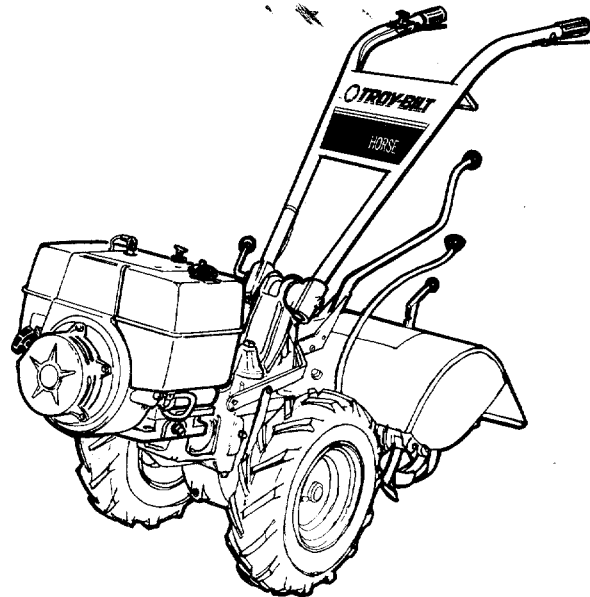




Parts Catalog

PTO HORSE Tiller



RECORD YOUR TILLER SERIAL NUMBER

If you ever need replacement parts for your tiller, we will need to know your Tiller Serial Number when you write or call us. This number is necessary so that we can correctly identify your machine.

The arrow in the photo at the right points to a location on the top of the transmission housing where the serial number decal is located. For your ready reference, please record this number, along with the delivery date of your tiller, in the spaces provided below.

Serial Number: _____

Date of Delivery: _____

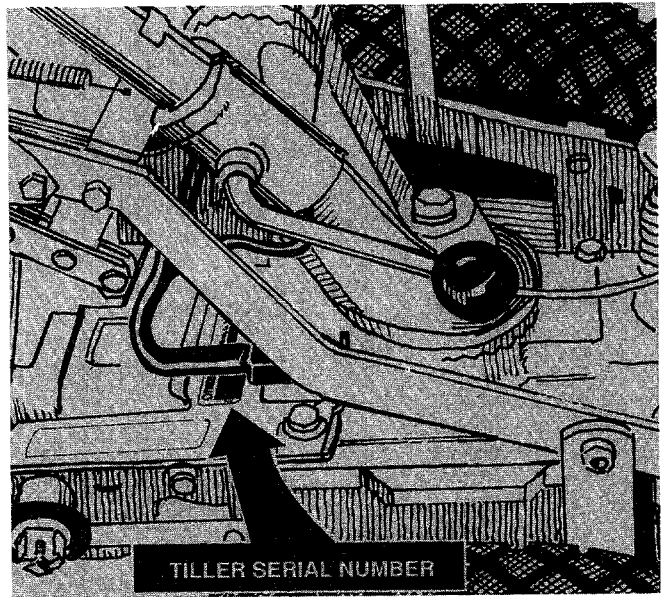


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HELPFUL INFORMATION

This Parts Catalog covers only the "Silver Anniversary" PTO Horse Model TROY-BILT Roto Tiller-Power Composter built by TROY-BILT Manufacturing Company. This catalog is part of our policy of "trying to be of genuine service to our customers." Please look it over occasionally . . . we think it will be of help to you.

If you have any questions, please write us or call. We'll gladly give you all the help we can. Thank you.

HOW TO FIND A PART

To find a part, locate the page number of the illustration of the part you seek in the Table of Contents. Note that some parts may be shown on more than one illustration because they are also used with other assemblies on your tiller.

Each illustrated part has a REF. NO. right next to it. This REF. NO. also appears in the first column of the parts list that accompanies the illustration.

The second column of the parts list shows the PART NO. given to that particular part. **USE THIS PART NO. TO ORDER THE PART.**

Under the DESCRIPTION column, the capitalized words show the name of the part or assembly. Additional descriptive information is often given to help identify the location or function of the part.

The fourth column shows how many (QTY.) of each part is used in the illustration.

The fifth column shows whether or not a part REPLACES an earlier part number. Sometimes it reflects a simple number change, or an improvement in design or materials. In these instances, the parts are interchangeable, unless otherwise noted in the Description column.

HOW TO ORDER PARTS

Parts for your tiller may be ordered from your local servicing dealer or directly from us (see factory address and telephone information on back cover). When ordering parts the following information is required:

1. The Model Name and Serial Number of your tiller.
2. The Model Name and Horsepower rating of your engine.
3. The Part Number of the part you need.
4. The Part Description.
5. The Quantity needed.

Pre-payment for parts may not be necessary unless the total order reaches a certain amount. Details on our payment plan and current pricing will be gladly furnished upon request.

IMPORTANT: All engine parts should be ordered from your local authorized engine dealer as we do not stock engine parts. Look in the Yellow Pages of your telephone directory under "Engines-Gasoline" for the name of your nearest service dealer. If you have any difficulty in finding an authorized service dealer, please contact our Technical Service Department for assistance.

