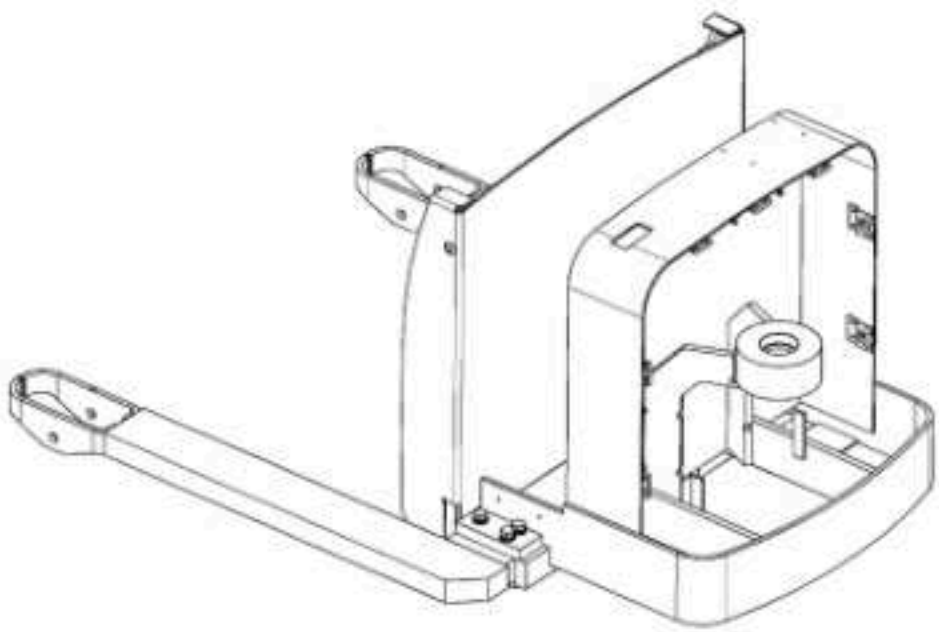
SERVICE MANUAL

W40Z (B218)



FORM 1498697 Rev. 12/03

MidWestTech | Hyster W40Z (B218) Walkie Pallet Truck Service Manual | Publication 1498... Order the manual at mid-west-tech.com >

W40Z (B218)
SERVICE MANUAL CONTENTS

Section	SRM Number	Rev Date
FRAME	0100 SRM 1015	01/03
DC MOTOR MAINTENANCE	0620 SRM 0294	08/03
MASTER DRIVE UNIT	0630 SRM 1003	05/03
STEERING SYSTEM	1600 SRM 1004	05/03
BRAKE SYSTEM	1800 SRM 1005	05/03
HYDRAULIC SYSTEM	1900 SRM 1018	09/03
ZAPI CONTROLLERS (W40Z)	2200 SRM 1006	07/03
ELECTRICAL SYSTEM	2200 SRM 1007	08/03
ZAPI CONTROLLERS (W45Z)	2200 SRM 1067	07/03
INDUSTRIAL BATTERY	2240 SRM 0001	11/03
LIFTING MECHANISM	4000 SRM 1008	01/02
INCH (SAE) AND METRIC FASTENERS	8000 SRM 0231	03/03
PERIODIC MAINTENANCE	8000 SRM 1009	12/03
CAPACITIES AND SPECIFICATIONS	8000 SRM 1010	01/02
DIAGRAMS	8000 SRM 1011	11/02

PART NO. 1498697

Rev. 12/03

MidWestTech | Hyster W40Z (B218) Walkie Pallet Truck Service Manual | Publication 1498... Order the manual at mid-west-tech.com >

