

PARTS MANUAL

CHALLENGER

H300XL, H330XL, H360XL

H330XL-EC

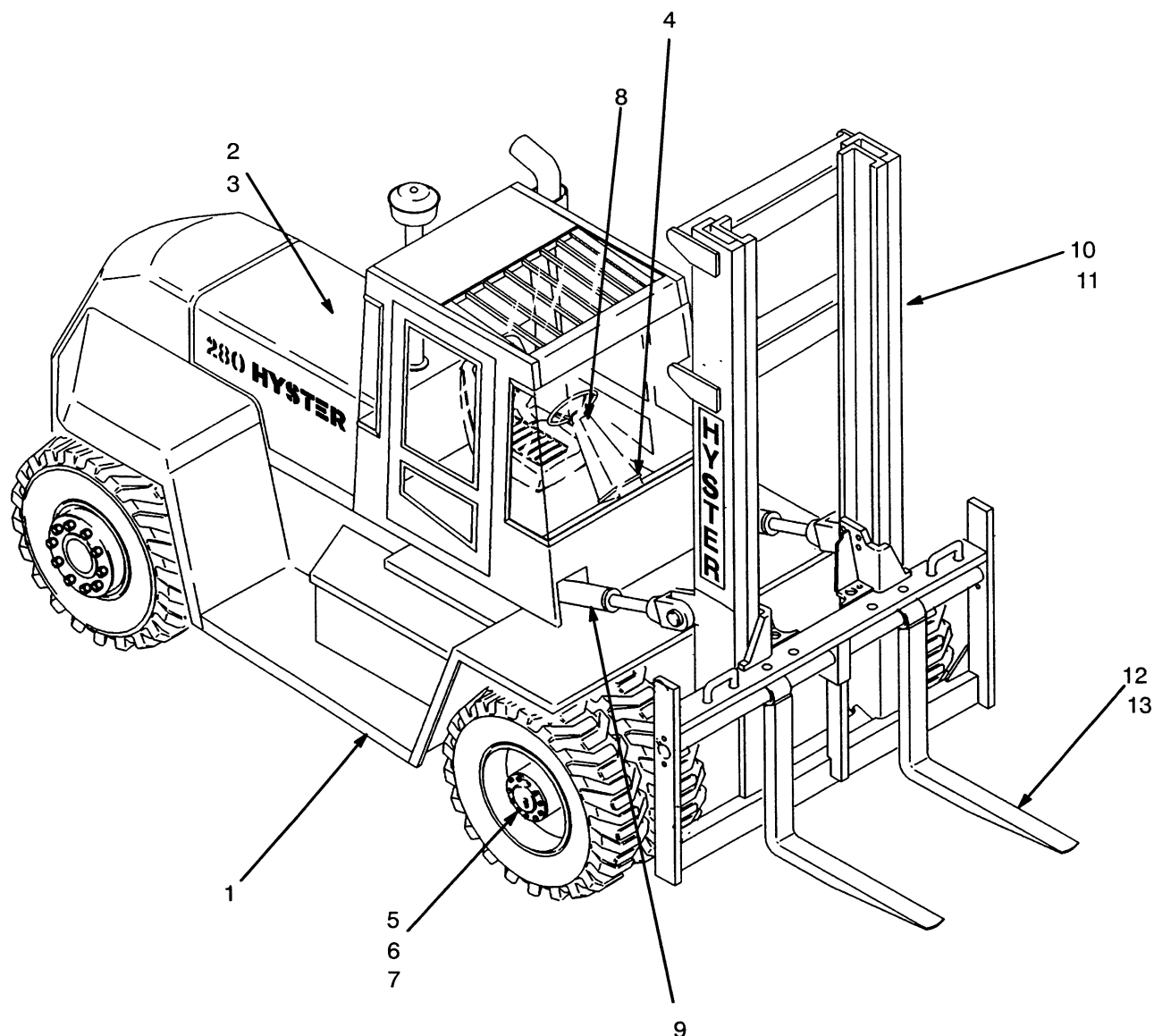
H360XL-EC

(D19)

CUSTOMER EDITION

HYSTER

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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, symbols and footnotes.

HYSTER SERIAL CODE D177-U.S.