PLEASE NOTE

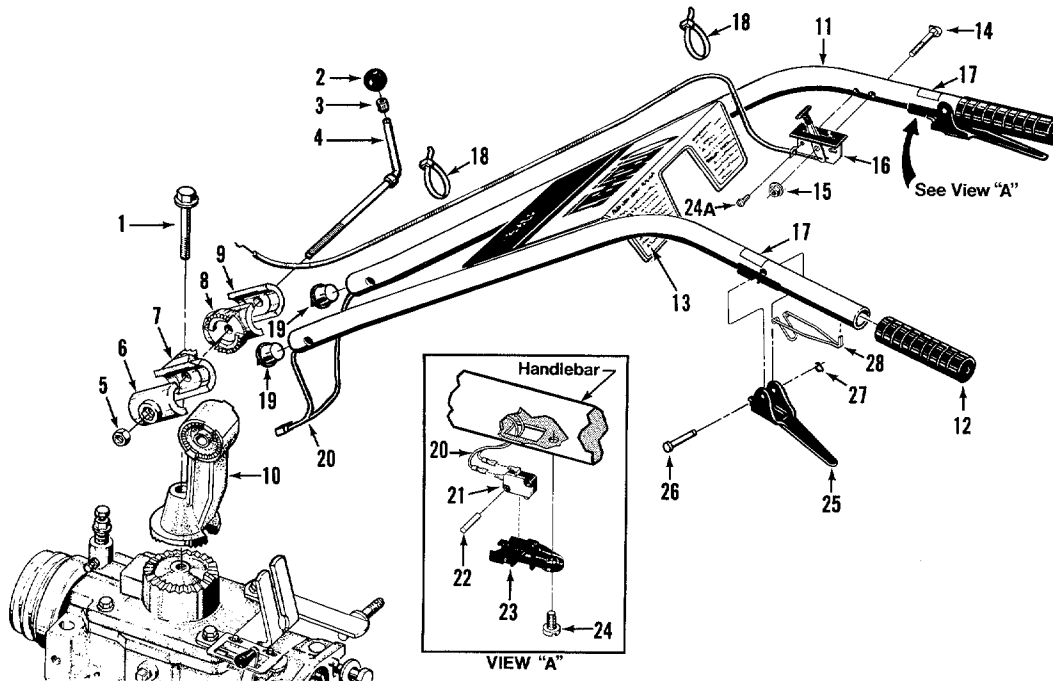
Some replacement parts may vary slightly in shape, color, or texture from the original parts. This is because certain parts are supplied to us by more than one manufacturer. Please be assured, however, that all parts must conform to our rigid quality specifications, and any slight variations will not affect the fit or performance of these parts in your tiller.

EXPLANATION OF "LEFT SIDE" AND "RIGHT SIDE"

Left and Right sides of the tiller are determined by standing in the operator position and facing in the direction of forward travel.

HANDLEBAR ASSEMBLY

(FIGURE 1)

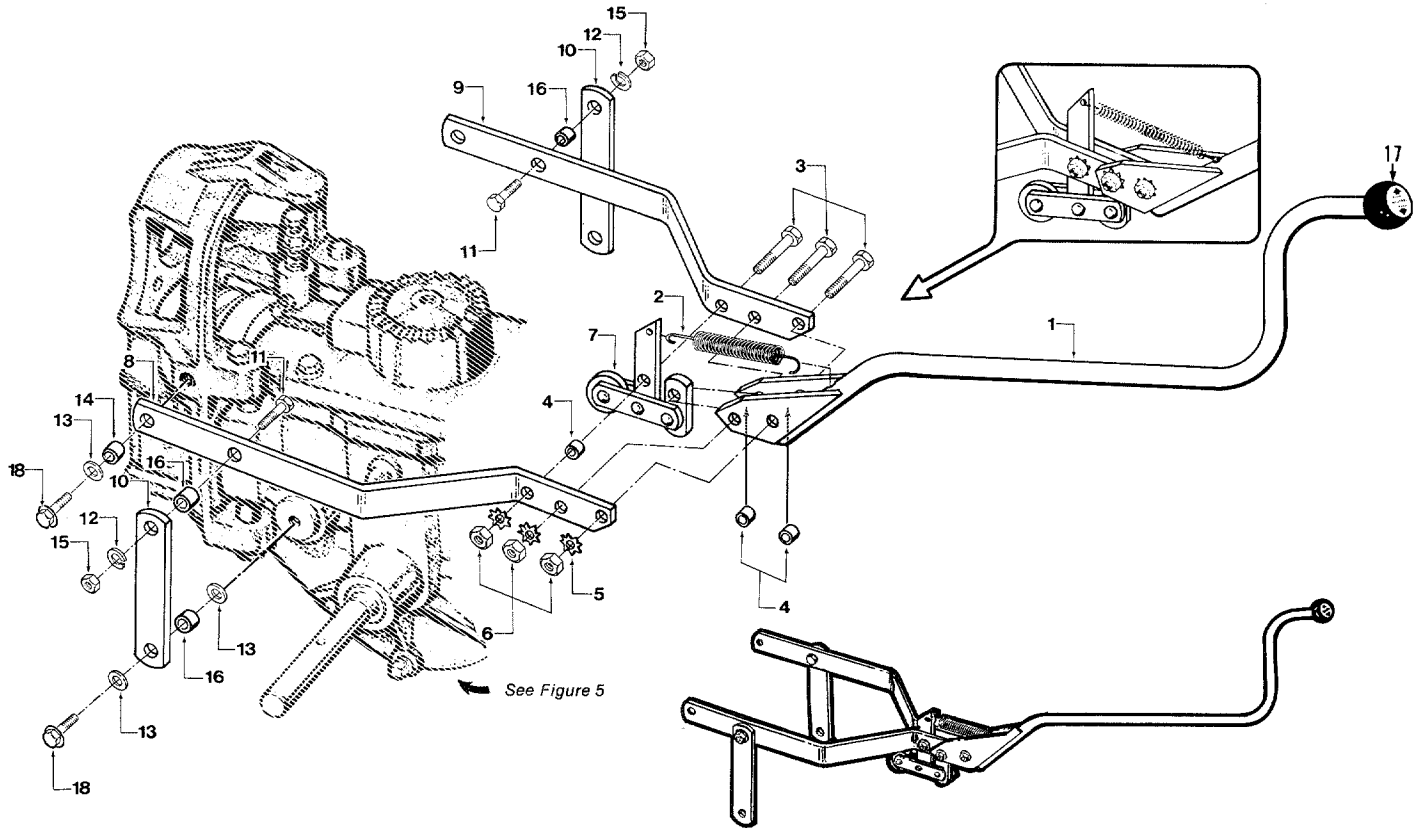


REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
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HANDLEBAR ASSEMBLY

