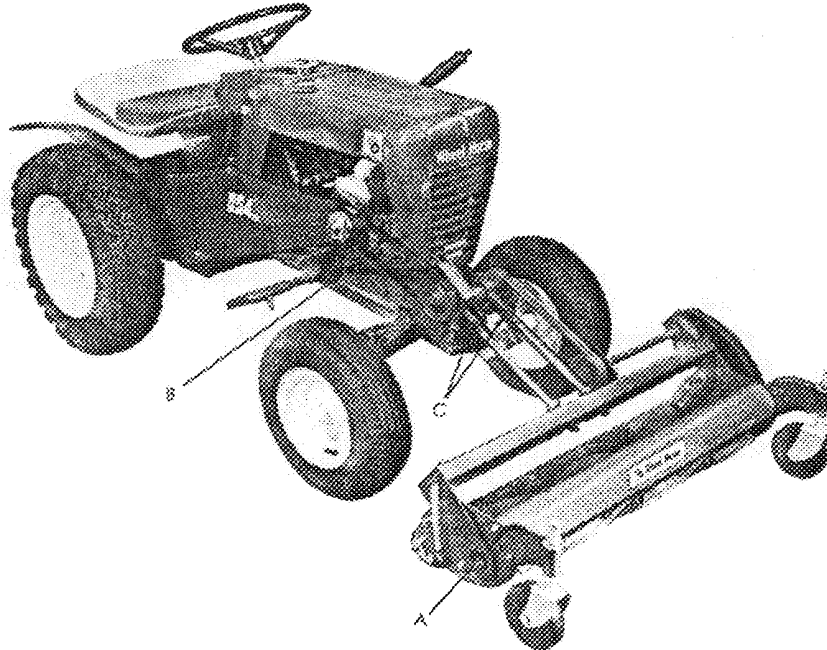


## PARTS LIST AND INSTRUCTIONS



WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

# FRONT REEL MOWER LMR-304



### ASSEMBLY

Your front mounted reel mower is shipped complete in one carton. There are two main parts. The cutting unit and the mower mounting unit. Remove both items from the box, along with the bag of parts, and set in front of your tractor.

Place the right end of the mounting unit "A" over the hub of the cutting unit, then the same with the left end. Place the sprocket Part 2490, on the reel shaft, with the hub towards the outside. Put the chain on next, adjusting the sprockets for alignment, then tighten set screws in sprockets. Install the chain guard, using the #8 x  $\frac{3}{8}$  Machine Screws, Part 908998-4.

Mount the front mounting support, Part 2578 to the frame of the tractor, using the  $\frac{3}{8}$ -16 x 8 Machine Bolt, Part 900853-4, in the first hole of the tractor frame and secure with  $\frac{3}{8}$ -16 Nylock Nut, Part 915113-6, and two  $\frac{3}{8}$ -16 x 1 Hex Bolts, Part 908034-4, and  $\frac{3}{8}$ -16 Nylock Nuts, Part 915113-6.

Install the belt, Part 1566, to the engine pulley and the pulley on the mower gear box, Part 1611. Next attach the lift bar, Part 4596, to the tractor lift lever with the bend towards the tractor and secure with Hair Pin Cotter, Part S-52-3. Attach the other end of the lift bar to the lift assembly, Part 4638, and secure with Bolt, Part 908034-4, and Nylock Nut, Part 915113-6.

Install the clutch bar "B", Part 5250, to the gear box, Part 2536, and secure with a cotter pin, part

932017-4. Install the other end of clutch bar to the tractor attachment clutch pedal. Use the slot adjustment for proper belt tension and secure with brace, Part 4404, and  $\frac{3}{8}$ -16 x 1 Hex Bolt, Part 908034-4, and Nylock Nut, Part 915113-6.

### OPERATION

The dual belts may be adjusted by turning the hanger rod assemblies "C" one way or the other, depending on the adjustment desired.

Make sure that the hanger rod assemblies are adjusted evenly so that the pulleys are in proper alignment.

**NOTE:** Before operating, fill gear box with a good grade of SAE 90 gear lube to the level of filler plug. The oil level should be checked after every 10 hours of operation.

**CAUTION:** Never attempt to remove debris from the reel with the engine running.

It is not advisable to mow where there are rocks, or other debris. Hitting rocks will nick the blade and throw the assembly out of balance.

The blades should be kept sharp for better cutting.

Please remember, the performance you get from your mower depends upon the way it is cared for.

# PARTS LIST

When ordering parts always list Part No. and name of part.

