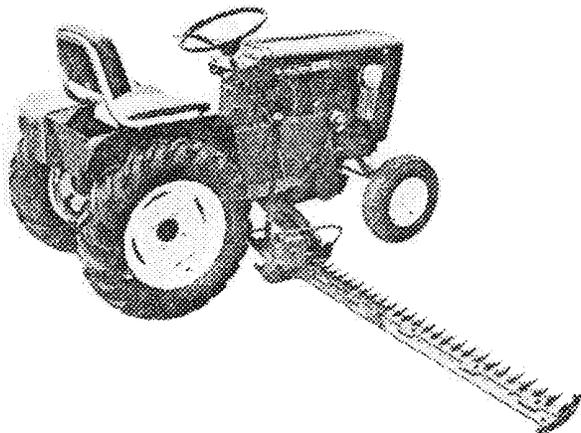


PARTS LIST AND INSTRUCTIONS



Wheel Horse

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

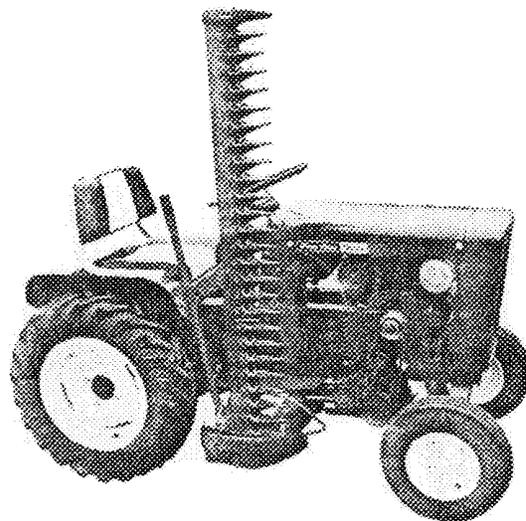


ASSEMBLY

Place the tractor on which the mower is to be mounted on a clean smooth floor or other surface, making sure that there is adequate clear space for the mounted mower. Remove the mower parts from the box and arrange in a convenient manner along side the tractor.

- A. Attach engine pulley Part No. 3694 to engine shaft, secure with set screw.
- B. Attach mounting plate Part No. 3391 to transmission mounting plate on tractor using screws Part No. 908037-4 and lock washers.
- C. Slide shaft of frame Part No. 3384 in hole of mounting plate and in hole of shaft support Part No. 3388.
- D. Mount shaft support to frame of tractor using the fifth and sixth holes from front, secure with bolts Part No. 908034-4 and nuts Part No. 915113-6.
- E. Attach pivot bar Part No. 4739 to mounting plate with $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ bolt Part No. 908059-4 and nylock nut Part No. 915115-6.
- F. Attach lift bar Part No. 3390 to pivot bar with hair pin Part No. S-52-12.
- G. Attach lift bar to lift arm of tractor with hair-pin Part No. S-52-3.
- H. Attach cutter bar to frame with link Part No. 1966 using bolts Part No. 908034-4.
- I. Thread belt Part No. 1588 over idler pulleys Part No. 1623 and over sickle drive pulley Part No. 2659.
- J. Adjust tightness of belt by adjusting bolt Part No. 908064-4 lock with nut Part No. 915115-6. Slide set collar pin Part No. 3374 against mounting plate and secure with set screw.

SIDE MOUNTED SICKLE SMS-50



- K. Put belt Part No. 1552 on engine drive pulley.
- L. Attach clutch spring Part No. 1014 to hole in frame.
- M. Attach handle Part No. 2678 to sickle drive housing. Secure with cotter pin Part No. 932034-4 and spring Part No. 1014.
- N. Attach travel hook Part No. 2700 in holes provided on the mast of the tractor use bolts Part No. 908017-4 and Lockwashers Part No. 920082-4.
- O. Fill the sickle drive housing with # 30 motor oil to the level of the large filler plug in the side of the housing with the cutter bar on a level surface.
- P. Turn the fly wheel pulley by hand. If noticeable tightness is apparent inspect the guards and hold down clips. Tightness can often be eliminated by loosening the guard bolts then turning the unit several times by hand and retightening the bolts. When the unit turns relatively easily by hand start the tractor engine and run mower slowly for a few minutes. A light grade of machine oil or motor oil should be used to lubricate any hot spots that develop on the knife until it is properly worn in. Gradually increase speed until it is operating under full throttle.

