



**MANITOU NORTH AMERICA, INC.**

6401 IMPERIAL DRIVE  
Waco, TX 76712-6803

***NOTE:** Manitou Forklift Manuals are continually updated and subject to change without prior notice. If your Forklift Mast Model or parts are not found in this manual, please contact your dealer or the Manitou North America Parts Department for the latest information and parts availability.*

**5500ER SERIES**

**5 STAGE MAST**

**6,000 LB. CAPACITY**

MODELS K5504.5ER THRU K5506ER

S/N: 550044 & ABOVE

**PARTS MANUAL**

For Parts Orders contact your Manitou North America Dealer or call:  
**Manitou North America, Parts Dept.** 800-425-3727 or (254) 799-0232  
Parts Dept. Fax: (254) 867-6504 Website: [www.manitou-na.com](http://www.manitou-na.com)

## GENERAL INFORMATION

The purpose of this catalog is to provide illustrations for identifying and ordering Mast components/parts. Because of the multitude of Mast Models and components utilized, the illustrations provide a general description and therefore may not show the *exact* shape or detail of the components/parts represented.

The Mast parts are identified by an Item Number on the illustration or picture page. Find the Item Number for the part desired, then locate that Item Number under the "Items" column following the illustration. The Part Number will be located directly to the right of the Item Number. Also provided is a part Description, Quantity of parts required and the mast Model number.

Most important when ordering parts, is providing the correct serial number as assigned to the mast at the factory. Keep accurate records of all modifications or improvements made to the mast after manufacture. (All Mast modifications must be authorized by K-D Manitou.) Notify the Parts Dept. of any changes that may affect your parts order.

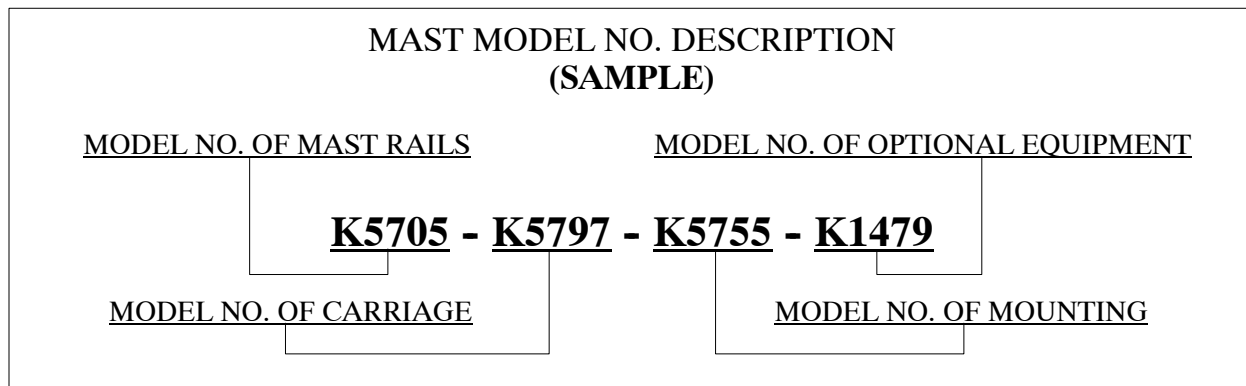
When ordering Mast parts or requesting technical information, the following numbers are required:

Mast Model Number: \_\_\_\_\_

Mast Serial Number: \_\_\_\_\_

*For quick reference it is recommended these numbers be recorded as soon as possible.*

The Mast Model Number is stamped on the Identification Plate located on the right side (as viewed from the driver's seat) of the Outer Rail, at or above eye level.

