

PARTS MANUAL

**H360-36HD, H360-48HD
(A238)**

CUSTOMER EDITION

HYSTER

SECTIONS

1	FRAME
2	ENGINES
3	FUEL SYSTEM
4	ELECTRICAL SYSTEM
5	TRANSMISSION
6	DRIVE AXLE
7	STEERING SYSTEM
8	BRAKE SYSTEM
9	HYDRAULIC SYSTEM
10	MASTS
11	ATTACHMENTS
12	OPTIONS
13	FIELD CONVERSION KITS
14	NUMERICAL INDEX

This Parts Manual is divided into 14 major sections which are listed above. Quick reference to these sections can be made by placing the right thumb on the tab of the desired section, bending the book back and thumbing the pages to the corresponding tab.

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TABLE OF CONTENTS

DESCRIPTION	PAGE
A	
AIR CONDITIONER	
CLIMATE CONTROL CAB	1-62
AIR CONDITIONER ASSEMBLY	
CLOSED CAB WITH AIRCO	1-56
AIR CONDITIONER FILTER AND COVER ASSEMBLY	
CLOSED CAB	1-34
AIR CONDITIONER SYSTEM	
CLIMATE CONTROL CAB	1-60
AIR CONDITIONER SYSTEM ASSEMBLY	
CLOSED CAB WITH AIRCO	1-58
AIR DUCT	
CLOSED CAB WITH AIRCO OR CLIMATE CONTROL	12-12
AIR DUCT ASSEMBLY	
AIR CONDITIONING - CLOSED CAB WITH AIRCO OR WITH CLIMATE CONTROL	1-54
HEATER - CLOSED CAB WITHOUT AIRCO	1-36
AIR INTAKE CONNECTION	3-14
AIR INTAKE MANIFOLD	3-16
AIR INTAKE SYSTEM	3-8
AIR TRANSFER CONNECTION	3-17
ALTERNATOR AND MOUNTING	4-107
ARMREST ASSEMBLY	
OPEN AND CLOSED CAB	1-22
B	
BACK-UP ALARM	4-105
BELT TENSIONER	2-7
BOW-SHACKLES	12-2
BRAKE ACCUMULATOR AND ATTACHING PARTS	8-18
BRAKE HOSES	
PAGE 1 OF 3	8-10
PAGE 2 OF 3	8-11
PAGE 3 OF 3	8-14
BRAKE MANIFOLD AND ATTACHING BRAKE HOSES	8-16
BRAKE PEDAL AND LINKAGE	8-2
BRAKE PEDAL ASSEMBLY	8-8
BRAKE VALVE AND ATTACHING PARTS	8-4
ALTERNATE CONFIGURATION	8-6
C	
CAB	
CLOSED - PAGE 1 OF 2	1-16
CLOSED - PAGE 2 OF 2	1-18
OPEN - PAGE 1 OF 2	1-12
OPEN - PAGE 2 OF 2	1-14
CAB ATTACHING PARTS	
OPEN AND CLOSED CAB	1-20
CAB DOOR	
LEFT HAND - CLOSED CAB	1-44

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
RIGHT HAND - CLOSED CAB	1-42
CAB FLOORMATS	
OPEN AND CLOSED CAB	1-48
CAB HEATER PLUMBING	2-8
CAB MAIN DOOR WINDOW	
RIGHT AND LEFT HAND - CLOSED CAB	1-46
CAB MOUNTING AND TILT	
PAGE 1 OF 2	1-66
PAGE 2 OF 2	1-68
CAB RECIRCULATING FAN	
CLOSED CAB ONLY	12-15
CAB SUNSHADE - REAR	12-20
CAB SUNSHADE - TOP	12-19
CAB TILT CYLINDER	1-70
CAB WINDOWS INSTALLATION	
CLOSED CAB	1-28
CAMSHAFT	2-9
CARRIAGE	
APRON TYPE - WITHOUT FORK POSITIONER	11-22
APRON TYPE - WITH FORK POSITIONER	11-26
STANDARD PIN TYPE - WITHOUT FORK POSITIONER	11-16
STANDARD PIN TYPE - WITH FORK POSITIONER	11-18
CARRIAGE (DUAL FUNCTION SIDE-SHIFT FORK POSITIONER)	
INTEGRATED AND QD HOOK TYPE FORK - 350 MM/13.75 IN. SIDE-SHIFT WITH FIVE-FUNCTION VALVE	11-30
INTEGRATED AND QD HOOK TYPE FORK - 468 MM/18.40 IN. SIDE-SHIFT WITH FIVE-FUNCTION VALVE	11-34
INTEGRATED AND QD HOOK TYPE FORK - 350 MM/13.75 IN. SIDE-SHIFT WITH SEVEN-FUNCTION VALVE	11-38
INTEGRATED AND QD HOOK TYPE FORK - 468 MM/18.40 IN. SIDE-SHIFT WITH SEVEN-FUNCTION VALVE	11-42
CATALYTIC CONVERTER	2-10
CLIMATE CONTROL SYSTEM	1-64
COMPRESSOR AIR INLET	2-11
COMPRESSOR ASSEMBLY	1-76
CONDENSER	
CLOSED CAB WITH AIRCO OR WITH CLIMATE CONTROL	1-52
CONDENSER SYSTEM	
CLOSED CAB WITH AIRCO OR WITH CLIMATE CONTROL	1-50
CONNECTING RODS AND PISTONS	2-12
CONTROL PANEL ASSEMBLY	
HEATER	4-14
HEATER AND AIR CONDITIONER	4-15
CONTROL VALVE	
PAGE 1 OF 4	5-27
PAGE 2 OF 4	5-28
PAGE 3 OF 4	5-30
PAGE 4 OF 4	5-32

