

PARTS MANUAL

CHALLENGER

H300-360XL

H330XL-EC

H360XL-EC

H13.00-16.00XL

H10.00XL-12EC

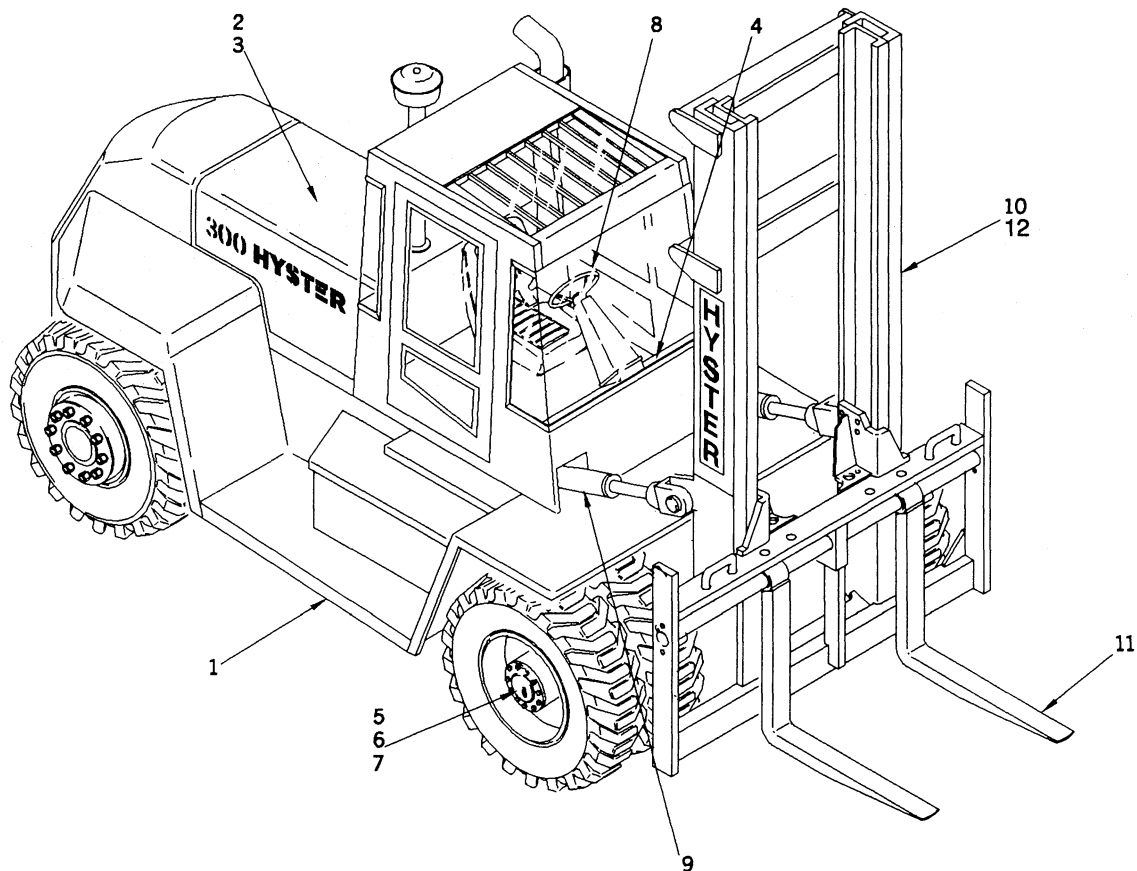
H12.00XL-12EC

(C19)

CUSTOMER EDITION



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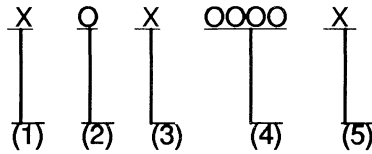
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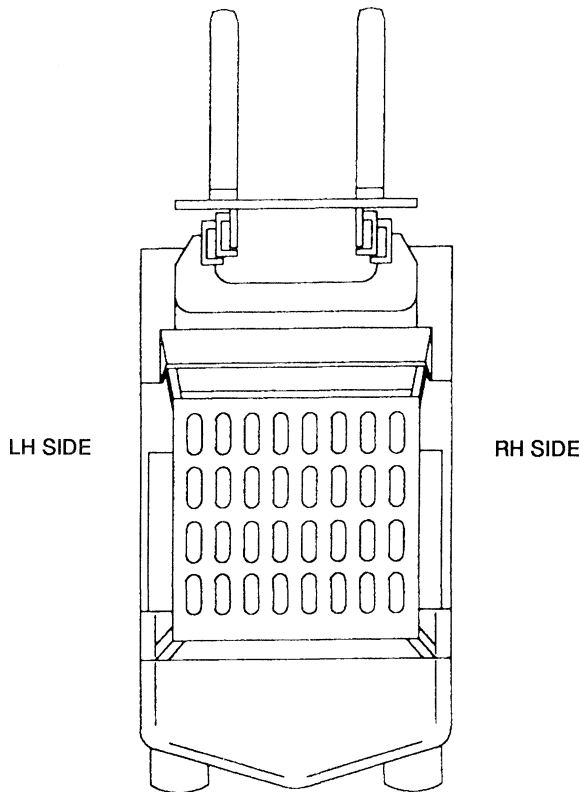
IDENTIFICATION-UNIT UNIT S/N



