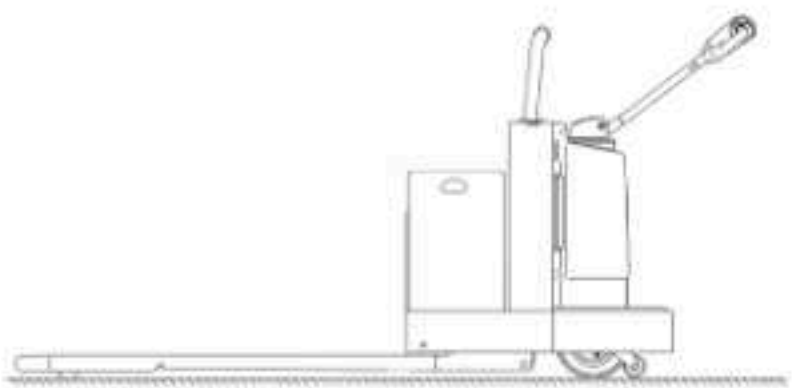
SERVICE MANUAL

A257 (B60ZHD, B80ZHD)



Rev. 03/14

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This section is for the following models:

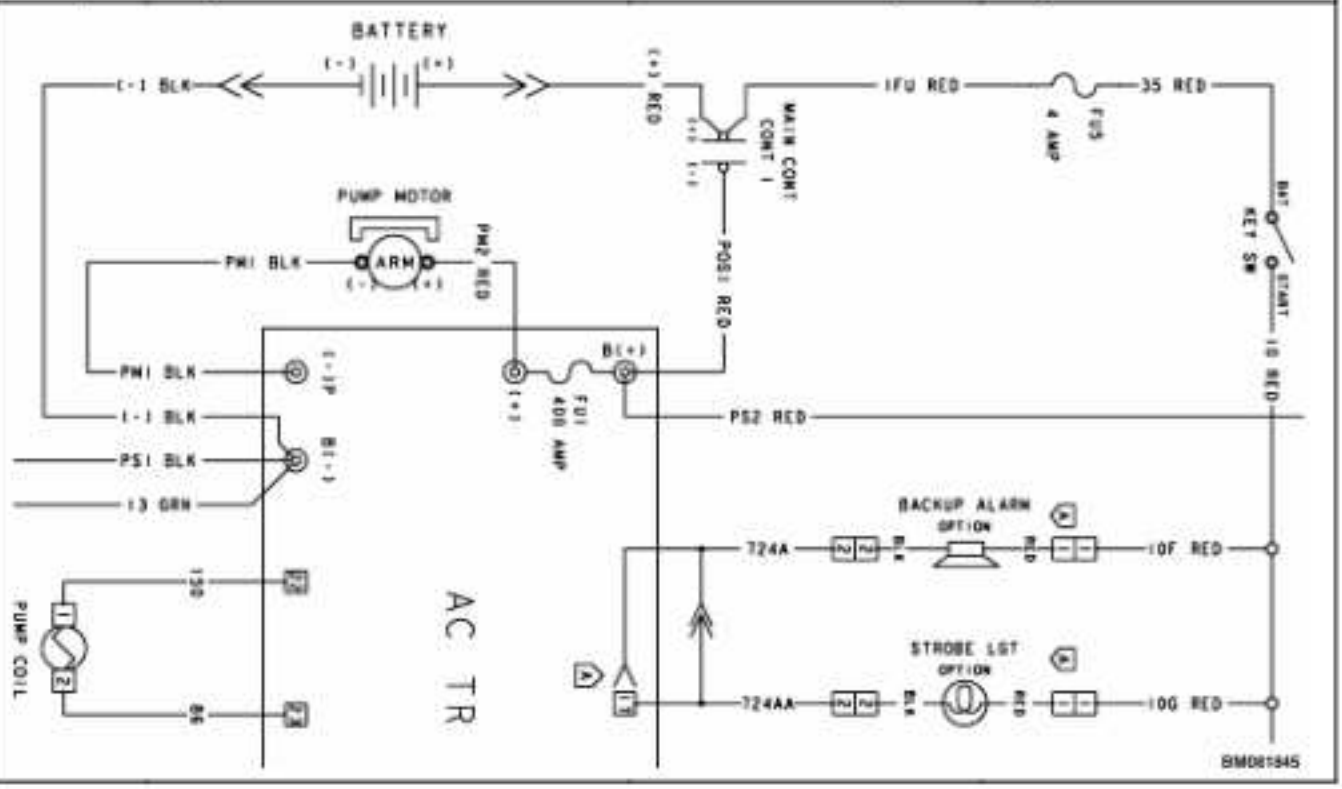
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STATUS CODE	DISPLAY MESSAGE	LED	CIRCUIT
Over-load	Overload or No Displayed Message	Flashing Red or Green LED	Pump
DESCRIPTION		SYMPTOM	
Pump in relief.		Hydraulics will not operate.	

Probable Causes and Test Procedures

1. Verify weight of load does not exceed lift truck capacity on the nameplate. If it does, reduce load weight.
   a. Refer to the section **Capacities and Specifications** 8000 SRM 1454 or **Capacities and Specifications** 8000 SRM 1299.
2. Verify there is no binding in the lifting mechanism.
3. Install a 24.13 MPa (3500 psi) pressure gauge in the lift cylinder line.
   a. Verify the relief pressure is correct:
      - B60Z^{AC} and B60Z^{HD} = 18.96 MPa (2750 psi)
      - B80Z^{AC} and B80Z^{HD} = 23.44 MPa (3400 psi)
4. Adjust relief pressure to correct value. Refer to the section **Walkie Hydraulic Systems** 1900 SRM 964.



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This section is for the following models:

B60Z^{HD} [A262];
B80Z^{HD} [A257];
B60Z^{AC} [B230];
B80Z^{AC} [B233]

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LIFT PUMP AND MOTOR ASSEMBLY

PROBLEM	POSSIBLE CAUSE	PROCEDURE OR ACTION
Low hydraulic pressure.	Pump is worn or damaged.	Repair or install new pump.
	Relief valve needs adjustment.	Replace relief valve.
Hydraulic system relief valve opens frequently.	Excessive load on forks.	Reduce load.
	Lift linkage jammed or sticky.	Repair lift linkage.
	Relief valve needs adjustment, or relief valve is defective.	Replace relief valve.
	Restriction in the pressure side of the hydraulic system.	Remove restriction or install new line.
The pump noise is not normal.	Oil in the hydraulic reservoir is low.	Fill reservoir to correct level. Check for leaks.
	Restriction in the inlet hose.	Remove restriction, clean screen, or install new line.
	Inlet fitting or inlet hose clamp is loose.	Tighten fitting. Install new hoses. Remove air from system.
	The pump bearings or gears are damaged.	Repair or install new pump.
	The pump housing is damaged.	Repair or replace pump housing.
	Loose capscrews holding the pump housing together.	Tighten capscrews to specified torque.
	Loose capscrews in the pump mounting.	Tighten capscrews to specified torque.
	Relief valve is stuck open.	Clean, adjust, or replace the relief valve.

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