PARTS LIST AND INSTRUCTIONS

Wheel Horse®

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

TILLER
WT-242

TILLING WIDTH—24"

TINES—16 Wheel-Horse exclusive design (pat. pending).

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

ENGINE—5½ 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.

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. 4320, replace washer and cotter key.

To fasten to the tractor remove tractor hitch pin, insert tiller tongue with hitch spacers Part No. 4343 on each side. (NOTE: On some of the earlier model tractors, the hitch spacers will not be required.)

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 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 cultivating, the forward speed should be adjusted so that the unit will not till too deep.) In sod or heavy soil it may be necssary 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.

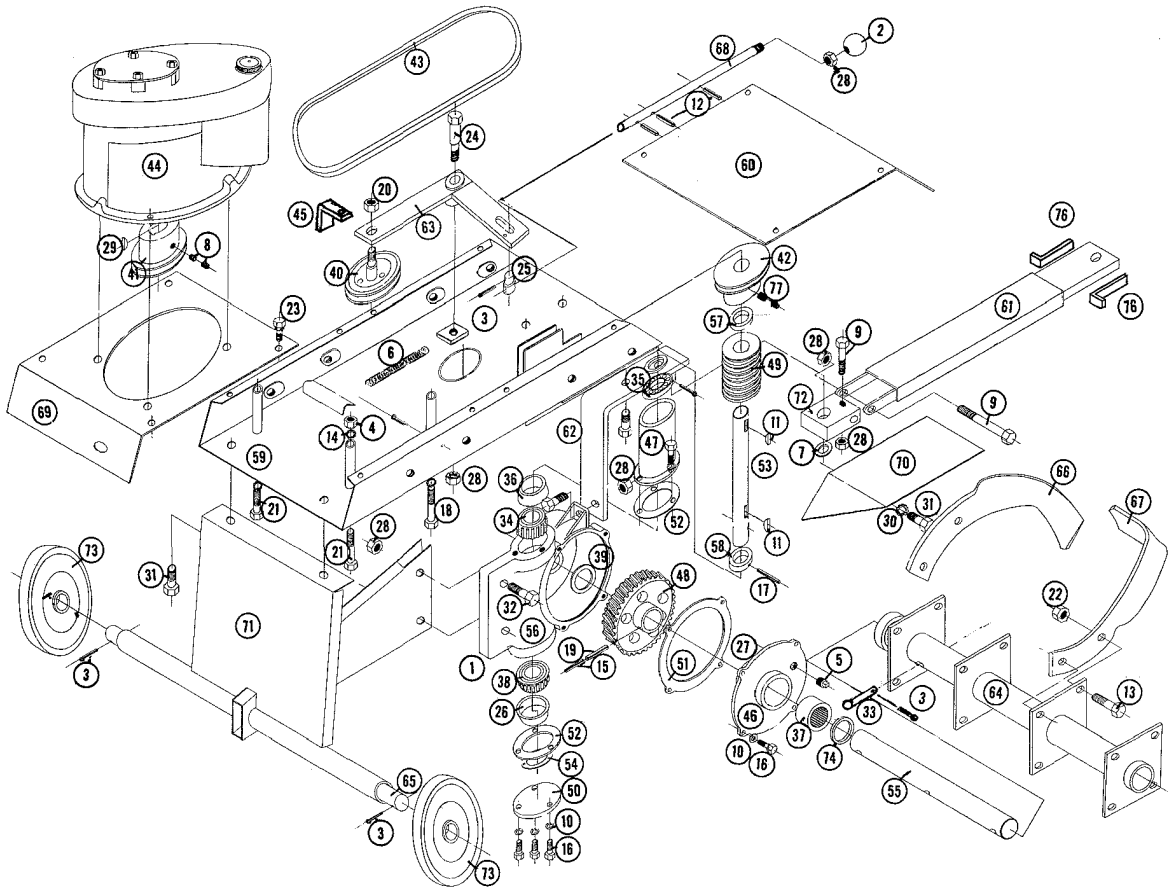
During the first few hours of operation, the tiller gear box may run hot. This is normal with worm gear drives and is not harmful. As the gears wear in, the gear box will run cooler.