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
CONTROLLER	
SEAT BELT SEQUENCER	4-106
CONVERSION KITS	13-2
CONVERTER	5-5
COOLING SYSTEM	2-2
COUNTERWEIGHT	1-10
CRANKCASE BREATHER	2-14
CRANKCASE BREATHER PLUMBING	2-16
CRANKSHAFT AND BEARINGS	2-18
CYLINDER ASSEMBLY	
APRON	11-54
FORK POSITIONER	11-52
SIDE-SHIFT AND FORK POSITIONER - 350 MM/13.75 IN. SIDE-SHIFT	11-46
SIDE-SHIFT AND FORK POSITIONER - 468 MM/18.40 IN. SIDE-SHIFT	11-48
CYLINDER BLOCK	2-20
CYLINDER HEAD	2-22
D	
DASH ASSEMBLY	
CLOSED CAB	1-26
DC-DC CONVERTER AND ATTACHING PARTS	12-22
DIPSTICK AND TUBE	2-24
DIRECTIONAL CONTROL VALVE AND ATTACHING PARTS	
FIVE-SECTION, SEVEN-FUNCTION	11-12
FOUR-SECTION, SIX-FUNCTION	11-10
THREE-SECTION, FIVE-FUNCTION	11-8
TWO-SECTION, FOUR-FUNCTION	11-6
DIRECTIONAL CONTROL VALVE ASSEMBLY	
FIVE-SECTION, SEVEN-FUNCTION	11-14
FOUR-SECTION, SIX-FUNCTION	11-11
THREE-SECTION, FIVE-FUNCTION	11-9
TWO-SECTION, FOUR-FUNCTION	11-7
DRAIN PLUG, FUEL PUMP	3-18
DRIVE AXLE ASSEMBLY	
BRAKE	6-6
DIFFERENTIAL AND CARRIER	6-16
HUB	6-10
PARK BRAKE	6-14
PARK BRAKE RETAINER	6-12
PLANETARY GEAR DRIVE	6-8
DRIVE AXLE ATTACHING PARTS	6-4
DRIVE TIRE AND WHEEL	
TUBED PNEUMATIC	6-3
TUBELESS PNEUMATIC	6-2
DRIVE TRAIN	5-6
E	
ELECTRIC HORN	
OPEN AND CLOSED CAB	4-10

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
ELECTRICAL SYSTEM	4-4
EMPTY SEAT ENGINE SHUTDOWN	12-4
ENGINE ATTACHING PARTS	2-6
ENGINE BLOCK HEATER	
120 VOLT	12-24
240 VOLT	12-25
ENGINE CONNECTION	5-9
ENGINE CONTROL MODULE	4-108
ENGINE COOLANT VENT	2-25
ENGINE MOUNTS	2-5
ENGINE OIL COOLER	2-26
ETR CONTROL MODULE WIRE HARNESS	4-110
EXHAUST OUTLET ELBOW	2-27
EXHAUST RECIRCULATION	2-28
EXHAUST RECIRCULATION AIR PLUMBING	2-29
EXHAUST RECIRCULATION WATER PLUMBING	2-30
EXHAUST SYSTEM	2-4
EXTERIOR MIRRORS	12-3
F	
FAN DRIVE	2-31
FIRST SPEED CLUTCH ASSEMBLY	5-16
FLOORPLATES	
PAGE 1 OF 2	1-4
PAGE 2 OF 2	1-6
FLYWHEEL AND MOUNTING	2-32
FLYWHEEL HOUSING	2-34
FORK CARRIER	
FOR DUAL FUNCTION SIDE-SHIFT FORK POSITIONER CARRIAGES WITH QUICK DISCONNECT	
HOOK TYPE FORKS	11-50
FORKS	
HOOK TYPE - DUAL FUNCTION SIDE-SHIFT FORK POSITIONER CARRIAGE ONLY	11-3
INTEGRATED - DUAL FUNCTION SIDE-SHIFT FORK POSITIONER CARRIAGE ONLY	11-4
PIN TYPE	11-2
FORWARD CLUTCH ASSEMBLY	5-22
FRONT GEAR COVER	2-36
FUEL DRAIN PLUMBING	3-19
FUEL FILTER	
→ S/N A238E01507M	3-20
S/N A238E01508M →	3-22
FUEL FILTER MOUNTING	3-24
FUEL FILTER PLUMBING	3-25
FUEL FILTER WITH WATER SEPARATOR	3-23
FUEL INJECTOR PLUMBING	3-28
FUEL INJECTORS	3-27
FUEL INLET FITTING	3-26
FUEL LINES	3-12
FUEL PUMP	3-30
FUEL SUPPLY PLUMBING	3-31

