

# **PARTS MANUAL**

**CHALLENGER**

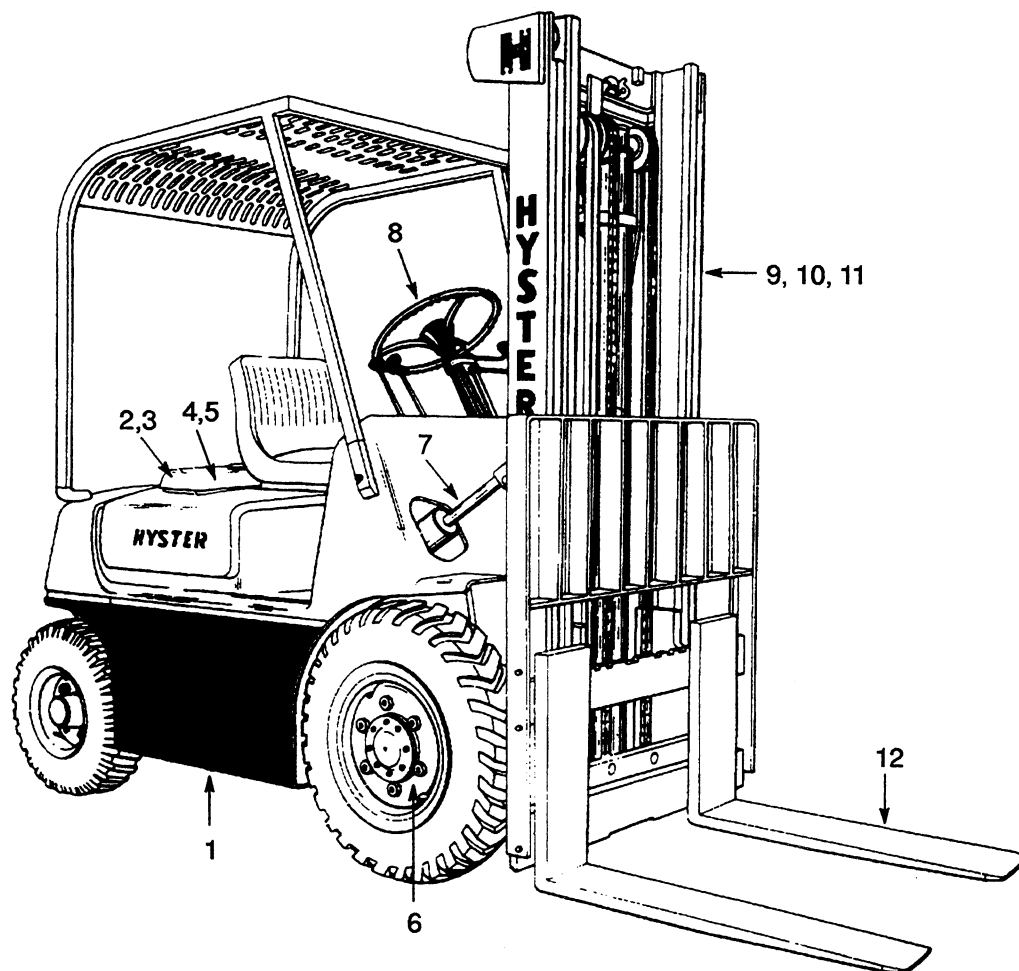
**H30-60H**

**(D003)**

**CUSTOMER EDITION**

# ***HYSTER***

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## HOW TO USE 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.



SERIAL CODE C187

3

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CARRIAGE (Figure 203) SIDE-SHIFT .....

CARRIAGE (Figure 204) SIDE-SHIFT .....

CLUTCH-FORWARD AN .....