Ref. No.	Part No.	Description	No. Req'd.	Ref. No.	Part No.	Description	No. Req'd.	
1	2536	Gear Box	1	56	908033-4	Bolt — Hex. $\frac{3}{8}$ -16 x $\frac{3}{8}$	2	
2	5252	Cover	1	57	900853-4	Bolt — Square Head $\frac{3}{8}$ -16 x 8	1	
3	2537	Gasket	1	58	5250	Ass'y. Clutch Bar	1	
4	908002-4	Bolt — Hex $\frac{1}{4}$ -20 x $\frac{3}{8}$	4	59	4404	Brace	1	
5	920081-4	Lockwasher $\frac{1}{4}$ Dia.	6	60	932017-4	Cotter Pin $\frac{1}{8}$ x 1	2	
6	909848-6	Set Screw $\frac{1}{4}$ -20 x $\frac{1}{4}$ Nylock	5	61	4596	Ass'y. Lift Bar	1	
7	910057-4	Fillister Hd. Mach. Screw $\frac{1}{4}$ -20 x $\frac{3}{8}$	1	62	S-52-3	Hairpin	1	
8	2595	Bracket	1	63	4627	Spacer	2	
9	908003-4	Bolt — Hex $\frac{1}{4}$ -20 x $\frac{3}{4}$	1	64	1014	Spring	1	
10	943418-4	Plug $\frac{1}{8}$ -27 Pipe Sq. Head	1	65	2534	Clip	1	
11	2522	Shaft — Drive	1	66	4441	Ass'y. Belt Idler	1	
12	1303	Seal — Oil	2	67	3385	Screw — Rd. Hd. Mach. $\frac{3}{8}$ -24 x $\frac{3}{4}$ (Lauson)	1	
13	1538	Bearing — Needle	1	68	908030-4	Bolt — Hex $\frac{3}{8}$ -16 x $\frac{1}{2}$ (Kohler)	1	
14	2526	Gear	1	69	920123-4	Lockwasher $\frac{5}{16}$ External Tooth (Lauson)	1	
15	1278	Washer — Thrust	2	70	920124-4	Lockwasher $\frac{3}{8}$ External Tooth (Kohler)	1	
16	1529	Bearing — Needle	1	71	1566	Belt 35"	1	
17	2525	Key #9 Woodruff — Special	2	72	2539	Belt	2	
18	1611	Pulley — Drive	1	73	2549	Chain	1	
19	937014	Key #9 Woodruff	5	<b>PARTS LIST FOR COMPLETE REEL ASSEMBLY</b>				
20	1197	Washer — Thrust	1	3335	Assembly Side Frame R.H.	1		
21	909862-6	Set Screw $\frac{5}{16}$ -18 x $\frac{5}{16}$ Nylock	3	3334	Assembly Side Frame L.H.	1		
22	2524	Gear — Jackshaft	1	910059-4	Screw Fil. Hd. $\frac{1}{4}$ -20 x $\frac{7}{8}$	2		
23	1535	Washer — Shim	1	915182-4	Nut Square $\frac{1}{4}$ -20	2		
24	1523	Bearing — Needle	2	3336	Assembly Castor Yoke Complete	2		
25	2548	Tube Pivot	1	3343	Wheel & Bearing	1		
26	2527	Shaft — Lower Drive	1	3344	Axle	1		
27	2530	Rod End	2	932002-4	Cotter Pin $\frac{1}{16}$ x 1	1		
28	2531	Pulley	1	932035-4	Cotter Pin $\frac{3}{16}$ x $1\frac{1}{4}$	1		
29	920015-4	Washer $\frac{3}{4}$ SAE	1	920009-4	Washer $\frac{3}{8}$ SAE	2		
30	4638	Ass'y. Lift	1	5336	Assembly Stud & Yoke	1		
31	2528	Ass'y. Hanger Rod	2	3340	Cam — Adj.	2		
32	915090-4	Nut — Jam $\frac{3}{4}$ -16	2	920008-4	Washer $\frac{5}{16}$ SAE	2		
33	933213	Roll Pin $\frac{1}{4}$ x 1	2	3338	Bracket	2		
34	2545	Ass'y. Mounting Channel	1	3337	Brush Bar	1		
35	4411	Decal — Attachment	1	908166-4	Bolt — Hex $\frac{5}{16}$ — 24 x $\frac{3}{4}$	2		
36	2542	Ass'y. Channel Support L.H.	1	908167-4	Bolt — Hex $\frac{5}{16}$ — 24 x $\frac{7}{8}$	2		
37	2490	Sprocket	1	908165-4	Bolt — Hex $\frac{5}{16}$ — 24 x $\frac{5}{8}$	2		
38	2533	Support Channel R.H.	1	908182-4	Bolt — Hex $\frac{3}{8}$ — 24 x $\frac{7}{8}$	2		
39	908032-4	Bolt — Hex $\frac{3}{8}$ -16 x $\frac{3}{4}$	2	900062-4	Bolt — Carriage $\frac{3}{8}$ -16 x $\frac{3}{4}$	4		
40	915113-6	Nut — Nylock $\frac{3}{8}$ -16	7	915085-4	Nut — Hex Jam $\frac{5}{16}$ -24	4		
41	3138	Housing — Bearing	2	915113-4	Nut Hex $\frac{3}{8}$ -16	4		
42	2532	Shim	2	920083-4	Lockwasher $\frac{3}{8}$ Dia.	4		
43	908034-4	Bolt — Hex $\frac{3}{8}$ -16 x 1	4	920015-4	Washer $\frac{3}{4}$ SAE	4		
44	908035-4	Bolt — Hex $\frac{3}{8}$ -16 x $1\frac{1}{4}$	2	932035-4	Cotter Pin $\frac{3}{16}$ x $1\frac{1}{4}$	2		
45	920083-4	Lockwasher $\frac{3}{8}$ Dia.	4	3332	Assembly Reel L.H. Drive	1		
46	1085	Collar	2	5373	Ball Bearing	2		
47	2540	Shaft	1	3333	Assembly Cutter Bar Complete	1		
48	1515	Bearing	2	908003-4	Bolt — Hex $\frac{1}{4}$ — 20 x $\frac{3}{4}$	1		
49	2489	Sprocket	1	3341	Roller	5		
50	909852-6	Set Screw $\frac{1}{4}$ -20 x $\frac{1}{2}$ Nylock	1	3339	Shaft — Roller	1		
51	1624	Pulley	1	920041-4	Washer $\frac{1}{2}$ U.S. Std.	2		
52	2541	Guard	1	3342	Wrench — Adj.	1		
53	908998-4	Screw — Rd. Hd. Mach. #8-32 x $\frac{3}{8}$	2					
54	920119-4	Lockwasher #8 External Tooth	2					
55	2578	Ass'y. Support — Front Mounting	1					