1	9548	BOLT — hex head, flanged self-locking (Grade 5), ½"-13 x 3- ½"	1
2	9119	KNOB — handlebar height adjustment. Includes Ref. No. 3	1	....
3	9120	RING — retaining (tolerance ring)	1	....
4	1900852	STUD — handlebar height adjustment. Includes Ref. Nos. 2, 3, & 5	1	....
5	9803	NUT — hex., ½"-13	1	....
6	1900854004	CLAMP — left, handlebar height adjustment	1	....
7	1900856004	RATCHET — left, handlebar height adjustment	1	....
8	1900857004	RATCHET — right, handlebar height adjustment	1	....
9	1900855004	CLAMP — right, handlebar height adjustment	1	....
10	1900858004	BASE — handlebar mounting	1	....
11	1900850	HANDLEBARS — Includes two each of Ref. Nos. 12, 17, & 28, and one Ref. No. 13.	1	....
12	9125	GRIP — handlebars	2	....
13	1900795	DECAL — operator control panel	1	....
14	9547	BOLT — curved head (Grade 5), ¼"-20 x 2"	1	....
15	9844	NUT — hex, flanged self-locking, ¼"-20 (Whiz Lock)	1	....
16	9650	THROTTLE CONTROL & CABLE — for 8HP Kohler Engine	1	....
17	1900763	DECAL — Forward Interlock Lever	2	....
18	9202	TIE — plastic	2	....
19	9219	PLUG — wire harness retainer	2	....
20	2551	HANDLEBAR WIRE HARNESS ASSEMBLY — Forward Interlock System	1	....
21	9250	HANDLEBAR SWITCH — Forward Interlock System	2	....
22	9385	LOCK PIN — handlebar switch	2	....
23	2543	SWITCH HOUSING — handlebar switch	2	....
24	90039	SCREW — pan head, #10-24 x ½", thread forming	2	....
24A		This Ref. No. not used with Kohler Engine		
25	2546	LEVER — Forward Interlock	2	....
26	9199	PIVOT PIN — Forward Interlock Lever	2	....
27	9514	RETAINING RING (Klip Ring) — Forward Interlock Lever	2	....
28	9387	RETURN SPRING — Forward Interlock Lever	2

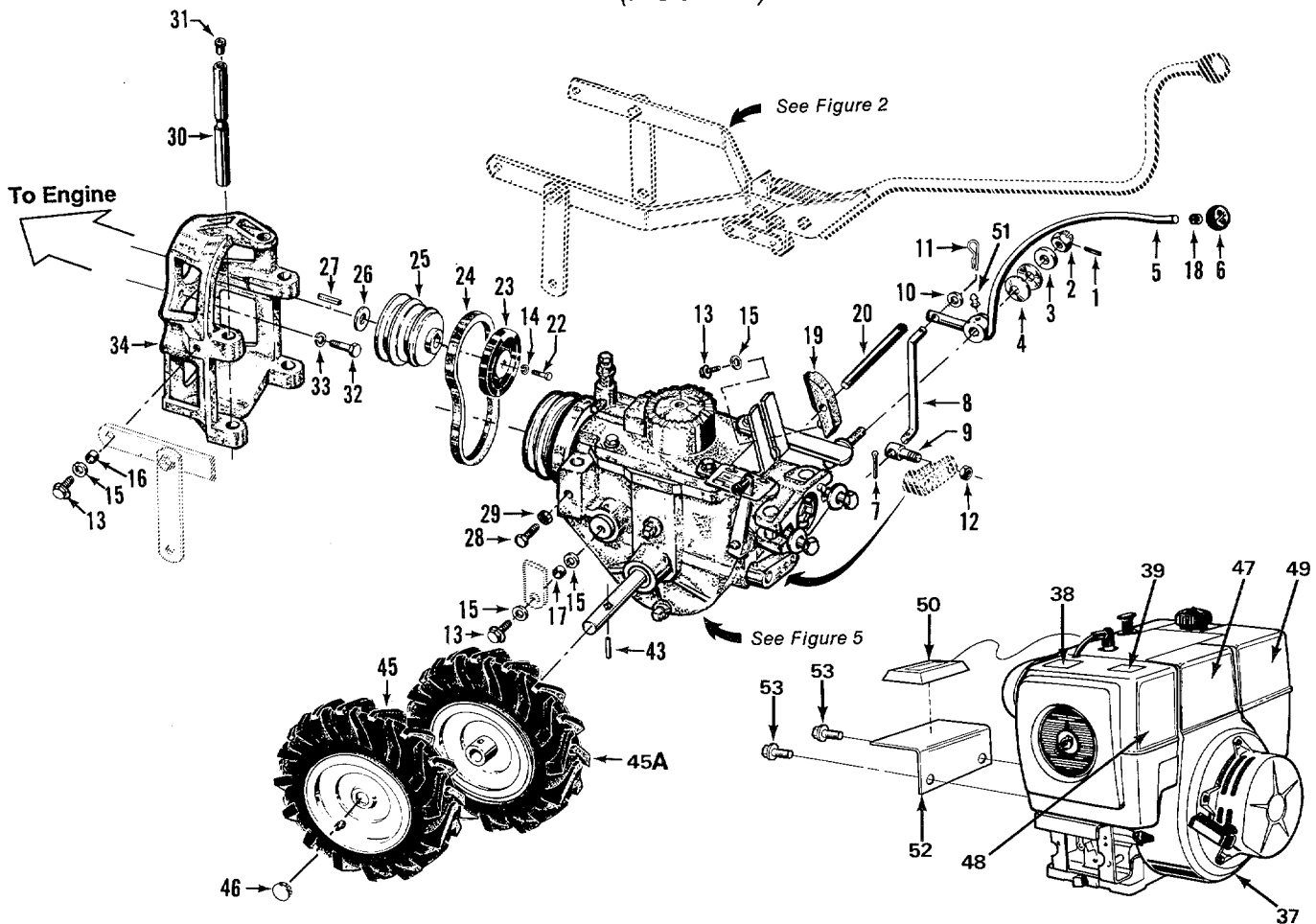
(FIGURE 2)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
1	1900859	LEVER — Wheels/Tines/PTO Drive. Includes plastic knob with plastic decal inlay. Lever and knob available as complete assembly only	1	....
2	1908156	SPRING — clutch pawl.....	1	....
3	9466	BOLT — hex. hd., $\frac{5}{16}$ "-18 x 1- $\frac{1}{2}$ "	3	....
4	2447	BUSHING — $\frac{3}{8}$ " LONG	3	2160
5	9931	LOCKWASHER — external tooth, $\frac{5}{16}$ "	3	....
6	9801	NUT — hex., $\frac{5}{16}$ "-18.....	3	....
7	1900720004	ROLLER ASSEMBLY	1	....
8	1900468004	YOKE — left side	1	....
9	1900469004	YOKE — right side.....	1	....
10	1900860004	LINK — yoke pivot, left and right, 6- $\frac{7}{8}$ " long	2	....
11	9710	BOLT — hex. hd., $\frac{3}{8}$ "-16 x 1".....	2	....
12	9913	LOCKWASHER — spring lock, $\frac{3}{8}$ "	2	....
13	9904	WASHER — flat, $\frac{3}{8}$ ", S.A.E.	6	....
14	2146	BUSHING — spacer, $2\frac{1}{64}$ " (.325") long, yoke to engine mount	2	....
15	9802	NUT — hex., $\frac{3}{8}$ "-16.....	2	....
16	1113-1	BUSHING — spacer, $1\frac{9}{64}$ " (.300") long, yoke link	4	....
17	— —	KNOB — plastic knob not available separately due to special procedure required to attach knob to lever .....	....	....
18	90046	BOLT — flanged hex. hd., $\frac{3}{8}$ "-16 x 1".....	4	....

