

PARTS LIST AND INSTRUCTIONS

50" TILLER

FACTORY ORDER NUMBER **7-1261**

FOR D SERIES TRACTORS AND 1973 18 AUTOMATIC

(Formerly 7-1260)

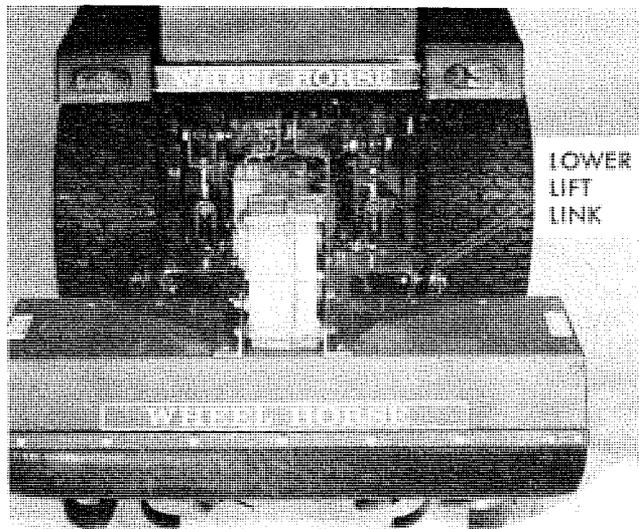


FIGURE 1

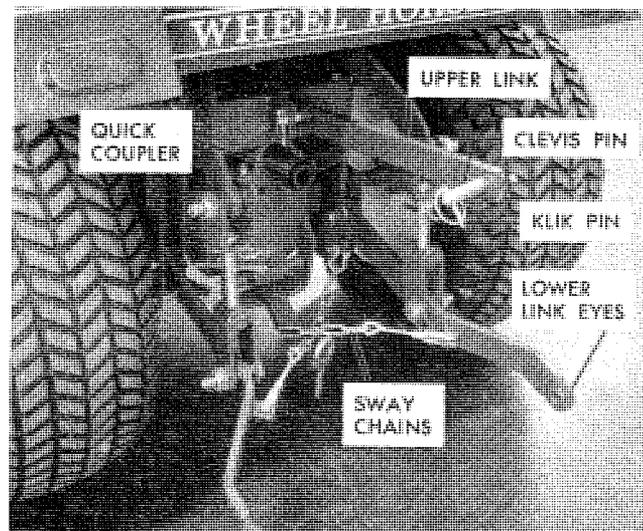


FIGURE 2

REQUIRED ACCESSORIES:

Three Point Hitch	8-5422	} Standard on D-200
Rear Power Take Off	8-3222	

OPTIONAL ACCESSORIES:

Rear Wheel Weights	8-1141
Front Wheel Weights	8-1212

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 is recommended that optional wheel weights be installed on both front and rear for better ground holding and traction when operating 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. Do not tighten at this time.
3. Move Tiller into position behind tractor. Slide the lower lift link eyes 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.



WHEEL HORSE

lawn & garden tractors

OPERATING INSTRUCTIONS

⚠ CAUTION ⚠

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.

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.

