

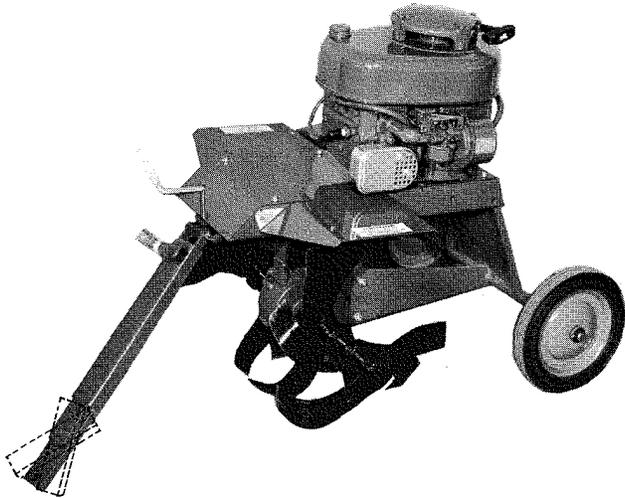
PARTS LIST AND INSTRUCTIONS



Wheel Horse

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

TILLER WT-244



ASSEMBLY

Your tiller has been factory assembled with the exception of the hitch. To attach the hitch, remove the cotter key and washer from the pull pin on the front of mounting bar Part No. 4313, install swivel block Part No. 5394, replace washer and cotter key.

To fasten to the tractor remove tractor hitch pin, insert tiller tongue Part No. 5398, then replace hitch pin.

LUBRICATION

There is **NO OIL** in the crankcase of the engine when shipped from the factory. Read engine manual and follow all instructions pertaining to the type of fuel and lubrication specified. (NOTE: The engine carries a separate warranty by the engine manufacturer. For engine service, contact your local authorized engine service headquarters.)

The tiller gear box has been filled with one pint of No. 90 gear lube at the factory. Check oil level before operation and every 25 hours of operation, add oil if necessary.

To check oil level, raise tiller to the up or travel position, remove pipe plug Part No. 1013 on the front of gear box. Gear box should be filled to the level of plug with No. 90 gear lube.

Extensive use of sealed-for-life bearings have been employed to reduce maintenance, therefore no other lubrication is required.

OPERATION

The tiller is raised and lowered by using the tractor lift lever or hydraulic control. Depth is controlled by

TILLING WIDTH—24"

TILLING DEPTH—Up to 7"; (depending on soil condition). Depth is controlled by speed of operation.

ENGINE—6 h.p. vertical shaft with recoil starting

WHEELS—Two 10-inch semi-pneumatic with leveling action.

DRIVE—Worm gear with tapered roller and needle bearings and Neoprene oil seals.

CLUTCH—Completely enclosed belt with spring loaded idler.

SHIPPING WT.—175 lbs.

the forward speed of the tractor, a slow speed results in deep tilling and faster speeds result in shallower tilling. (NOTE: To use the tiller for cultivation, the forward speed should be adjusted so that the unit will not till too deep.) In sod or heavy soil it may be necessary to go over the ground 2 or 3 times before it is ready to plant. In hard, dry or rocky soils, the tiller will bounce. This is a design feature of this unit and should cause no alarm. However, under some conditions, it may be necessary to add weight to the tiller. There are two brackets available for this purpose, bracket Part No. 4321 which attaches the tractor front weight Part No. 4065, or bracket Part No. 4309, which will hold a standard concrete block.

