

PARTS LIST AND INSTRUCTIONS



WHEEL HORSE

WHEEL-HORSE PRODUCTS, INC. • SOUTH BEND, IND.

TILLER

MODEL

7-1260

FOR D SERIES TRACTORS AND
1973 18 AUTOMATIC

(REPLACES 7-1241 WITHOUT EXTENSIONS)

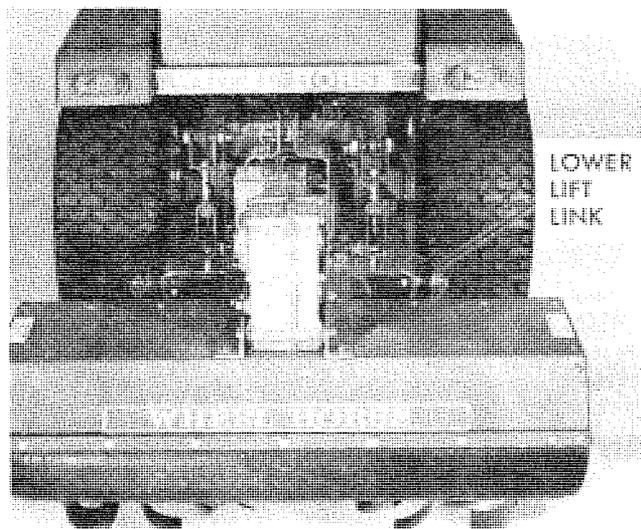


FIGURE 1

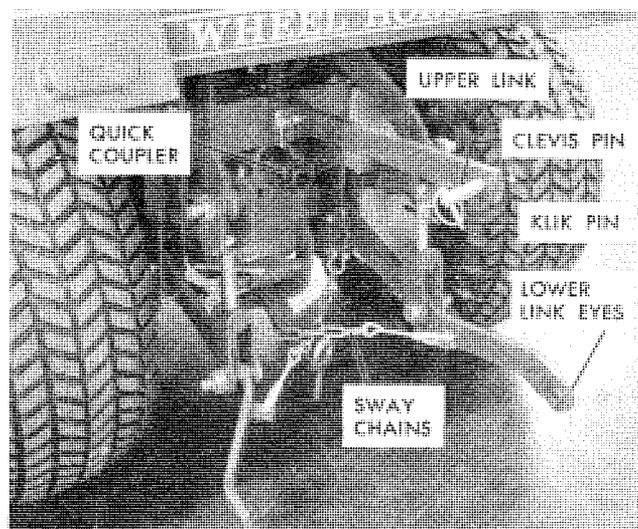


FIGURE 2

REQUIRED ACCESSORIES:

Three Point Hitch	8-5421	} Standard on D-200
Power Take Off	8-3222	

OPTIONAL ACCESSORIES:

Rear Wheel Weights	8-1141
Front Wheel Weights	8-1211

Refer to the installation sheets packed with the accessories for installation instructions.

DESCRIPTION:

This Tiller is designed for the "D" series tractors. It has a 50" standard cut which can be decreased to 38" by removing the tine extensions. It is driven with a universal joint drive shaft from the tractor rear power take off.

The Tiller attaches to the tractor by means of the three point implement hitch. It also requires that the rear PTO be installed on the tractor. It is recommended that optional wheel weights, be installed on both front and rear for better ground holding and traction when operating with the Tiller.

INSTALLATION

1. Install Drive Shaft to Tiller input shaft with $\frac{3}{16}$ x $1\frac{1}{2}$ Spirol Pin and Woodruff Key.
2. Install 3 Point Hitch sway chains as shown in Fig. 2 and do not tighten at this time.
3. Move Tiller into position behind tractor. Slide the lower lift link eyes onto lower link pins of the tiller and secure with Klik Pins.
4. Attach the upper link bar to Tiller mast and 3 Point Hitch with clevis pins and secure with Klik Pins. The standard 3 Point Hitch upper link is not used with the Tiller.
5. Tighten sway chains to minimize side sway and attach to lower links.
6. Attach drive shaft to tractor PTO being sure quick coupler is locked onto the drive shaft. The Tiller is ready for use.

TILLER REMOVAL

1. Lower Tiller to ground. Unlock drive coupling and disconnect drive shaft from tractor.
2. Remove Klik pin and clevis pin to release upper hitch bar from tractor.
3. Disconnect sway chains from lower links. Remove the Klik Pins and disengage the lower hitch links from Tiller pins.

OPERATING INSTRUCTIONS

Never dismount from the tractor without disengaging the tiller and setting the tractor parking brake. Always stop the engine before doing any work on the tines such as removing rocks or other debris.

For best performance the tiller should be operated with the tractor engine set at full throttle. The ground speed of the tractor should then be regulated to match soil conditions.

In hard, compacted soils or clay it may be necessary to go slowly in order to obtain soil penetration.

Under certain soil conditions it is advisable to till an area twice by overlapping cuts in the same direction or by making a second pass 90° to the first if the terrain permits.