SERIAL CODE C187

360

SERIAL CODE C187

INDEX—NUMERICAL

PART NO	REF FIGURE NO	PART NO	REF FIGURE NO	PART NO	REF FIGURE NO	PART NO	REF FIGURE NO	PART NO	REF FIGURE NO
126	51 28	90	13	97	19	33	20	129	14
		99	18	99	18	35	10	181	11
		101	19	101	19	36	16	15212	2



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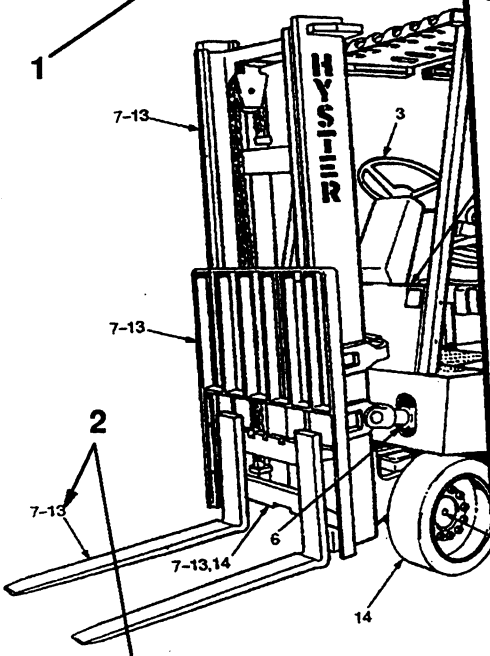
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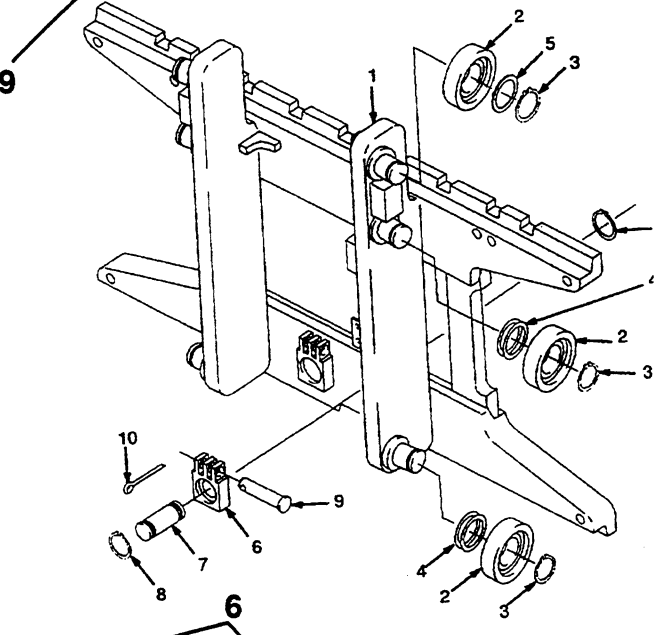
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CARRIAGE (Figure 123)

LAST USED ON S/N PENDING PER ECN 98765



KEY

A: E40-50XL

B: E60XL

REF	PART NO.	NAME OF PART	QTY	REF	PART NO.	NAME OF PART
	1371660	Carriage	1	4	1345263	Shim
	1371661	Carriage	1	5	366116	Spacer
	1359245	Frame	1	6	1369345	Chain Anchor
1	1359246	Frame	1	6	1369344	Chain Anchor
1	1345218	Load Roller ("A" Standard)	6	7	317735	Pin
2	1345219	Load Roller ("B" 0.03 in.)	6	8	131358	Snap Ring
2	1345220	Load Roller ("C" 0.06 in.)	6	9	323161	Pin
3	12891	Snap Ring	6	10	15200	Cotter Pin

REF	DIVISION
1	Frame
2	Drive Axle
3	Steering
4	Brake/Accelerator
5	Electrical
6	Hydraulic
7	Mast-Vista Two-Stage Limited Free Lift
8	Mast-Global Two-Stage Limited Free Lift
9	Mast-Vista Three-Stage Full Free Lift
10	Mast-Global Three-Stage Full Free Lift
11	Mast-Vista Two-Stage Full Free Lift
12	Mast-Global Two-Stage Full Free Lift
13	Mast-Vista Four-Stage Full Free Lift
14	Optional Equipment

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See Service Manual  
for service procedures

10/14/96

## 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:

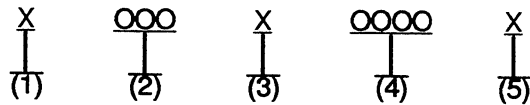
- The assembly breakdowns include part numbers, description, quantities required, keys and footnotes to help in selecting the correct parts.
6. Keys are used to show effective serial numbers for two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C" or "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.

