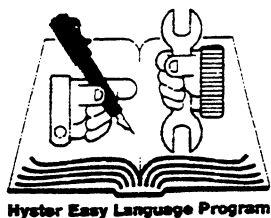




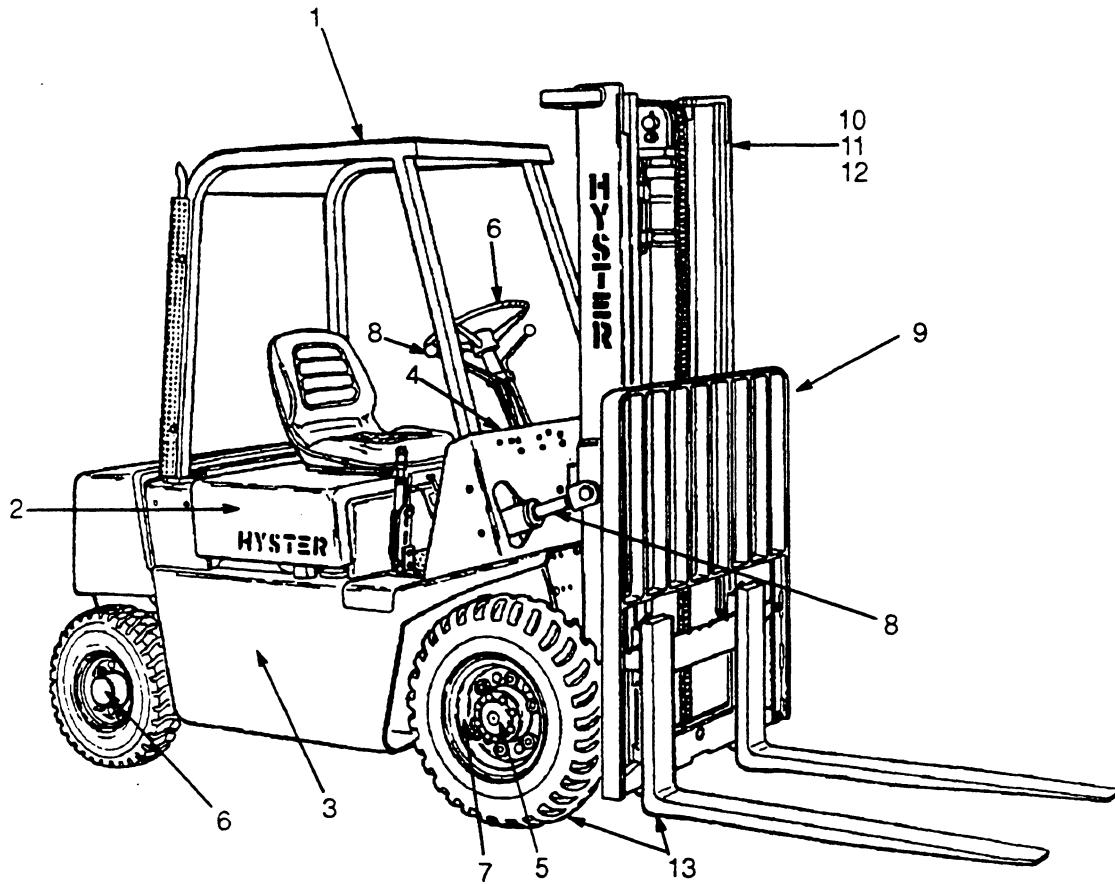
# PARTS MANUAL

**CHALLENGER  
H40-50-60XL  
H2.00-2.50-3.00XL  
(A177)**



# CUSTOMER EDITION

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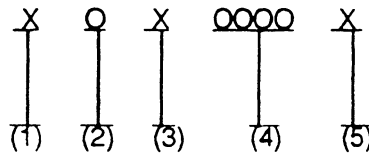
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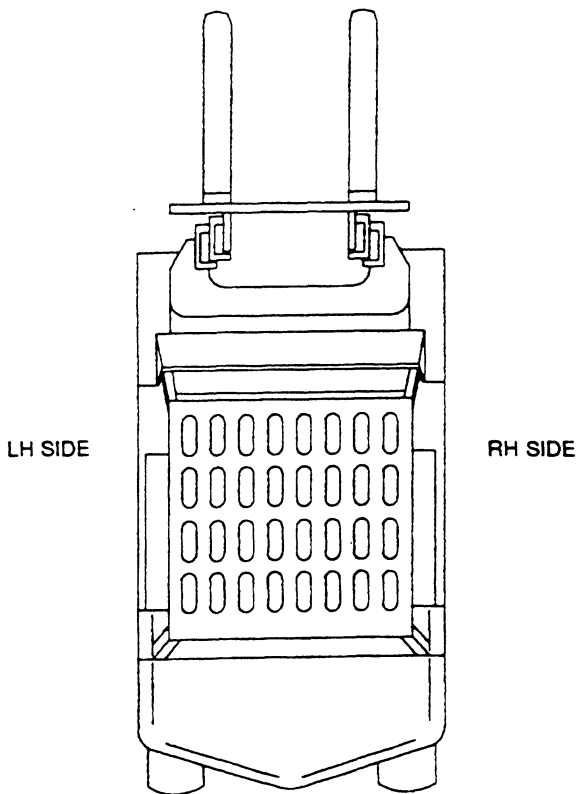
## IDENTIFICATION-UNIT UNIT S/N