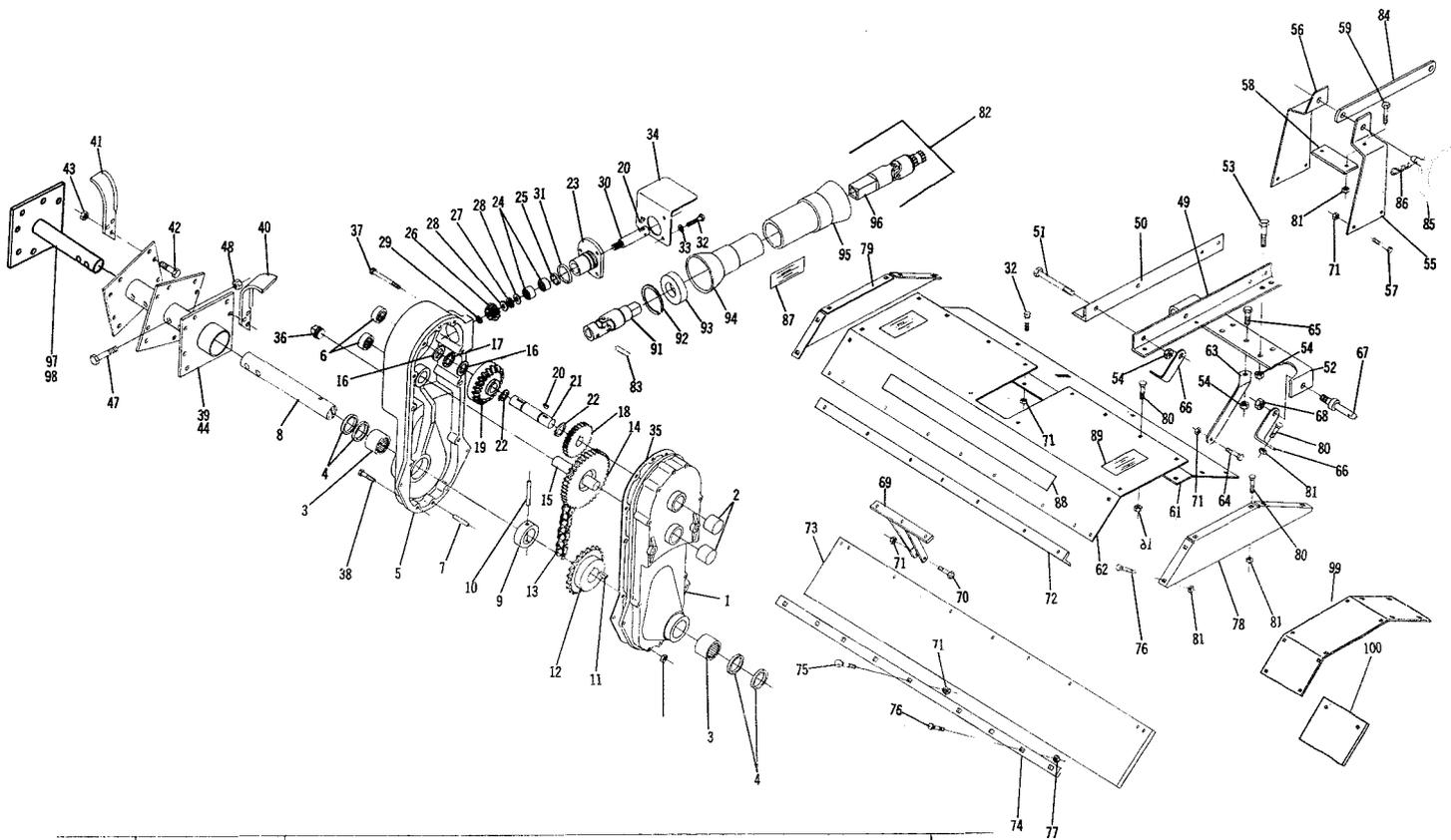
GEAR BOX LUBRICANT: Wheel Horse P/N 100193 or SAE 90 & 140 API Service GL-4 or GL-5 oil. 2½ quarts.

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 — 50" TILLER
FACTORY ORDER NUMBER 7-1261

