SERVICE MANUAL

J30-35-40XMT2 (H160)



FORM 1468296 Rev. 11/03

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SERVICE MANUAL CONTENTS

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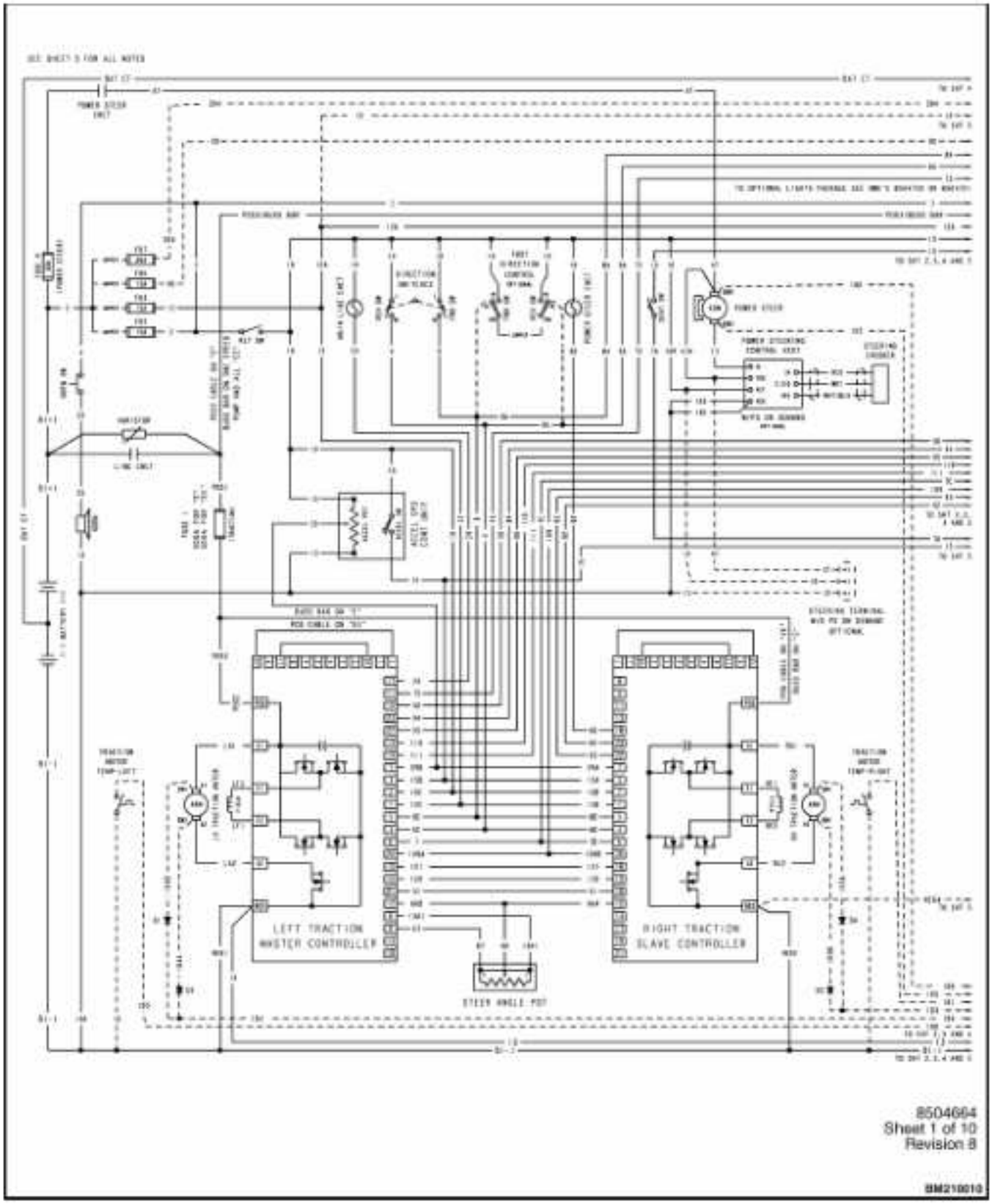


