



Towmotor

Parts Manual

**391, 392S, 421, 422S, 461,
462S, 501, 502S, 600P, 601P
Series Forklifts**

JENSALES.COM

or Call 800-443-0625

JENSALES

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
TOWMOTOR OR IT'S SUCCESSORS. TOWMOTOR AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

TOW-P-FL 391+

Parts Manual

TOWMOTOR

MANUAL PREVIEW

PARTS MANUAL

JENSALES®

purchase full manual at

FORKLIFTS

JENSALES.COM

or call 800-454-4525

#391, 392S, 421, 422S, 461, 462S,
501, 502S, 502P, 600S, 601P SERIES

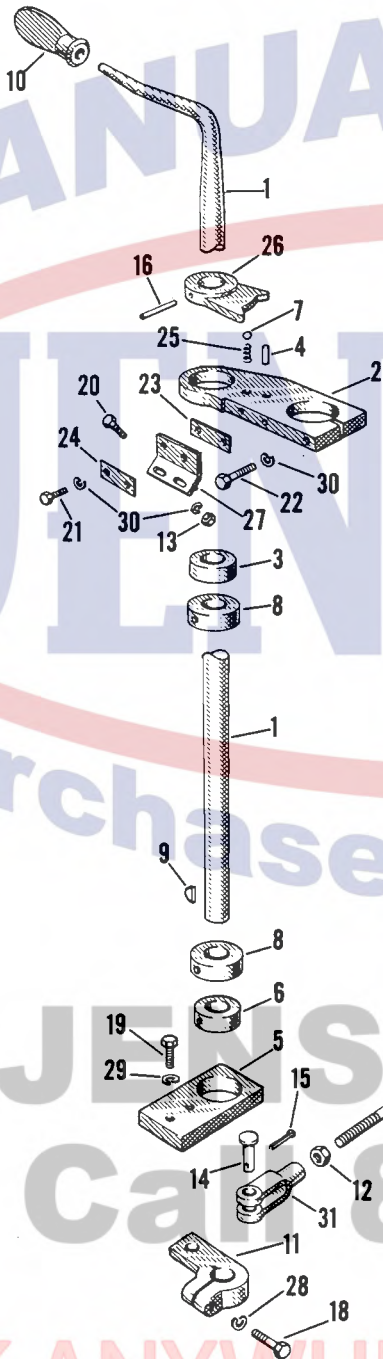
TOWMOTORQUE

SP15-9 -- SHIFT LEVER LINKAGE AND SUPPORT

Model 501-P, Serial No. 501-P610147 or Above

Model 600-P, All Models

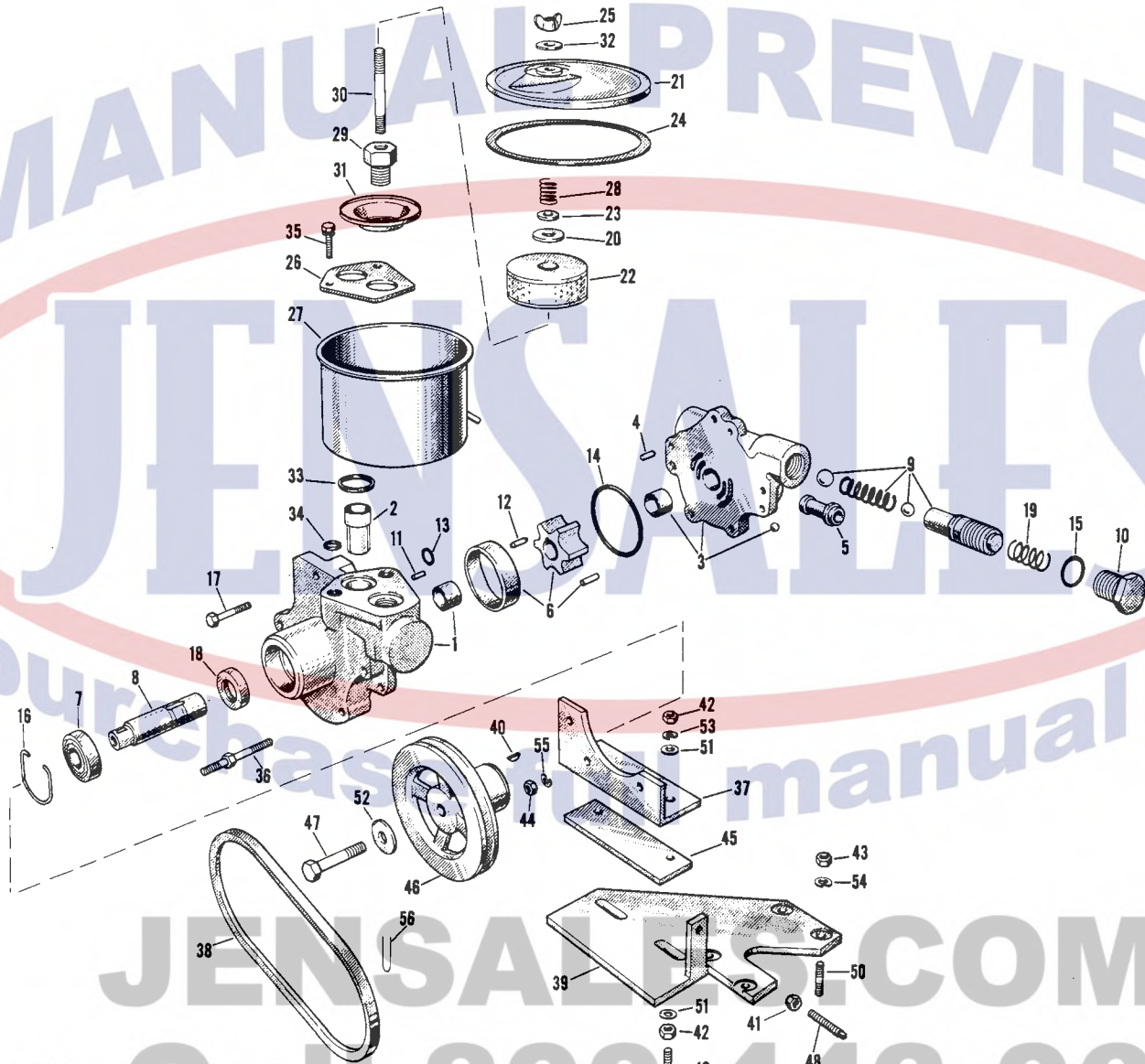
T-2678



Ref. No.	Part No.	DESCRIPTION	No. Req'd.
1	54290	LEVER, forward and reverse shift	1
2	54082	BRACKET and BUSHING ASSEMBLY (upper).	1
3	52490	BUSHING, self-aligning.	1
4	56340	PIN, shift lever stop (5/16 x 1)	1
5	54078	SUPPORT and BUSHING ASSEMBLY (lower).	1
6	52490	BUSHING, self-aligning	1
7	169108	BALL, shift lever detent	1
8	A-1230	COLLAR and SET SCREW, shift lever	2
9	103905	KEY, Woodruff, shift lever (No. 5)	1
10	30378	KNOB, shift lever.	1
11	29321	LEVER, lower	1
