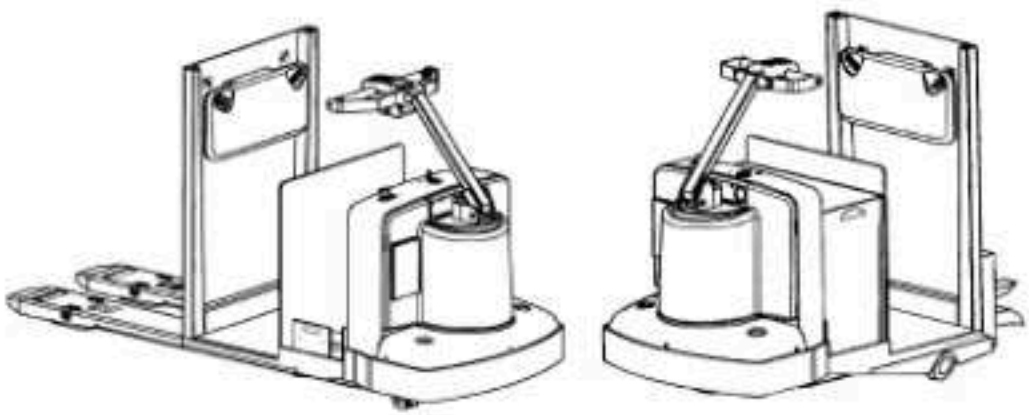
SERVICE MANUAL

B477 (T7ZAC)



FORM 1664889-B477 Rev. 03/14

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TABLE OF CONTENTS

General 1
Lead-Acid Batteries 1
Specific Gravity 2
Chemical Reaction in a Cell 3
Electrical Terms 4
Battery Selection 5
Battery Voltage 6
Battery as a Counterweight 6
Battery Ratings 7
  Kilowatt-Hours 7
Battery Maintenance 7
  Safety Procedures 7
  Maintenance Records 8
  New Battery 8
  Cleaning Battery 8
  Adding Water to Battery 10
  Hydrometer 11
  Battery Temperature 12
  Charging Battery 12
    Types of Battery Charges 13
    Methods of Charging 14
    Troubleshooting Charger 15
    Knowing When Battery Is Fully Charged 15
  Where to Charge Batteries 16
    Equipment Needed 16
  Battery Connectors 16
  Battery Care 16

This section is for the following models:

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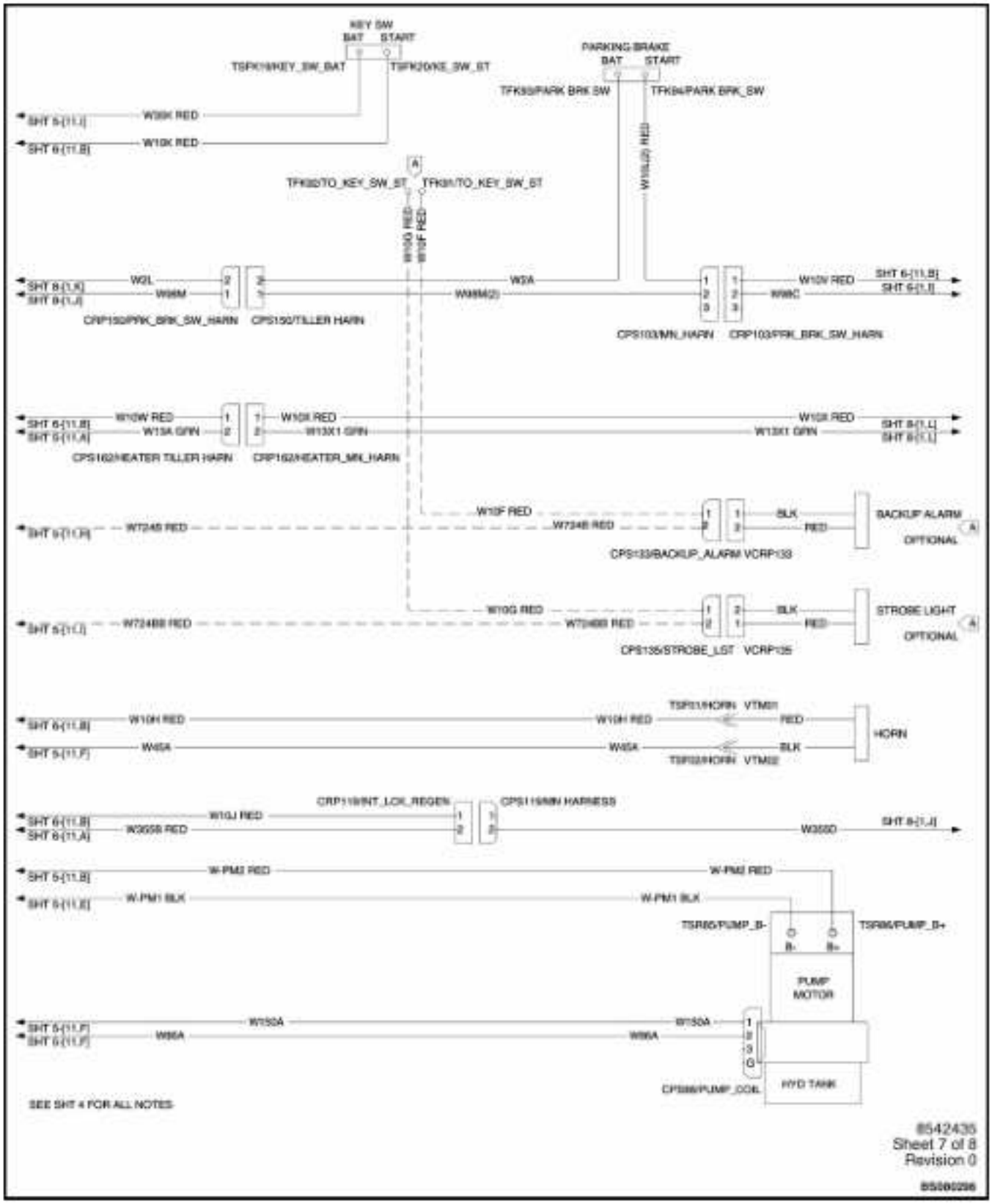