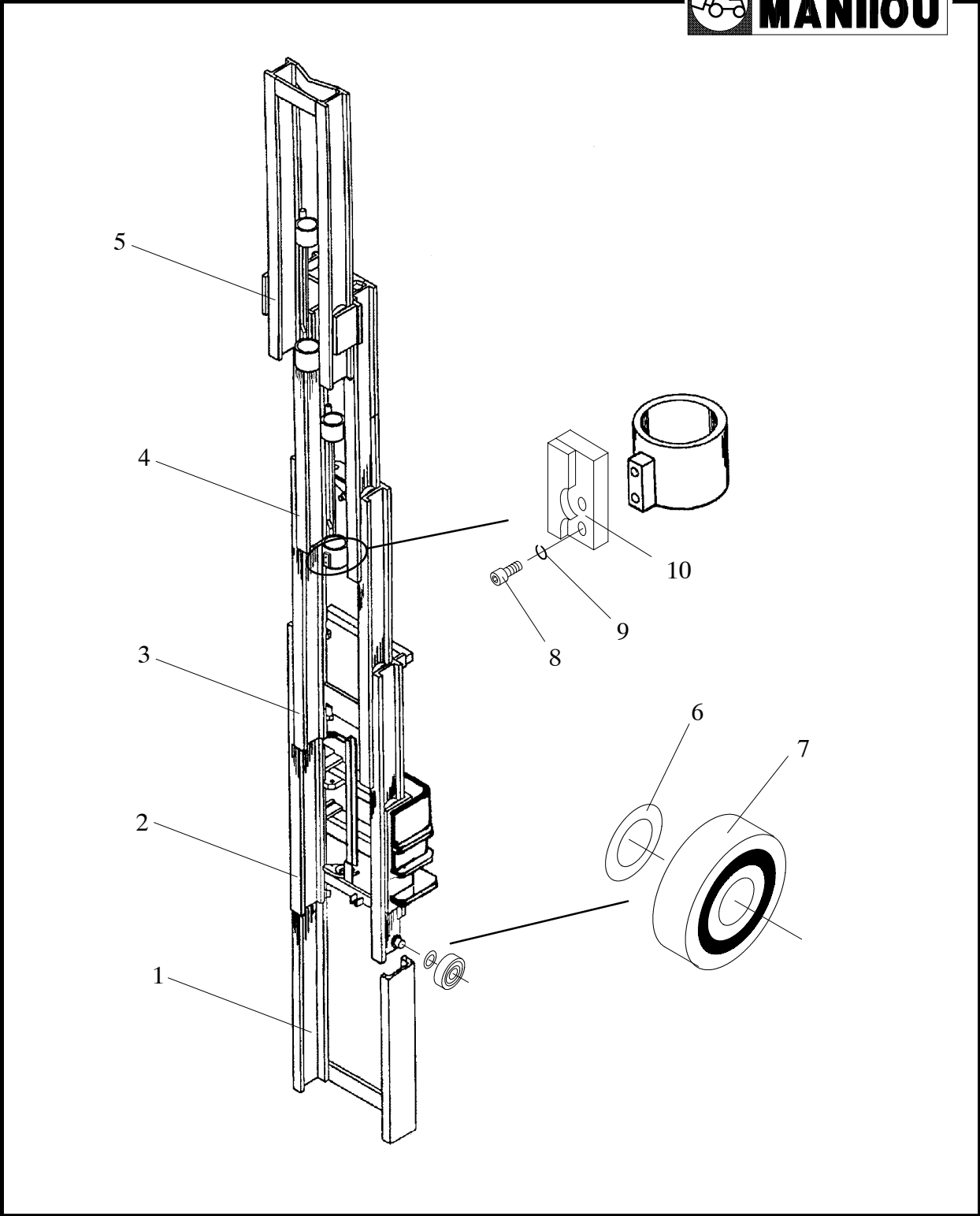


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***K-D Manitou, Inc., Parts Department*** 1-800-425-3727 or (254) 799-0232.  
Parts Dept. Fax: (254) 867-6504    Website: [www.kdmanitou.com](http://www.kdmanitou.com)

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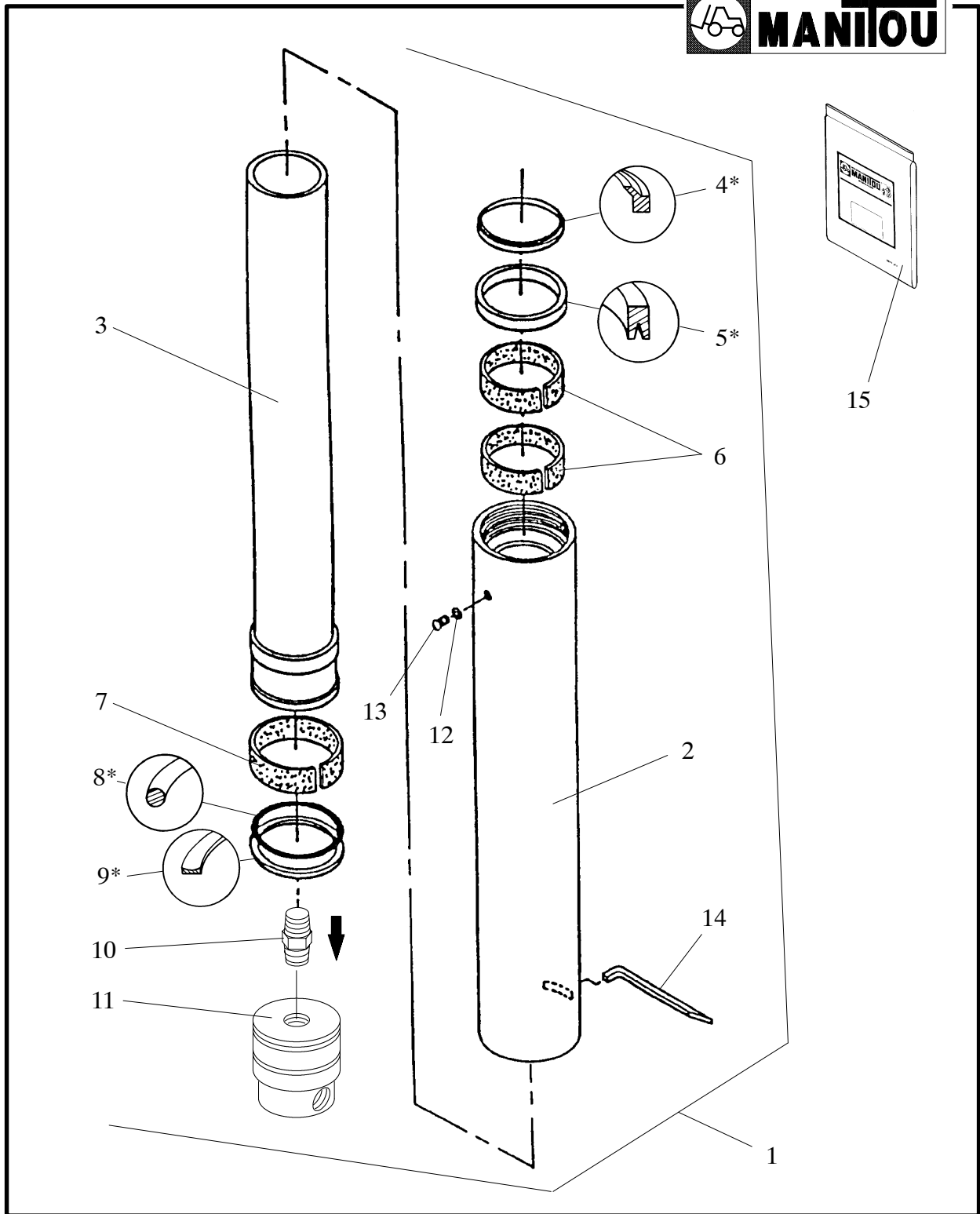
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# RAIL SYSTEM ASSEMBLY