When tilling sod or gumbo soils the tiller will have a tendency to push the tractor. Wheel weights will help counteract this, but it may also be advisable to reduce the depth of soil penetration with the hydraulic lift.

Do not over-till the soil or pulverize it. Soil tilled too finely will not readily absorb moisture. It will cause puddling and water run-off and the soil will become compacted too easily.

LUBRICATION

The gear case is filled with oil at the factory and should not require filling. However, the oil level should be checked before using the tiller and periodically thereafter.

Check the oil level by removing the pipe plug at the side of the gear case with the tiller in operating position. The correct oil level is one inch below the bottom edge of the hole. Oil may be added as necessary. When storing the unit for an extended period of time, apply a light coat of grease to the tines to prevent rust.

WHEEL HORSE SPARE PARTS WARRANTY

Wheel-Horse Products, Inc. guarantees both its new and its rebuilt spare parts as well as its assemblies against manufacturing defects for 90 days from the date of purchase. Any new or rebuilt spare parts or any assembly manufactured by Wheel Horse will be replaced free if found to be defective while in normal usage during the 90 days following the date of purchase. If the spare part or assembly is warranty replacement, our guarantee applies for the duration of the original warranty period or 90 days, whichever is longer.

Drive belts are also guaranteed for 90 days from date of purchase. Batteries and spare parts for engines are guaranteed separately by their manufacturer. This guarantee covers the replacement of defective parts only. All labor, transportation costs and dealer service charges are the responsibility of the owner. All claims must be handled through an authorized Wheel Horse dealer.

Wheel-Horse Products, Inc. reserves the right to change spare part specifications and/or to delete or substitute spare parts at any time without notice and without incurring obligation.

GENERAL CONSIDERATIONS

Do not operate the tiller until you are completely familiar with the tiller and the tractor controls and insist that others that do so are familiar with them. Observe all of the safety precautions.

Check all connections, fasteners and for obstructions in the tines before each operation.

Clear the area of all foreign materials before tilling.

CAUTION

Do not attempt to attach or disconnect the PTO shaft until the tractor engine has stopped.

SOILS

The quality of the seedbed prepared by the tiller will be affected by the moisture content of the soil. Large clods or balls of mud will be formed when soil is tilled that is too moist. Certain soils should not be tilled too early in the spring or after a rain. Heavy clay soils will stay set longer and form larger, harder clods when tilled too wet. A soil that is high in organic materials such as darker soils will break up well as will lighter, sandy soils.

TILLING PATTERN

The shape, size, obstructions, etc. of the area to be tilled will determine the tilling pattern. The longest direction will minimize turning. Usually, faster turns can be made for direction changes by backing the tractor.

CAUTION

Turning or backing the tractor should never be done without raising the tiller from the ground. Failure to do so may cause damage to the tractor or tiller.

SPECIFICATIONS:

WIDTH OF CUT: 50" standard. 38" optional by removing Tine Extensions.

ROTOR TINE DIAMETER: 14½".

TINE SHAFT: 1½" Dia. heat treated and ground.

MAXIMUM DEPTH OF CUT: 6" to 8".

TOTAL REDUCTION — ENGINE TO TINE SHAFT: 26.5:1.

WEIGHT: 254 pounds.

GEAR BOX LUBRICANT: Wheel Horse P/N 100193 or SAE 90 & 140 API Service GL-4 or GL-5 oil. 2½ quarts.

TINE ASSEMBLY: Right and left hand assemblies, each with 16 replaceable heat treated tines. 16 cutting edges per side; 32 total cutting edges.