OPERATION

1. The height of the cut is controlled by the position of the cutter bar skid, Part No. 2234, at the outer end of the bar and the lower shoe, Part No. 2677. The cutter bar skid is adjusted by the addition or removal of skid spacers, Part No. 2233. Four holes are provided in the rear end of the lower shoe for adjustment.
2. The short belt tension is maintained automatically by the tension spring on the tractor. The long belt is adjusted as explained in the assembly instructions.
3. The position of the grass rod at the end of the cutter bar may be adjusted to suit the various con-

ditions under which the mower may operate. Correct positioning prevents plugging at the lower shoe.

4. The knife assembly may be removed for sharpening or replacement by loosening the jam nut, Part No. 2680. **NOTE: It is very important that this pin and jam nut be kept tight. Looseness can destroy the threads in the drive arm.**

5. For transporting, the cutter bar may be raised to a vertical position. Insert the cutter bar hooks into the hole in the cutter bar and secure with the wing nut provided. The placement of this hook between two guards prevents accidental operation of the knife when in transport position.

6. Safety First: Caution should be exercised in the

operation of this machine. Children and pets should be kept away from the mowing area. Never attempt to remove obstructions from the cutter bar without first shutting off the tractor engine.

LUBRICATION

The sickle drive housing should be kept filled to the level of the large filler plug with #30 motor oil. This oil level should be checked periodically. The knife head should be lubricated with a good grade of gun grease after every four hours of operation. All other high speed bearings are sealed and need no further attention. Machine oil or motor oil may be used at hinge points to insure freedom of operation and prevent rust.