- (1) & (2) The first letter and number denote the design series and model of the unit
- (3) The second letter denotes the Plant at which the unit was manufactured
- (4) The number series denotes the serial number of the unit
- (5) The final letter denotes the year of manufacture starting with "A" in 1957 and 1980. The letters "I", "O", and "Q" will not be used

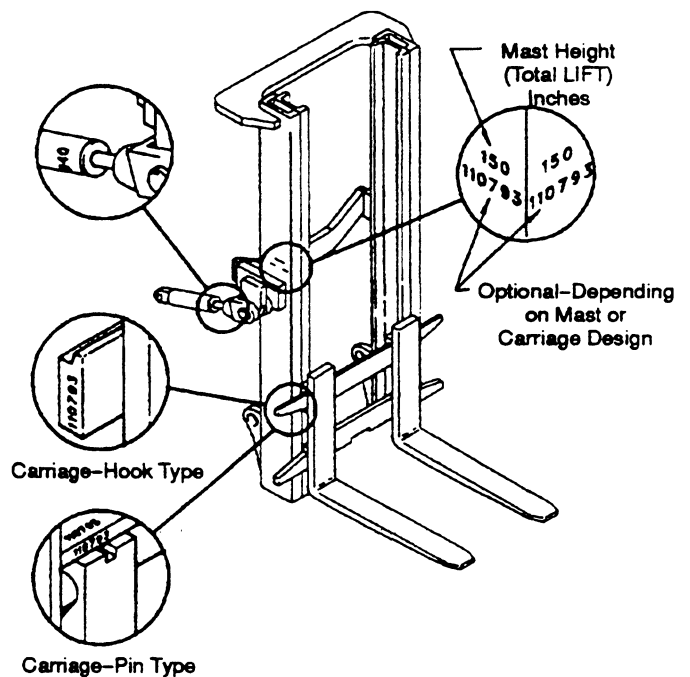
For pending serial numbers contact your local Hyster Dealer

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



### 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.



# HOW TO USE THE ILLUSTRATED PARTS MANUAL

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

It also includes all parts peculiar to trucks built in overseas plants. These parts are indicated by keys, symbols and footnotes.

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AC MOTOR \_\_\_\_\_ PC00

AL FORK TORK \_\_\_\_\_ 1512

ASL-DRIVE \_\_\_\_\_ 1500

ASL-STEERING \_\_\_\_\_ 1500

BLAKE-CYL PUMPER W/SHAL \_\_\_\_\_ 1500

BLAKE-CYL PUMPER 6x 6x 1 1/2 \_\_\_\_\_ 1500

BRAND \_\_\_\_\_ 1500

CRANK \_\_\_\_\_ 1500

CRANK/VALVE SHAFT/VALVE OIL \_\_\_\_\_ 1500

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

1. **USE:** Determine the function and application of the part required. Turn to the Illustrated Index page immediately behind the front cover, and select the most appropriate area.
2. Use the Division Index to determine the assembly which would normally contain the part required. Proceed then to 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 page immediately following the Illustrated Index.
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Proceed then to locate the part on the assembly breakdown page.

**WHEN THE PART NUMBER IS KNOWN;**

5. Use the Numerical Index to find the part number. Turn to the page 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 subparts of assemblies. A major assembly is not indented. Parts under the first, second, or third indent are sub-parts of the major assembly shown above them.
8. Quantities shown are for one assembly. Note that two assemblies are shown, but the quantities of the subparts are indicated as three and three. This means three per 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.