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	R18490-9	Outer Rail Assembly	1	K5504.5ER
1	R18490-10	Outer Rail Assembly	1	K5505ER
1	R18490-11	Outer Rail Assembly	1	K5506ER
2	R18480-9	Outer Intermediate Rail	1	K5504.5ER
2	R18480-10	Outer Intermediate Rail	1	K5505ER
2	R18480-11	Outer Intermediate Rail	1	K5506ER
3	R18470-9	Inner Intermediate Rail	1	K5504.5ER
3	R18470-10	Inner Intermediate Rail	1	K5505ER
3	R18470-11	Inner Intermediate Rail	1	K5506ER
4	R18190-9	Inner Rail Assembly	1	K5504.5ER
4	R18190-10	Inner Rail Assembly	1	K5505ER
4	R18190-11	Inner Rail Assembly	1	K5506ER
5	R18310-9	5th Rail Assembly	1	K5504.5ER
5	R18310-10	5th Rail Assembly	1	K5505ER
5	R18310-11	5th Rail Assembly	1	K5506ER
6A	R22	Shim, .015"	A/R	All
6B	R426	Shim, .060"	A/R	
7	R2	Roller	16	
8	K302219	Screw, Cap	2	
9	K34807	Washer, Lock	2	
10	R19050	Guard Plate	1	

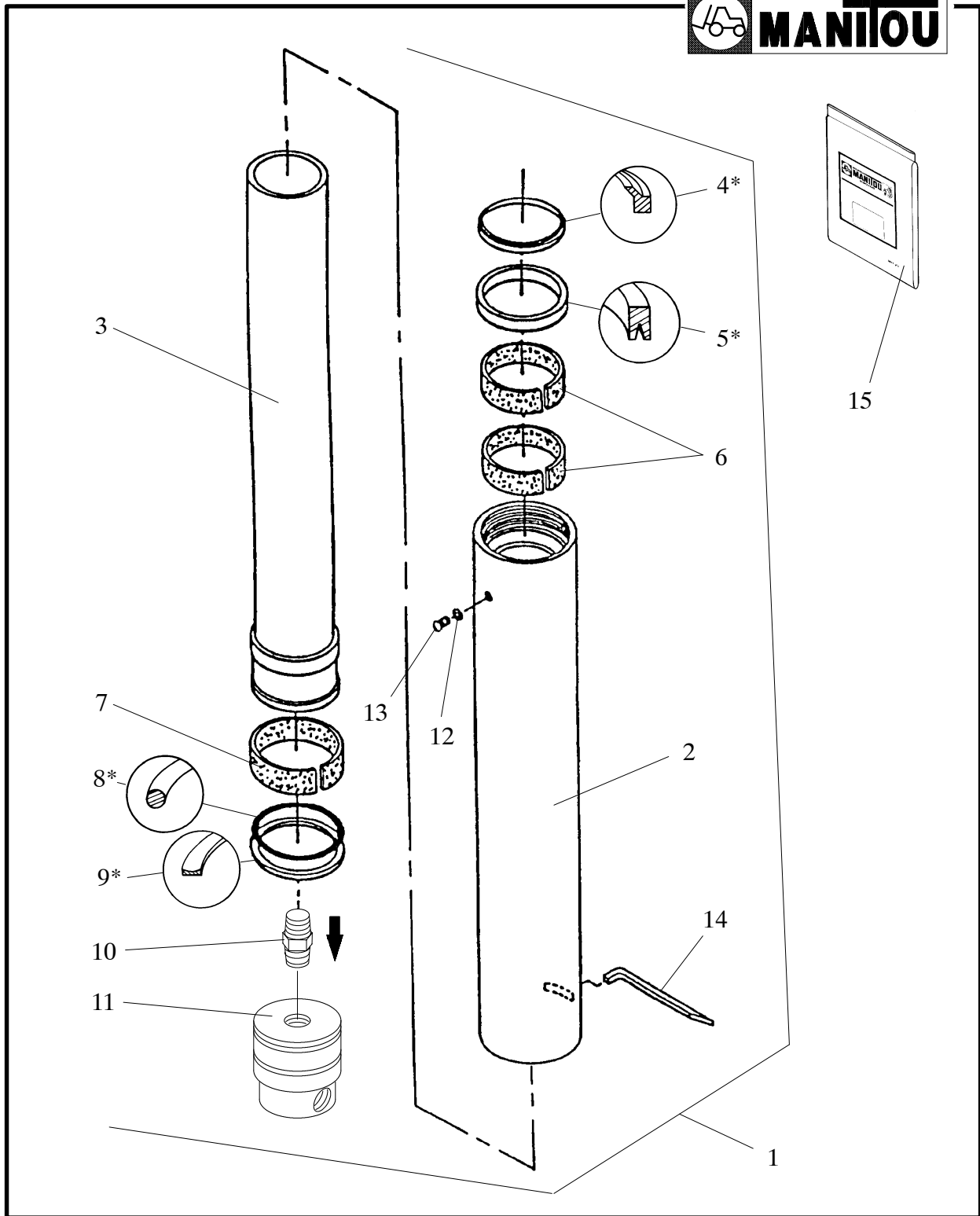
# PRIMARY CYLINDER ASSEMBLY, 4TH RAIL



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	R18405-9	Primary Cylinder, 4th Rail	1	K5504.5ER
1	R18405-10	Primary Cylinder, 4th Rail	1	K5505ER
1	R18405-11	Primary Cylinder, 4th Rail	1	K5506ER
2	R18410-9	Barrel Assembly	1	K5504.5ER
2	R18410-10	Barrel Assembly	1	K5505ER
2	R18410-11	Barrel Assembly	1	K5506ER
3	R18415-9	Piston Assembly	1	K5504.5ER
3	R18415-10	Piston Assembly	1	K5505ER
3	R18415-11	Piston Assembly	1	K5506ER
4*	R3639	Wiper	1	All
5*	R4551	Seal	1	
6	R2553	Ring, Wear	2	
7	R18409	Ring, Wear	1	
8*	K-342	"O" Ring	1	
9*	K8-342	Ring, Back-up	1	
10	R20047	Excess Flow Protector	1	
11	R18406	Plug, Base	1	
12	R2552	Seal Washer	1	
13	R2551	Screw, Button Head	1	
14	R2211-1	Lockwire	1	
15	R18405K	Seal Kit	1	

\* Included in Seal Kit R18405K (Item 15).