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
FUEL TANK	3-10
G	
GEAR DRIVEN PUMP DRIVE	2-37
H	
HAND PUMP	1-72
HEADER HOSES	
FOUR, FIVE, SIX, AND SEVEN FUNCTION	10-14
THREE FUNCTION	10-12
HEATED TOP WINDOW	
CLOSED CAB ONLY	12-17
HEATER AND AIR DUCT	
CLOSED CAB WITHOUT AIRCO	1-35
HEATER AND CONTROL PANEL ASSEMBLIES	1-103
HEATER ASSEMBLY	
CLOSED CAB WITHOUT AIRCO	1-38
HEATER HOSES AND AIR CONDITIONER HOSES	1-74
HEATER SYSTEM	
CLOSED CAB WITHOUT AIRCO	1-40
HOODS AND COVERS	1-8
HYDRAULIC CONTROL VALVE	
AUXILIARY SECTION	9-36
HIC, BRAKE/ACCUMULATOR	9-37
HIC, MID-INLET	9-40
LIFT SECTION, LH	9-32
LIFT SECTION, RH	9-34
TILT SECTION	9-38
HYDRAULIC CONTROL VALVE AND ATTACHING PARTS	
PAGE 1 OF 2	9-26
PAGE 2 OF 2	9-28
HYDRAULIC CONTROL VALVE ASSEMBLY	9-30
HYDRAULIC CONTROLS	
JOYSTICK	9-14
HYDRAULIC LEVERS	
FOUR-LEVER CONTROL PANEL - WITH CLAMPING	9-20
FOUR-LEVER CONTROL PANEL - WITHOUT CLAMPING	9-21
THREE-LEVER CONTROL PANEL	9-19
TWO-LEVER CONTROL PANEL	9-18
HYDRAULIC PUMPS AND ATTACHING PARTS	9-24
HYDRAULIC SUPPLY AND RETURN	
PAGE 1 OF 3 - WITH LIFT ACCUMULATOR OPTION	9-2
PAGE 1 OF 3 - WITHOUT LIFT ACCUMULATOR OPTION	9-4
PAGE 2 OF 3 - THREE-FUNCTION OPTION	9-5
PAGE 2 OF 3 - FOUR, FIVE, AND SIX-FUNCTION OPTIONS	9-6
PAGE 3 OF 3	9-8
HYDRAULIC TANK AND ATTACHING PARTS	9-22
I	
INDICATOR DISPLAY AND CONTROLS	4-12

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
INNER MAST	10-6
INPUT FLANGE	5-26
INSULATION MATS AND AIR DUCT	
CLOSED CAB WITH AIRCO OR CLIMATE CONTROL	12-10
J	
JOYSTICK ASSEMBLY	9-16
L	
LABELS	
HYDRAULIC CONTROLS	1-78
PAGE 1 OF 3	1-80
PAGE 2 OF 3	1-82
PAGE 3 OF 3	1-84
LIFT CYLINDER ASSEMBLY	10-10
LIFTING EYES	2-38
LIGHT SWITCHES	4-104
LIGHTS	
DRIVE AND REAR	4-94
FRONT FENDER	4-96
MAST WORK	4-98
STROBE - WITH CONDENSER	4-100
STROBE - WITHOUT CONDENSER	4-101
TAIL	4-102
TURN SIGNAL AND SIDE	4-103
M	
MAP READING LIGHT	
CLOSED CAB ONLY	12-5
MAST INSTALLATION	10-2
MONOTROL PEDAL ASSEMBLY	3-4
MUDFLAPS	12-23
O	
OIL DIPSTICK	5-15
OIL FILTER	2-39
OIL PAN	2-40
OIL PUMP	2-41
OPTIONAL MOUNTING EQUIPMENT (HANDLE)	12-18
OUTER MAST	10-4
P	
PARK BRAKE KITS	13-2
PIVOT ARM ASSEMBLY	
OPEN AND CLOSED CAB	1-24
PLUG, COOLANT HEATER STARTING AID	2-42
POWER TAKE-OFF	5-8
PRESSURE FILTER	5-13
PRESSURE OIL PUMP	5-7
PRESSURE REGULATOR	5-33

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
R	
RADIATOR ASSEMBLY	2-44
RADIO CONSOLE AND ATTACHING PARTS	
CLOSED CAB ONLY	1-86
RAIN TOP	
OPEN CAB ONLY	12-14
REAR GEAR HOUSING	2-46
REAR GEAR TRAIN MOUNTING	2-47
REAR LOCKING CONSOLE	
CLOSED CAB ONLY	12-16
RELAYS AND FUSES	
→ S/N A238E01505L	4-52
S/N A238E01506L →	4-64
REVERSE CLUTCH ASSEMBLY	5-24
ROCKER LEVERS	2-48
S	
SEAT ASSEMBLY	
SUSPENSION	1-100
SEAT ASSEMBLY, AIR SUSPENSION	1-90
DELUXE	1-92
WITH THREE POINT SEAT BELT	1-94
SEAT ASSEMBLY, MECHANICAL SUSPENSION	1-88
SECOND 12V SOCKET OPTION	12-7
SECOND SPEED CLUTCH ASSEMBLY	5-18
STARTER MOTOR AND MOUNTING	2-50
STEER AXLE ASSEMBLY	7-18
STEER AXLE ATTACHING PARTS	7-16
STEER COLUMN ASSEMBLY	7-6
ALTERNATE CONFIGURATION	7-8
STEER CYLINDER	7-14
STEER HOSES	7-12
STEER TIRE AND WHEEL	
TUBED PNEUMATIC	7-22
TUBELESS PNEUMATIC	7-21
STEERING COLUMN	7-10
STEERING CONTROL UNIT AND ATTACHING STEER HOSES	7-2
STEERING CONTROL UNIT ASSEMBLY	7-4
STUD GROUNDING	2-51
SUSPENSION KIT ASSEMBLY	1-98
T	
TELEMETRY KITS	13-2
THERMOSTAT	2-52
THIRD SPEED CLUTCH ASSEMBLY	5-20
THROTTLE AND INCHING SENSORS	3-6
THROTTLE PEDAL LINKAGE	3-2
TILT CYLINDER ASSEMBLY	9-12
TILT CYLINDERS AND ATTACHING PARTS	9-10