WHEEL SPEED LEVER, BELT DRIVE SYSTEM, ENGINES, WHEELS

(FIGURE 3)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
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WHEEL SPEED LEVER

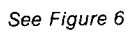
1	9362	PIN — spring, 1/8" dia., retains castle nut to threaded stud	1
2	9838	NUT — castle (slotted), 1/2"-20. Call Technical Service Department for tightening instructions	1	....
3	9934	WASHER — shoulder, 1/2" (shoulder faces disc washers)	1	....
4	9932	WASHER — disc spring (concave surfaces face each other)	2	....
5	1900861	LEVER — wheel speed shift. Includes #2596 knob (Ref #6) and #9120 retaining ring (Ref. #18)	1	....
6	2596	KNOB — wheel speed shift lever. Includes #9120 retaining ring (Ref. #18) and plastic decal inlay	1	....
7	9317	PIN — cotter, 3/32" x 1"	1	....
8	1231	ROD — connecting rod, wheel speed shift lever	1	....
9	1033	SWIVEL — connecting rod	1	....
10	9902	WASHER — flat, 5/16", S.A.E.	1	....
11	9338	PIN — hair cotter	1	9317
12	9808	LOCKNUT — hex. hd., 5/16"-18. Retains swivel to eccentric lever	1	....
13	90046	BOLT — flanged hex. hd., 3/8"-16 x 1"	5	....
14	9913	LOCKWASHER — spring lock, 3/8"	1	....
15	9904	WASHER — flat, 3/8", S.A.E.	7	....
16	2146	BUSHING — spacer, 2 1/4" (.325") long, yoke to engine mount	2	....
17	1113-1	BUSHING — SPACER, 1 9/16" (.300") long, yoke link to retaining plug	2	....
18	9120	RING — retaining (tolerance ring)	1	....

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
BELT DRIVE SYSTEM				
19	1900872004	BLOCK — belt adjustment, 3- $\frac{3}{8}$ " long. Includes mounting hardware and belt adjustment rod (Ref. #'s 13, 15, & 20)	1	....
20	2100	ROD — belt adjustment, 7" long, with measuring gauge	1	....
21		This Ref. No. not used		
22	9715	BOLT — hex. hd., $\frac{3}{8}$ "-24 x 1- $\frac{1}{2}$ ", engine pulley mounting.....	1	....
23	1919	DISC — reverse, rubber rimmed. Includes #1920 belt adjustment block (Ref. # 19)...	1	....
24	9245	BELT — forward drive. Single "V" belt, made specially for your tiller (no substitute recommended due to extra strength required).....	1	....
25	1483	PULLEY — engine PTO (Power Take Off).....	1	....
26	1138-1	SHIM — engine pulley, $\frac{1}{16}$ " thick.....	A/R	....
26	1138-2	SHIM — same as above, $\frac{1}{32}$ " thick.....	A/R	....
ENGINES AND ENGINE MOUNT				
27	9303	KEY — engine pulley, $\frac{3}{16}$ " square x 2- $\frac{1}{2}$ "	1	....
28	90008	BOLT — hex., $\frac{5}{16}$ "-18 x 1". Grade 5 specification	2	....
29	9801	NUT — hex., $\frac{5}{16}$ "-18	2	....
30	1900836	BAR — engine mounting	2	....
31	9147	PLUG — thread protector, red plastic	2	....
32	9572	BOLT — hex. hd., $\frac{5}{16}$ "-24 x 1- $\frac{1}{8}$ "	4	....
33	9912	LOCKWASHER — spring lock, $\frac{5}{16}$ "	2	....
34	1900726004	MOUNT — engine to tiller	1	....
35		This Ref. No. not used.....		
36		This Ref. No. not used.....		
37	1900831	8HP KOHLER MAGNUM ENGINE — electric start. Model No. M8ST. Specification No. PS-301609. Solid state electronic ignition, horizontal crankshaft is turned down to 3/4" at PTO end to accept engine pulley. See NOTE 1 below.....	1	....
38	55053	DECAL — hot surfaces safety warning	2	....
39	1900767	DECAL — engine stabilization. For Kohler engine.....	1	....
40		This Ref. No. not used.....		
41		This Ref. No. not used.....		
42		This Ref. No. not used.....		
43	9322	PIN — roll (spiral), $\frac{5}{16}$ " x 1- $\frac{1}{2}$ " long, wheel hub to shaft	2	....
WHEEL & TIRE ASSEMBLIES				
44		This Ref. No. not used.....		
45	1900833	WHEEL & TIRE ASSEMBLY — bar tread, LEFT SIDE. 4:80 x 8" tubeless tire with valve stem, mounted on single-piece steel wheel. See NOTES 2 below	1	....
45A	1900834	WHEEL & TIRE ASSEMBLY — bar tread, RIGHT SIDE. Same as #9143 but for right side of tiller. See NOTE 2 below.....	1	....
46	9145	CAP — wheel hub	2	....
MISCELLANEOUS				
47	1900796	DECAL — Kohler Magnum.....	1	....
48	1900797	DECAL — air cleaner accent.....	1	....
49	1900798	DECAL — fuel tank accent.....	1	....
50	1900832	HOURLY METER — Sipap.....	1	....
51	97050	GREASE FITTING — Zerk.....	1	....
52	1908155004	L-BRACKET — Hourmeter.....	1	....
53	1186345	BOLT — flanged hex. hd., $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "	2	....