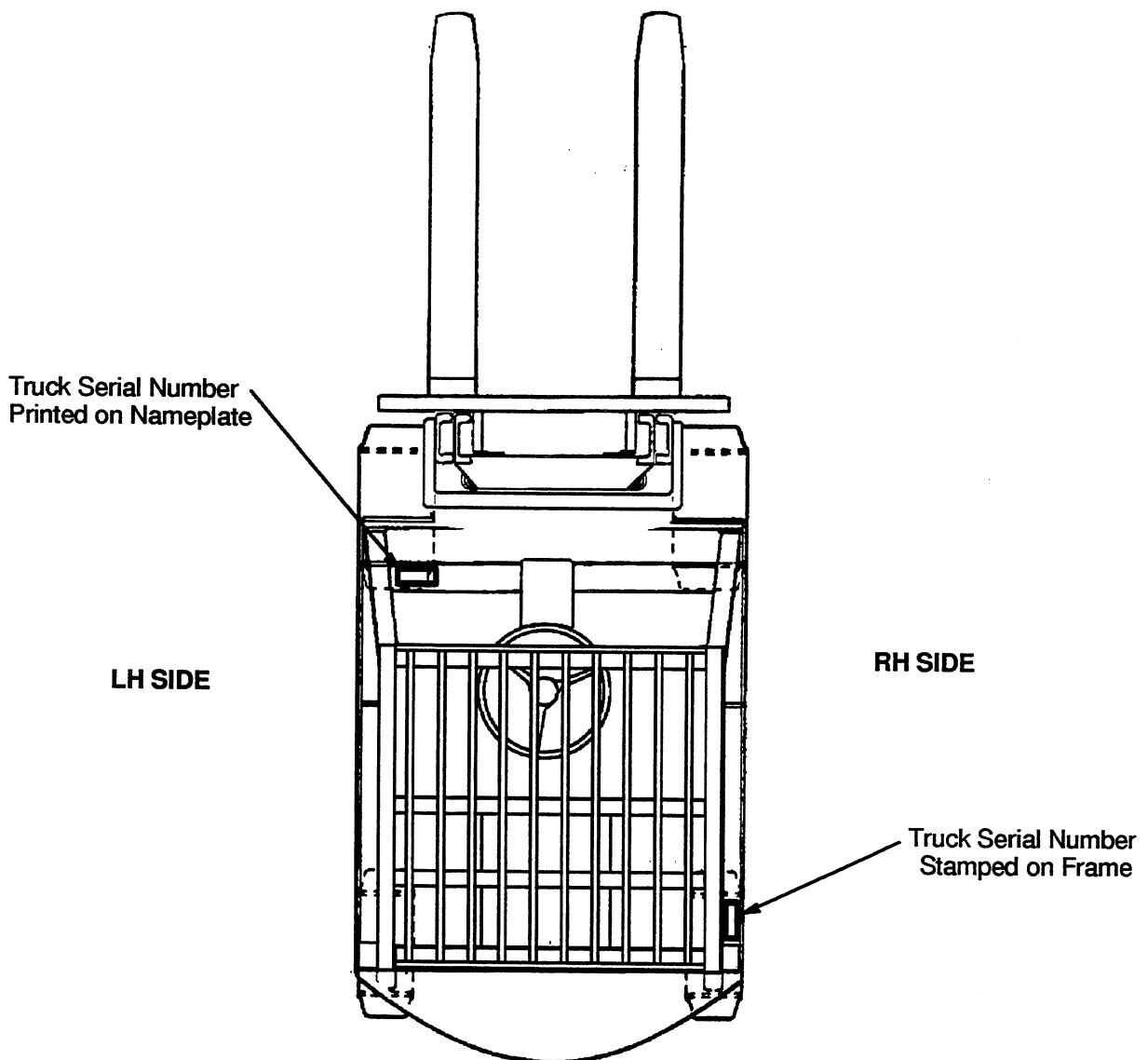
For any further information on parts, service, or ordering, consult your local dealer for Hyster lift trucks.

## IDENTIFICATION OF TRUCK SERIAL NUMBERS



- (1) & (2) The first letter and three numbers indicates 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.