- (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

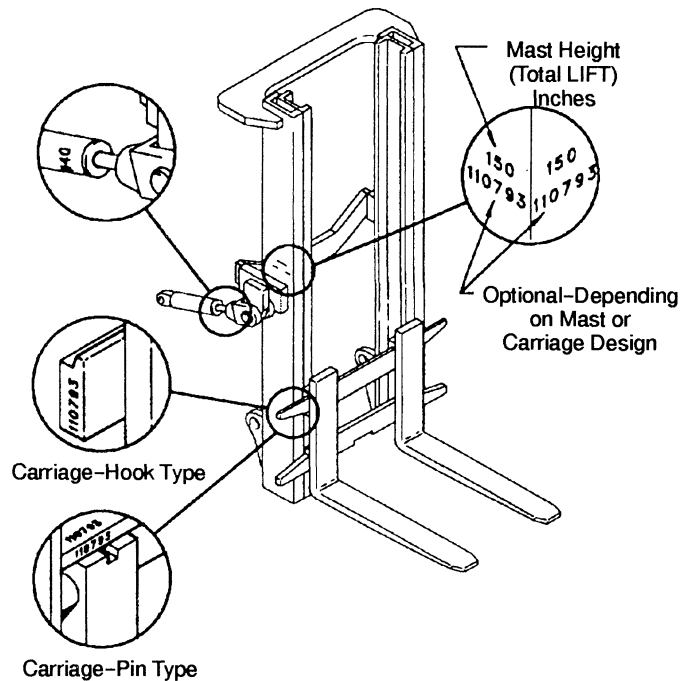
For pending serial numbers contact your local Hyster Dealer

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. Fork 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.

Diagram illustrating the use of the Illustrated Parts Manual, showing various sections and their relationships:

- 9**: INDEX-NUMERICAL (Page 207, SERIAL CODE E08)
- 5**: INDEX-MASTER (Page 2, SERIAL CODE B04)
- 3**: INDEX-ILLUSTRATED (Page 1, SERIAL CODE E08)
- 4**: TIRE/WHEEL (Page 169, SERIAL CODE L08)
- 6**: PARTS LIST (Table with columns: REF, PART NO, FIGURE NO, QTY, C, D, I)
- 7**: TIRE/WHEEL ASSEMBLY DIAGRAM (FIGURE 94)
- 8**: TIRE/WHEEL PARTS LIST (Table with columns: TIRE, SIZE, PART NUMBER)
- 1**: FORKTRUCK ASSEMBLY DIAGRAM
- 2**: FORKTRUCK PARTS LIST (Table with columns: REF, ITEM, PAGE)

INDEX-MASTER (Page 2, SERIAL CODE B04)

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AMPLIFIER-FLYWH	177
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INDEX-ILLUSTRATED (Page 1, SERIAL CODE E08)

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5	Transmission	65
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8	Brake	80
9	Hydraulic	80
10	Mast	111
11	Operator	126
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TIRE/WHEEL (Page 169, SERIAL CODE L08)

TIRE	SIZE	PART NUMBER
1	14.00 x 24-28 (D)	271569
2		
3		
4		
Tire/Tube Assy		115567
Tire/Flap		1274
Tube	14.00 x 24	169
Solid		
Tubeless	16.00 x 25-24 (D)	169

FIGURE 94 (continued)

REF	PART NO	FIGURE NO	QTY	C	D	I
1	133958	1	1			
2	134750	2	1			
3	134750	3	1			
4	4918	4	1			
5	134908	5	1			
6	4918	6	1			
7	162286	7	1			
8	162275	8	1			
9	162119	9	1			
10	162290	10	1			
11	162290	11	1			

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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 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 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.

Figure 1. 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.