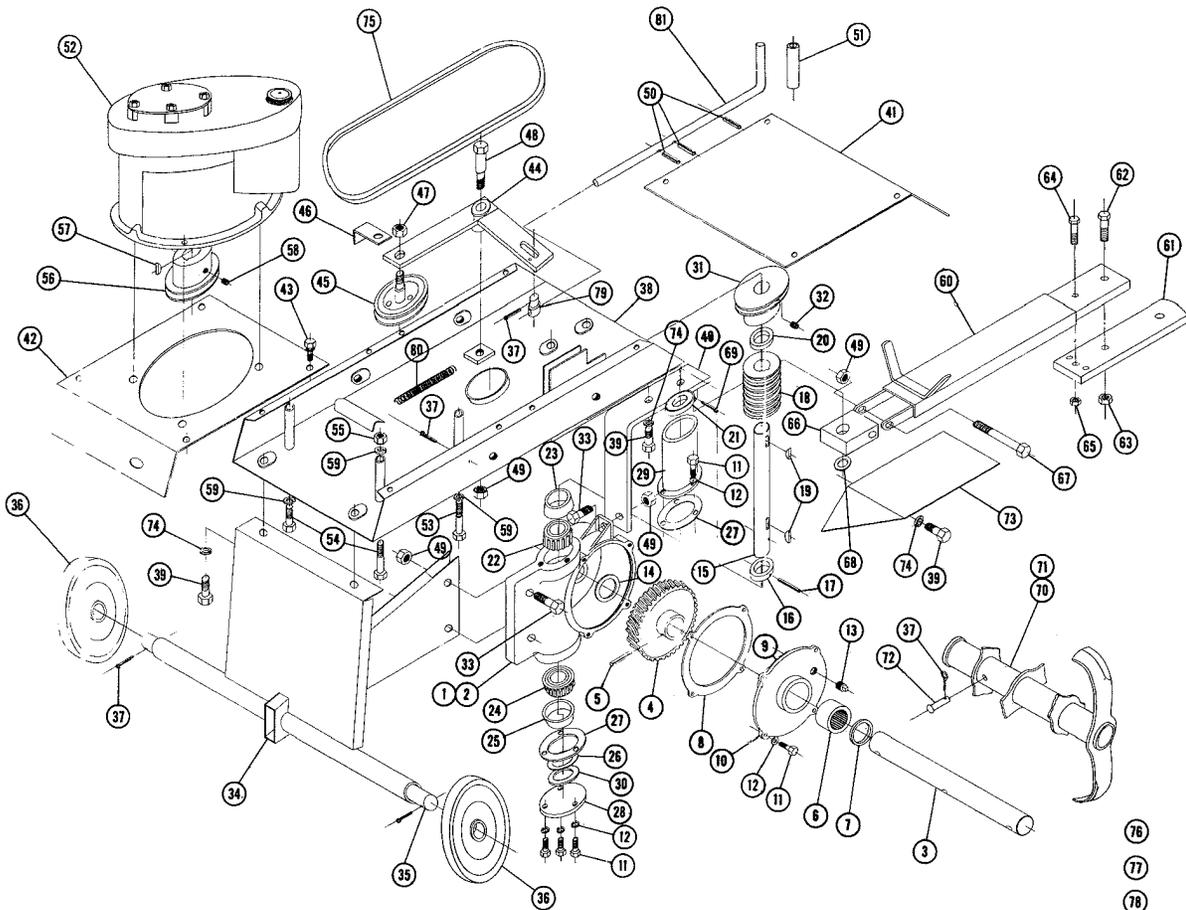
During the first few hours of operation, the tiller gear box may run hot. This is normal with worm gear drives and is not harmful. As the gears wear in, the gear box will run cooler.

When not using the tiller, it is advisable to disengage the clutch to relieve the tension on the belt.

After using tiller the first time, check all bolts to make sure they have not become loose, and retighten if necessary. To change belt, first remove top plate, Part No. 4308, to gain access to drive. Unhook spring from clutch arm. Unscrew shoulder bolt, Part No. 1392, and remove clutch arm with idler pulley and clutch rod. The belt can now be removed. Install the new belt by following reverse procedure. Be sure the pulleys are in proper alignment and replace top plate.

CAUTION — NEVER ADJUST OR REMOVE DEBRIS OR ROCKS FROM TILLER WITHOUT FIRST SHUTTING OFF THE ENGINE AND DIS-ENGAGING CLUTCH.

