SERVICE MANUAL

E25-35XM, E40XMS (D114)



FORM 897887 Rev. 01/04

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SERVICE MANUAL CONTENTS

Section	SRM Number	Rev Date
FRAME	0100 SRM 0617	07/03
DC MOTOR MAINTENANCE	0620 SRM 0294	08/03
DRIVE AXLE, SPEED REDUCER / DIFFERENTIAL	1400 SRM 0618	06/02
STEERING SYSTEM	1600 SRM 0485	08/03
STEERING CONTROL UNIT (last used s/n D114V2817)	1600 SRM 0512	08/03
STEERING AXLE	1600 SRM 0619	12/03
STEERING CONTROL UNIT (first used s/n D114V2818)	1600 SRM 0720	11/03
BRAKE SYSTEM	1800 SRM 0620	5/96
HYDRAULIC SYSTEM	1900 SRM 0559	11/03
MAIN CONTROL VALVE	2000 SRM 0562	11/03
TILT CYLINDERS	2100 SRM 0103	10/03
INSTRUMENT CLUSTER	2200 SRM 0514	01/04
EV-100ZX SCR MOTOR CONTROLLER-DESCR/REPAIR	2200 SRM 0557	08/03
ELECTRICAL SYSTEM	2200 SRM 0560	11/02
EV-100ZX MOTOR CONTROLLER PARAMETER TABLES	2200 SRM 0624	08/03
EV-100ZX - TROUBLESHOOTING and ADJUSTMENTS	2200 SRM 0947	08/03
INDUSTRIAL BATTERY	2240 SRM 0001	11/03
MAST-DESCRIPTION	4000 SRM 0521	11/03
MAST-REPAIR	4000 SRM 0522	11/03
INCH (SAE) and METRIC FASTENERS	8000 SRM 0231	03/03
PERIODIC MAINTENANCE	8000 SRM 0552	01/04
CAPACITIES and SPECIFICATIONS	8000 SRM 0621	08/03
DIAGRAMS	8000 SRM 0622	08/03

PART NO. 897887
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Legend for Figure 35

* Metric Formulas (All Dimensions are in Millimeters)
Dimension E = (Y + Z + 204) × 0.98
Example: Dimension E = (Y + Z + 204) × 0.98 **Step 1.** Dimension E = (1840 + 135 + 204) × 0.98 **Step 2.** Dimension E = 2179 × 0.98 **Step 3.** Dimension E = 2135

* Inch Formulas (All Dimensions are in Inches)
Dimension E = (Y + Z + 8.0) × 0.98
Example: Dimension E = (Y + Z + 8.0) × 0.98 **Step 1.** Dimension E = (72.4 + 5.3 + 8.0) × 0.98 **Step 2.** Dimension E = 85.7 × 0.98 **Step 3.** Dimension E = 84.0
*All measurements are made with mast vertical and fully lowered.

1. DIMENSION E
2. HOSE
3. VISE
4. TOP OUTER CHANNEL
5. BOTTOM OUTER CHANNEL
6. GROUND LEVEL

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PROBLEM	POSSIBLE CAUSE	PROCEDURE OR ACTION
Slow or difficult steering. (Cont.)	Seal in the steering cylinder has a leak.	Install new seal.
	Steering control unit is worn or has damage.	Repair or install new control unit.
Steering wheel turns the tires in the wrong direction.	The hydraulic lines are not connected correctly at the steering cylinder or at the steering control unit.	Connect lines properly. Remove air from system.
Steering function continues after the steering wheel stops.	The steering control unit was assembled wrong or has damage.	Repair or install new control unit.
There is air in the steering system.	The oil level in the tank is low.	Add hydraulic oil as necessary. Check for leaks.
	Air was not removed after repair to the hydraulic or steering system.	Remove air from system.
	The steering pump has an air leak at the inlet.	Repair system. Remove air from system.
STEERING HOUSING AND STEERING CONTROL UNIT		
The wheels do not move when the steering wheel is turned.	The oil level is low or there is no oil in the tank.	Fill tank to correct level. Check for leaks.
	The steering control unit is damaged.	Repair or install new control unit.
	No oil flow from the steering control unit to the steering cylinder.	Repair or install new components. Check for leaks.
	The sleeve and spool in the control unit will not move.	Install new components.
	Hydraulic hoses not connected or have damage.	Check for leaks. Tighten connections. Install new components as necessary.

