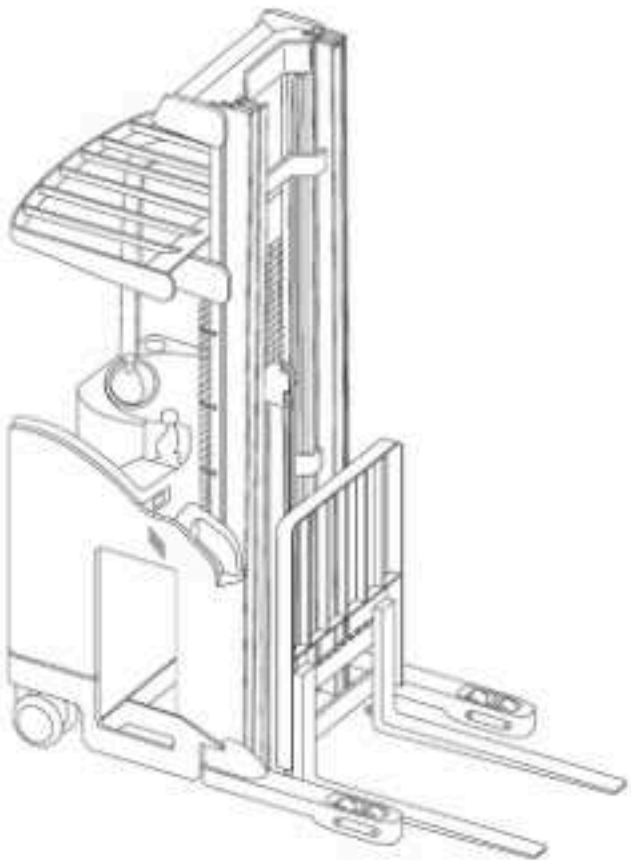
SERVICE MANUAL

A265 (N35-40ZRS, N30ZDRS)



FORM 1652265 Rev. 03/14

MidWestTech | Hyster A265 (N35-40ZRS, N30ZDRS) Reach Truck Service Manual | Public... Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

General 1
Description 1
Lowering Control Valve 2
Main Cylinder Repair 4
Disassemble 4
Assemble 5
Free-Lift Cylinder Repair 6
Disassemble 6
Assemble 6
Troubleshooting 8

This section is for the following models:

N30XMXDR3, N45XMXR3 [B264];
N30XMH, N30XMH$_2$ [C210];
N25XMDR3, N30/40XMR3 [C470];
N50XMA3 [C471];
N30XMDR3, N45XMR3 [G138];
W30-40ZA [B453];
W20-30ZR [B455];
W25-30-40ZC [B454];
V30ZMD [D210/E210];
N35ZDR, N45ZR [C264];
N35ZDR2, N45ZR2 [D264];
N30ZDR, N35-40ZR [D470];
N35-40ZR2, N30ZDR2 [E470];
N30ZDRS, N35-40ZRS [A265];
N35-40ZRS2, N30ZDRS2 [B265];
W25-30ZA$_2$ [B495]

©2013 HYSTER COMPANY

MidWestTech | Hyster A265 (N35-40ZRS, N30ZDRS) Reach Truck Service Manual | Public... Order the manual at mid-west-tech.com >