NOTE 1 — Please call or write Technical Service Dept. (at Tiller Factory) before ordering replacement engine.

NOTE 2 — For correct traction and directional control, Bar Tread Tires should be mounted on the tiller so that the closed end of the "V" in the tire tread on top of the tire will face forward.

(FIGURE 4)

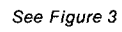


DEPTH REGULATOR & TINE HOOD ASSEMBLIES

(FIGURE 4)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
1	9712	BOLT — hex. hd., $\frac{3}{8}$ "-16 x 1- $\frac{1}{4}$ ", drag bar mounting.....	2	....
2	1113-1	BUSHING — $\frac{1}{4}$ " (.300") long, drag bar	2	....
3	9913	LOCKWASHER — spring lock, $\frac{3}{8}$ ".....	2	....
4	9802	NUT — hex., $\frac{3}{8}$ "-16	2	....
5	1900864	BAR — depth regulator. Includes #9119 knob (Ref. #7) and #9120 retaining ring (Ref. #6).....	1	....
6	9120	RING — retaining (tolerance ring)	1	....
7	9119	KNOB — depth regulator. Includes #9120 retaining ring (Ref. #6)	1	....
8	1900867004	BAR — drag, depth regulator.....	1	....
9	9552	SCREW — thread forming, $\frac{1}{4}$ "-20 x $\frac{1}{2}$ ", (lockwasher and nut not required). Mounts hood to bracket.....	2	....
10	90038	BOLT — flanged hex. hd., $\frac{5}{16}$ "-18 x $\frac{5}{8}$ ", hood to tiller housing	2	....
	— —	This REF. NO. not used .....	..	....
12	9929	WASHER — flat, $\frac{5}{16}$ "	2	....
13	1900863	HOOD — tine cover with hinged flap. Includes hood decal (Ref. # 14).....	1	....
14	1900794	DECAL — hood, operating instructions.....	1	....
15	1900866	BRACKET — tine hood and depth regulator. Includes roll pin (Ref. #16)	1	....
16	9308	PIN — roll (spiral), $\frac{1}{4}$ " x 1" long	1	....
17	9534	SPACER.....	1	....
18	9384	SPRING.....	1	....
19	9734	BOLT — hex hd $\frac{1}{4}$ "-20 x 1"	1	....
20	9811	LOCKNUT — $\frac{1}{4}$ "-20	1	....
21	90038	BOLT — flanged hex. hd., $\frac{5}{16}$ "-18 x $\frac{5}{8}$ ", hood bracket to rear bearing cap	2	....
22	1900799	DECAL — Hood accent stripe	2	....

(FIGURE 5)



POWER UNIT TRANSMISSION ASSEMBLIES

(FIGURE 5)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
TRANSMISSION COVER & SHIFT LEVER BRACKET ASSEMBLIES				
1	9782	BOLT — hex. hd., #10-32 x 3/8", self locking flange	3	....
2	9463	KNOB — Tines/PTO clutch lever, tapered, plastic	1	....
3	1900876	DETENT PLATE — tines/PTO clutch lever. Includes #1900758 operation decal (Ref. #4)	1	....
4	1900758	DECAL — operating instructions, detent plate	1	....
5	90047	BOLT — flanged hex. hd., 5/16"-16 x 1-1/2", transmission cover	4	....
6	—	This REF. NO. not used .....		....
7	90044	BOLT — flanged hex. hd., 5/16"-18 x 3/4", Grade 5, lever bracket to housing	1	....
8	—	This REF. NO. not used .....		....
9	9902	WASHER — flat, 5/16", S.A.E.	1	....
10	1900870004	BRACKET — shift levers. See Ref. No. 86 for decal	1	....
11	9362	PIN — spring, 1/8" diameter	1	....
12	9838	NUT — castle (slotted), 1/2"-20. Call Technical Service Department for tightening instructions	1	....
13	9934	WASHER — shoulder, 1/2" (shoulder faces disc washers)	1	....
14	9932	WASHER — disc spring (concave surfaces face each other)	2	....
15	—	LEVER — wheel speed shift. Shown for reference only. See Page 4 (Ref. #5) for part number and description	1	....
16	1900869004	COVER — power unit transmission housing	1	....
16A	1900868	COVER — power unit transmission housing. Completely assembled with neutral spring assembly parts (Ref. #'s 18, 19, 20, 21, 22, 23 and 24)	1	....
17	1123	GASKET — transmission cover	1	....
18	90008	BOLT — hex. hd., 5/16"-18 x 1", Grade 5. Retains neutral plunger (REMOVE WITH CARE). See Ref. #'s 20 & 21	1	....
19	9801	NUT — hex., 5/16"-18	1	....
20	1496	SPRING — neutral plunger (REMOVE WITH CARE)	1	....
21	1035	PLUNGER — neutral (REMOVE WITH CARE). Includes #9504 clip ring (Ref. #22)	1	....
22	9504	CLIP RING — retains neutral plunger	1	....
23	9831	NUT — hex., flange locknut, 3/8"-16	1	....
24	9545	BOLT — hex. hd., 3/8"-16 x 1- 1/2", threaded full length	1	....
TINES/PTO CLUTCH LEVER ASSEMBLY				
25	1900878004	LEVER — eccentric, Tines/PTO Clutch. (Also see Ref. #'s 1, 2, 3 and 4 listed above.)	1	....
26	9743	BOLT — hex. hd., 1/4"-20 x 1/2"	1	....
27	2123	BUSHING — Tines/PTO clutch lever eccentric shaft	1	....
28	9516	RETAINING RING — (snap ring), external	2	....
29	2130	ECCENTRIC — shaft, Tines/PTO clutch lever	1	....
30	9911	LOCKWASHER — Hi-collar, 1/4"	1	....
31	9672	SCREW — socket hd., 1/4"-20 x 3/8"	1	....
DRIVE SHAFT ASSEMBLY				
32	1138-1	WASHER — shoulder (drive shaft)	2	....
33	9500	RETAINING RING — (snap ring), external. Retains dog clutch to drive shaft	1	....
34	2120-3	DOG CLUTCH — power unit	1	....
35	9301	KEY — 3/8" square x 1" (used on drive shaft and pinion shaft)	3	....
36	9655	BOLT — hex. hd., 5/16"-24 x 3/4", self-locking flange, Grade 5	1	9799
37	9944	WASHER — disc spring (concave). Domed side of washer faces bolt head	1	....
38	2107	PULLEY — transmission drive, cast iron	1	....