Figure 9. Schematic / Wiring Diagrams (Sheet 7 of 8)

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Table 4. Battery Specifications (C80Z^{AC})

Truck Specifications			Battery Specifications					
Volts	Battery Compartment		Ampere Hours (Max)	Kilo-watt Hours (Max)	Length (Max) mm (in.) "X"	Width (Max) mm (in.) "Y"	Height (Max) mm (in.)	Weight (Max) kg (lbs)
	Width mm (in.)	Length mm (in.)						
24	340 (13.4)	794 (31.25)	375	8.7	673 (26.5)	330 (13.0)	592 (23.3)	374 (825)
24	340 (13.4)	794 (31.25)	425	9.9	663 (26.1)	325 (12.8)	592 (23.3)	392 (865)
24	340 (13.4)	794 (31.25)	450	10.5	785 (30.9)	330 (13.0)	592 (23.3)	448 (987)
24	340 (13.4)	794 (31.25)	510	11.9	785 (30.9)	330 (13.0)	592 (23.3)	469 (1035)
24	340 (13.4)	794 (31.25)	600	14.0	785 (30.9)	330 (13.0)	665 (26.2)	517 (1140)
24	340 (13.4)	794 (31.25)	750	17.6	785 (30.9)	330 (13.0)	787 (31.0)	658 (1450)
The battery retainers must be adjusted except on batteries longer than 693.4 mm (27.3 in.). These models require the retainers to be removed. Accessory bolts are used instead to fasten the battery to the chassis.								

Table 5. Battery Specifications (T5Z^{AC})

Truck Specifications			Battery Specifications					
Volts	Battery Compartment		Am-pere Hours (Max)	Kilo-watt Hours (Max)	Length (Max) mm (in.) "X"	Width (Max) mm (in.) "Y"	Height (Max) mm (in.)	Weight (Max) kg (lbs)
	Width mm (in.)	Length mm (in.)						
24	340 (13.4)	794 (31.25)	225	5.2	650 (25.6)	224 (8.8)	592 (23.3)	243 (536)
24	340 (13.4)	794 (31.25)	225	6.0	648 (25.5)	218 (8.6)	592 (23.3)	268 (590)
24	340 (13.4)	794 (31.25)	375	8.7	673 (26.5)	330 (13.0)	592 (23.3)	374 (825)
24	340 (13.4)	794 (31.25)	425	9.9	663 (26.1)	325 (12.8)	592 (23.3)	392 (865)
24	340 (13.4)	794 (31.25)	450	10.5	785 (30.9)	330 (13.0)	592 (23.3)	448 (987)
24	340 (13.4)	794 (31.25)	510	11.9	785 (30.9)	330 (13.0)	592 (23.3)	469 (1035)
The battery retainers must be adjusted except on batteries longer than 693.4 mm (27.3 in.). These models require the retainers to be removed. Accessory bolts are used instead to fasten the battery to the chassis.								