# PRIMARY CYLINDER ASSEMBLY, 5TH RAIL

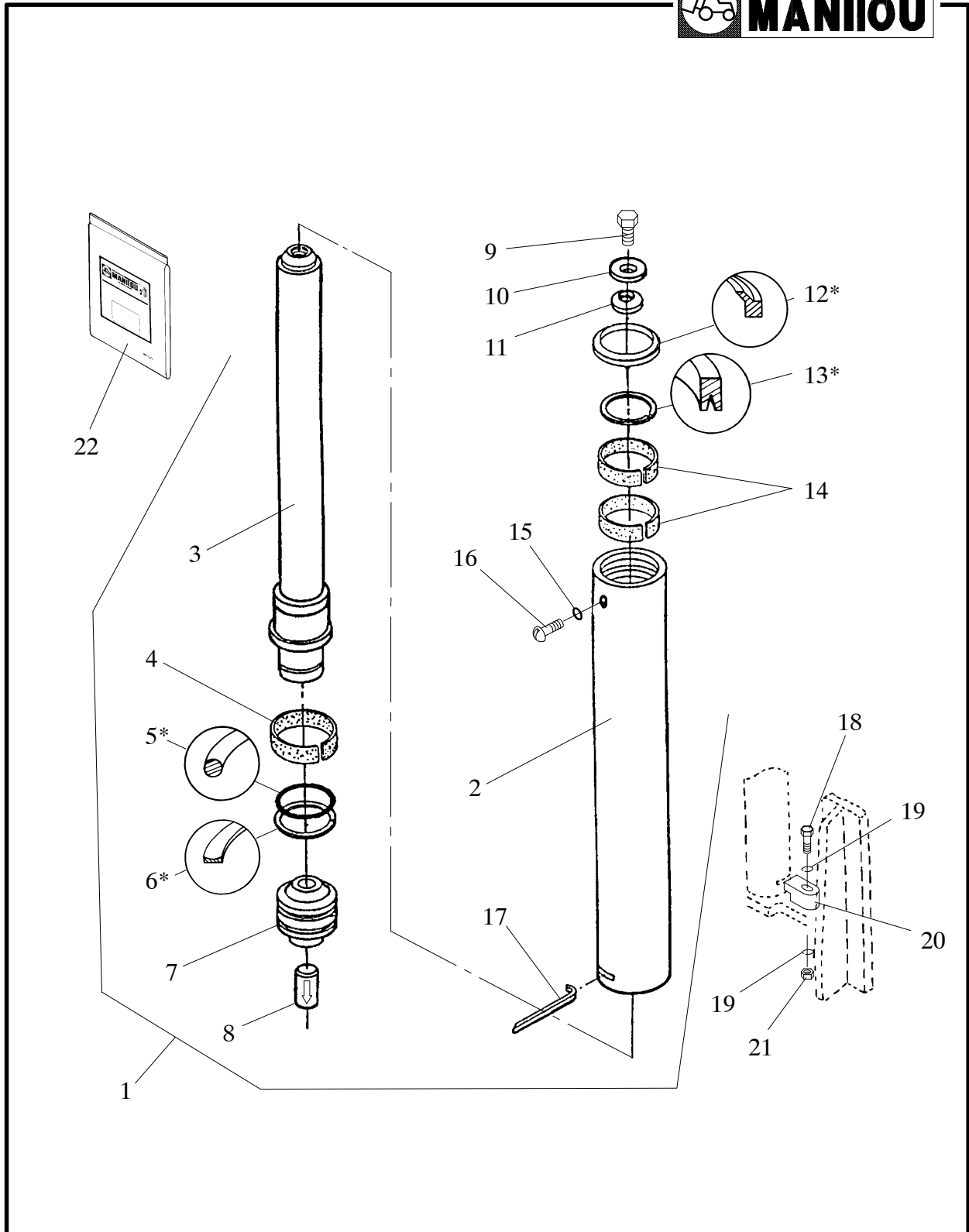




ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	R18095-9	Primary Cylinder, 5th Rail	1	K5504.5ER
1	R18095-10	Primary Cylinder, 5th Rail	1	K5505ER
1	R18095-11	Primary Cylinder, 5th Rail	1	K5506ER
2	R13790-9	Barrel Assembly	1	K5504.5ER
2	R13790-10	Barrel Assembly	1	K5505ER
2	R13790-11	Barrel Assembly	1	K5506ER
3	R18185-9	Piston Assembly	1	K5504.5ER
3	R18185-10	Piston Assembly	1	K5505ER
3	R18185-11	Piston Assembly	1	K5506ER
4*	R9166	Wiper	1	All
5*	R9009	Seal	1	
6	R9012	Ring, Wear	2	
7	R9013	Ring, Wear	1	
8*	K-340	"O" Ring	1	
9*	K-8-340	Ring, Back-up	1	
10	R20047	Excess Flow Protector	1	
11	R18096	Plug, Base	1	
12	R2552	Seal Washer	1	
13	R2551	Screw, Button Head	1	
14	R2211-9	Lockwire	1	
15	R18095K	Seal Kit	1	

\* Included in Seal Kit R18095K (Item 15).