Figure 11. Wiring Schematic-Traction Control

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Battery Size Specifications

TYPE: LEAD ACID BATTERY

Maximum Battery Compartment Size*			Voltage	Maximum Battery Size			Battery Weight	Battery Spacers
Width	Length	Height		Width	Length	Height**	Range	Division
J30XMT2 TRUCK CAPACITY 1361 kg (3000 lb) - WHEEL BASE 1385 mm (54.5 in.)								
990 mm (39.0 in.)	546 mm (21.5 in.)	673 mm (26.5 in.)	48	970 mm (38.2 in.)	531 mm (20.9 in.)	579 mm (22.8 in.)	930 to 1027 kg (2050 to 2265 lb)	2031110
			36	983 mm (38.7 in.)	518 mm (20.4 in.)	579 mm (22.8 in.)	896 to 991 kg (1975 to 2185 lb)	2031110
J35XMT2 TRUCK CAPACITY 1588 kg (3500 lb) - WHEEL BASE 1495 mm (58.9 in.)								
990 mm (39.0 in.)	640 mm (25.2 in.)	673 mm (26.5 in.)	48	980 mm (38.6 in.)	600 mm (23.6 in.)	579 mm (22.8 in.)	1052 to 1186 kg (2320 to 2615 lb)	2014631
			36	983 mm (38.7 in.)	632 mm (24.9 in.)	579 mm (22.8 in.)	1109 to 1227 kg (2445 to 2705 lb)	2014631
J40XMT2 TRUCK CAPACITY 1814 kg (4000 lb) - WHEEL BASE 1495 mm (58.9 in.)								
990 mm (39.0 in.)	640 mm (25.2 in.)	673 mm (26.5 in.)	48	980 mm (38.6 in.)	600 mm (23.6 in.)	579 mm (22.8 in.)	1052 to 1186 kg (2320 to 2615 lb)	2014633
			36	983 mm (38.7 in.)	632 mm (24.9 in.)	579 mm (22.8 in.)	1109 to 1227 kg (2445 to 2705 lb)	2014633

WARNING

The battery must fit the battery compartment so that the battery restraint system will operate correctly. Use the spacers designed by the Hyster Company to prevent the battery from moving more than 13 mm (0.5 in.) in any horizontal direction.

NOTE: Maximum tolerances are ±3 mm (±0.12 in.) for the size of the battery compartment. The battery specification table shows the maximum size tolerances that will permit the battery to still fit into the battery compartment.

*Dimensions are for the battery compartment with the required platform and acid tray installed.

**The battery heights listed in this table are the height of the battery from the bottom of the battery to the top of the cells.

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Status Code Troubleshooting Tables

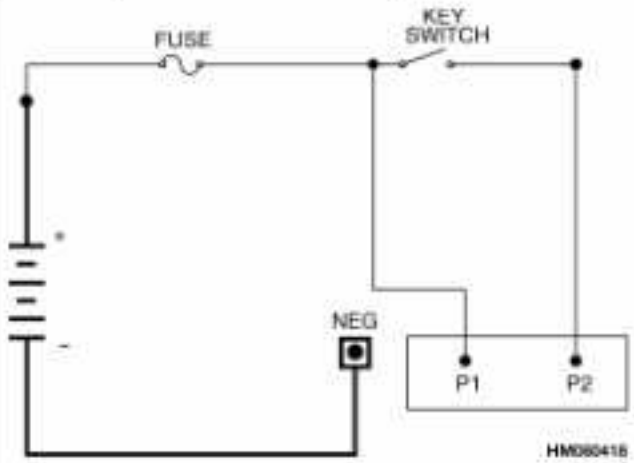
Status Code	Description	Memory Recall	Circuit
NONE	Segments do not illuminate on the instrument panel and/or the handset.	No	Traction and Pump

Symptom

Display screen on instrument panel and/or handset is blank.

Possible Causes and Test Procedures

- Positive or negative controller voltage is not present.
  Ensure key switch is closed and voltage is present between P1 and battery negative (negative standoff). Also, check for voltage between P2 and controller negative (B−).
- Open circuit between controller PY plug and handset.
  Check for an open circuit or loose connection going from PY plug to handset.
- Open circuit between controller P plug and the instrument panel.
  Check for an open circuit or loose connection going from P plug to instrument panel.
- Defective instrument panel or handset.
  Replace instrument panel or handset.



Cause

No input voltage to the controller or the display unit.

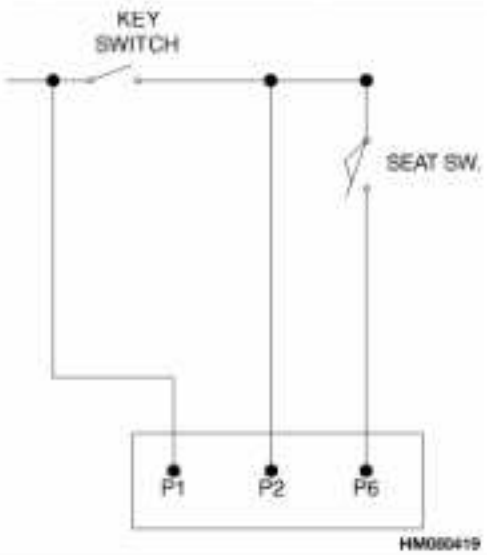
Status Code	Description	Memory Recall	Circuit
-01	No seat switch input.	No	Traction

Symptom

Traction is disabled.

Possible Causes and Test Procedures

- Seat switch defective.
  Check to see that seat switch operates properly. Replace a failed switch.
- Open circuit between battery positive and P6.
  Check for loose connections or broken wires:
  Between seat switch and P6
  Between key switch and battery positive side of seat switch
  Between seat switch and P6



Cause

This status code is displayed when P6 is less than 50 percent of battery voltage.

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