12	103025	NUT, hex., shift rod (5/16-24NF)	2
13	103026	NUT, hex., support to cowl screw (3/8-24NF).	2
14	114784	PIN, clevis, shift rod	2
15	107762	PIN, cotter, shift rod clevis pin (3/32 x 5/8).	2
16	443024	PIN, shift lever stop to shift lever	1
17	56039	ROD, forward and reverse shift	1
18	179860	SCREW, cap, lower lever (7/16-14NC x 1-1/4, hex-hd.)	1
19	181431	SCREW, cap, lower support (1/2-20NF x 1-1/2, hex-hd.)	2
20	181364	SCREW, cap, support to cowl (3/8-24NF x 1, hex-hd.)	2
21	179839	SCREW, cap, support to bracket (3/8-16NC x 1, hex-hd.)	2
22	179848	SCREW, cap, upper bracket (3/8-16NC x 2-1/4, hex-hd.)	1
23	54085-C1	SHIM, between support and bracket (16 gauge thick).	AR
23	54085-C2	SHIM, between support and bracket (1/8 inch thick).	AR
23	54085-C3	SHIM, between support and bracket (3/16 inch thick).	AR
24	54085-C2	SHIM, under support screw heads (1/8 inch thick).	1
25	49898	SPRING, shift lever ball detent.	1
26	54084	STOP, shift lever.	1
27	54091	SUPPORT, upper bracket to cowl.	1
28	103322	WASHER, lock, lower lever screw (7/16)	1
29	103323	WASHER, lock, lower support screw (1/2).	2
30	103321	WASHER, lock, upper bracket and support screw (3/8)	5
31	104037	YOKE, adjustable, shift rod	2