(continued)

POWER UNIT TRANSMISSION ASSEMBLIES

(FIGURE 5)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE- PLACES
(continued)				
39	50027	WASHER — flat, hardened shoulder, 1- $\frac{1}{4}$ "	1	....
40	9701	BOLT — hex. hd., $\frac{1}{4}$ "-20 x $\frac{3}{4}$ ", front bearing cap	3	....
41	9910	LOCKWASHER — spring lock, $\frac{1}{4}$ "	3	....
42	1900879004	CAP — front bearing	1	1114
43	85030	SEAL — oil, front bearing cap	1	....
44	1124-2	GASKET — front bearing cap	1	....
45	1224-1	SHIM — front bearing cap, .010" thick	A/R	....
45	1224-2	SHIM — same as above, .030" thick	A/R	....
45	1224-3	SHIM — same as above, .005" thick	A/R	....
45	1224-4	SHIM — same as above, .062" thick	A/R	....
46	1714	BEARING & CUP — tapered cone roller bearing with cup (race). Cone and cup sold as set only	2	....
47	11601	SHAFT — main drive, power unit. Includes an integral worm, plus two pressed-on cone roller bearings, two bearing cups, and two shoulder washers ...	1	....
48	9617	SEAL — oil, drive shaft, rear	1	....
49	9517	RETAINING RING — (snap ring), internal. Retains rear bearing cup	1	....

PINION SHAFT ASSEMBLY

50	9309	PIN — roll (spiral), $\frac{1}{4}$ " x 2", retains #1060A plug (Ref. #51)	2	....
51	1060A	PLUG — retaining, pinion bearing. Includes #9604 O-Ring (Ref. #52)	2	....
52	9604	O-RING — retaining plug	2	....
53	1132-1	SHIM — retaining plug, 1- $\frac{1}{4}$ " inner dia., .033" thick. Note: On right side only, one #1132-1 shim is also used between bearing and washer (Ref. #'s 54 & 55) ..	A/R	....
53	1132-2	SHIM — same as above, .062" thick	A/R	....
53	1132-3	SHIM — same as above, .010" thick	A/R	....
54	9404	BEARING — ball, pinion shaft	2	....
55	1126	WASHER — pinion shaft. One used on left and right sides	2	....
56	1222	STEM PINION — slow speed gear and shaft (drives slow speed wheel gear)	1	....
57	9502	RETAINING RING — (snap ring), external. Retains high speed pinion gear to bronze worm gear	1	....
58	2656	WORM GEAR — bronze, wheel drive. Driven by worm on drive shaft	1	....
59	9300	KEY — $\frac{3}{16}$ " square x $\frac{5}{8}$ ". Connects fast speed pinion gear to bronze worm gear ...	1	....
60	1233	GEAR — fast speed pinion (drives fast speed wheel gear)	1	....

WHEEL SHAFT ASSEMBLY

61	9621	SEAL — oil, wheel shaft	2	....
62	9511	RETAINING RING — (snap ring), external. Retains wheel shaft inside bore	2	....
63	1166-1	SHIM — wheel shaft, 1- $\frac{1}{4}$ " inner dia., .062" thick	A/R	....
63	1166-2	SHIM — same as above, .030" thick	A/R	....
63	1166-3	SHIM — same as above, .015" thick	A/R	....
63	1166-4	SHIM — same as above, .010" thick	A/R	....
63	1166-5	SHIM — same as above, .005" thick	A/R	....

(continued)

POWER UNIT TRANSMISSION ASSEMBLIES

(FIGURE 5)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
64	1086	BUSHING — bronze, wheel shaft bearing.....	2	....
65	1878	SHAFT — wheel, 15- 5/8". Includes #9357 key (Ref. #66) and two #9511 retaining rings (Ref. # 62)	1	....
66	9357	KEY — Hi Pro, 1/4" x 1- 3/4". Connects wheel shaft to clutch	1	....
67	1223	GEAR — slow speed, wheel drive	1	....
68	1232	GEAR — fast speed, wheel drive	1	....
69	1237	DOG CLUTCH — wheel drive. Clutch drives either slow or fast wheel drive gears according to wheel speed shift lever gear selection	1	....
70	1112	PIN — clutch guide, 1/4" diameter	3	....

ECCENTRIC SHAFT ASSEMBLY

71	9307	PIN — roll (spiral), 3/16" x 1- 1/4". Retains eccentric lever to eccentric shaft.....	1	....
72	1900880004	LEVER — eccentric, wheel speed shifting	1	....
73	9622	SEAL — oil, eccentric shaft	1	9611
74	1442	PIN — eccentric shaft, wheel speed shifting	1	....
75	2712	ECCENTRIC SHAFT — wheel speed shifting.....	1	....
76	1441	SPRING — eccentric shaft	1	....
77	1440	WASHER — eccentric shaft	1	....