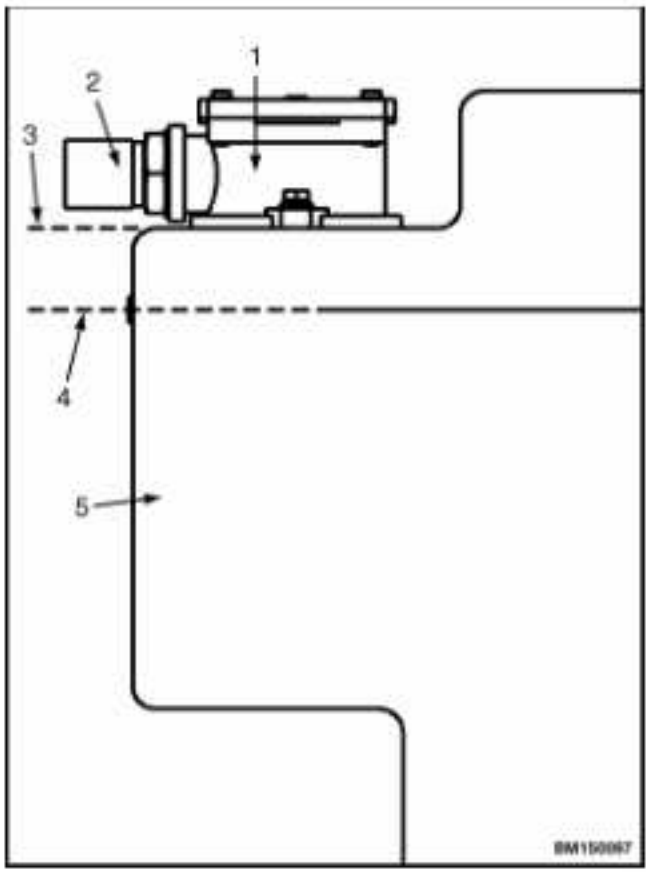
Table 6. Free-Lift Cylinder Rod Widths

Type	Diameter
Displacement	73.00 mm (2.87 in.)
Piston	44.40 mm (1.75 in.)

Fill

NOTE: Refer to **Capacities and Specifications** 8000 SRM 1198 for the proper hydraulic oil selection.

1. Fill the hydraulic tank to the proper level with new hydraulic oil. The hydraulic oil should be filled to the level specified for the battery box compartment of the truck. **DO NOT** overfill the hydraulic tank. See Figure 27.



1. FILTER HOUSING
2. RETURN FITTING
3. FILL LEVEL (EVEN WITH FLANGE) (21.5 INCH BATTERY COMPARTMENT ONLY)
4. FILL LEVEL (40.0 mm (1.6 in.) BELOW FLANGE) (ALL OTHER BATTERY COMPARTMENTS)
5. HYDRAULIC TANK

Figure 27. Hydraulic Oil Level

2. Install the breather cap.
3. Determine the types of main lift cylinder and free-lift cylinders used. See Cylinder Identification.

Main Lift Cylinders

1. Piston-type main lift cylinders do not require bleeding. If your lift truck is equipped with piston-type main lift cylinders, skip to Free-Lift Cylinders.

WARNING

Keep clear of the mast when bleeding the cylinders. Mast parts may shift or lower unexpectedly.

Always wear the proper protective equipment including eye protection and petroleum-resistant gloves when handling hydraulic oil. Thoroughly wash oil from exposed areas of skin as soon as possible.

2. Displacement-type main lift cylinders must be bled:
   a. Engage the battery connectors and turn the key switch to the **ON** position.
   b. Activate the lift function using the operator controls. Continue until the free-lift cylinder rod extends approximately 150 mm (6 in.) to apply pressure to the hydraulic system.
   c. Turn the key switch to the **OFF** position and disconnect the battery connectors.

WARNING

Use a personnel lift or a ladder to access the bleed screws. DO NOT climb on the mast or lift truck.

CAUTION

DO NOT completely remove the bleed screw. Loosen it slowly and gradually.

NOTE: Use a cloth to wipe up foam and oil as it is expelled to minimize spills.

   d. Slightly open the bleed screw of either main lift cylinder by turning it counterclockwise until air and/or foam is expelled. Allow air/foam to bleed until clear hydraulic oil is present. Close the bleed screw and tighten

MidWestTech | Hyster A265 (N35-40ZRS, N30ZDRS) Reach Truck Service Manual | Public... Order the manual at mid-west-tech.com >