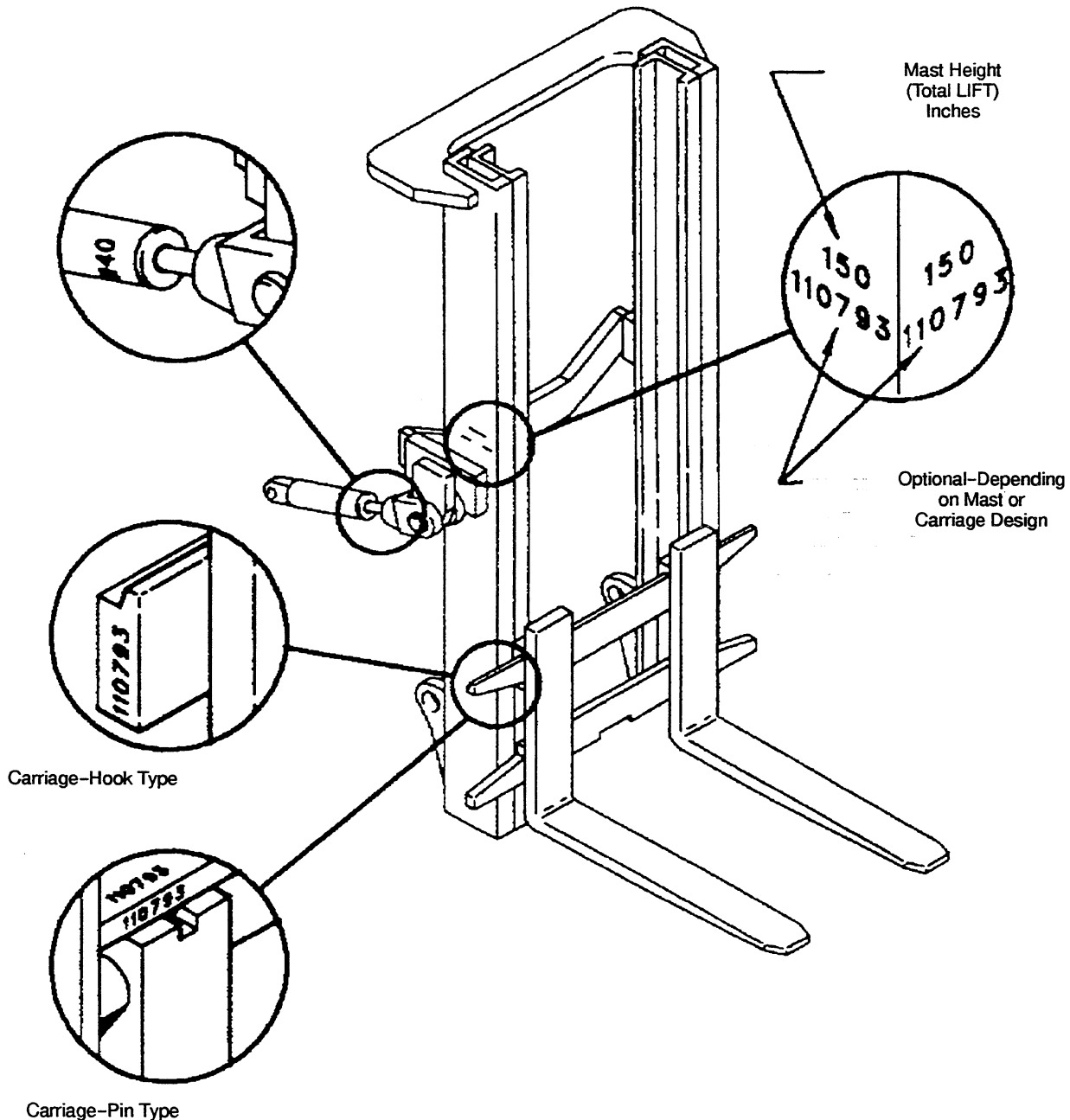


Parts referred to in this book as right or left hand parts are in accordance with the illustration above.

## IDENTIFICATION OF MASTS NUMBERS

### 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 fork. 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. Fork part number, capacity rating, plant code letter and date of manufacture are stamped approximately six inches below the top RH side of forks. Always refer to these group and part numbers when ordering service parts.





## PUBLICATIONS

Every new lift truck is provided with at least three publications. These publications are the PARTS MANUAL, the OPERATING MANUAL, and the section of the SERVICE MANUAL called Periodic Maintenance.

The OPERATING MANUAL must always be available on every lift truck. This manual has information that the operator must know for inspection and operation of the lift truck. The section Periodic

Maintenance has a recommended schedule of service intervals and the procedures for servicing the lift truck.