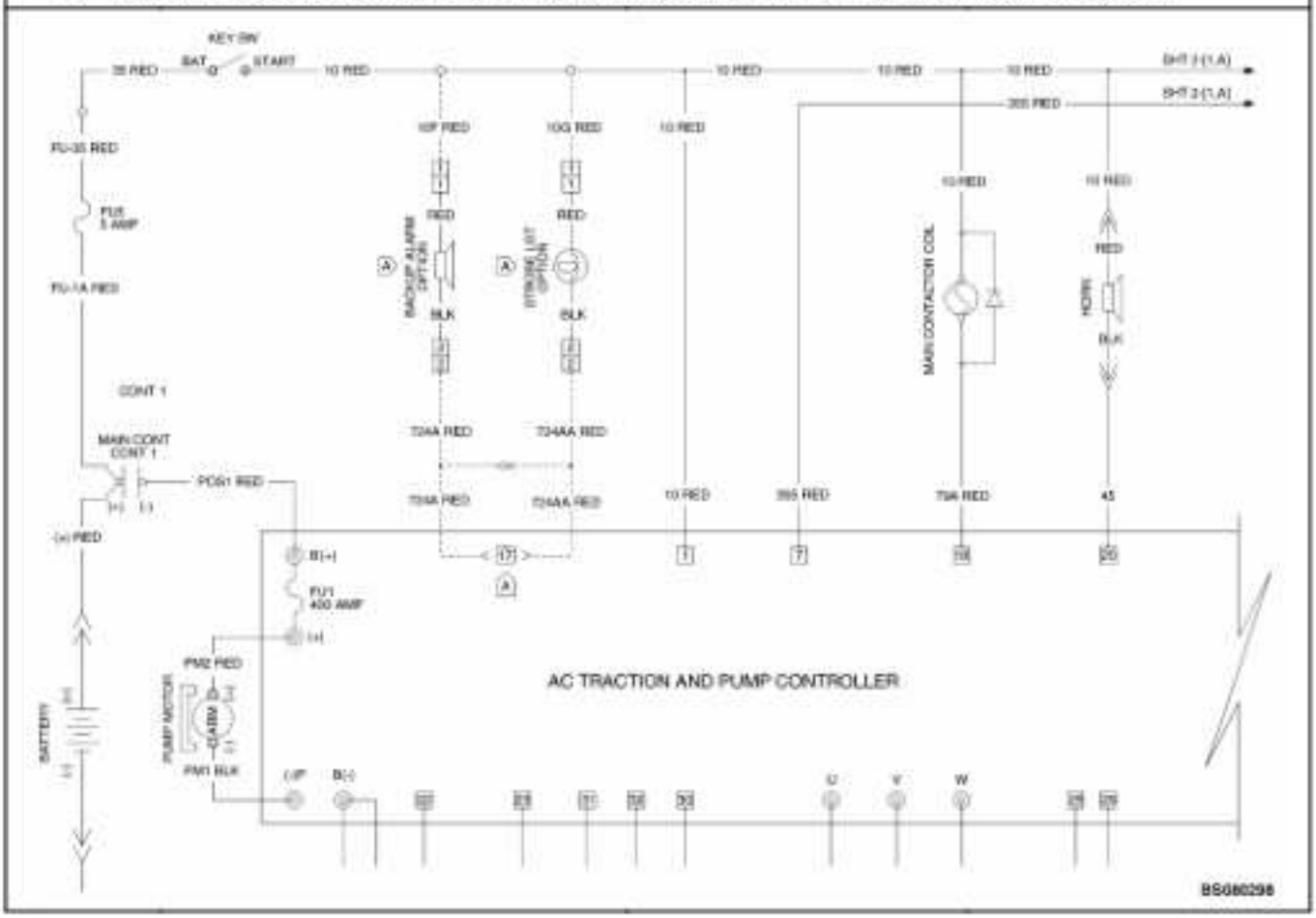
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STATUS CODE	DISPLAY MESSAGE	LED	CIRCUIT
21570	Service Required	Solid Red	Main Contactor

DESCRIPTION	SYMPTOM
Controller has detected an open circuit in the main contactor.	Traction and hydraulic systems will not operate.

Probable Causes and Test Procedures

1. Ensure all wiring connections are secure and tight.
2. Check for battery voltage on wire #10 at the main contactor.
   a. Check continuity of wire #10 between the key switch and the main contactor.
      • Repair any open wiring.
   b. Check for continuity through FU 5.
      • Replace fuse.
3. Check the resistance through the main contactor coil.
   a. The resistance should measure approximately 22 ohms ±10%.
      • Replace the coil.
4. Check continuity of wire #45 from the coil to the controller pin #20. Repair any open wiring.
5. Internal failure of the controller.
   a. Contact Hyster Company Service Engineering through the Contact Management System.



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