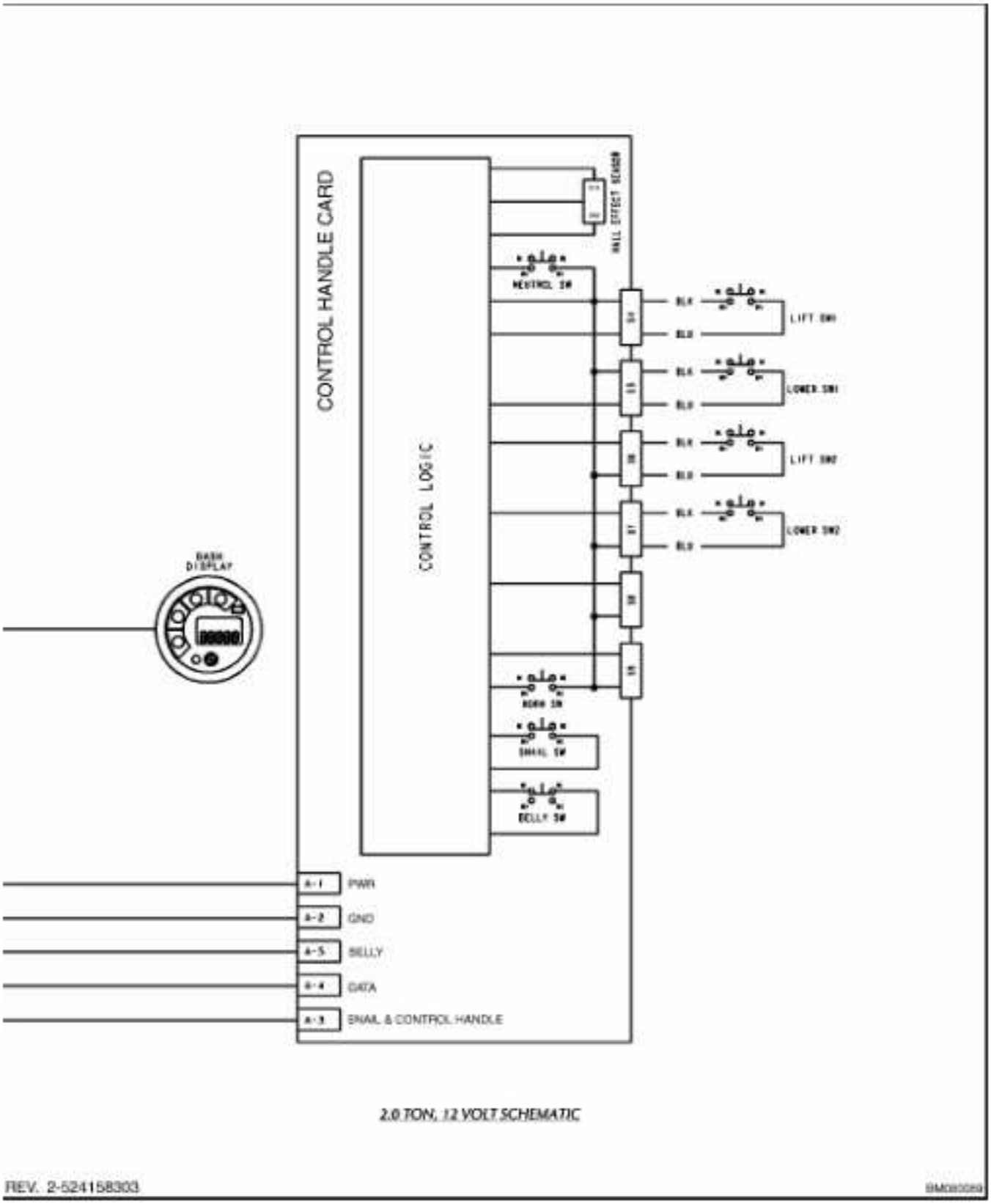


Figure 4. 2.0 Ton, 12 Volt Schematic

MidWestTech | Hyster W40Z (B218) Walkie Pallet Truck Service Manual | Publication 1498... Order the manual at mid-west-tech.com >

Battery Specifications and Adjustments

4000 LB - 24 VOLT

Battery Compartment is shown in Figure 1.