**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.





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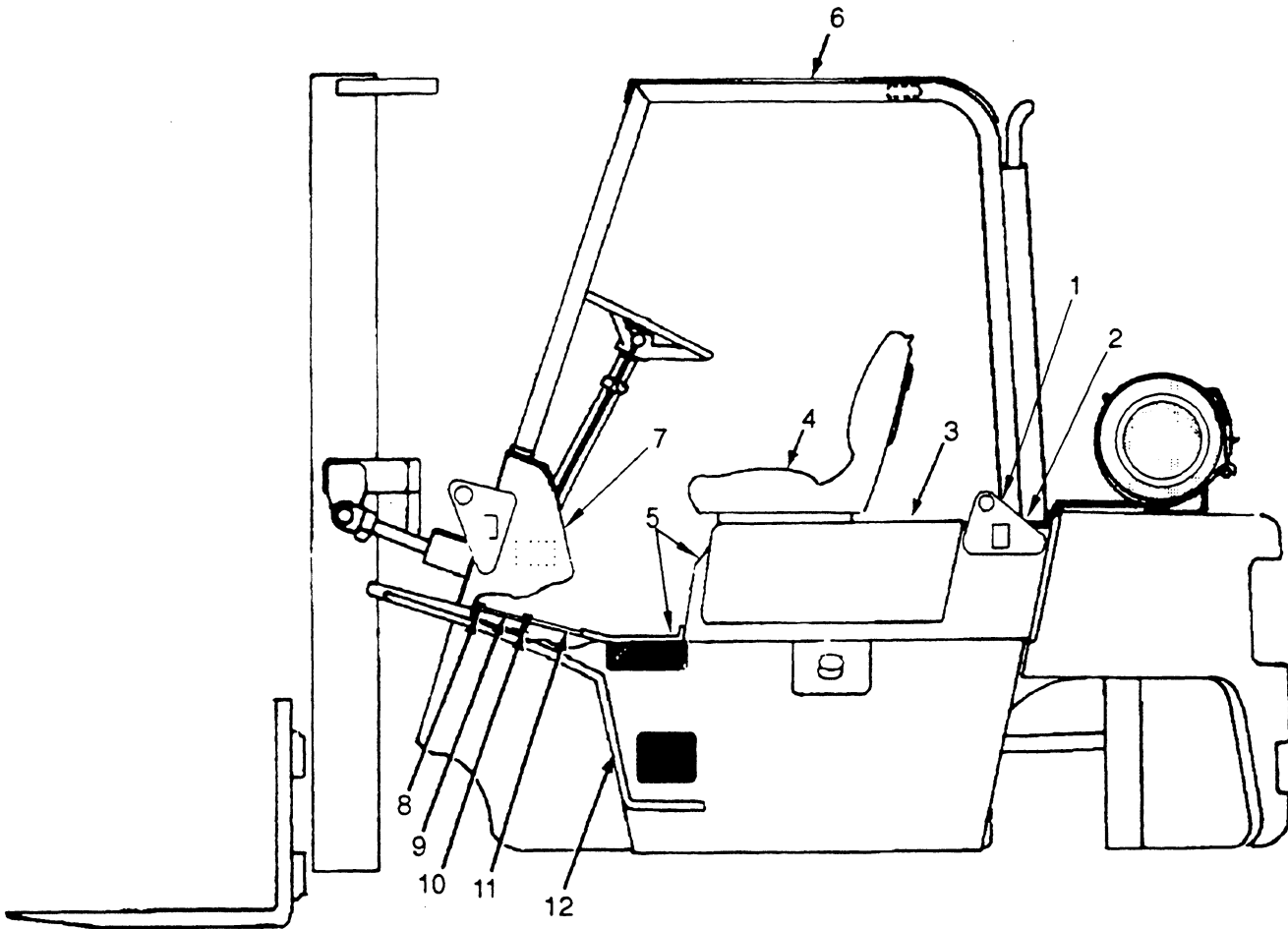


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Publications .....	18-19
Seat .....	14-15

## COWL/PLATES-FLOOR



REF	PART NO.	NAME OF PART	QTY	REF	PART NO.	NAME OF PART	QTY
1	\$1303637	Grommet	11	9	306180	Plate-Floor	1
2	292528	Capscrew	4	9	@% 373813	Plate-Floor	1
2	292683	Lockwasher	4	10	177590	Pin	1
2	216877	Nut	2	10	320157	Washer	2
3	.....	Hood	1	10	137122	Spring	1
		See Page 11		10	15212	Pin	3
4	.....	Seat	1	11	313815	Plate	1
		See Pages 14-15		12	329051	Fender-RH	1
5	313822	Plate-Floor	1	12	329052	Fender-LH	1
5	% 364867	Plate-Floor	2				
6	306790	Guard-Overhead	1	*	Used With Suspension Seat 377906 Europe		
6	* 301014	Guard-Overhead Tall	2	\$	Standard Exhaust		
6	+1314332	Guard-Overhead	1	%	With Operator Restraint First Used On A177B-15541		
7	308112	Anchor-Tilt LH	1	@	Monotrol First Used On S/N A177B-15483		
7	308111	Anchor-Tilt RH	1	+	First Used On A177B-29781		
8	329067	Screw	5				

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