These manuals, other publications and programs are available from your Dealer for Hyster Lift Trucks to help you operate and maintain your lift truck professionally. See the list that follows for reference to items for lift trucks in this PARTS MANUAL.

<u>PUBLICATION</u>	<u>PART NUMBER</u>
Service Manual .....	599351
Operating Manual .....	897152
Parts Manual .....	599276





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**FRAME**

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COWL AND FLOORPLATES (Figure 1) ..... Page 4

HOOD AND LINKAGE (Figure 2) ..... Page 6

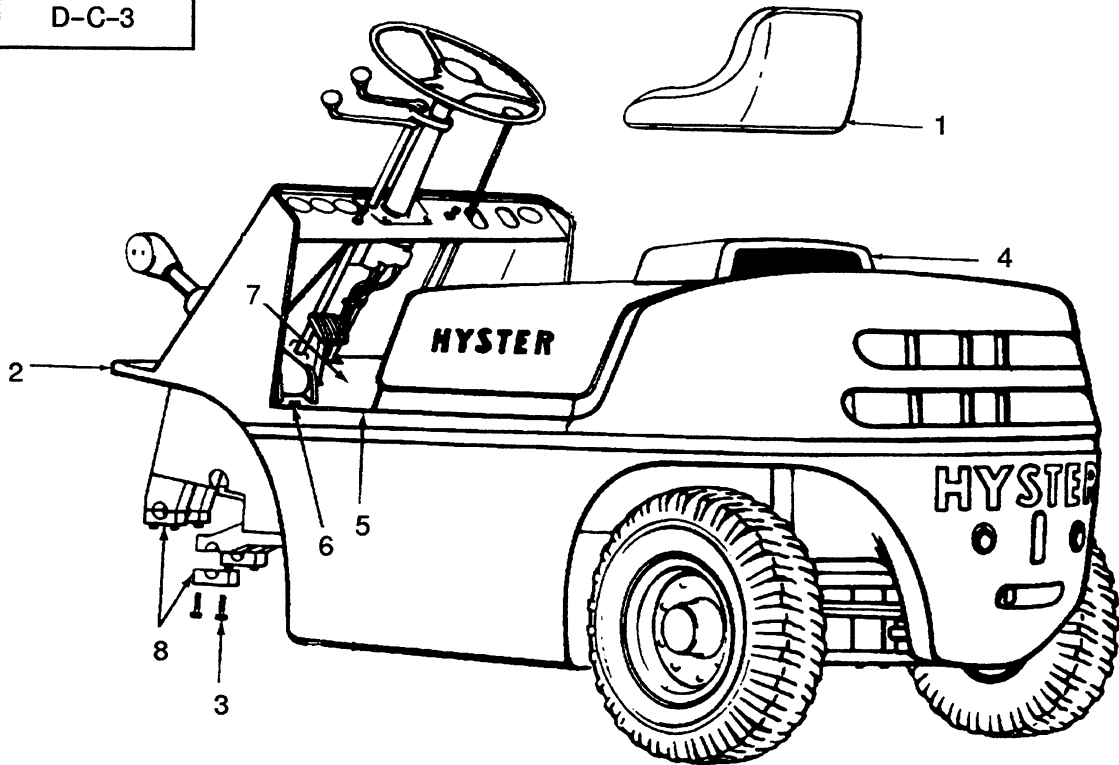
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SEAT (Figure 6) ..... Page 12

