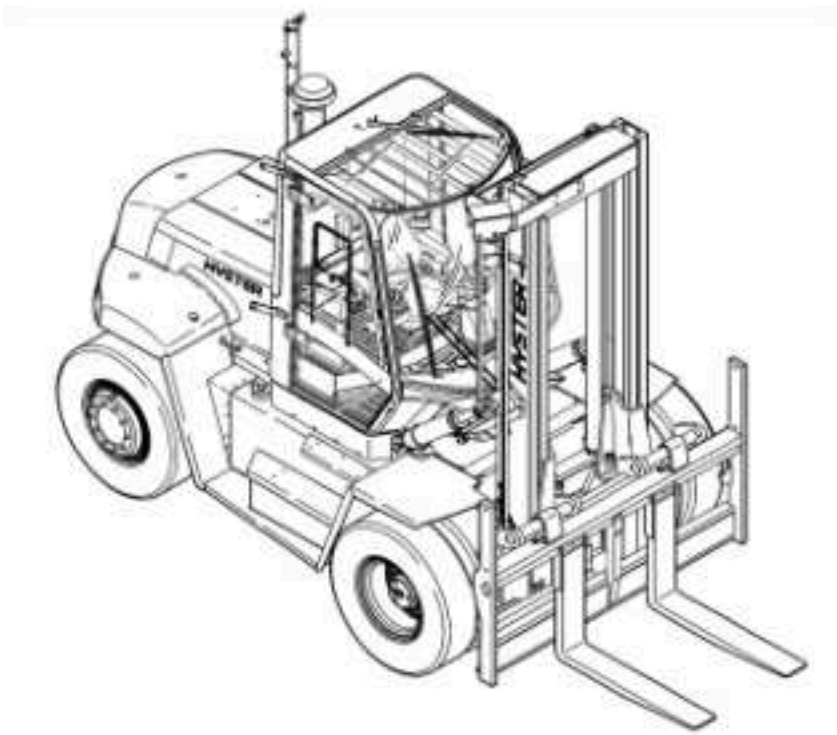
SERVICE MANUAL

F019 (H300-350HD; H360HD-EC)



FORM 1556870-F019 Rev. 08/14

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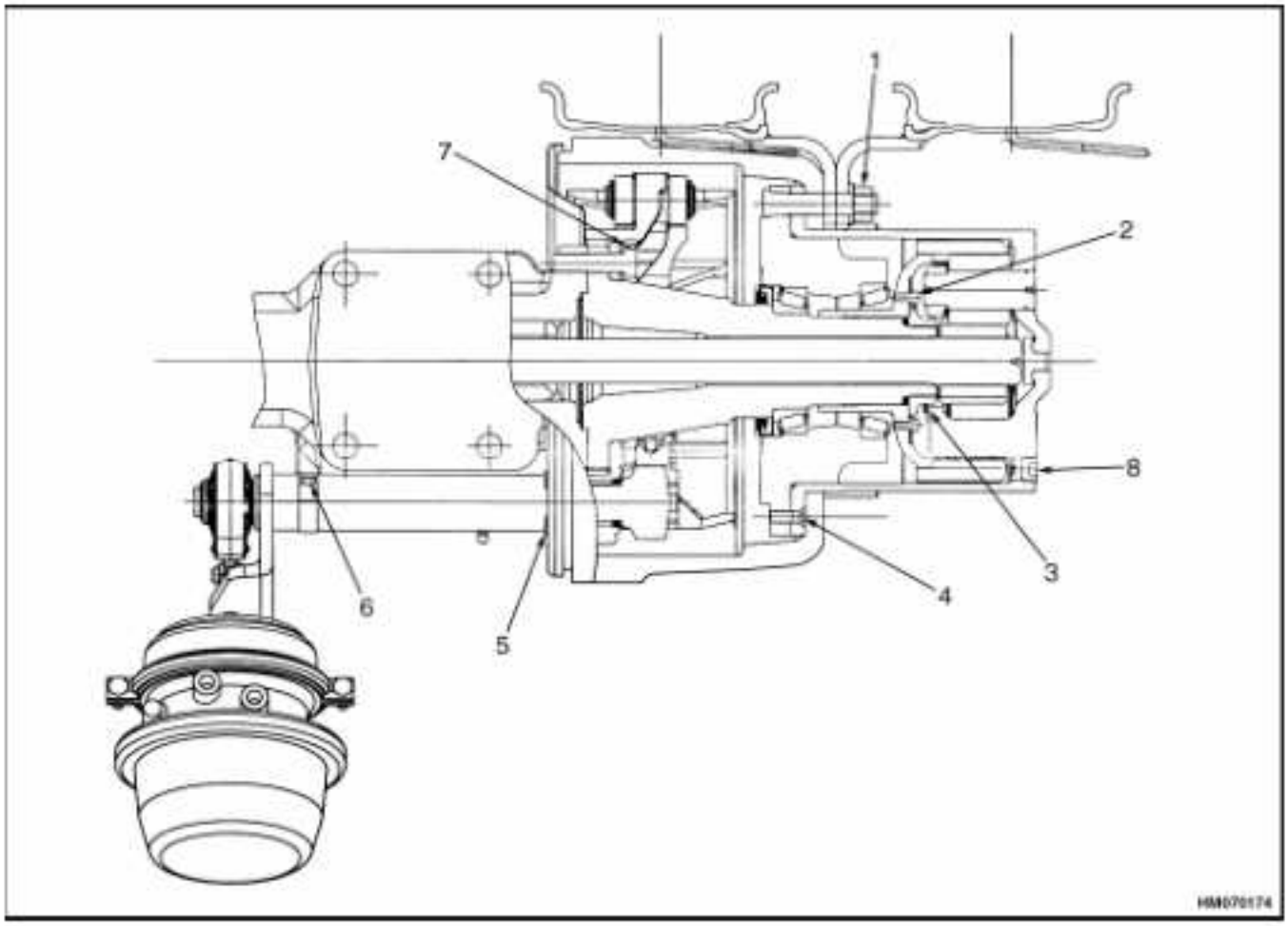
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This section is for the following models:

S3.50-5.50XL (S70-120XL) [D004];
S3.50-5.50XM (S70-120XM) [E004, F004];
E3.50-5.50XL (E70-120XL, E70-120XL$_3$) [C098];
H3.50-5.00XL (H70-110XL) [G005];
H6.00-7.00XL (H135-155XL, H135-155XL$_2$) [F006, G006];
H8.00-16.00XL (H165-360XL) [D019, E007];
H8.00-12.00XM (H170-280HD) [F007, G007, H007];
H13.00-14.00XM (H300-330HD) [E019, F019, G019];
H16.00XM-6 (H360HD) [E019, F019, G019];
H10.00-12.00XM-12EC (H360HD-EC) [E019, F019, G019]
E3.50-5.50XL, E4.50XLS (E70-120Z, E100ZS) [D098/E098]

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Item	Fastener	Torque Value
1	Wheel rim nut	Per OEM specification
2	Lock plate screw	27 to 41 N•m (20 to 30 lbf ft)
3	Wheel bearing adjusting nut	Refer to Adjust Wheel Bearing Preload.
4	Planetary spider to wheel slotted head screw	Hand tighten (no specification)
5	Camshaft bracket to spider	115 to 156 N•m (85 to 115 lbf ft)
6	Camshaft bracket clamp	47 to 68 N•m (35 to 50 lbf ft)
7	Spindle and brake mounting	500 to 650 N•m (370 to 480 lbf ft)
8	Oil fill/drain plug	47 N•m (35 lbf ft)

Figure 21. Wheel End Torque Chart H13.00-14.00XM (H300-330HD), H16.00XM-6 (H360HD), and H10.00XM-12EC (H360HD-EC)

Lubrication Specification

See the **Periodic Maintenance** manual for your lift truck.

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Table 6. Display Warning Codes

DWC	Type	Explanation	Controller's Action	Driver Action	Fault Cause	Troubleshooting
See Figure 40 and Table 2 for the cross referencing of the controller wire to pin numbers.						
t0050	S	There is a problem related to the internal RAM (in CPU).	Controller reverts to a shutdown mode and force neutral 0.	Stop machine and contact maintenance for troubleshooting.	Hardware related fault - related to the internal RAM.	Replace the transmission controller.
t0051	S	There is a problem related to the system RAM (in CPU).	Controller reverts to a shutdown mode and force neutral 0.	Stop machine and contact maintenance for troubleshooting.	Hardware related fault - related to the system RAM.	Replace the transmission controller.
t0052	S	There is a problem related to the external RAM (in CPU).	Controller reverts to a shutdown mode and force neutral 0.	Stop machine and contact maintenance for troubleshooting.	Hardware related fault - related to the external RAM.	Replace the transmission controller.
t0053	S	There is a problem related to the Flash program memory.	Controller reverts to a shutdown mode and force neutral 0.	Stop machine and contact maintenance for troubleshooting.	Hardware related fault - related to the flash program memory.	Replace the transmission controller.
t2060	S	Pressure feedback line is indicating there is no system pressure present, although pressure should be there.	Controller reverts to a shutdown mode and force neutral 0.	Stop machine and contact maintenance for troubleshooting.	The pressure feedback sensor is in the 1500 - 4000 ohm range, while it should be in the 500 - 1500 ohm range.	Check the wiring between the controller and the pressure feedback sensor. Check the pressure feedback sensor (engine running/stopped).
t2061	S	Pressure feedback line is indicating there is system pressure present, although pressure should NOT be there.	Controller reverts to a shutdown mode and force neutral 0.	Stop machine and contact maintenance for troubleshooting.	The pressure feedback sensor is in the 500 - 1500 ohm range, while it should be in the 1500 - 4000 ohm range.	Check the wiring between the controller and the pressure feedback sensor. Check the pressure feedback sensor (engine running/stopped). Check the engine speed sensor signal.