# SECONDARY CYLINDER ASSEMBLY



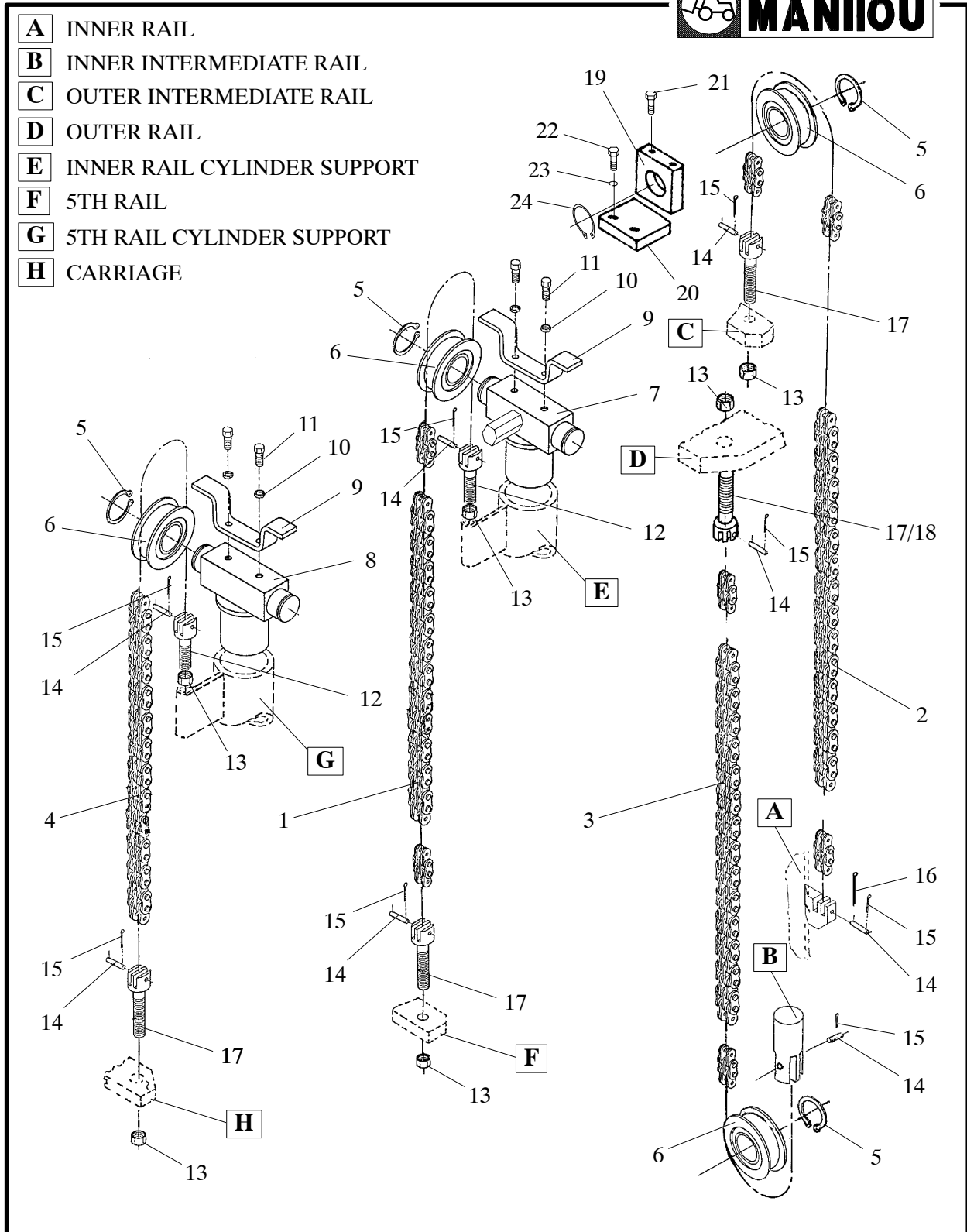
ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	R18425-9	Secondary Cylinder Assembly	2	K5504.5ER
1	R18425-10	Secondary Cylinder Assembly	2	K5505ER
1	R18425-11	Secondary Cylinder Assembly	2	K5506ER
2	R18430-9	Barrel Assembly	1	K5504.5ER
2	R18430-10	Barrel Assembly	1	K5505ER
2	R18430-11	Barrel Assembly	1	K5506ER
3	R18435-9	Piston Assembly	1	K5504.5ER
3	R18435-10	Piston Assembly	1	K5505ER
3	R18435-11	Piston Assembly	1	K5506ER
4	R5231	Ring, Wear	1	All
5*	K236	"O" Ring	1	
6*	K8-236	Ring, Back-up	1	
7	R18434	Plug, Base	1	
8	R18451	Flow Protector (R.H. Cyl Only)	1	
9	K45741	Bolt, Hex	1	
10	K44742	Washer, Flat	1	
11	R10328	Shim	A/R	
12*	R5226	Wiper	1	
13*	R5228	Seal	1	
14	R5229	Ring, Wear	2	
15	R2552	Washer, Seal	1	
16	R2551	Screw, Button Head	1	
17	R2211-3	Lockwire	1	
18	K20520	Bolt, Hex	1	
19	K34806	Washer, Lock	2	
20	R13786	Block, Anti-rotation	1	
21	K33797	Nut, Hex	1	
22	R18425K	Seal Kit	1	

\* Item included in Seal Kit R18425K (Item 22).