## COWL AND FLOORPLATES (Figure 1)

PARTS SERVICE GRAM	
ITEM	GRAM
8, 9	D-C-3

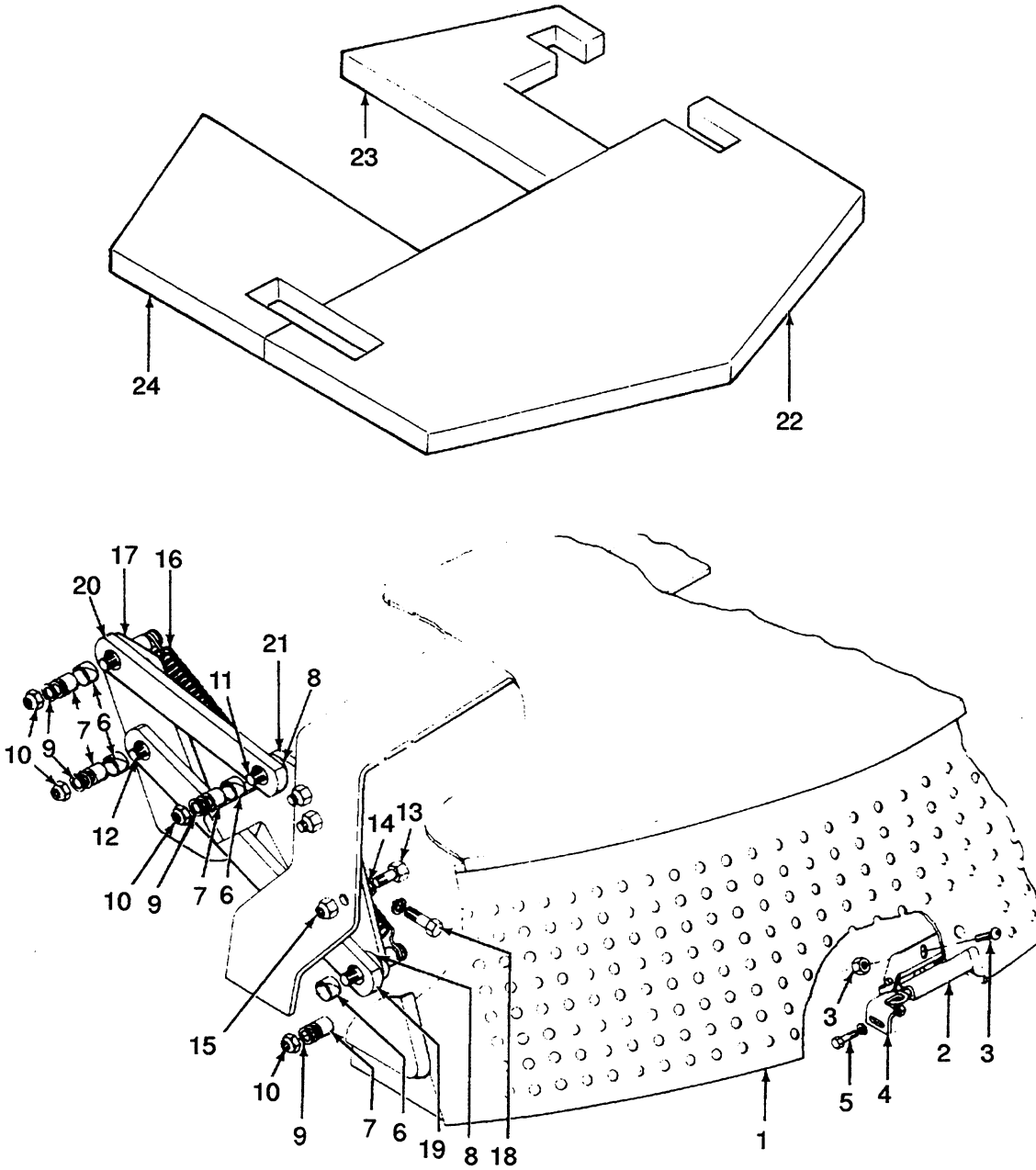


REF	PART NO.	NAME OF PART	A	B
1	.....	Seat	1	1
		☞ Figure 6		
2	137002	Plate	1	1
2	df 141710	Plate	1	1
2	ef 141711	Plate	..	..
2	g 144103	Plate (LH)	1	1
2	g 144104	Plate (RH)	1	1
3	16824	Capscrew	16	16
3	129263	Washer	16	16
3	15158	Lockwasher	16	16
4	.....	Hood	1	1
		☞ Figure 2		
5	ab 185773	Floor Plate	1	..
5	ab 218118	Floor Plate	1	..

REF	PART NO.	NAME OF PART	A	B
6	174413	Capscrew	6	6
6	121485	Bumper	3	3
7	ac 139164	Plate (OC)	..	1
7	ac 139168	Plate (PS)	1	..
8	137011	Cap	8	8
a	Also For GS And DS Trucks			
b	Rear			
c	Front			
d	Left Hand			
e	Right Hand			
f	Dual Wheel			
g	8.15 x 15 Tires			



## HOOD AND LINKAGE (Figure 2)



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