TRANSMISSION HOUSING

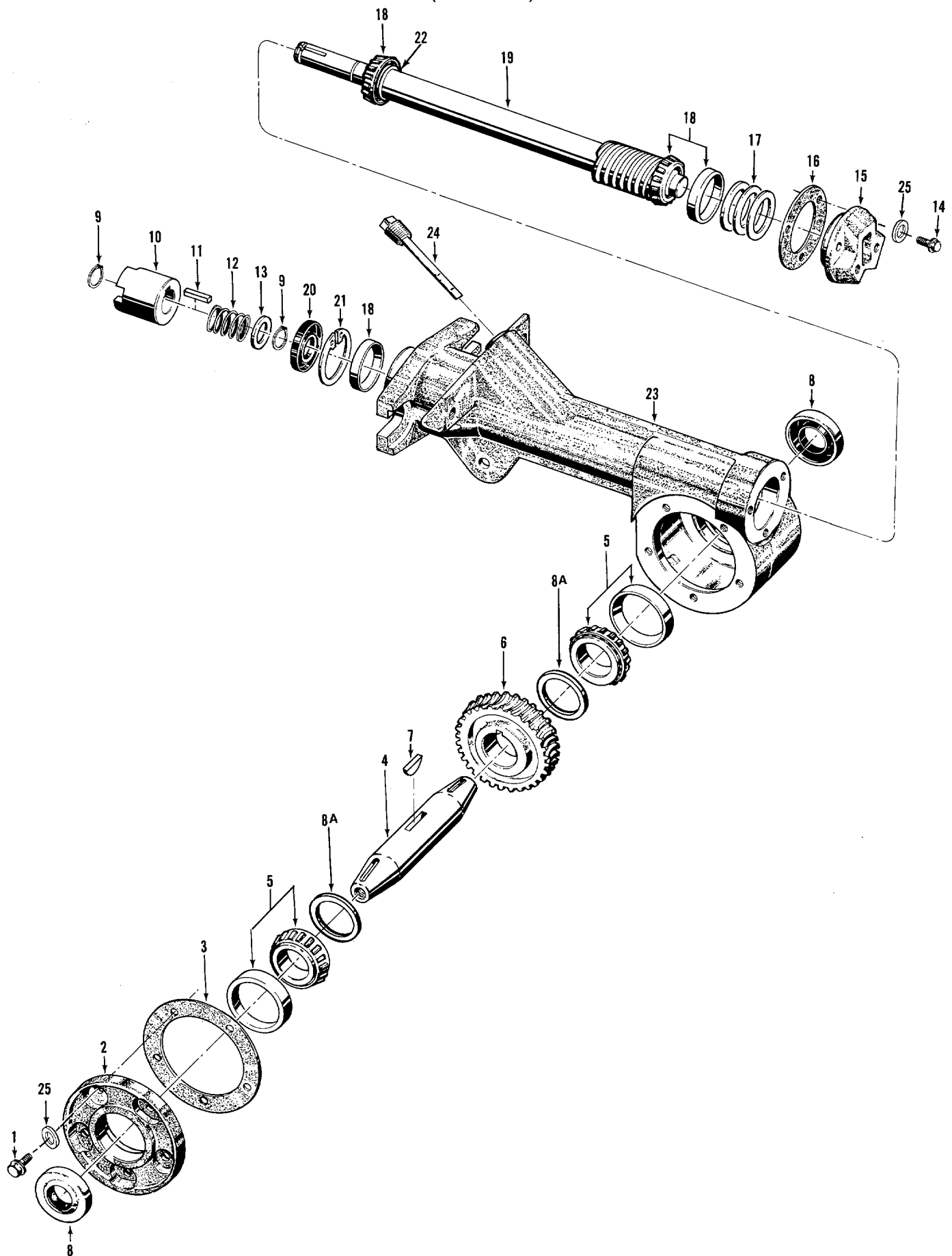
78	2260	HOUSING — power unit transmission. Includes #9359 alignment pin (Ref. #79) Empty housing without covers, shafts, gears, seals, etc. Call Factory Technical Service Dept. before ordering.....	1	....
79	9359	PIN — alignment (aligns power unit housing with tiller attachment housing)	1	....

MISCELLANEOUS PARTS

80	9560	BOLT — hex. hd., 1/2"-13 x 2", Grade 5. Connects power unit and tiller attachment housings.....	2	....
81	9928	WASHER — disc spring (concave). Domed side of washer faces bolt head	2	....
82	2126	POST — with threaded hole for #9560 bolt (Ref. #80)	2	....
83	9726	PLUG — pipe, 1/4". Oil level check plug and oil drain plug.....	2	....
84	9122	PLUG — red plastic, thread protector.....	1	....
85	9205	CLIP — for Forward Interlock System plug connector (also see Page 16)	1	....
86	1900759	DECAL — Forward Interlock Wire Harness.....	1	....

TILLER ATTACHMENT TRANSMISSION ASSEMBLIES

(FIGURE 6)