# CHAIN SYSTEM ASSEMBLY



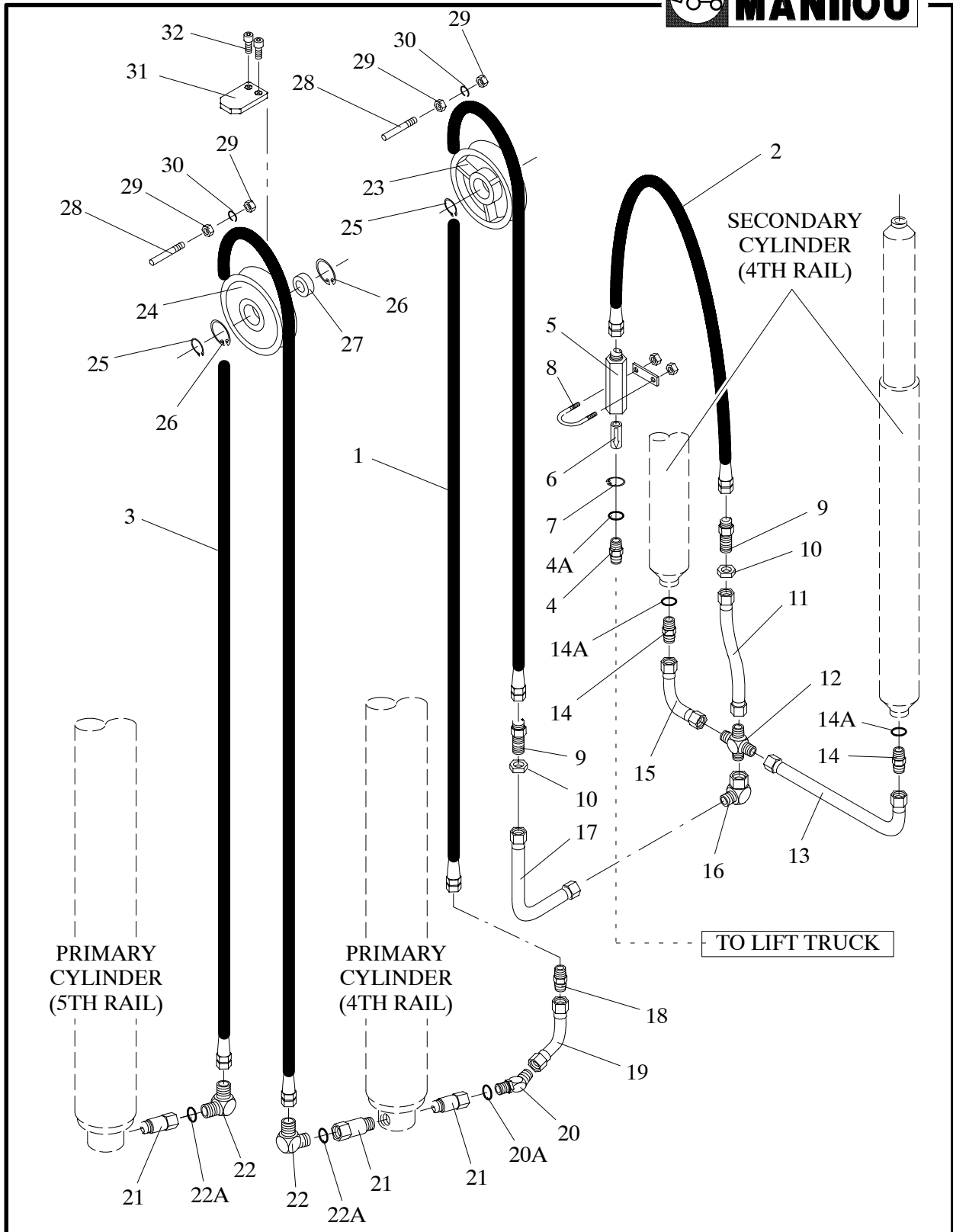
- A** INNER RAIL
- B** INNER INTERMEDIATE RAIL
- C** OUTER INTERMEDIATE RAIL
- D** OUTER RAIL
- E** INNER RAIL CYLINDER SUPPORT
- F** 5TH RAIL
- G** 5TH RAIL CYLINDER SUPPORT
- H** CARRIAGE



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	R9481-9	Primary Chain	2	K5504.5ER
1	R9481-11	Primary Chain	2	K5505ER
1	R9481-12	Primary Chain	2	K5506ER
2	R9481-22	Secondary Chain, (Upper)	2	K5504.5ER
2	R9481-24	Secondary Chain, (Upper)	2	K5505ER
2	R9481-24	Secondary Chain, (Upper)	2	K5506ER
3	R9481-25	Tertiary Chain, (Lower)	2	K5504.5ER
3	R9481-26	Tertiary Chain, (Lower)	2	K5505ER
3	R9481-26	Tertiary Chain, (Lower)	2	K5506ER
4	R9481-9	5th Rail Chain	2	K5504.5ER
4	R9481-11	5th Rail Chain	2	K5505ER
4	R9481-11	5th Rail Chain	2	K5506ER
5	K97541	Snap Ring	8	All
6	R186	Sheave, Chain	8	
7	R18465	Crosshead, 4th Rail	1	
8	R18320	Crosshead, 5th Rail	1	
9	R13718	Chain Guide	2	
10	K34807	Washer, Lock	4	
11	K304722	Bolt, Hex	4	
12	R9483	Chain Anchor (4 1/4" long)	4	
13	R32	Nut, Stop	12	
14	R189-3	Chain Pin	16	
15	K72016	Cotter Pin (3/4")	26	
16	K72106	Cotter Pin (2")	2	
17	R9484-4	Chain Anchor (6 1/8" long)	8	All except K5506ER
17	R9484-4	Chain Anchor (6 1/8" long)	6	K5506ER only
18	R9484-3	Chain Anchor (5 1/8" long)	2	K5506ER only
19*	R18673	Support, Shaft	2	
20*	R18664	Support, Chain Sheave	2	
21*	K20708	Bolt, Hex	4	
22*	K302264	Bolt, Hex	4	
23*	K34807	Washer, Lock	4	
24*	R13453-17	Ring, Snap	2	