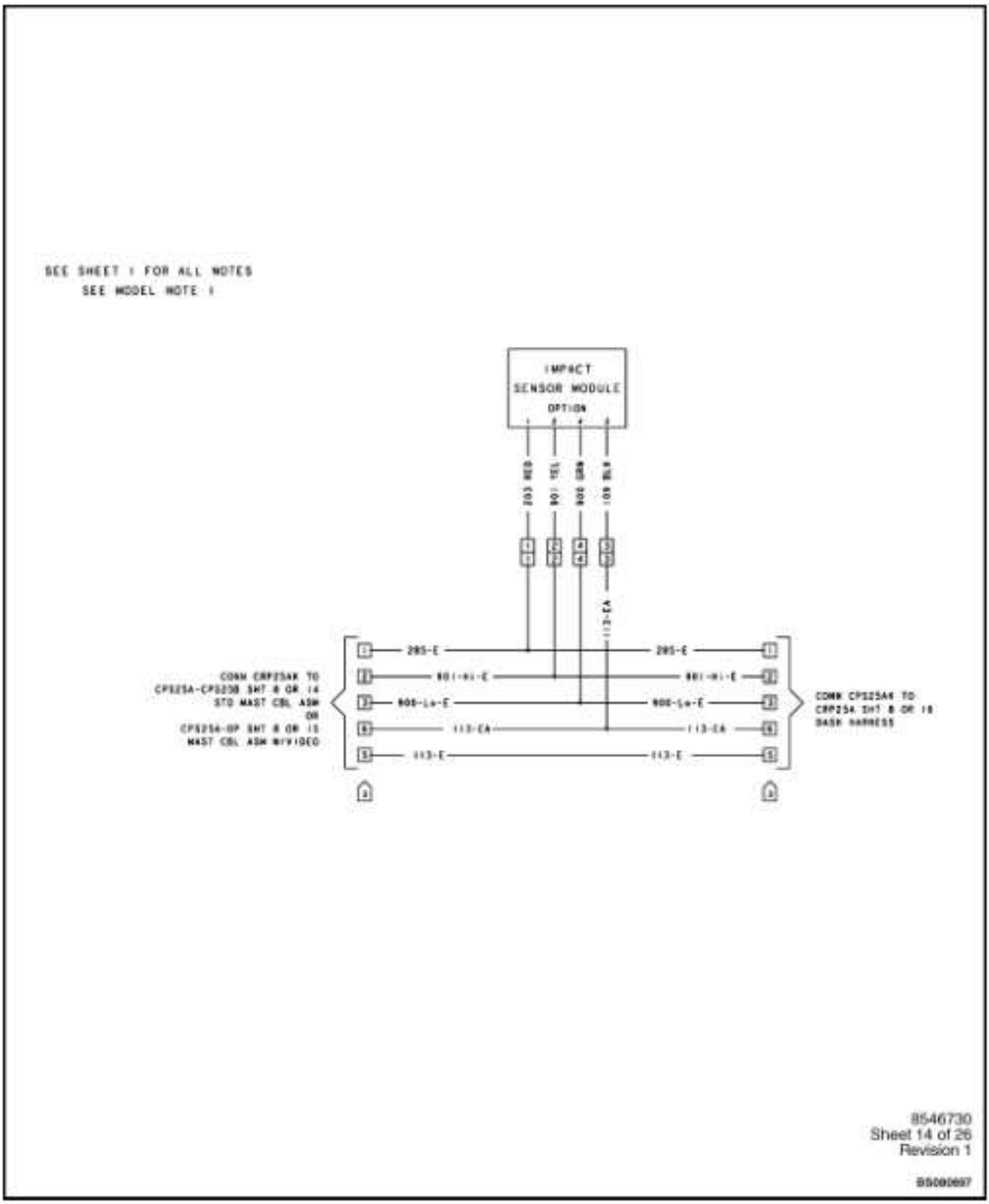


Figure 2. Schematic/Wiring Diagram After October, 2008 (Sheet 14 of 26)

MidWestTech | Hyster A265 (N35-40ZRS, N30ZDRS) Reach Truck Service Manual | Public... Order the manual at mid-west-tech.com >

Troubleshooting

PROBLEM	POSSIBLE CAUSE	PROCEDURE OR ACTION
Low hydraulic pressure.	Manual lowering valve is open or damaged.	Close manual lowering valve or replace valve.
	Relief valve damaged or out of adjustment.	Check relief pressure. Adjust or replace relief valve.
	Pump is worn or damaged.	Repair or install new pump.
Hydraulic system relief valve opens frequently.	Restriction in the system.	Remove restriction or install new line.
	Load beyond capacity.	Handle only loads rated within the working capacity of your model lift truck. See the nameplate.
	Relief valve needs adjustment or relief valve is defective.	Adjust or replace relief valve.
The pump noise is not normal.	Oil in the hydraulic tank is low.	Fill tank to correct level. Check for leaks.
	Restriction in the inlet hose.	Remove restriction or install new line.
	Inlet fitting or inlet hose clamp is loose.	Tighten fitting. Install new hoses. Remove air from system.
	The bearings or gears are damaged.	Repair or install new pump.
	The 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.
	Pump motor is damaged or worn.	Check, repair, or install new parts as required.
The pump has low output.	The pump is worn.	Check, repair, or install new parts as required.
	Seals or gaskets are damaged and cause leaks.	Install new seals or gaskets.
	The fitting at the pump leaks.	Tighten fittings. Install new parts as necessary.

MidWestTech | Hyster A265 (N35-40ZRS, N30ZDRS) Reach Truck Service Manual | Public... Order the manual at mid-west-tech.com >