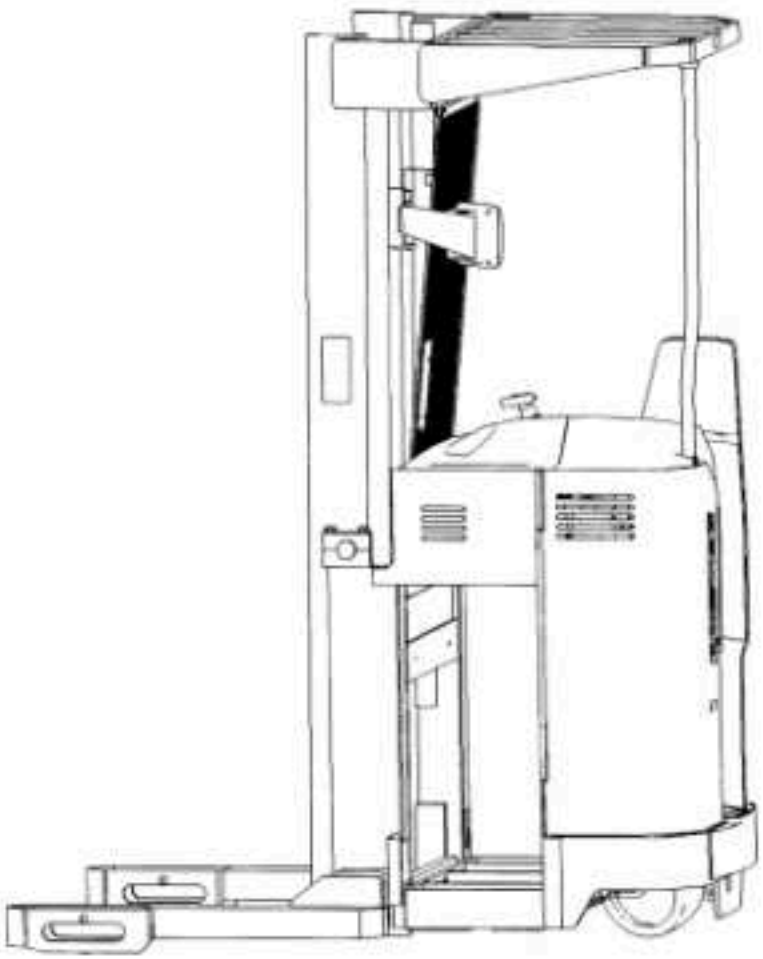
SERVICE MANUAL

G138 (N30XMDR3, N45XMR3)



FORM 1496168-G138 Rev. 03/14

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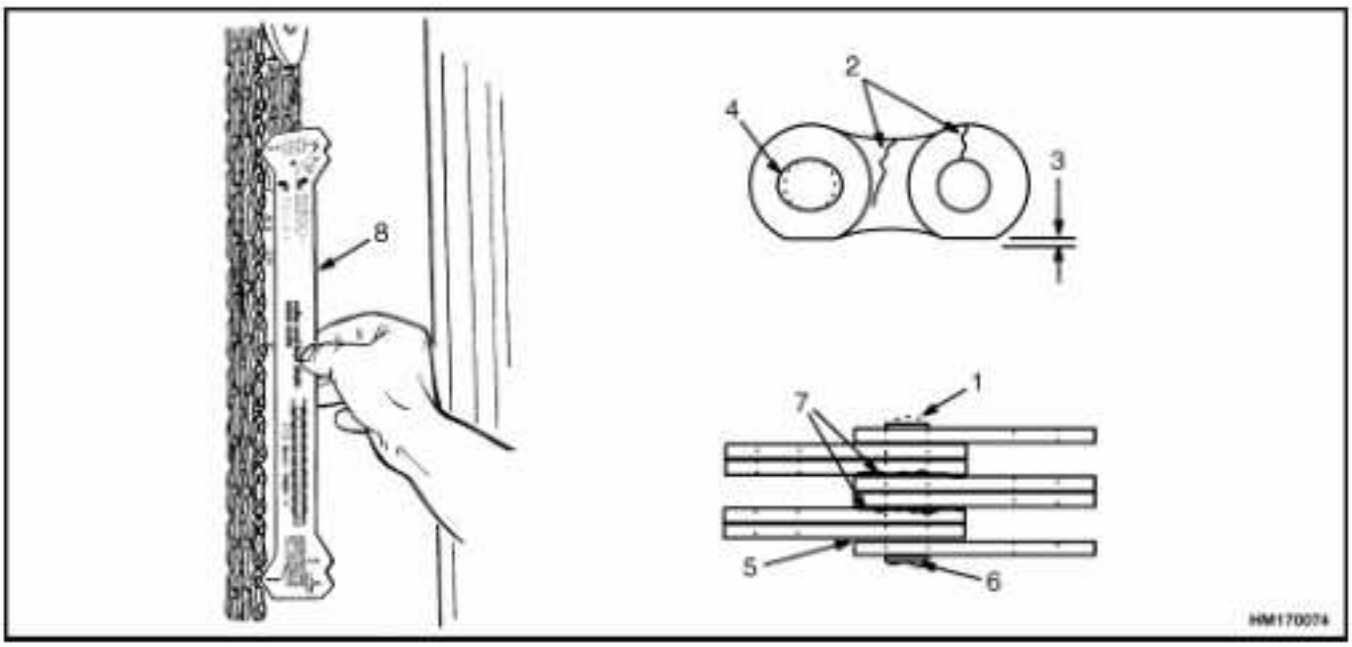
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This section is for the following models:

All Electric Lift Trucks

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Pitch 	Total Length of 20 Links (Pitch) of New Chain	Wear Limit Maximum of 20 Links
25.4 mm (1.00 in.)	508 mm (20.0 in.)	523 mm (20.6 in.)
31.8 mm (1.25 in.)	635 mm (25.0 in.)	654 mm (25.7 in.)
38.1 mm (1.50 in.)	762 mm (30.0 in.)	785 mm (30.9 in.)
44.5 mm (1.75 in.)	889 mm (35.0 in.)	915 mm (36.0 in.)
50.8 mm (2.00 in.)	1016 mm (40.0 in.)	1047 mm (41.2 in.)
NOTE: The instructions for measuring chain wear are shown on the Chain Wear Scale.		

1. WORN PIN
2. CRACKS
3. EDGE WEAR
4. HOLE WEAR
5. LOOSE LEAVES
6. DAMAGED PIN
7. RUST
8. CHAIN WEAR SCALE

Figure 23. Lift Chains Check

Mast Adjustments

GENERAL

Read and follow the Safety Procedures When Working Near Mast as well as all WARNINGS and CAUTIONS.

NOTE: These procedures are for both the two-stage and three-stage mast assemblies. Move the lift truck to an area with a smooth, level floor to make sure the adjustments are accurate.

The mast weldments must be aligned so that they are parallel to each other during operation. Keeping the weldments parallel will have the result of smoother operation and wear.

