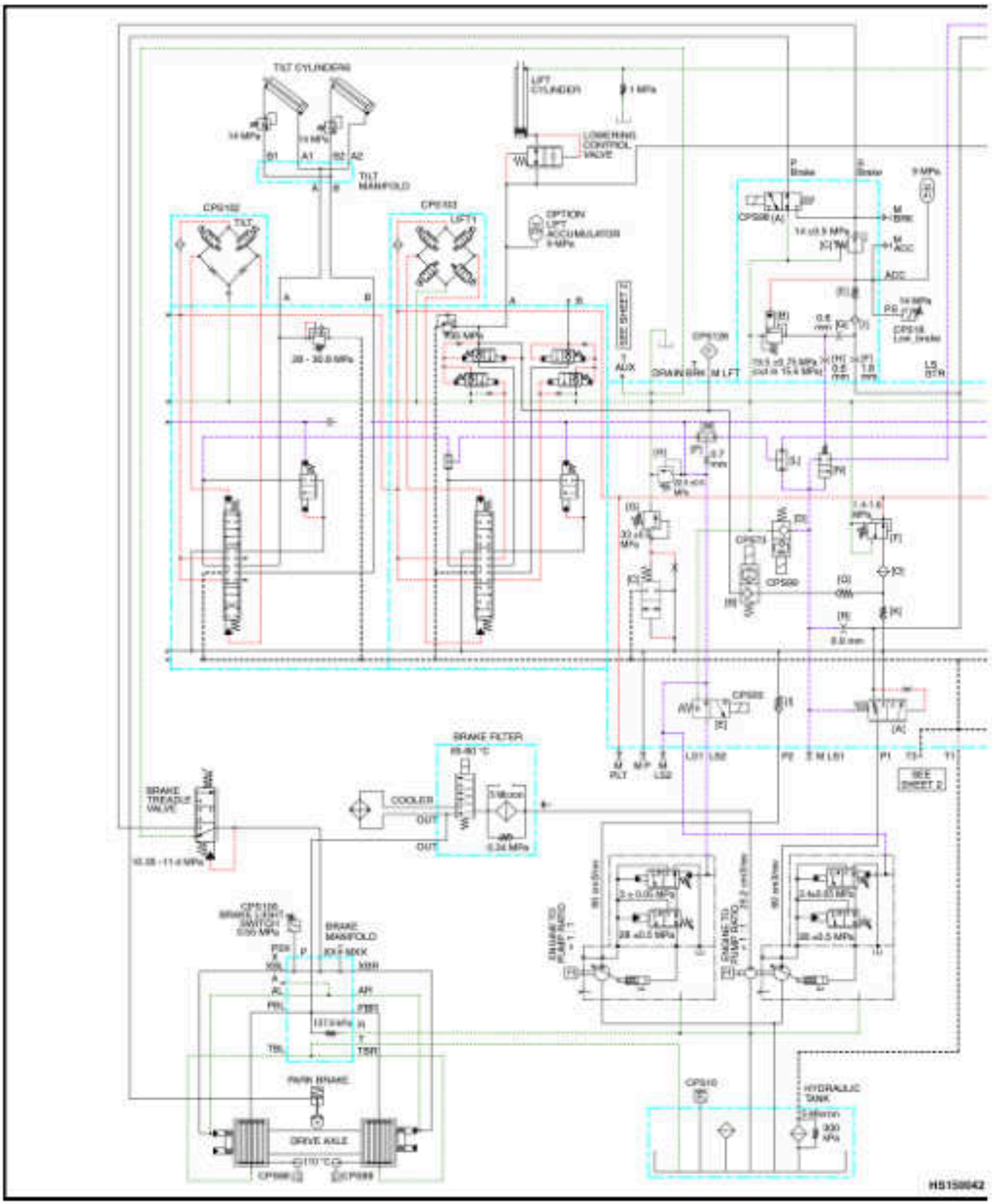



*Figure 16. Hydraulic Component Location, Wet Brakes, Dual Pump Configuration*



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