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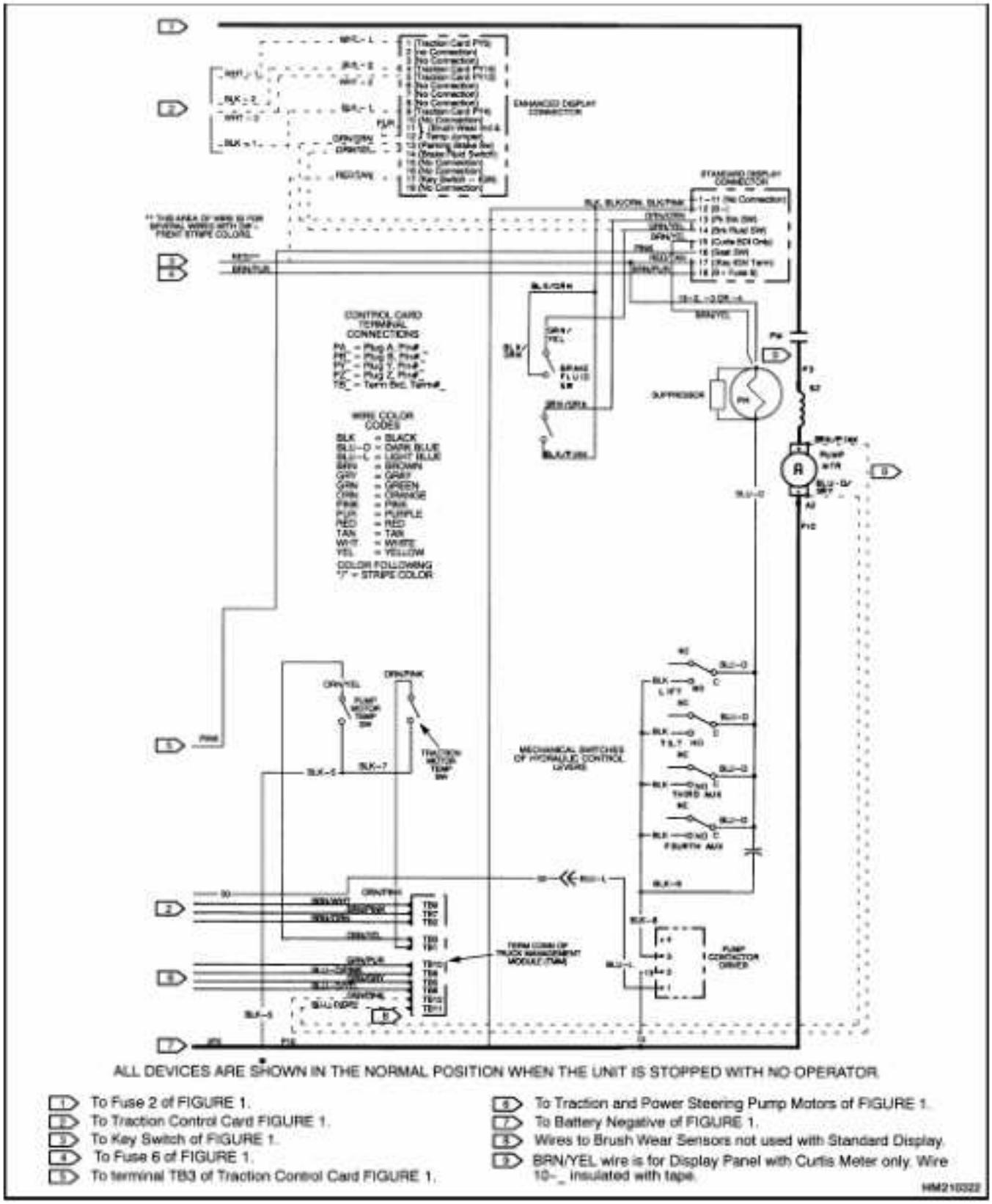


Figure 3. Contactor Control for Lift Pump Motor Schematic Diagram

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