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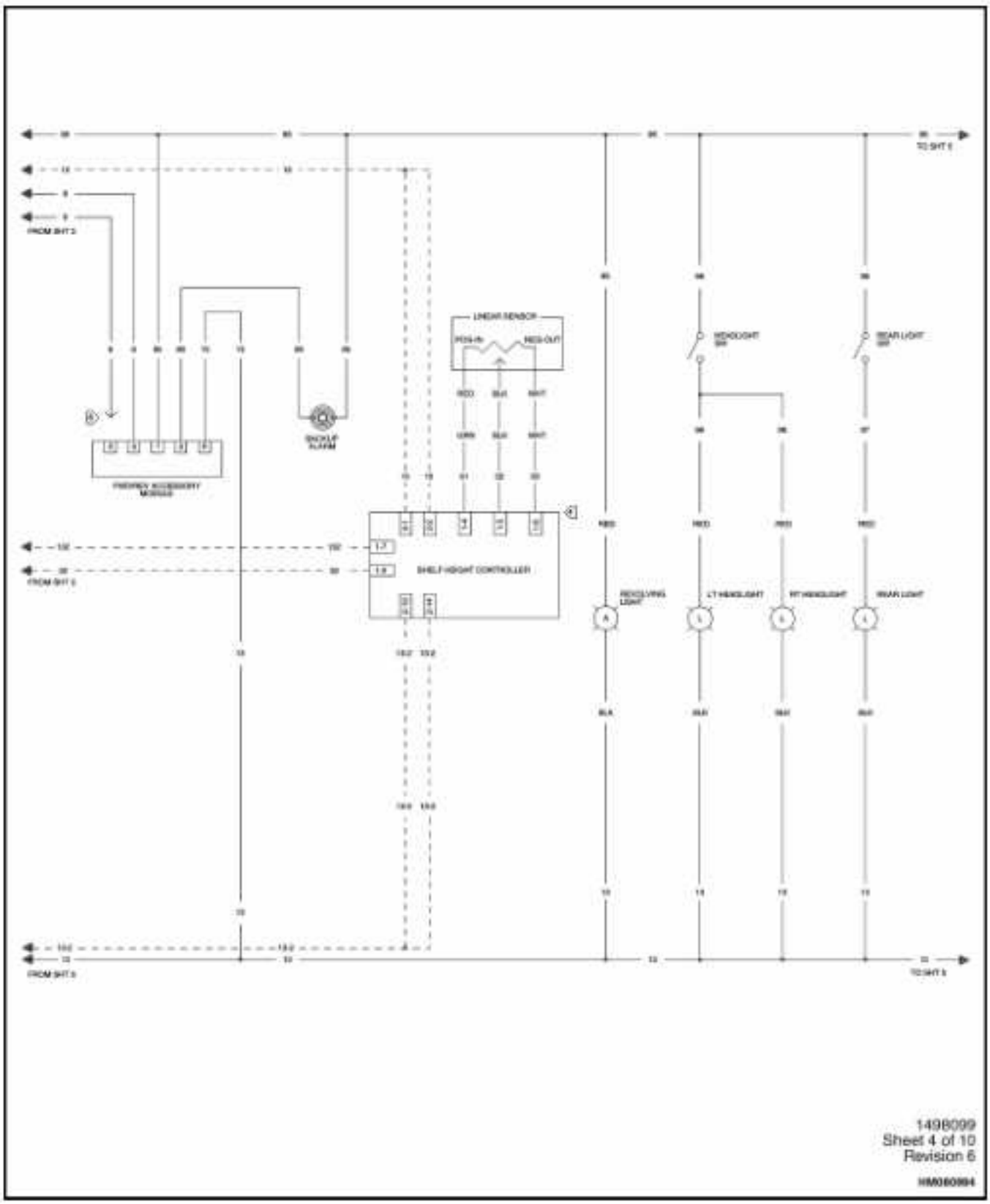


Figure 1. Wiring Schematic (Sheet 4 of 5)

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Table 20. NXMXDR3, NXMXR3 (B264) (Continued)

Function	N45XMXR3 B264 36V default <332	N45XMXR3 B264 36V default >332	N30XMXDR3 B264 36V default <332	N30XMXDR3 B264 36V default >332
Fast retract	130	130	100	100
Tilt down	95	95	95	95
Tilt up	120	120	120	120
Sideshift left and right	95	95	95	95

MIB Status, Warning, and Fault Codes

GENERAL

During normal operation, the left two digits show the STATUS code of the truck and the right two digits show 00. Whenever a truck function is selected, the left two digits are updated to display the selected function.

The two digits on the right side of the display are used to display either a WARNING code or a FAULT code. If neither a WARNING code nor a FAULT code is present, the right two digits continue to display 00. If multiple faults are present, the highest priority FAULT code is displayed. After the highest priority fault is repaired, the next highest priority FAULT code will be displayed.

If a WARNING code and a FAULT code are received at the same time, the left two digits will display the WARNING code, the right two digits will display the FAULT code, and the STATUS code will not be displayed. Always troubleshoot the code shown on the right side of the display first.

Codes are displayed as follows:

- STATUS codes → numbers 01 to 16.
- WARNING codes → numbers 34 to 38.
- FAULT codes → numbers 40 to 85.

NOTE: Not all codes are used on all models.

For example, if an operator tries to use the sideshift and there is an open sideshift solenoid on the mast, the red fault icon on the dash will light and CHECK FAULT CODE, NO SIDESHIFT will be displayed.

To repair the problem, remove the cover for access to the MIB and perform the function (sideshift) which caused the fault to occur. Fault code 43 would be displayed on the right two digits of the MIB when the sideshift function was attempted. The service person would refer to MIB Code 43 on the following pages to diagnose and repair the cause of the problem.

NOTE: The fault code, fault message, and fault icon for most faults are displayed only when the operator attempts to perform the affected function.

TROUBLESHOOTING CHARTS

The sample chart that follows explains the format for the information provided on the following pages. Note that an X in the MIB CODE section represents a placeholder character and can be any number. The priority level is provided to show the relative order codes that would be displayed in the event of more than one simultaneous status, warning, or fault condition.

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