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
TRAINING SEAT	
CLOSED CAB ONLY	12-6
TRANSMISSION CONTROL	4-8
TRANSMISSION HOUSING	
PAGE 1 OF 2	5-10
PAGE 2 OF 2	5-12
TRANSMISSION MOUNTING AND HOSES	5-2
TRANSMISSION SENSORS	5-14
TURBOCHARGER	2-53
TURBOCHARGER PLUMBING	2-54
U	
UNIVERSAL SHAFT	5-4
V	
VALVE COVER	2-58
VALVE TAPPETS	2-60
V-BELT	2-56
VIBRATION DAMPER	2-61
W	
WATER INTAKE CONNECTION	2-62
WATER OUTLET CONNECTION	2-63
WATER PUMP	2-64
WINDOW WIPER SYSTEM	
REAR AND ROOF WIPER KITS - AND FRONT WIPER OPTIONS	1-32
WASHER BOTTLE KIT	1-30
WIRE HARNESS	
ARMREST	4-16
BACK-UP ALARM EXTENSION	4-19
BRAKE TEMPERATURE SWITCH	4-20
CAB LIGHTS	4-34
CAB REAR LIGHTS	4-21
CAB SIDE CONSOLE - PAGE 1 OF 5 (→ S/N A238E01505L)	4-36
CAB SIDE CONSOLE - PAGE 2 OF 5 (→ S/N A238E01505L)	4-38
CAB SIDE CONSOLE - PAGE 3 OF 5 (→ S/N A238E01505L)	4-42
CAB SIDE CONSOLE - PAGE 4 OF 5 (→ S/N A238E01505L)	4-46
CAB SIDE CONSOLE - PAGE 5 OF 5 (→ S/N A238E01505L)	4-48
CAB SIDE CONSOLE - PAGE 1 OF 2 (S/N A238E01506L →)	4-56
CAB SIDE CONSOLE - PAGE 2 OF 2 (S/N A238E01506L →)	4-60
CAB TILT	4-68
CAB UNDERFLOOR	4-69
CARRIAGE, DFSSFP	4-72
CARRIAGE, DFSSFP - SPLITTER	4-73
CARRIAGE, STD/SS	4-71
CLOSED CAB	4-74
CLOSED CAB - ALTERNATE CONFIGURATION	4-78
FRONT LIGHTS	4-81
MAST	4-82
MAST LIGHT EXTENSION	4-83

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
MAST WORK LIGHT	4-84
OPEN CAB	4-85
REAR WIPER EXTENSION - CLOSED CAB	4-86
SIDE AND INDICATOR LIGHTS	4-87
STEER COLUMN	4-88
TAIL LIGHTS	4-89
TAIL LIGHTS EXTENSION	4-90
WASH PUMPS - CLOSED CAB	4-91
WIRE HARNESS (CHASSIS)	
PAGE 1 OF 3	4-22
PAGE 2 OF 3	4-26
PAGE 3 OF 3	4-30
WIRE HARNESS AND SWITCH ASSEMBLY	
MONOTROL PEDAL	4-92
WIRE MESH ROOF PROTECTION	12-8

ABBREVIATIONS QUICK REFERENCE SHEET

Listed below are abbreviations used in parts manuals to denote the following expressions:

TERM	DEFINITION	TERM	DEFINITION
Amp	Amperes	FRE	Freezer Environment
AR	As Required	in.	inches
BDI	Battery Discharge Indicators	LPG	Liquefied Petroleum Gas
BWI	Brush Wear Indicator	MAP	Manifold Absolute Pressure
CE	Communicator End	mm	millimeters
CRE	Corrosive Environment	MSTS	Microprocessor Spark Timing System
D/B	Date Break	NPT	National Pipe Threads
dbA	Decibel "A" Scale	O/S	Oversize
DE	Drive End	PTO	Power Take Off
ECH	Empty Container Handler	RPM	Revolutions per Minute
ECH-3	Empty Container Handler - 3 High Stacking	S/N	Serial Number
ECH-4	Empty Container Handler - 4 High Stacking	TMM	Truck Management Module
ECH-5	Empty Container Handler - 5 High Stacking	UL Type D	Diesel-Powered Safety Rating
ECH-6	Empty Container Handler - 6 High Stacking	UL Type DS	Diesel-Powered Safety Rating
ECH-7	Empty Container Handler - 7 High Stacking	UL Type E	Battery-Powered Safety Rating
ECM	Electronic Control Module	UL Type EE	Battery-Powered Safety Rating
ECN	Engineering Change Notice	UL Type ES	Battery-Powered Safety Rating
EEPROM	Electrically Erasable Programmable Read Only Memory	UL Type G	Gasoline-Powered Safety Rating
EPA	US Environmental Protection Agency	UL Type GS	Gasoline-Powered Safety Rating
EPROM	Electrically Programmable Read Only Memory	UL Type LP	Gas-Powered Safety Rating
		UL Type LPS	LP Gas-Powered Safety Rating
		U/S	Undersize
		UL	Underwriters Laboratory
		V	Volts

HOW TO USE THE ILLUSTRATED PARTS MANUAL

This parts manual describes and illustrates assemblies, subassemblies, and detail parts needed for service replacement.