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HYSTER 496 SERIAL CODE D177

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							35	15227	305	39
							34	15236	327	14
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7	Brake System
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10	Three Stage Full FFL
11	Two Stage Full Fre
12	Optional
13	Numerical Index

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SERIAL CODE D177-U.S.

HYSTER

9 → **CARRIAGE (Figure 233)**
TWO STAGE FFL
SIX ROLLER

LAST USED ON S/N PENDING PER ECN 98765

KEY:
A: H48-810M
B: H60-810M

REF	PART NO.	NAME OF PART	QTY
a		Carrriage Assy	1
1	1345239	Carrriage	1
1	1345240	Carrriage	1
1	1345264	Shaft	1
2 b	1345218	Load Roller	6
2 c	1395172	Load Roller ("A" Standard)	4
2	1345219	Load Roller ("B" 0.76 mm)	6
2	1345220	Load Roller ("C" 1.52 mm)	6
3	12961	Snap Ring	6
4	1345263	Shim	6
		ARAR	

REF	PART NO.	NAME OF PART	QTY
5	366116	Spacer	2
6	1369345	Chain Anchor	2
6	1369344	Chain Anchor	2
7	317735	Pin	2
8	131358	Snap Ring	2
9	323161	Pin	4
10	15200	Cotter Pin	2

a or Table Above
b Last Used On S/N Pending ECN 72449
c First Used On S/N Pending ECN 72449

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See Service Manual for service procedures
10/20/1987

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 illustrated index page immediately behind the front cover. Choose the general area of reference most likely to include the part.
2. Find the page number for the reference number you choose and turn to that page. Use the division index 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 Master Index immediately following the Illustrated Index.
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 at the back of the manual to find the part number. Turn to the figure listed and locate the part as indicated by the reference number.

GENERAL:

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

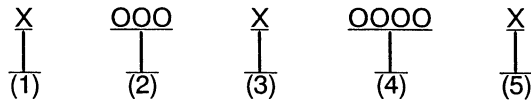
6. Keys are used to show effective serial numbers for two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C" or "D" and the corresponding quantity column to find the required parts.
7. Indented descriptions under "Name of Part" are used to indicate assemblies and sub-parts of assemblies. In the example, *LOAD ROLLER* (Item 2) is a subpart of the major assembly *CARRIAGE*.
8. Quantities shown are for one assembly. The quantities of the subpart *LOAD ROLLER* are indicated as six and six. This means six per *CARRIAGE* assembly.
9. Engineering change notice (ECN) numbers for pending serial numbers are shown to allow for the inclusion of the most current parts information. Contact your local dealer for Hyster lift trucks for serial number information listed by ECN number.
10. Additional fork lengths are available. Contact your dealer for Hyster lift trucks.

ORDERING PARTS:

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

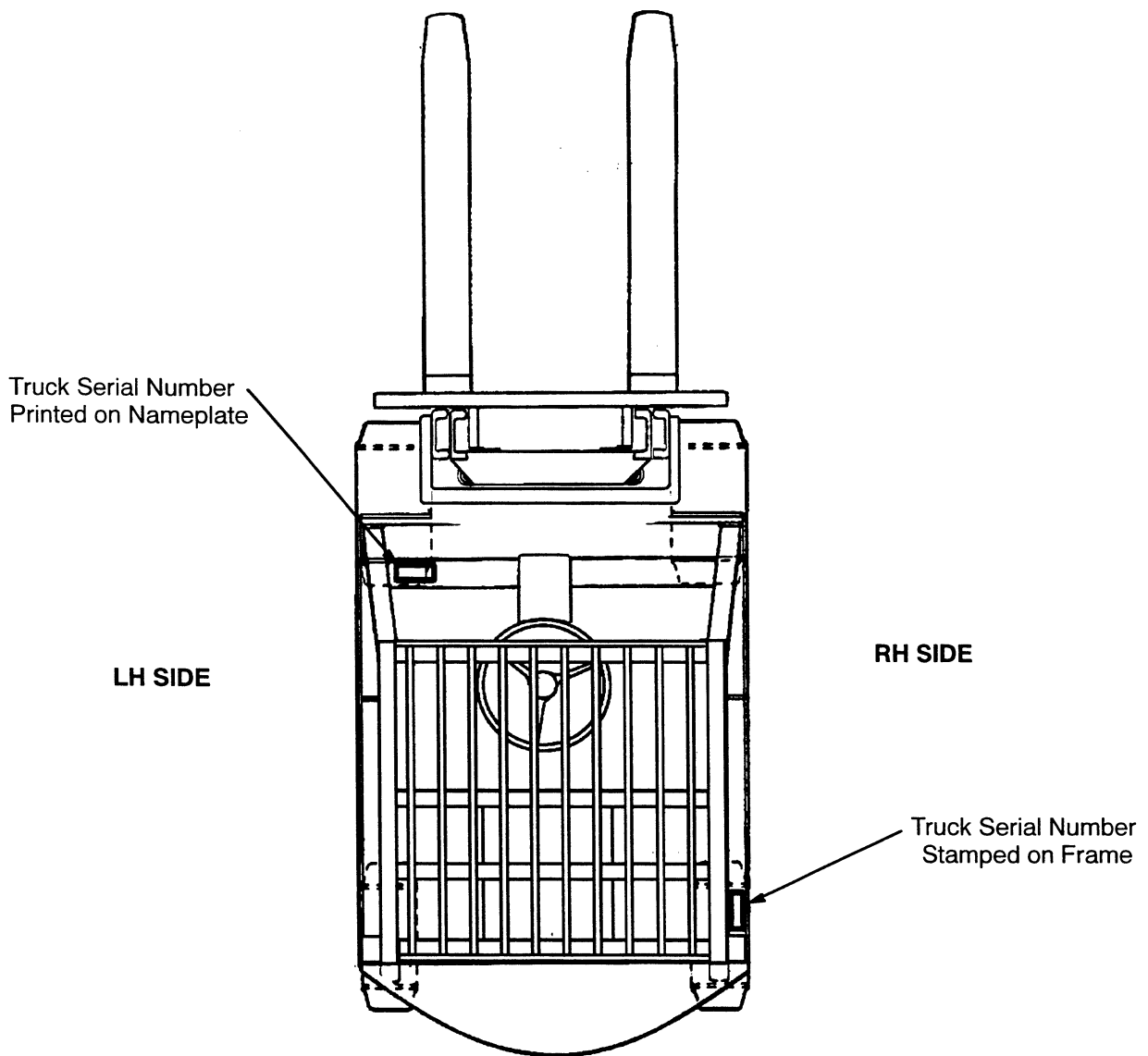
For any further information on parts, service, or ordering, consult your local dealer for Hyster lift trucks.