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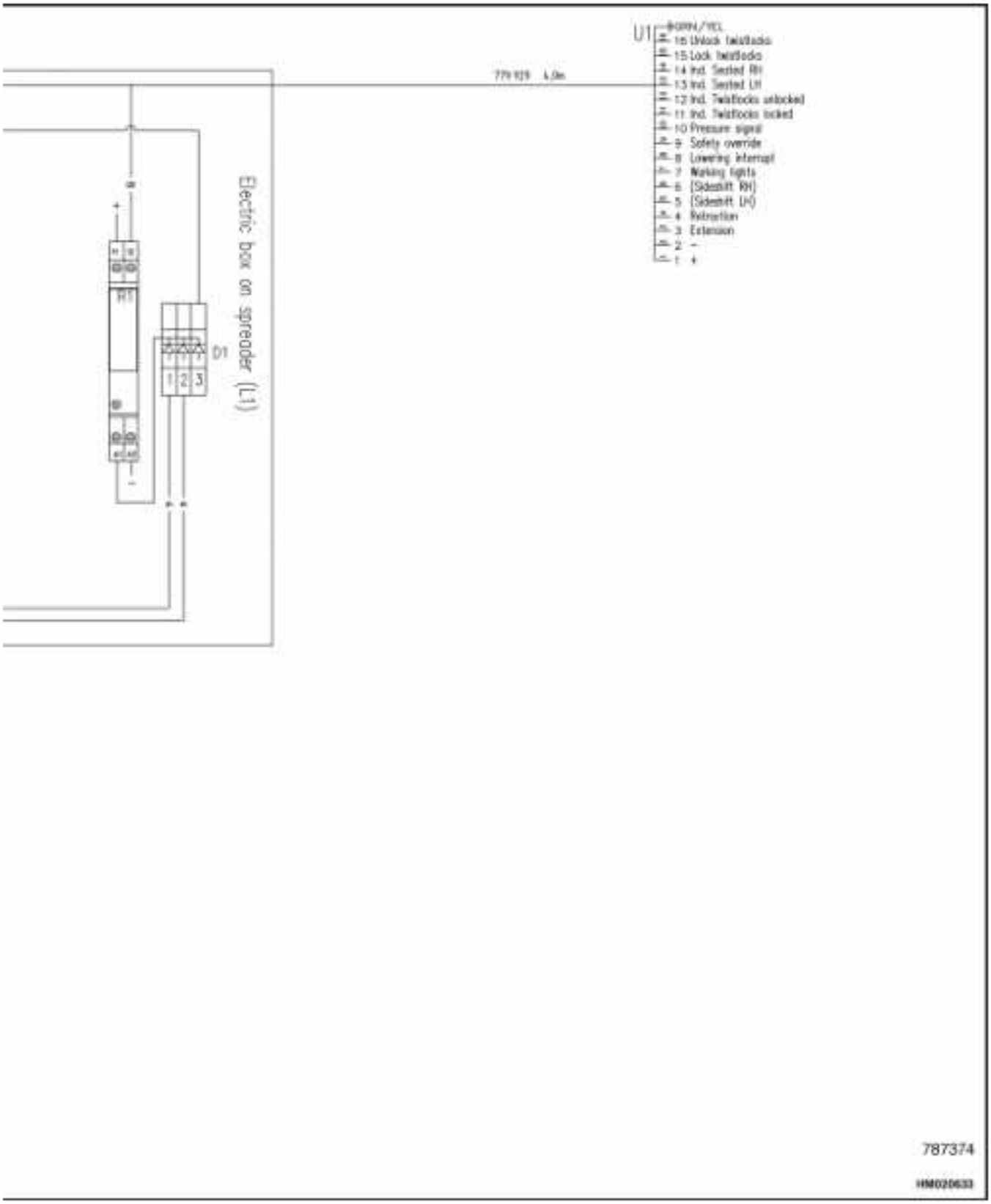


Figure 93. Elme Wiring Diagram 787374

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