The different constructions are indicated by keys and footnotes. The callouts correspond to descriptions found on the next page.

HYSTER UNIT CODE D001 NORTH AMERICA 06/2001

TABLE OF CONTENTS

DESCRIPTION	PAGE
AIR INTAKE AND FILTER DIESEL (→ D/B 11/98).....	3-22
AIR INTAKE AND FILTER DIESEL (D/B 11/96 →).....	
AIR INTAKE AND FILTER GASOLINE AND LPG.....	
ALTERNATOR GASOLINE, LPG, AND DIESEL.....	
ALTERNATOR TYPES GS, LPS, AND DS.....	
AUXILIARY FUNCTION TUBE TWO AND THREE STAGE FULL P.....	

SECTION 13 NUMERICAL INDEX

PART NO.	PAGE NO.	ITEM NO.	PART NO.	PAGE NO.	ITEM NO.	PART NO.	PAGE NO.	ITEM NO.	PART NO.	PAGE NO.	ITEM NO.
142	3-4	19	10-13	25	11-27	29	12-31	12	16719	3-36	5
12445	3-32	19	10-17	6	11-31	25	16751	3-16	16849	3-34	21
	3-34	1	10-27	11	11-32	37	16849	3-36	16849	3-36	20
			11-11	6	8-4	29	16863	3-28	16863	3-28	17
			11-21	11	8-4	45	16865	3-6	16865	3-6	18
			12	13	9-7	9	16882	4-27	16882	4-27	41
			12	6	9-7	19		9-7		9-7	30
			3	17	9-11	9		9-11		9-11	27
			9	10	9-11	17		10-10		10-10	36
			23	46	10-9	21		10-13		10-13	32
			27	46	10-9	28		11-7		11-7	24
			26	14	10-13	16		11-9		11-9	17
			28	14	11-7	19					
			50	14							

SECTIONS

- 1
- 2
- 3
- 4
- 5 BRAKE/ACC
- 6
- 7 MAST-TWO STAG
- 8 MAST-THREE STAG
- 9 MAST-TWO STAG
- 10
- 11

TRANSMISSION HOUSING S/N D001H-2628

KEY:
A: Diesel
B: Gasoline and LPG

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2022547	Transmission	1	1
2	2023329	Transmission	2	2
3	2021670	Case	4	4
4	2023418	Bearing Cap	4	4
5	296429	Washer	1	1
6	293947	Bolt	2	2
7	2021390	Cover	2	2
8	1371656	Collar Pin	4	4
9	2021915	O-Ring	1	1
10	2021329	Plug	4	4
11	2021675	Housing	22	22
12	2021336	Pin	39	39
13	287860	Lockwasher	1	1
14	292682	Hydraulic Pump	1	1
15	2021345	Figure 5-3	1	1
16	214364	Gasket	8	8
17	296418	Bolt	1	1
18	2021388	Washer	1	1
19	2021389	Temperature Switch	1	1
20	2021383	Breather	9	9
21	292515	Dipstick	9	9
22	136692	Bolt	2	2
23	292527	Nut	3	3
24	292531	Bolt	3	2
25	292583	Capscrew	4	4
26	293637	Lockwasher	4	4
27	296420	Bolt	4	4
28	296420	Washer	1	1
996403		Transmission Kit (Includes Item 7)	1	1
996405		Transmission Kit (Includes Item 14)	1	1

This Parts Manual is divided into 11 major sections which are listed above. Quick be made by placing the right thumb on the tab of the desired section, bending the pages to the corresponding tab.

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HOW TO FIND THE DESIRED PART NUMBER

WHEN THE PART NUMBER AND THE NEXT HIGHER ASSEMBLY IS NOT KNOWN:

1. Determine the function and application of the part required. Turn to the Sections Page. Choose the general area of reference most likely to include the part.
2. Turn to the section you chose. Use the Section Table of Contents to determine the assembly which would normally contain the part required. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS NOT KNOWN AND THE NEXT HIGHER ASSEMBLY IS KNOWN:

3. Determine the assembly the required part is used on. Turn to the Table of Contents (Page i).
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS KNOWN:

5. Use the Numerical Index (Page 14-1) to find the part number. Turn to the page listed and locate the part as indicated by the item number.

GENERAL:

The assembly breakdowns include part numbers, descriptions, quantities required, keys and footnotes to help in selecting correct parts.

6. Parts Supersession Information. Part numbers that have this history will be displayed in the parts list in the order that they were superseded (from oldest to newest). The superseded part numbers will be shown with a line through them.