IDENTIFICATION OF TRUCK SERIAL NUMBERS



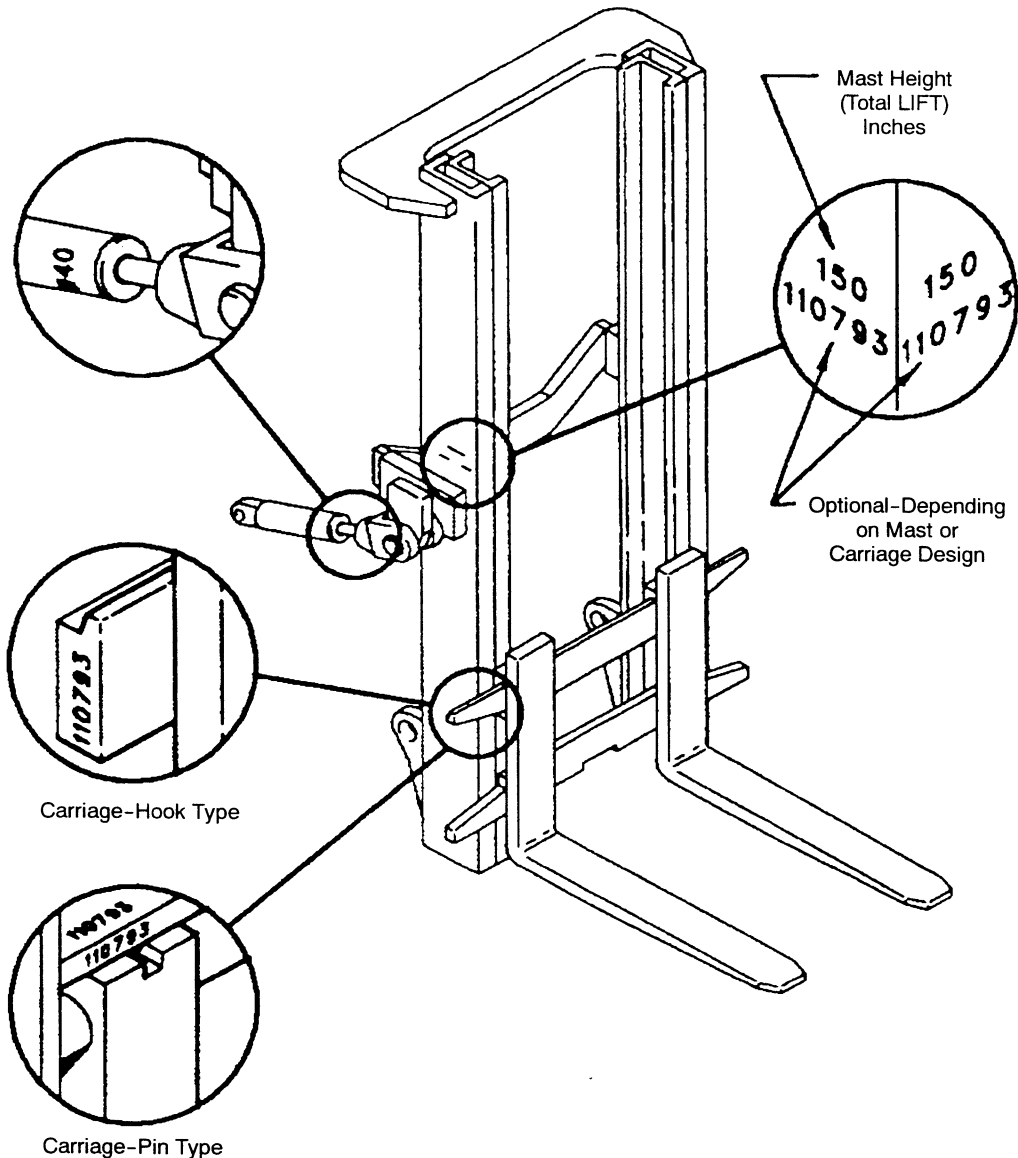
- (1) & (2) The first letter and three numbers indicate the truck model code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number series indicates the serial number of the truck.
- (5) The final letter indicates the year of manufacture starting with "A" in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

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



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

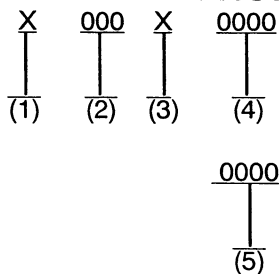
IDENTIFICATION OF MAST SERIAL NUMBERS (UP TO 1993)



LIFT EQUIPMENT IDENTIFICATION

1. Mast group numbers and total lift heights are stamped on the right hand outer mast approximately four feet from the bottom of the load arm. The group numbers include the inner and outer masts, lift cylinder, lift chain and bleeder hoses or pipes.
2. The carriage and tilt cylinder numbers are located as shown. Lift cylinder numbers are stamped on the cylinder shell near the bleeder screw or on the chain anchor. Load arm part number, capacity rating, plant code letter and date of manufacture are stamped approximately six inches below the top RH side of load arms. Always refer to these group and part numbers when ordering service parts.

IDENTIFICATION OF MAST SERIAL NUMBERS (1994 AND UP)



- (1) & (2) The first letter and number indicates the mast model code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number series indicates the serial number of the mast.
- (5) Lift Height in Millimeters stamped just below the serial number

Mast Group Identification consists of mast unit code (1) & (2) plus lift height (5).