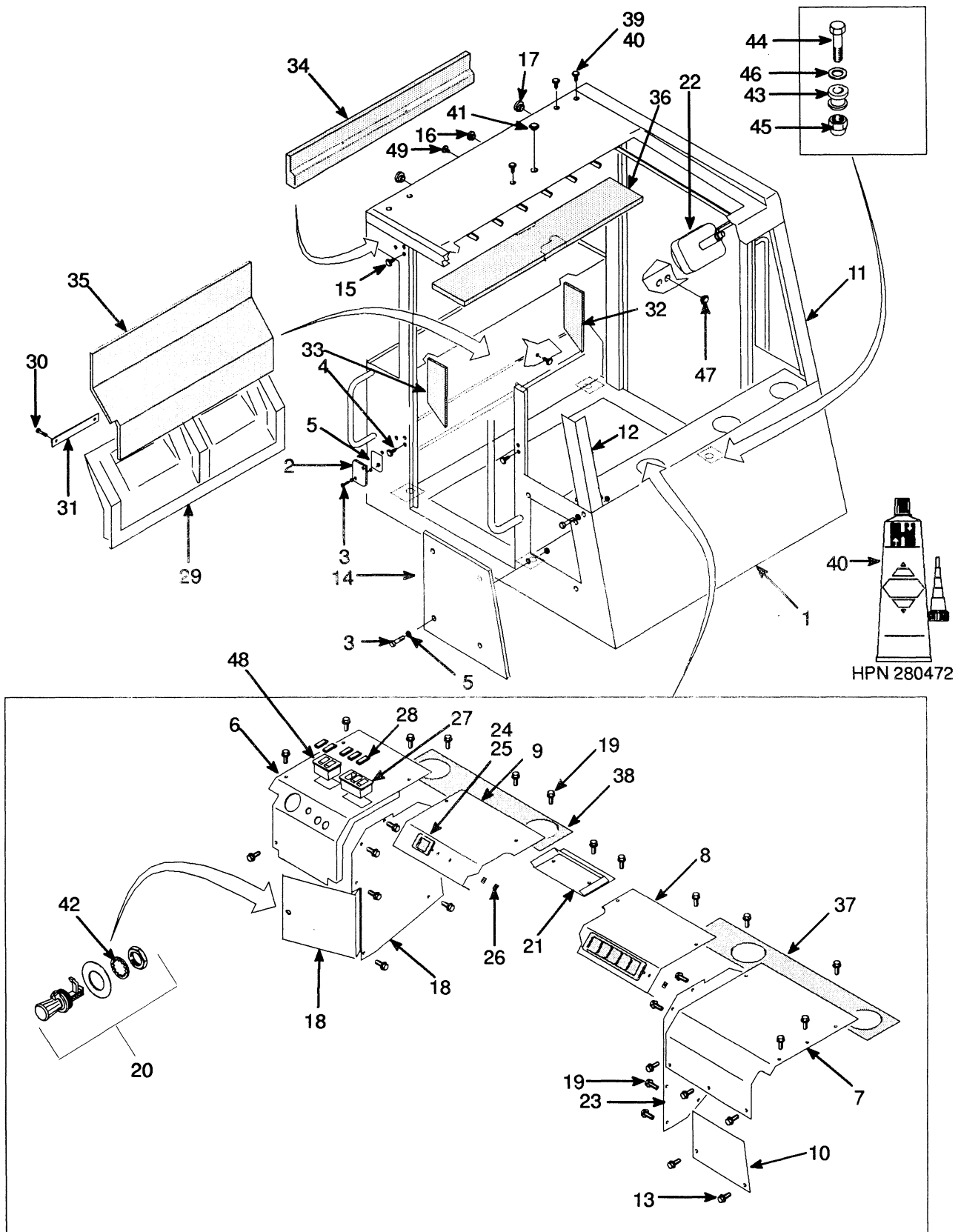
Operating Manual	
English	897342
Danish	857088
Dutch	857086
French	857082
German	857083
Portuguese	857087
Service Manual (complete)	897373
The Frame (100 SRM 436)	897377
Perkins Diesel Engine (600 SRM 412)	897341
The Three-Speed Powershift Transmission - Description and Operation (1300 SRM 437)	897378
Repairs (1300 SRM 438)	897379
The Differential (1400 SRM 46)	910072
The Planetary Gear Axle (1400 SRM 439)	897380
The Steering Control Unit (1600 SRM 54)	910076
The Steering Axle (1600 SRM 326)	897108
The Brake System (1800 SRM 441)	897382
The Hydraulic System (1900 SRM 443)	897384
The Main Control Valve (2000 SRM 444)	897385
The Tilt Control Valve (2100 SRM 102)	910101
The Tilt Cylinders (2100 SRM 103)	910102
The Alternator (2200 SRM 2)	899784
The Starter (2200 SRM 106)	910107
Instrument Panel Indicators and Senders (2200 SRM 143)	910110
The Mast (4000 SRM 445)	897386
Empty Container Handling Attachment (4500 SRM 465)	897416
Periodic Maintenance (8000 SRM 433)	897343
Capacities and Specifications (8000 SRM 447)	897388
Diagrams (8000 SRM 448)	897389
Inch (SAE) and Metric Fasteners (8000 SRM 231)	910442
 Parts Manual	 852453
Operator Training Program	
Operator Training Kit Complete	
Slide Format with Carry Case	599628
1/2" VHS Format with Carry Case	852165
"Safety is an Attitude" (1/2" VHS)	852690
"Safety Rules" Playing Cards	852695
 Sold Alone Catalog	 852505



FRAME

Compartment-Operator with Cab	12
Compartment-Operator without Cab	10
Control-Heater	22
Counterweight	29
Fan	30
Heater	18
Hood/Linkage	28
Labels/Paint	26
Plates-Floor/Covers	20
Seat-Semi-Suspension	24
Seat-Suspension	23
Washer-Window	31

**Figure 2. COMPARTMENT-OPERATOR
WITHOUT CAB**



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