Five periods in the PART NO. column (.) indicate that the part is either *Not Serviced Separately* or there is a reference to another figure. A figure reference is denoted by a pointing hand followed by a figure number in the DESCRIPTION column (☞ Figure 10)

7. Keys are used to show two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C", "D", or "E" and the corresponding quantity column to find the required parts. Two periods in the QTY column (..) indicate that the part is not used for that assembly.
8. Indented descriptions under the DESCRIPTION column are used to indicate assemblies and

subparts of assemblies. In the example on the previous page, *BEARING CAP* (Item 2) is a subpart of the major assembly *CASE*.

9. Quantities shown are for one assembly. The quantities of the subpart *BEARING CAP* are indicated as two and two. This means two per *CASE* assembly.
10. Serial number breaks identify the most current parts information and are shown as follows:
 - **S/N D001H2628**
Indicates last serial number affected.
 - S/N D001H2629** →
Indicates the first serial number affected.
 - S/N D001H1553** ↔ **S/N D001H3291**
Indicates a range of serial numbers affected.

ECN numbers for pending serial numbers are shown to allow for the inclusion of the most current parts information and are identified as follows:

- **S/N Pending Per ECN 63243**
Indicates a pending serial number for last unit affected.
- S/N Pending Per ECN 63243** →
Indicates a pending serial number for first unit affected.

Date breaks are used to indicate when a change occurred but a subsequent serial number break was not recorded. This is an arbitrary date usually based on the ECN release and are identified as follows:

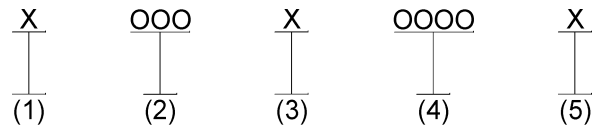
- **D/B 3/00**
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** →
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** ↔ **D/B 4/00**
Indicates a range of production dates of the item affected.

Contact your local dealer for Hyster lift trucks for serial number information for items with a ECN or a date break.

ORDERING PARTS:

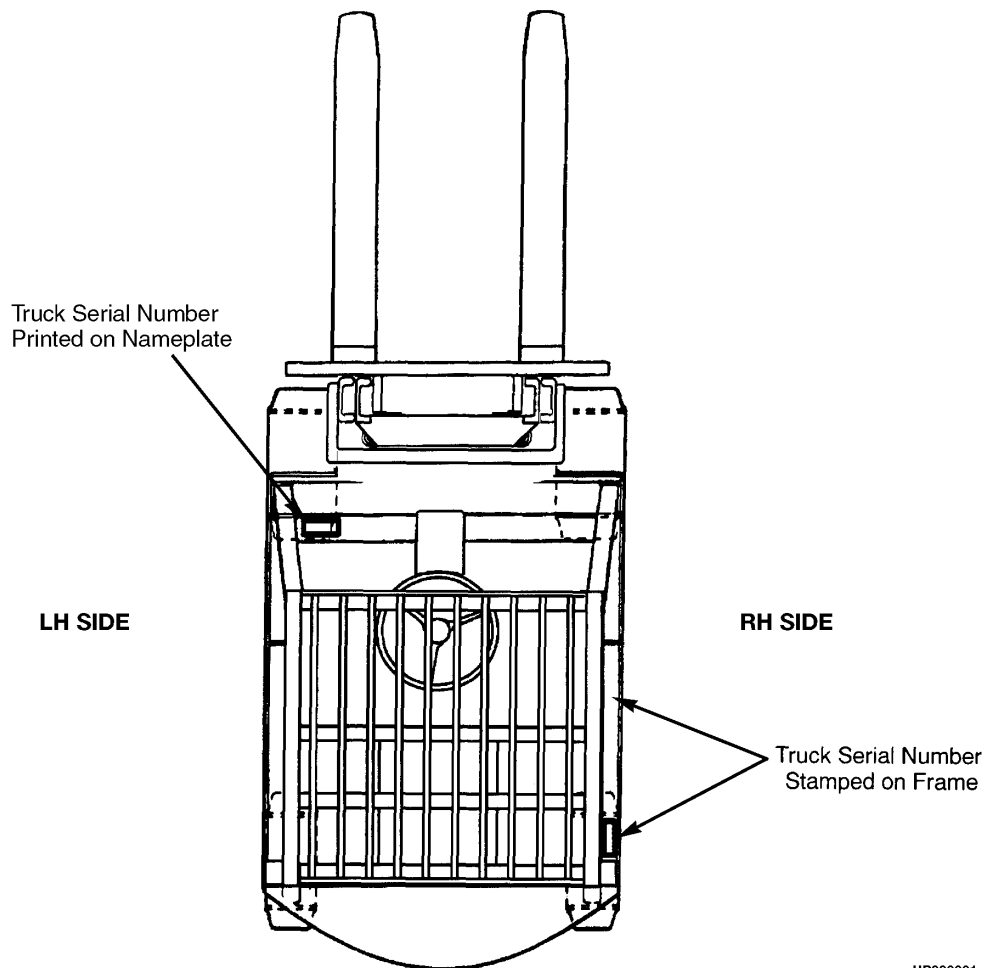
When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

For any further information on parts, service, or ordering, consult your local dealer for Hyster lift trucks.