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

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	101974	Case — R. H.	1
2	9423	Needle Bearing 1 x 1	2
3	9409	Needle Bearing 1½ x 1	2
4	6663	Seal — 1½ Dia.	4
5	101975	Case — L. H.	1
6	1532	Needle Bearing 1 x ¾	2
7	933242	Roll Pin ¾ x 1	2
8	100878	Tine Shaft 1½ Dia.	1
9	100879	Spacer	1
10	933234	Spiral Pin ⅝ x 2½	1
11	937045	Key #129 Woodruff	1
12	100881	Sprocket — 20 T — #60	1
13	103102	Chain #60 — ¾ P x 44 P	1
14	6895	Gear and Sprocket Assembly	1
15	100877	Shaft — 1.00 Dia.	1
16	9547	Thrust Washer	2
17	9865	Thrust Bearing	1
18	5963	Pinion Gear 22 T	1
19	100430	Bevel Gear 40 T	1
20	937089	Key — #9 — ¾ x ⅝	3
21	100880	Shaft — 1.00 Dia.	1
22	936131	Truarc 1.00 Ext. Ring	2
23	101973	Input Housing	1
	104149	Gasket	1
24	9411	Needle Bearing	2
25	103103	Seal ⅞ I. D.	1
26	100429	Pinion Gear 15 T	1
27	9864	Thrust Bearing	1
28	9546	Thrust Washer	2
29	936121	Truarc — ⅝ Ext. Ring	1
30	100882	Shaft — .875 Dia.	1
31	103104	O-Ring	1
32	908034	Bolt — Hex. ⅜-16 x 1.00	7
33	920083	Lockwasher ⅜	3
34	100885	P. T. O. Shield	1
35	100927	Gear Case Gasket	1
36	943421	Pipe Plug ½ — 14	1
37	908143	Bolt — Hex. ⅜-16 x 5	4
38	908042	Bolt — Hex. ⅜-16 x 3	4
39	102968	Tine Shaft Assembly R. H.	1
40	102802	Tine — R. H.	16
41	102803	Tine — L. H.	16
42	908047	Bolt — Hex. ⅞-14 x 1¼	64
43	915664	Nut — Hex. ⅞-14 E. S.	64
44	102969	Tine Shaft Assembly L. H.	1
47	908091	Bolt — Hex. ⅝-11 x 2¾	8
48	915667	Nut — Hex. ⅝-11 E. S.	8
49	102124	Tiller Support Angle R. H.	1
50	102125	Tiller Support Angle L. H.	1
51	911421	Bolt — Hex. ½-13 x 6½	2
52	102128	Lower Hitch Bar	1
53	908059	Bolt — Hex. ½-13 x 1½	4
54	915665	Nut — Hex. ½-13 E. S.	7
55	102126	Upper Hitch Plate R. H.	1
56	102127	Upper Hitch Plate L. H.	1
57	908035	Bolt — Hex. ⅝-16 x 1¼	4
58	102184	Strap	1
59	908019	Bolt — Hex. ⅝-18 x 1	2
61	100807	Front Tine Shield	1
62	100808	Rear Tine Shield	1



ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
63	102129	Front Brace	1
64	908037	Bolt — Hex. $\frac{3}{8}$ -16 x $1\frac{3}{4}$	1
65	908058	Bolt — Hex. $\frac{1}{2}$ -13 x $1\frac{1}{4}$	1
66	102131	Tine Shield Brace	2
67	102569	Lower Link Pin	2
68	915117	Nut — Hex. $\frac{5}{8}$ -11 Eslok	2
69	102790	Rear Brace Assembly	1
70	908038	Bolt — Hex. $\frac{3}{8}$ -16 x 2	1
71	915663	Nut — Hex. $\frac{3}{8}$ -16 E. S.	21
72	100875	Tine Shield Angle	1
73	100884	Rear Tine Guard	1
74	102794	Strap	1
75	900065	Bolt — Carriage $\frac{3}{8}$ -16 x $1\frac{1}{2}$	3
76	900039	Bolt — Carriage $\frac{5}{16}$ -16 x $1\frac{1}{4}$	10
77	915662	Nut — Hex. $\frac{5}{16}$ -18 Eslok	8
78	102134	Tine End Cover R. H.	1
79	102135	Tine End Cover L. H.	1
80	900037	Bolt — Carriage $\frac{5}{16}$ -18 x $\frac{3}{4}$	26
81	915662	Nut — Hex. $\frac{5}{16}$ -18 E. S.	30
82	101373	Drive Shaft — Complete	1
83	933268	Spirol Pin — $\frac{3}{16}$ x $1\frac{1}{2}$	1
84	102203	Upper Link	1
85	8820	Upper Hitch Link Pin	2
86	933506	Hairpin	2
87	103809	Decal — Instruction	1
88	102831	Decal — Wheel Horse	1
89	4498	Decal — Caution	2
91	103177	U-Joint with tube	1
92	103181	Retainer-Bearing	4
93	103180	Bearing	2
94	103179	Shield — $1\frac{3}{4}$ "	1
95	103178	Shield — 2"	1
96	103176	U-Joint with shaft	1
97	103044	Tine Shaft Assembly R. H.	1
98	103045	Tine Shaft Assembly L. H.	1
99	103048	Extension Cover	2
100	103185	Tine Guard	2
	103202	Strap	2

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