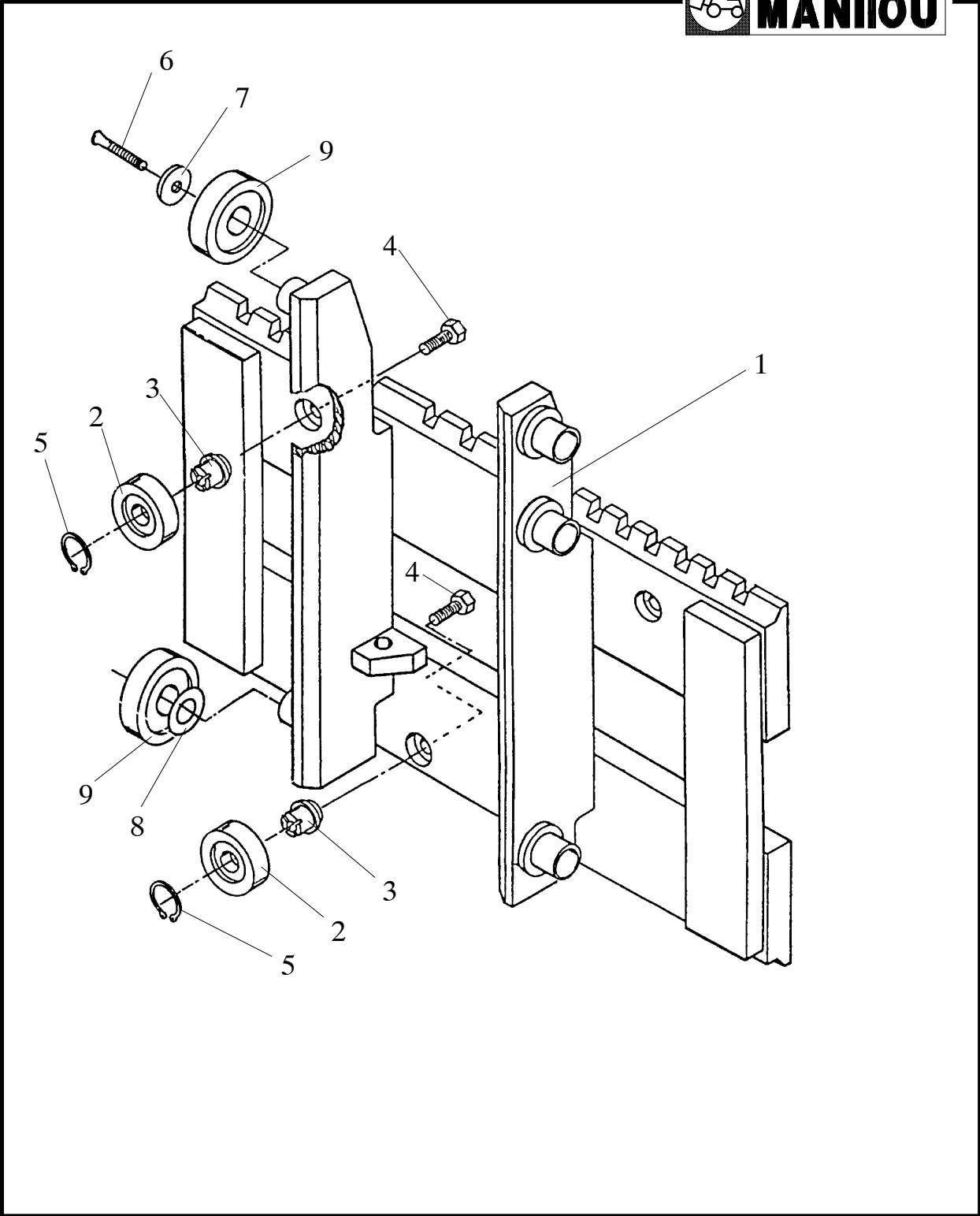
\* For use on Masts Serial Numbers: 550064 thru 550075, 550062 and Below.

# HYDRAULIC SYSTEM ASSEMBLY



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	B760-1628	Primary Hose Assembly	1	K5504.5ER
1	B760-1424	Primary Hose Assembly	1	K5505ER
1	B760-1646	Primary Hose Assembly	1	K5506ER
2	B760-1629	Secondary Hose Assembly	1	K5504.5ER
2	B760-1432	Secondary Hose Assembly	1	K5505ER
2	B760-1634	Secondary Hose Assembly	1	K5506ER
3	B760-1627	Carrier Hose Assembly	1	K5504.5ER
3	B760-1423	Carrier Hose Assembly	1	K5505ER
3	B760-1645	Carrier Hose Assembly	1	K5506ER
4	K62-12	Connector, w/ O-Ring	1	All
4A	K912	O-ring		
5	R13714	Regulator, Body	1	
6	R18452	Regulator, Flow	1	
7	K97615	Ring, Snap	1	
8	R17261	U-bolt w/ Hardware	1	
9	K104-10	Union, Bulkhead	2	
10	K52-10	Nut, Lock	2	
11	R18475	Tube Assembly	1	
12	R5002-10	Fitting, Cross Tee	1	
13	R18675	Tube Assembly	1	
14	K62-10	Connector, w/ O-Ring	2	
14A	K910	O-ring		
15	R18485	Tube Assembly	1	
16	K71-10	90 <sup>0</sup> Elbow	1	
17	R18645	Tube Assembly	1	
18	K4-10	Adapter	1	
19	R13720	Tube Assembly	1	
20	K65-10	45 <sup>0</sup> Elbow, w/ O-Ring	1	
20A	K910	O-Ring	1	
21	R13776	Fitting, Port	1	
22	K66-10	Fitting, w/ O-Ring	2	
22A	K910	O-Ring		
23	R18672	Hose Sheave, Plastic	1	
24	R12367	Hose Sheave, Steel	1	
25	R7333	Snap Ring, External	2	
26	R7332	Snap Ring, Internal	2	
27	R2362	Bearing	1	
28	R13713	Stud	4	
29	K33799	Nut, Hex	8	
30	K34807	Washer, Lock	4	
31	R23167	Bar, Hose Guard	1	
32	K302208	Screw, Soc. Hd.	2	