IDENTIFICATION OF TRUCK SERIAL NUMBERS

- (1) and (2) The first letter and three numbers indicate the truck unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the truck.
- (5) The final letter indicates the year of manufacture starting with "A" in 1957, 1980, and 2003.
The letters "I", "O", and "Q" will not be used.

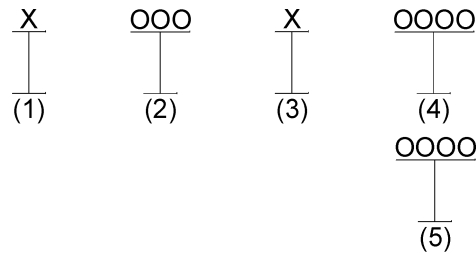
For pending serial numbers contact your local dealer for Hyster lift trucks.



HP990001

Parts referred to in this book as right or left hand parts are in accordance with the illustration above.

IDENTIFICATION OF MAST SERIAL NUMBERS



- (1) and (2) The first letter and number indicates the mast unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the mast.
- (5) Carriage travel in millimeters stamped just below the serial number.

Mast Group identification consists of mast unit code (1) and (2) plus carriage travel (5).

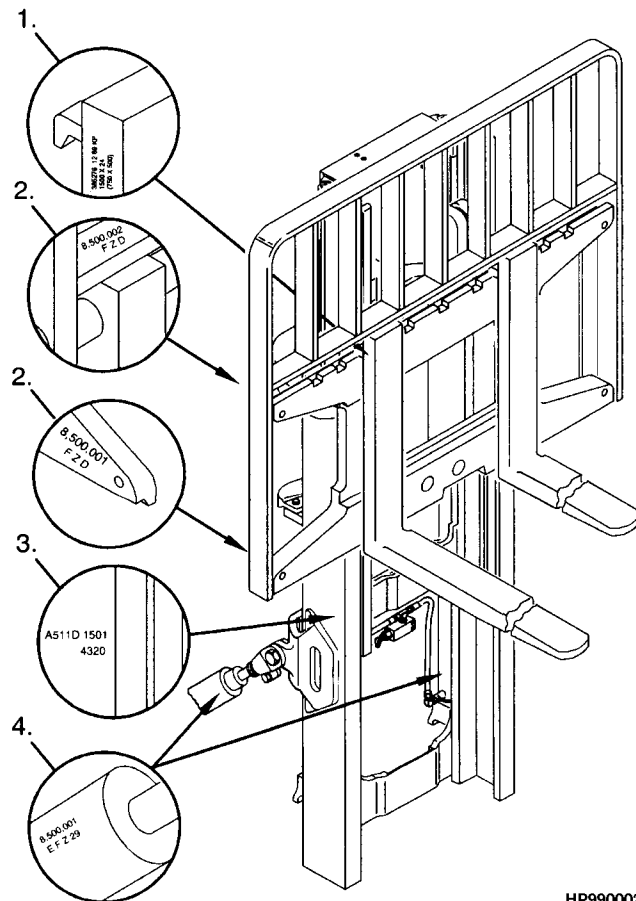
For pending production sequence numbers contact your local dealer for Hyster lift trucks.

LIFT EQUIPMENT IDENTIFICATION

1. Fork part number, capacity rating, plant code letter, and date of manufacture are stamped approximately six inches below the top of most forks.
2. The carriage group number is stamped on the right hand side of the top crossmember (pin type) or on the back of the right hand end of the bottom crossmember (hook type). A date code has two letters in line with or below the carriage group number.
3. The mast identification number has a unit code, a letter indicating the plant of manufacture, and a serial number. Underneath the production sequence number is a four digit number that indicates the carriage travel in millimeters.
4. Tilt and lift cylinder group numbers are stamped on the cylinder shell.

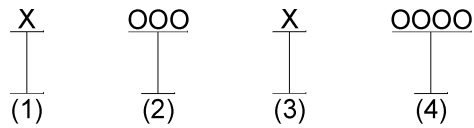
Always refer to the group, serial, or part number when ordering service parts.

Modification of masts and carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". contact your dealer for Hyster lift trucks for information on these assemblies.

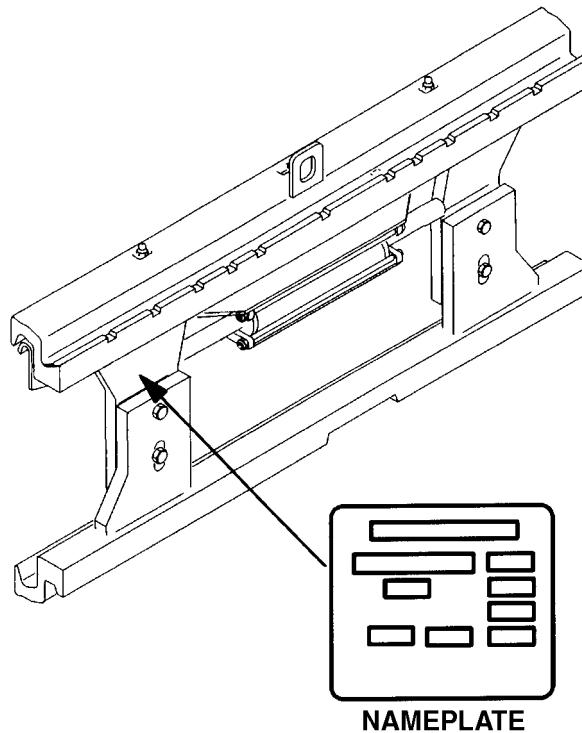


HP990002

IDENTIFICATION OF ATTACHMENT AND SIDE-SHIFT CARRIAGE SERIAL NUMBERS



- (1) and (2) The first letter and three numbers indicate the attachment unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number.
- For pending production sequence numbers contact your local dealer for Hyster lift trucks.