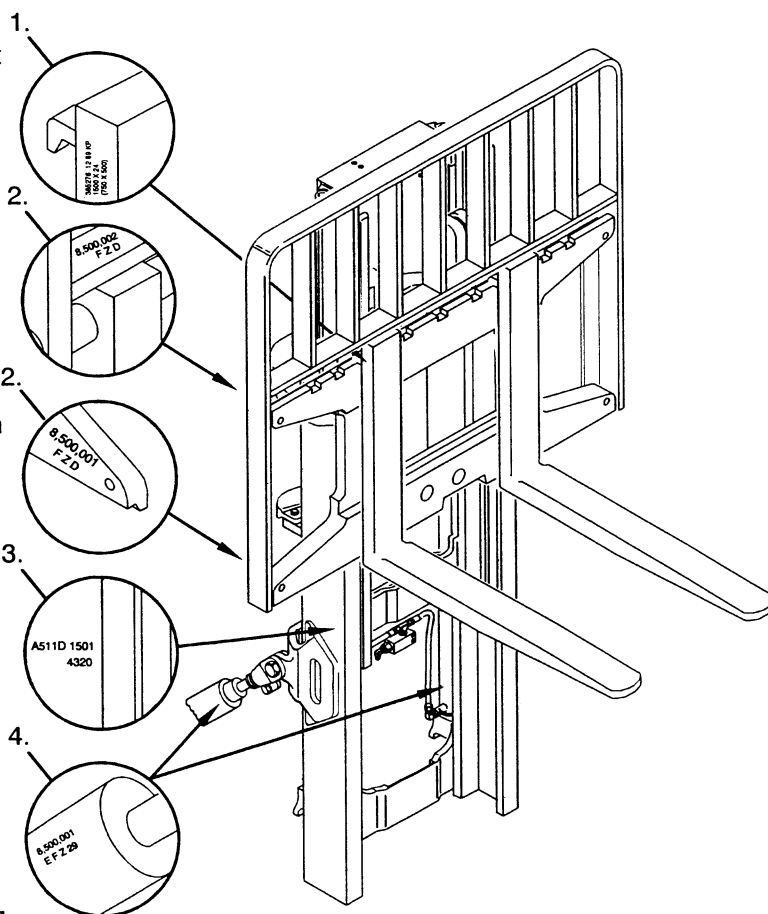
For pending serial numbers contact your local dealer for Hyster lift trucks.

LIFT EQUIPMENT IDENTIFICATION

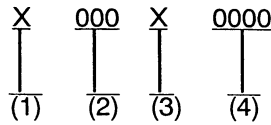
1. Fork part number, capacity rating, plant code letter and date of manufacture are stamped approximately six inches below the top of most forks.
2. The carriage group number is stamped on the right hand side of the top crossmember (pin type) or on the back of the right hand end of the bottom crossmember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

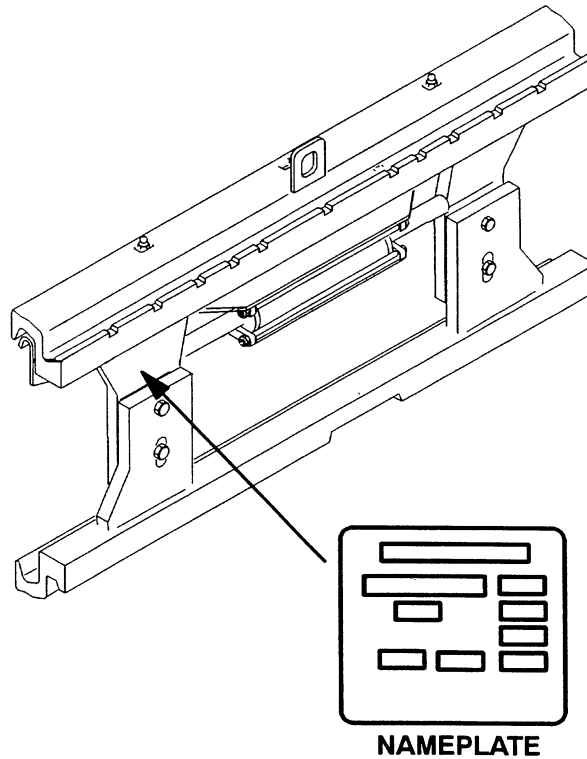


IDENTIFICATION OF ATTACHMENT AND SIDE-SHIFT CARRIAGE SERIAL NUMBERS



- (1) & (2) The first letter and three numbers indicate the attachment model code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number series indicates the serial number.

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



NAMEPLATE

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.

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