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 DISENGAGING CLUTCH.

PARTS LIST



Ref. No.	Part No.	Name	Quantity
1	5018	Worm & Gear Box Assembly	1
2	1001	Knob	1
3	1002	Cotter Key 1/8 x 1	7
4	1007	Hex Jam Nut 5/16-18	1
5	1013	Pipe Plug 1/8 Std. Pipe	1
6	1014	Spring	1
7	1038	Washer 5/8 I.D.	1
8	1042	Socket Hd. Set Screw 5/16-18 x 5/16	2
9	1093	H.H.C.S. 3/8-16 x 2 1/2	2
10	1113	Lock Washer 1/4	10
11	1122	Woodruff Key No. 9	2
12	1133	Roll Pin 3/16 x 1	3
13	1149	H.H.C.S. 7/16-14 x 1 1/4 Lg.	32
14	1196	Shake Proof Washer 5/16	3
15	1227	Roll Pin 3/16 x 1 3/4 Lg.	1
16	1237	H.H.C.S. 1/4-20 x 5/8 Lg.	10
17	1244	Roll Pin 1/8 x 1	1
18	1258	H.H.C.S. 5/16-18 x 3 3/4	1
19	1299	Roll Pin 5/16 x 1 3/4 Lg.	1
20	1302	Hex Jam Nut 1/2-20	1
21	1305	H.H.C.S. 5/16-18 x 3	2
22	1317	Lock Nut 7/16-14 Hex Hd.	32
23	1385	H.H.C.S. 1/4-20 x 1/2	8
24	1392	Shoulder Bolt	1
25	1393	Stud	1
26	1549	Cup — Bearing	1
27	1397	Shim — Tine	2
28	1408	NyLock Nut 3/8-16	11
29	1395	Woodruff Key No. 6	1
30	1418	Lock Washer 3/8	8
31	1425	H.H.C.S. 3/8-16 x 1" Lg.	8
32	1426	H.H.C.S. 3/8-16 x 1 1/4 Lg.	3
33	1476	Rivet	2
34	1500	Cone — Bearing	1
35	1515	Ball Bearing	1
36	1525	Cup — Bearing	1
37	1526	Needle Bearing	2
38	1548	Cone — Bearing	1
39	1396	Shim	As Req'd.

Ref. No.	Part No.	Name	Quantity
40	1618	Idler Pulley	1
41	1626	Engine Pulley	1
42	1627	Tiller Pulley	1
43	1579	Belt	1
44	1797	Engine	1
45	3760	Belt Throw Out Bracket	1
46	4001	Cover Plate	1
47	4002	Support	1
48	4003	Worm Gear	1
49	4004	Worm	1
50	4005	End Plate	1
51	4038	Gasket	1
52	4039	Gasket	2
53	4080	Worm Shaft	1
54	4354	Washer	1
55	4032	Tine Shaft	1
56	4033	Tiller Case	1
57	4063	Lower Spacer	1
58	4064	Upper Spacer	1
59	4300	Deck W/A	1
60	4308	Top Plate	1
61	4310	Hitch Bar W/A	1
62	4313	Mounting Bar W/A	1
63	4316	Clutch Arm W/A	1
64	4322	Tine Tube W/A	2
65	4328	Axle	1
66	4330	Tine R.H.	8
67	4331	Tine L.H.	8
68	4332	Clutch Rod	1
69	4333	Top Plate Rear	1
70	4334	Tine Cover	2
71	4326	Pivot Tube W/A	1
72	4320	Swivel Block	1
73	4337	Wheel	2
74	1213	Seal	3
75	4411	Decal	1
76	4343	Hitch Spacer	2
77	1066	Soc. Hd. Set Screw 1/4-20 x 1/4	2