HP990003

Side-shift carriages and attachments have nameplates. Use the serial number found on the nameplate to identify the attachment.

Always refer to the group, serial, or part number when ordering service parts.

Modifications of attachments and side-shift carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". Contact your dealer for Hyster lift trucks for information on these assemblies.

PUBLICATIONS

Every new lift truck is provided with an OPERATING MANUAL. This manual has information that the operator must know for inspection and operation of the lift truck.

SERVICE MAINTENANCE MANUALS, which provide service and overhaul procedures, and PARTS

MANUALS with complete replacement part identification, are available at a nominal fee from your Hyster dealer to assist users in effectively maintaining Hyster lift trucks in a safe, useful condition. See the list below for information on ordering specific publications for this model lift truck.

PUBLICATION	HYSTER PART NUMBER
Operating Manual.....	4089514
Service Manual (Complete).....	4089511
Parts Manual.....	4097502

1

FRAME

SECTION 1
FRAME

DESCRIPTION	PAGE
AIR CONDITIONER	
CLIMATE CONTROL CAB	1-62
AIR CONDITIONER ASSEMBLY	
CLOSED CAB WITH AIRCO	1-56
AIR CONDITIONER FILTER AND COVER ASSEMBLY	
CLOSED CAB	1-34
AIR CONDITIONER SYSTEM	
CLIMATE CONTROL CAB	1-60
AIR CONDITIONER SYSTEM ASSEMBLY	
CLOSED CAB WITH AIRCO	1-58
AIR DUCT ASSEMBLY	
AIR CONDITIONING - CLOSED CAB WITH AIRCO OR WITH CLIMATE CONTROL	1-54
HEATER - CLOSED CAB WITHOUT AIRCO	1-36
ARMREST ASSEMBLY	
OPEN AND CLOSED CAB	1-22
CAB	
CLOSED - PAGE 1 OF 2	1-16
CLOSED - PAGE 2 OF 2	1-18
OPEN - PAGE 1 OF 2	1-12
OPEN - PAGE 2 OF 2	1-14
CAB ATTACHING PARTS	
OPEN AND CLOSED CAB	1-20
CAB DOOR	
LEFT HAND - CLOSED CAB	1-44
RIGHT HAND - CLOSED CAB	1-42
CAB FLOORMATS	
OPEN AND CLOSED CAB	1-48
CAB MAIN DOOR WINDOW	
RIGHT AND LEFT HAND - CLOSED CAB	1-46
CAB MOUNTING AND TILT	
PAGE 1 OF 2	1-66
PAGE 2 OF 2	1-68
CAB TILT CYLINDER	1-70
CAB WINDOWS INSTALLATION	
CLOSED CAB	1-28
CLIMATE CONTROL SYSTEM	1-64
COMPRESSOR ASSEMBLY	1-76
CONDENSER	
CLOSED CAB WITH AIRCO OR WITH CLIMATE CONTROL	1-52
CONDENSER SYSTEM	
CLOSED CAB WITH AIRCO OR WITH CLIMATE CONTROL	1-50
COUNTERWEIGHT	1-10
DASH ASSEMBLY	
CLOSED CAB	1-26
FLOORPLATES	
PAGE 1 OF 2	1-4
PAGE 2 OF 2	1-6
HAND PUMP	1-72

**SECTION 1
FRAME**

DESCRIPTION	PAGE
HEATER AND AIR DUCT	
CLOSED CAB WITHOUT AIRCO	1-35
HEATER AND CONTROL PANEL ASSEMBLIES	1-103
HEATER ASSEMBLY	
CLOSED CAB WITHOUT AIRCO	1-38
HEATER HOSES AND AIR CONDITIONER HOSES	1-74
HEATER SYSTEM	
CLOSED CAB WITHOUT AIRCO	1-40
HOODS AND COVERS	1-8
LABELS	
HYDRAULIC CONTROLS	1-78
PAGE 1 OF 3	1-80
PAGE 2 OF 3	1-82
PAGE 3 OF 3	1-84
PIVOT ARM ASSEMBLY	
OPEN AND CLOSED CAB	1-24
RADIO CONSOLE AND ATTACHING PARTS	
CLOSED CAB ONLY	1-86
SEAT ASSEMBLY	
SUSPENSION	1-100
SEAT ASSEMBLY, AIR SUSPENSION	1-90
DELUXE	1-92
WITH THREE POINT SEAT BELT	1-94
SEAT ASSEMBLY, MECHANICAL SUSPENSION	1-88
SUSPENSION KIT ASSEMBLY	1-98
WINDOW WIPER SYSTEM	
REAR AND ROOF WIPER KITS - AND FRONT WIPER OPTIONS	1-32
WASHER BOTTLE KIT	1-30

