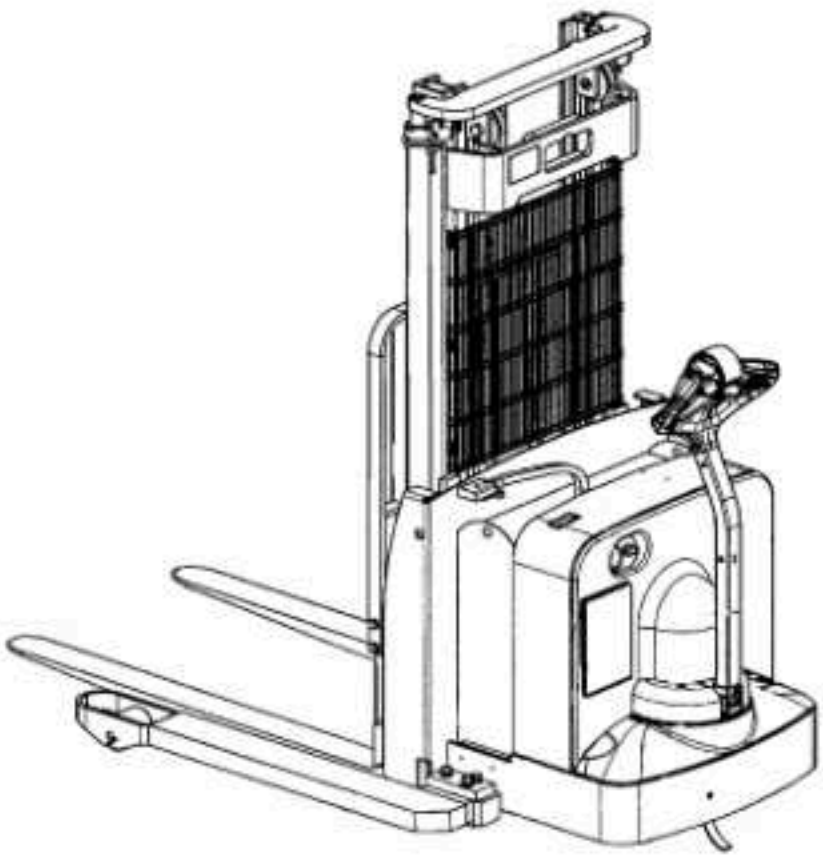
SERVICE MANUAL

W20/25ZA [A495]



Rev. 06/14

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This section is for the following models:

All Electric Lift Trucks

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Hydraulic Schematic

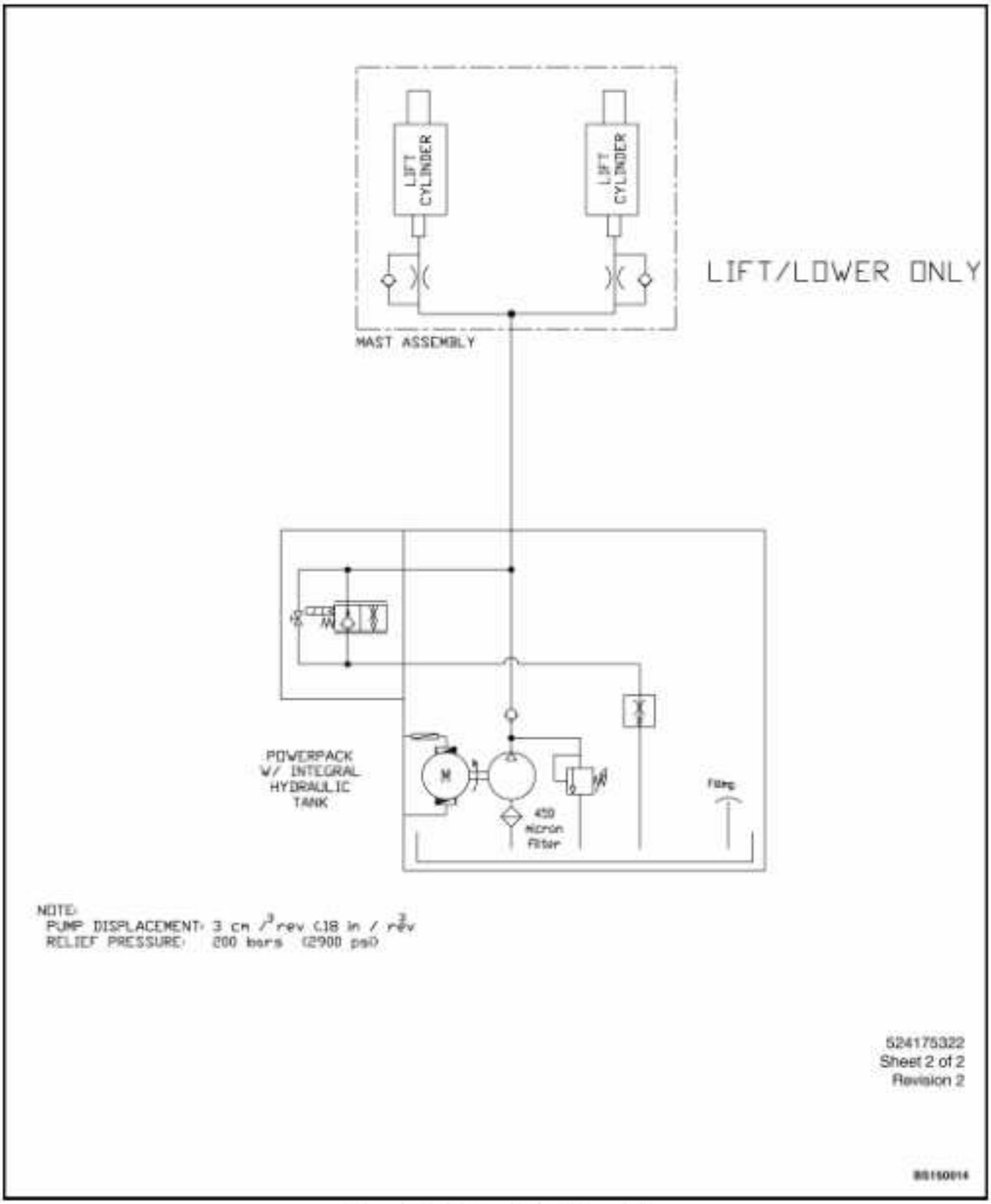


Figure 7. Hydraulic Schematic

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Master Drive Unit Specifications

Gear Ratio	Capacity	Oil Specification	
		Standard	CS/Freezer
42.2:1	189 ml (6.4 oz)	80W-90 Gear Oil (API GL-5)	80W-90 Gear Oil (API GL-5)

Gear Oils

Operating Condition	Standard/CS/Freezer
SAE Grade	80W-90
Type	Multipurpose EP
Base Oil	Conventional Petroleum
MIL-Specification No.	MIL-L-2105C
API Service Classification	GL-5
Anticipated Ambient Temperature	−26 to +38°C (−15 to +100°F) Most **HYSTER** lift truck operations will fall within this temperature range.
Approved Sources	
Chevron	Chevron Universal Gear Lube 80W/90
Exxon	Exxon Gear Oil GX 80W/90
Mobil	Mobilube HD 80W/90
Pennzoil	Pennzoil MP 4092
Phillips 66	Philube SMP Gear Oil 80W/90
Solene Lub. Inc.	Solene Gear Oil #905
Sun	Sunfleet GL-5 Gear Lube 80W/90
Union 76	Unocal MP Gear Lube LS 80W/90
Field Personnel Note: The products listed above are the approved sources that meet or exceed **HYSTER** specifications. The use of products other than that listed above is unauthorized.	

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Troubleshooting

Dash Display	Controller LED	Handset or PC
LCD display Red LED Fault Indicator (Trucks equipped with optional dash display)	Red LED Located at base of motor controller. (Trucks without dash display)	Error codes stored under Main Menu Alarms Message displayed on Handset or PC
		CORRESPONDING SCHEMATIC SHOWING CIRCUITS TO BE CHECKED OR COMPONENTS AFFECTED
CONDITION **TRUCK RESPONSE** **POSSIBLE CAUSES AND TEST PROCEDURES**		**LOGIC** (Brief description of the reason behind truck exhibited malfunction.)

NOTE: General error code information is provided by the Dash Display and Red LED at the base of the controller. In most instances, it will be necessary to use a handset or a PC to further define the possible causes and test procedures.

NOTE: The dash indicator will display the code: EP 107 (or a higher number) for 1 to 2 seconds every time the key switch is turned to the ON position. This code represents the EEPROM software version and DOES NOT INDICATE A FAULT CODE.

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