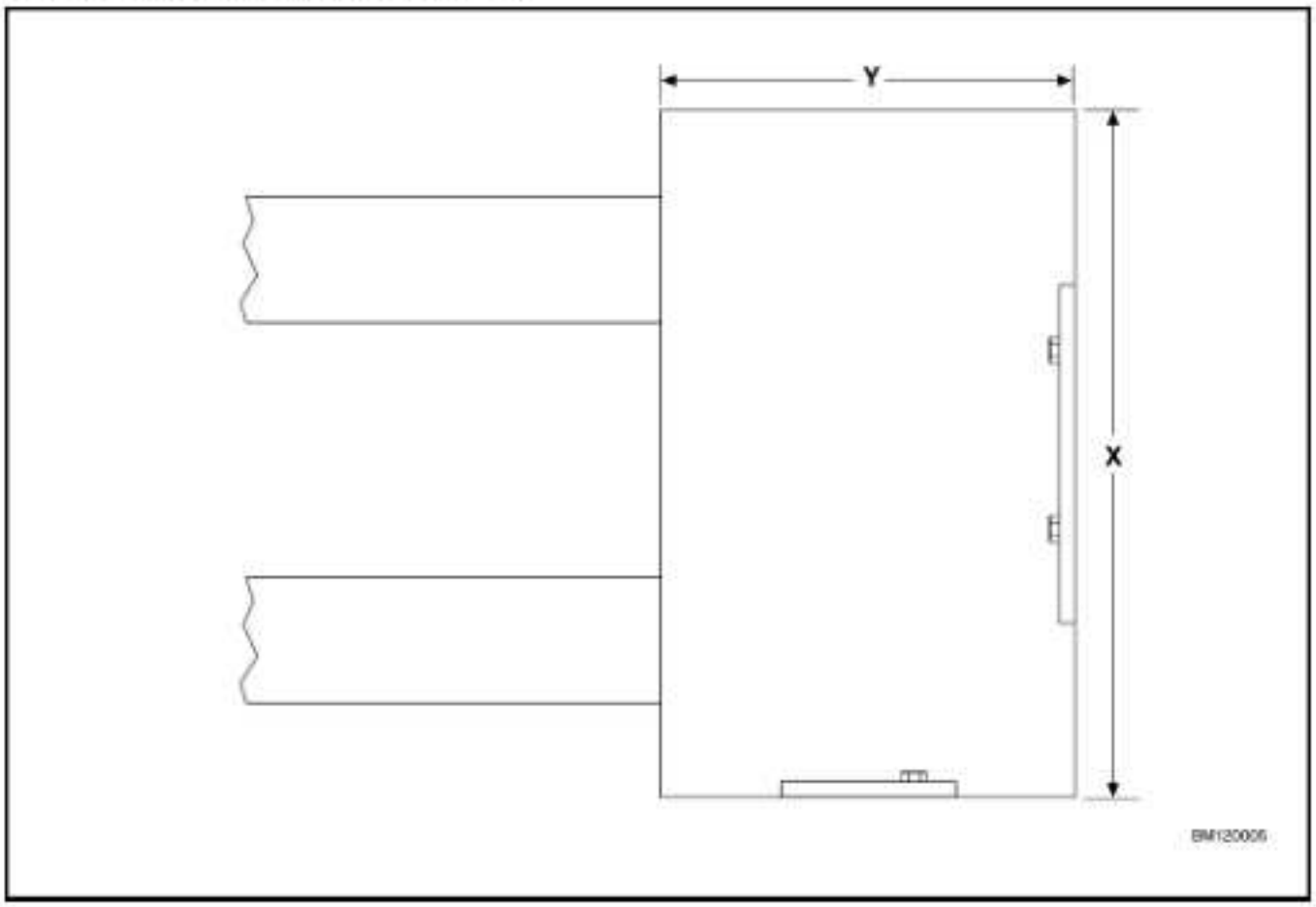


Figure 1. Battery Compartment

Number of Cells	Cell Size	Ampere Hours (Max)	Kilowatt Hours (Max)	Compartment Length (X)	Compartment Width (Y) (Max)	Recommended Height (Max)	Weight (Max)
Standard Battery Pack with 25 amp charger		158	3.8	721.4 mm (28.4 in.)	200.7 mm (7.9 in.)	607 mm (23.9 in.)	141 kg (310 lb)
GNB PalletPro™ Battery Pack with 25 amp charger		195	4.4	693.4 mm (27.3 in.)	190.5 mm (7.5 in.)	670.6 mm (26.4 in.)	170 kg (375 lb)
Industrial Battery, with 12 cells	85	170	4.0	635 mm (25 in.)	167.6 mm (6.6 in.)	591.8 mm (23.3 in.)	183 kg (403 lb)

MidWestTech | Hyster W40Z (B218) Walkie Pallet Truck Service Manual | Publication 1498... Order the manual at mid-west-tech.com >

PROBLEM	POSSIBLE CAUSE	PROCEDURE OR ACTION
Oil leaks from welded portion.	Cylinder tube damaged.	Replace cylinder tube.
Rod spontaneously retracts.	Scores on inner surface of tube.	Smooth surface with an oil stone.
	Score on tube.	Replace cylinder tube.
	Score on piston ring.	Replace piston ring.
	Foreign matter on packing ring.	Replace packing.
	Considerable score on lip of packing ring.	Replace packing.
	Unusual distortion of packing ring.	Replace packing.
Wear limit (clearance between cylinder tube and wear ring).	Excessive clearance between cylinder tube and wear ring.	Replace wear ring (included in packing kit).

HYDRAULIC PUMP

PROBLEM	POSSIBLE CAUSE	PROCEDURE OR ACTION
Pump not delivering oil.	Pump does not draw oil.	Check pump, piping, and valves for leaks.
	Low oil level in reservoir.	Check fluid level.
	Clogged screen at pump inlet.	Change oil and clean screen.
Pump pressure fails to rise.	Improperly adjusted relief valve.	Increase to specified pressure using a pressure gauge.
	Relief valve clogged.	Disassemble and clean with fresh oil.
	Interfering relief valve or broken relief spring.	Disassemble valve and replace spring.
	Air suction.	Check piping on suction side for leaks. Add oil to reservoir. Check pump seals.

MidWestTech | Hyster W40Z (B218) Walkie Pallet Truck Service Manual | Publication 1498... Order the manual at mid-west-tech.com >