**PARTS INDENTED ARE INCLUDED IN THE ASSEMBLY UNDER WHICH THEY ARE INDENTED.
ALWAYS FURNISH TOWMOTOR SERIAL NUMBER WHEN ORDERING PARTS.**

FOR USE WITH POWER STEERING ONLY



19-4 -- POWER STEERING HYDRAULIC PUMP AND MOUNTING

T-2627

**PARTS INDENTED ARE INCLUDED IN THE ASSEMBLY UNDER WHICH THEY ARE INDENTED.
ALWAYS FURNISH TOWMOTOR SERIAL NUMBER WHEN ORDERING PARTS.**

FOR USE WITH POWER STEERING ONLY

19-4 -- POWER STEERING HYDRAULIC PUMP AND MOUNTING

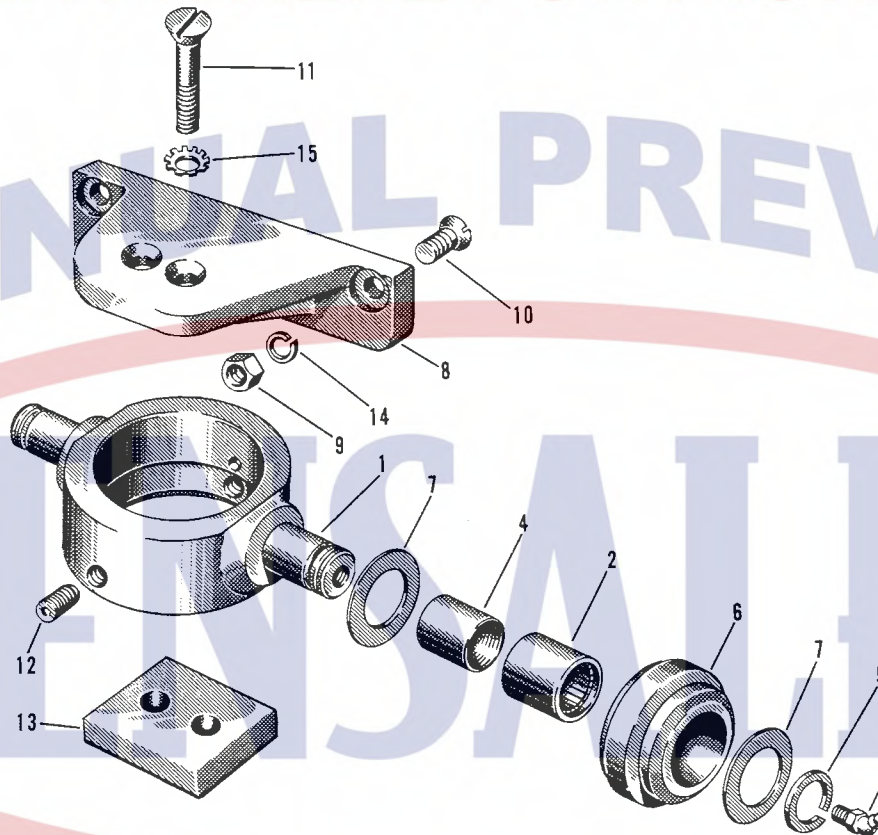
Model 501-P, Serial No. 501-P610105 or Above
Model 600-P, All Models

NOTE: For 501-P, Serial No. 501-P610104 or Below, Refer to Section 19-R Variation-1