PARTS LIST



Ref. No.	Part No.	Description	No. Req'd.
1	5406	Ass'y. Worm & Gear Box	1
2	4033	Case	1
3	5387	Shaft — Tine	1
4	5388	Gear — Worm	1
5	933245	Roll Pin $\frac{3}{8}$ x $1\frac{3}{4}$	1
6	1526	Bearing — Needle	2
7	1213	Seal	3
8	4038	Gasket	1
9	1397	Shim	2
10	4001	Cover	1
11	908002-4	Bolt — Hex $\frac{1}{4}$ -20 x $\frac{5}{8}$	10
12	920007-4	Lockwasher $\frac{1}{4}$ Dia.	10
13	943418-4	Pipe Plug $\frac{1}{8}$ -27	1
14	1396	Shim	2
15	4080	Shaft — Worm	1
16	4064	Spacer — Upper	1
17	933156	Roll Pin $\frac{1}{8}$ x 1	1
18	4004	Gear — Worm	1
19	937014	Key #9 Woodruff	2
20	4063	Spacer — Lower	1
21	5196	Bearing — Ball	1
22	1500	Cone — Bearing	1
23	1525	Cup — Bearing	1
24	1548	Cone — Bearing	1
25	1549	Cup — Bearing	1
26	4354	Spacer	1
27	4039	Gasket	2
28	4005	Plate	1
29	5389	Support	1
30	1544	Shim	1
31	1627	Pulley	1
32	909848-6	Set Screw $\frac{1}{4}$ -20 x $\frac{1}{4}$ Nylok	2
33	908035-4	Bolt — Hex $\frac{3}{8}$ -16 x $1\frac{1}{4}$	3
34	4326	Ass'y. Pivot Tube	1
35	4328	Axle	1
36	5390	Wheel	2
37	932017-4	Cotter Pin $\frac{1}{8}$ x 1	6
38	4300	Ass'y. Deck	1
39	908034-4	Bolt — Hex $\frac{3}{8}$ -16 x 1	16
40	4313	Ass'y. Mounting Bar	1
41	4308	Plate — Top Cover	1

Ref. No.	Part No.	Description	No. Req'd.
42	4333	Plate — Top Rear	1
43	908001-4	Bolt — Hex $\frac{1}{4}$ -20 x $\frac{1}{2}$	8
44	4316	Ass'y. Clutch Arm	1
45	1618	Ass'y. Idler Pulley	1
46	3760	Bracket — Belt Throw Out	1
47	915087-4	Nut — Hex Jam $\frac{1}{2}$ -20	1
48	1392	Bolt — Shoulder	1
49	915113-6	Nut — Nylok $\frac{3}{8}$ -16	4
50	933188	Roll Pin $\frac{3}{16}$ x 1	3
51	5349	Tube Clutch Rod	1
52	5375	Ass'y. Engine — Lauson 6 H.P.	1
53	908140-4	Bolt — Hex $\frac{5}{16}$ -18 x $3\frac{3}{4}$	1
54	908027-4	Bolt — Hex $\frac{5}{16}$ -18 x 3	2
55	915235-4	Net Hex Jam $\frac{5}{16}$ -18	1
56	1626	Pulley — Engine	1
57	937010	Key #6 Woodruff	1
58	909862-6	Set Screw $\frac{5}{16}$ -18 x $\frac{5}{16}$	1
59	920082-4	Lockwasher $\frac{5}{16}$ Dia.	3
60	5395	Ass'y. Hitch Bar	1
61	5398	Plate — Hitch Bar	1
62	908059-4	Bolt — Hex $\frac{1}{2}$ -13 x $1\frac{1}{2}$	1
63	915115-6	Nut — Nylok $\frac{1}{2}$ -13	1
64	908036-4	Bolt — Hex $\frac{3}{8}$ -16 x $1\frac{1}{2}$	1
65	915663-4	Nut — Elastic $\frac{3}{8}$ -16	1
66	5394	Block — Swivel	1
67	908040-4	Bolt — Hex $\frac{3}{8}$ -16 x $2\frac{1}{2}$	1
68	920013-4	Washer $\frac{5}{8}$ S.A.E.	1
69	932034-4	Cotter Pin $\frac{3}{16}$ x 1	1
70	5400	Ass'y. Tine & Tube R. H.	1
71	5401	Ass'y. Tine & Tube L. H.	1
72	MW10411	Pin — Shear	2
73	4334	Cover — Tine	2
74	920083-4	Lockwasher $\frac{3}{8}$ Dia.	8
75	1579	Belt	1
76	4498	Decal — Caution	1
77	5399	Decal — Caution	1
78	4411	Decal — Attachment	1
79	1393	Stud	1
80	1014	Spring	1
81	5393	Rod — Clutch	1