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	5041	Ass'y. Housing Complete - Sickle Drive	1	55	1969	Pulley 5.04 Dia.	1
2	2701	Ass'y. Housing & Bearings	1	56	937014	Key #9 Woodruff	2
3	2644	Housing	1	57	S-52-12	Hairpin	1
4	2694	Bearing - Bronze Sleeve	1	58	3694	Pulley - Engine Drive	1
5	2692	Bearing - Bronze Sleeve	1	59	909848-4	Set Screw 1/4-20 x 1/4 Hex. Soc.	2
6	2695	Bearing - Bronze Sleeve	1	60	5043	Ass'y. Cutter Bar Complete 50"	1
7	2655	Pin	1	61	2704	Ass'y. Bar - Guard	1
8	915090-4	Nut 3/4-16 Jam	1	62	2697	Ass'y. Knife Bar & Sections	1
9	2683	Ass'y. Shaft - Weldment	1	63	2233	Spacer	1
10	2687	Ass'y. Yoke	1	64	2236	Section	25
11	900038-4	Bolt - Carriage 5/8-18 x 1	2	65	1498	Bushing	1
12	2686	Bearing - Bronze Sleeve	2	66	1071	Rivet	50
13	2702	Ass'y. Shaft - Wobble Drive	1	67	1030	Fitting - Grease 1/4-28 St. Thd.	1
14	920082-4	Washer - Lock 3/8 Dia.	2	68	2230	Guard - Cutter Bar	10
15	2693	Bearing - Bronze Sleeve	1	69	2684	Guard - Cutter Bar	1
16	2691	Pin - Yoke	1	70	900063-4	Bolt - 3/8-16 x 1 Carriage	15
17	S-50-62	Snap Ring - Truarc .625 Shaft	2	71	908038-4	Screw - Hex. 3/8-16 x 2	1
18	S-50-66	Snap Ring - Truarc .669 Shaft	1	72	2231	Plate - Cutter Bar	4
19	S-51-156	Snap Ring - Truarc 1.562 Bore	1	73	2232	Clip - Cutter Bar	4
20	1499	Bearing - Ball .687 Shaft	1	74	2234	Skid - Cutter Bar	1
21	1482	Seal 1 1/4 Shaft	1	75	2233	Spacer - Skid	2
22	1232	Seal 1" Shaft	1	76	3384	Ass'y. Frame	1
23	943464-4	Plug 1 x 1 1/2 N.P.T.F.	1	77	3374	Collar	1
24	2657	Cover - Plate	1	78	909863-4	Set Screw 5/8-18 x 3/8 Hex. Soc.	1
25	2656	Gasket	1	79	908064-4	Bolt - Hex. 1/2-13 x 2 3/4	1
26	909017-4	Screw - Rd. Hd. #10-24 x 3/8	6	80	915115-6	Nut - Nylock 1/2-13	2
27	920079-4	Washer - Lock #10	6	81	3388	Ass'y. Shaft Support	1
28	935135-4	Plug - Button	1	82	3380	Ass'y. Lever - Attach. Trip	1
29	2659	Pulley 4" Dia.	1	83	932009-4	Cotter Pin 3/32 x 1	2
30	1005	Key - Sq. 3/8 x 3/8 x 1	1	84	933188-4	Roll Pin 3/8 x 1	2
31	1398	Screw - Nylock 3/8-16 x 3/8	1	85	3381	Pedal - Attach. Clutch	1
32	2680	Pin - Sickle Drive	1	86	1014	Spring	2
33	915089-4	Nut - Hex. 5/8-18 Jam	1	87	3760	Clip - Belt	1
34	1336	Washer - Dome	1	88	3389	Shield - Pulley	1
35	2643	Ass'y. Shoe - Upper Weldment	1	89	2678	Ass'y. Lever - Lift	1
36	2677	Shoe - Lower	1	90	1000	Grip	1
37	2685	Rod - Grass	1	91	932017-4	Cotter Pin 1/8 x 1	2
38	908034-4	Bolt - Hex. 3/8-16 x 1	9	92	920015-4	Washer 3/4 I.D. Plain	1
39	915113-4	Nut - Hex. 3/8-16	27	93	932034-4	Pin - Cotter 3/8 x 1	1
40	920083-4	Washer - Lock 3/8 Dia.	8	94	2700	Bracket - Travel Hook	1
41	908036-4	Bolt - Hex. 3/8-16 x 1 1/2	2	95	915586-4	Nut - Wing 3/8-16	1
42	900064-4	Bolt - Carriage 3/8-16 x 1 1/4	11	96	3378	Hook - Travel Support	1
43	920039-4	Washer - Plain 3/8 Dia.	1	97	908017-4	Bolt - Hex. 5/8-18 x 3/4	2
44	1967	Spacer	2	98	4410	Decal	1
45	908035-4	Bolt 3/8-16 x 1 1/4 Hex.	3	99	4411	Decal	1
46	915113-6	Nut 3/8-16 Hex. Nylock	8	100	3710	Decal - Grease	1
47	1966	Link	1	101	3391	Ass'y. Plate - Mounting	1
48	1552	Belt "A" Sec. 37"	1	102	3390	Ass'y. Bar - Lift	1
49	1588	Belt "A" Sec. 59"	1	103	4739	Ass'y. Bar and Pin - Lower	1
50	1968	Ass'y. Bearing - Ball - Flanged	2	104	908059-4	Bolt - Hex. 1/2-13 x 1 1/2	1
51	900037-4	Bolt 5/8-18 x 3/4 Carriage	4	105	S-52-3	Hairpin	1
52	915112-6	Nut 3/8-18 Hex. Nylock	6	106	908037-4	Bolt - Hex. 3/8-16 x 1 3/4	2
53	909862-4	Set Screw 5/8-18 x 5/8	4	107	1623	Pulley Idler 3 1/8 Dia.	3
54	1608	Pulley 2 1/2 Dia.	1	108	3376	Shaft	1