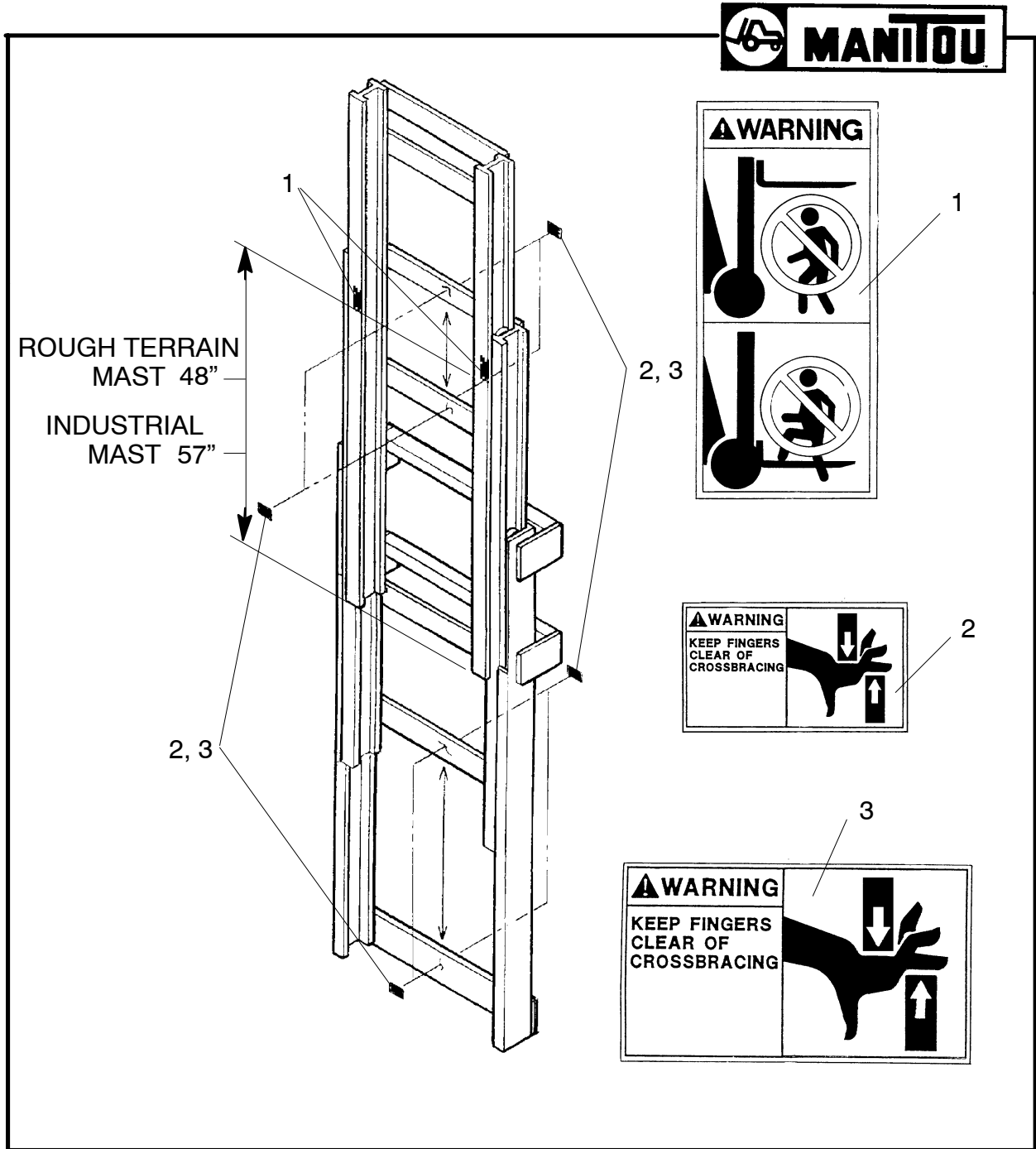
# CARRIAGE ASSEMBLY





ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	R25370	Carriage Weldment, 42" wide	1	K5562
1	R12955-1	Carriage Weldment, 37" wide	1	K5580
1	R12955-2	Carriage Weldment, 42" wide	1	K5581
1	R18245-2	Carriage Weldment, 42" wide	1	K5585
1	R22490	Carriage Weldment, 37" wide	1	K5595
2	R1	Roller	4	All
3	R3561	Shaft, Eccentric	4	
4	R3564	Bolt, Lock	4	
5	K97535	Ring, Snap	4	
6	R1811	Screw, Socket Head	2	
7	R13452	Washer	2	
8A	R22	Shim, .015"	A/R	
8B	R426	Shim, .060"	A/R	
9	R2	Roller	6/8	

# DECALS



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	426641	Decal, "Fork Safety"	2	ALL
2	426642	Decal, "Pinch Point" (Small)	A/R	
3	426643	Decal, "Pinch Point" (Large)	A/R	

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