Ref. No.	Part No.	DESCRIPTION	No. Req'd.
	54999	HYDRAULIC PUMP ASSEMBLY w/Reservoir	1
	55305	BASE PUMP ASSEMBLY w/o Reservoir	1
1	55306	BODY ASSEMBLY	1
2	55307	VENTURI, flow director	1
3	55311	COVER ASSEMBLY, body	1
4	32532	PIN, dowel, body cover	2
5	55313	SEAT, tube, body cover	1
6	55320	KIT, service, cam assembly.	1
	55308	SHAFT and BEARING ASSEMBLY	1
7	32535	BEARING, ball	1
8	55309	SHAFT	1
9	55310	VALVE ASSEMBLY, flow control.	1
10	55315	CAP, flow control valve.	1
11	55319	PIN, dowel, cam	1
12	32545	PIN, drive, carrier.	1
13	55317	RING, seal, by-pass	1
14	55316	RING, seal, body to cover	1
15	32543	RING, seal, cap, flow control valve	1
16	32544	RING, snap, ball bearing retaining	1
17	55318	SCREW, body to cover (3/8-16NC x 2 hex-hd.).	2
18	32530	SEAL, oil, pump shaft	1
19	55314	SPRING, flow control valve cap	1
	55321	RESERVOIR ASSEMBLY	1
20	32560	CAP, filter.	1
21	55330	COVER, reservoir	1
22	32564	ELEMENT, filter.	1
23	55332	GASKET, filter cap.	1
24	55324	GASKET, reservoir cover.	1
25	55327	NUT, wing, reservoir cover (5/16-18NC)	1
26	55328	PLATE, reservoir	1
27	55322	RESERVOIR	1
28	55323	SPRING, reservoir	1
29	55325	STUD, reservoir mounting	1
30	55331	STUD, cover.	1
31	55326	SUPPORT, filter	1
32	55329	WASHER, flat, cover	1
33	55334	GASKET, reservoir intake and return	2
34	55333	GASKET, reservoir mounting screw.	2
35	32570	SCREW and LOCKWASHER, reservoir mounting(5/16-18NC x 3/4 hex-hd.)	2
36	42196	STUD, pump mounting	3
37	48618	ANGLE, pump mounting	1

**PARTS INDENTED ARE INCLUDED IN THE ASSEMBLY UNDER WHICH THEY ARE INDENTED.
ALWAYS FURNISH TOWMOTOR SERIAL NUMBER WHEN ORDERING PARTS.**

HIGH FREE LIFT MAST



SP 34-1 -- MAST CROSSHEAD AND ROLLERS

Note: Used on Model LT35 2000# @ 24" Serial No. 3552662 or Below
 Used on Model LT35 1500# @ 15" Serial No. 3553627 or Below

T-2174

Ref. No.	Part No.	DESCRIPTION	No. Req'd.
	16093	CROSSHEAD ASSEMBLY.	1
1	16094	CROSSHEAD	1
2	12225	BEARING, needle	2
3	109460	FITTING, lubricant	2
4	A-3344	RACE, chain roller bearing	2
5	14456	RING, snap, chain roller	2
6	A-3363	ROLLER, chain	2
7	A-3364	WASHER, thrust, chain roller	4
8	16098	BRACKET, cylinder mounting	1
9	103028	NUT, hex., bracket to mast screw (1/2 - 20NF)	4
10	141448	SCREW, bracket to mast (1/2 - 20NF x 1-1/2, flat-hd., slotted mach.)	4
11	111094	SCREW, hoist cylinder to bracket (7/16 - 20NF x 1, flat-hd., slotted mach.)	2
12	102582	SCREW, set, crosshead mounting (5/16 - 18NC x 1/2, hex., soc., cup-pt.)	2
13	21443	SPACER, crosshead (Used only when originally equipped)	1
14	103323	WASHER, lock, bracket to mast screw (1/2)	4
15	114619	WASHER, lock, hoist cylinder to bracket screw (7/16, external tooth)	2

PARTS INDENTED ARE INCLUDED IN THE ASSEMBLY UNDER WHICH THEY ARE INDENTED.
 ALWAYS FURNISH TOWMOTOR SERIAL NUMBER WHEN ORDERING PARTS.