PARTS LIST

When ordering parts always list Part No. and name of Part.
 Parts available only through Authorized Dealers.
 (Specifications subject to change without notice.)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	101974	Case — R. H.	1	51	911421-4	Bolt — Hex. $\frac{1}{2}$ -13 x $6\frac{1}{2}$	2
2	9423	Bearing — Needle 1 x 1	2	52	102128	Bar — Lower Hitch	1
3	9409	Bearing — Needle $1\frac{1}{2}$ x 1	2	53	908059-4	Bolt — Hex. $\frac{1}{2}$ -13 x $1\frac{1}{2}$	4
4	6663	Seal — $1\frac{1}{2}$ Dia.	4	54	915665-4	Nut — Hex. $\frac{1}{2}$ -13 E. S.	7
5	101975	Case — L. H.	1	55	102126	Plate — Upper Hitch R. H.	1
6	1532	Bearing — Needle 1 x $\frac{3}{4}$	2	56	102127	Plate — Upper Hitch L. H.	1
7	933242	Roll Pin $\frac{3}{8}$ x 1	2	57	908035-4	Bolt — Hex. $\frac{3}{8}$ -16 x $1\frac{1}{4}$	4
8	100878	Shaft — Tine $1\frac{1}{2}$ Dia.	1	58	102184	Strap	1
9	100879	Spacer	1	59	908019-4	Bolt — Hex. $\frac{5}{16}$ -18 x 1	2
10	933234	Spiral Pin $\frac{5}{16}$ x $2\frac{1}{2}$	1	61	100807	Shield — Front Tine	1
11	937045	Key #129 Woodruff	1	62	100808	Shield — Rear Tine	1
12	100881	Sprocket — 20 T — #60	1	63	102129	Brace — Front	1
13	103102	Chain #60 — $\frac{3}{4}$ P x 44 P	1	64	908037-4	Bolt — Hex. $\frac{3}{8}$ -16 x $1\frac{3}{4}$	1
14	6895	Assembly Gear and Sprocket	1	65	908058-4	Bolt — Hex. $\frac{1}{2}$ -13 x $1\frac{1}{4}$	1
15	100877	Shaft — 1.00 Dia.	1	66	102131	Brace — Tine Shield	2
16	9547	Washer — Thrust	2	67	102569	Pin — Lower Link	2
17	9865	Bearing — Thrust	1	68	915117-6	Nut — Hex. $\frac{5}{8}$ -11 Eslok	2
18	5963	Gear — Pinion 22 T	1	69	102790	Assembly — Rear Brace	1
19	100430	Gear — Bevel 40 T	1	70	908038-4	Bolt — Hex. $\frac{3}{8}$ -16 x 2	1
20	937089	Key — #9 — $\frac{3}{4}$ x $\frac{3}{16}$	3	71	915663-4	Nut — Hex. $\frac{3}{8}$ -16 E. S.	20
21	100880	Shaft — 1.00 Dia.	1	72	100875	Angle — Tine Shield	1
22	936131	Truarc 1.00 Ext.	2	73	100884	Guard — Rear Tine	1
23	101973	Housing — Input	1	74	102794	Strap	1
24	9411	Bearing — Needle	2	75	900064-4	Bolt — Carriage $\frac{3}{8}$ -16 x $1\frac{1}{2}$	3
25	103103	Seal $\frac{7}{8}$ I. D.	1	76	900039-4	Bolt — Carriage $\frac{3}{16}$ -16 x $1\frac{1}{4}$	10
26	100429	Gear — Pinion Bevel 15 T	1	77	915662-4	Nut — Hex. $\frac{5}{16}$ -18 E. S.	8
27	9864	Bearing — Thrust	1	78	102134	Cover — Tine End R. H.	1
28	9546	Washer — Thrust	2	79	102135	Cover — Tine End L. H.	1
29	936121	Truarc — $\frac{5}{8}$ Ext.	1	80	900037-4	Bolt — Carriage $\frac{3}{16}$ -18 x $\frac{3}{4}$	26
30	100882	Shaft — .875 Dia.	1	81	915662-4	Nut — Hex. $\frac{5}{16}$ -18 E. S.	34
31	103104	O-Ring	1	82	101373	Drive Shaft — Complete	1
32	908034-4	Bolt — Hex. $\frac{3}{8}$ -16 x 1.00	7	83	933268	Pin — $\frac{3}{16}$ x $1\frac{1}{2}$ Spiral Pin	1
33	920083-4	Lockwasher $\frac{3}{8}$	3	84	102203	Link — Upper	1
34	100885	Shield — P. T. O.	1	85	8820	Pin — Hitch Upper Link	2
35	100927	Gasket — Gear Case	1	86	933506-4	Hairpin	2
36	943421	Plug $\frac{1}{2}$ — 14 Pipe	1	87	103809	Decal — Instruction	1
37	908143-4	Bolt — Hex. $\frac{3}{8}$ -16 x 5	4	88	102831	Decal — Wheel Horse	1
38	908042-4	Bolt — Hex. $\frac{3}{8}$ -16 x 3	4	89	4498	Decal — Caution	2
39	102968	Assembly — Tine Shaft R. H.	1	91	103177	U-Joint with tube	1
40	102802	Tine — R. H.	16	92	103181	Retainer-Bearing	4
41	102803	Tine — L. H.	16	93	103180	Bearing	2
42	908047-4	Bolt — Hex. $\frac{7}{16}$ -14 x $1\frac{1}{4}$	64	94	103179	Shield — $1\frac{3}{4}$ "	1
43	915664-4	Nut — Hex. $\frac{7}{16}$ -14 E. S.	64	95	103178	Shield — 2"	1
44	102969	Assembly Tine Shaft L. H.	1	96	103176	U-Joint with shaft	1
47	908091-4	Bolt — Hex. $\frac{5}{8}$ -11 x $2\frac{3}{4}$	8	97	103044	Assembly Tine Shaft R. H.	1
48	915667-4	Nut — Hex. $\frac{5}{8}$ -11 E. S.	8	98	103045	Assembly Tine Shaft L. H.	1
49	102124	Angle — Tiller Support R. H.	1	99	103048	Cover — Extension	2
50	102125	Angle — Tiller Support L. H.	1	100	103185	Tine Guard	2