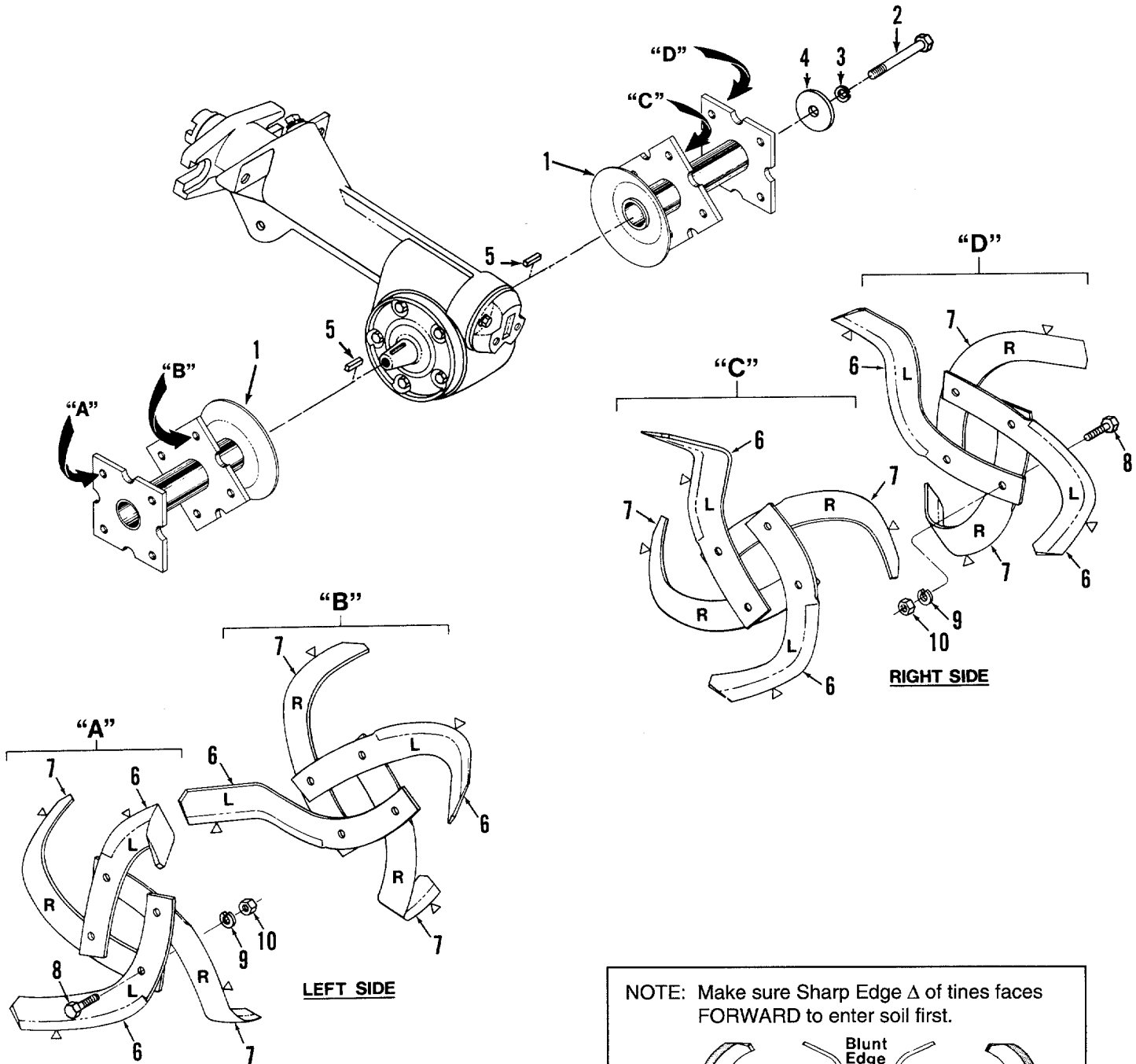


TILLER ATTACHMENT TRANSMISSION ASSEMBLIES

(FIGURE 6)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
TILLER TINE SHAFT ASSEMBLY				
1	9780	BOLT — hex. hd., 1/4"-20 x 5/8", self locking flange	5	....
2	1900882004	COVER — tiller housing. Includes five #9780 bolts (Ref. No. 1).....	1	1872
3	1129-1	GASKET — tiller housing cover, .010" thick.....	A/R	....
3	1129-2	GASKET — same as above, .030" thick	A/R	....
4	1026	SHAFT — tiller tine.....	1	....
5	11522	BEARING & CUP — tapered cone roller bearing with cup (race). Cone and cup sold as set only	2	....
6	2654	WORM GEAR — bronze, tiller tine shaft. Driven by worm on tiller drive shaft.....	1	....
7	97067	KEY — tiller tine shaft. Woodruff key with ends ground.....	1	....
8	9618	SEAL — oil, tiller tine shaft.....	2	9616
8A	94017	WASHER — special, heat-treated.....	2	....
TILLER DRIVE SHAFT ASSEMBLY				
9	9500	RETAINING RING — (snap ring), external. Retains dog clutch to shaft.....	2	....
10	2120-1	DOG CLUTCH — tiller drive shaft.....	1	....
11	9301	KEY — 3/8" square x 1", dog clutch to tiller drive shaft	1	....
12	2127	SPRING — dog clutch.....	1	....
13	1138-1	SHIM — dog clutch, 1/8" (.062") thick	1	....
14	9773	BOLT — hex. hd., 1/4"-20 x 7/8", self locking flange	3	....
15	1900881004	CAP — rear bearing	1	....
16	1124-2	GASKET — rear bearing cap	1	....
7	1224-1	SHIM — front bearing cap, .010" thick	A/R	....
17	1224-2	SHIM — same as above, .030" thick.....	A/R	....
17	1224-3	SHIM — same as above, .005" thick.....	A/R	....
17	1224-4	SHIM — same as above, .062" thick.....	A/R	....
18	1714	BEARING & CUP — tapered cone roller bearing with cup (race). Cone and cup sold as set only.	2	....
19	11602	SHAFT — main tiller drive. Includes an integral worm gear, plus two pressed-on cone roller bearings, two bearing cups (Ref. #18) and one shoulder washer	1	....
20	9617	SEAL — oil, drive shaft, front	1	....
21	9517	RETAINING RING — (snap ring), internal. Retains front bearing cup	1	....
22	1138-1	WASHER — shoulder(drive shaft)	1	....
TRANSMISSION HOUSING AND DIPSTICK				
23	2206	HOUSING — tiller attachment. Includes pressed-on sleeve in front of housing and cone tine shaft bearing cup (Ref. #5) mounted in right side of housing. Empty housing without shafts, gears, seals, dipstick, etc. Call Factory Technical Service Dept. before ordering	1	....
24	2136	DIPSTICK — oil level, tiller attachment	1	....
MISCELLANEOUS PARTS				
25	— —	WASHER — nylon, 1/4". Not reusable (if bolts with these washers are removed, discard washers, then apply non-hardening gasket sealant to bolt threads and replace bolts securely).	8	....

BOLO TINE ASSEMBLIES (FIGURE 7)



LEGEND:
 Δ = Sharp Edge
 L = Left Bolo Tine
 R = Right Bolo Tine

NOTE: Make sure Sharp Edge Δ of tines faces FORWARD to enter soil first.

Sharp

Blunt Edge

LEFT HAND TINE RIGHT HAND TINE
 (As viewed with blunt edge facing you.)

BOLO TINE ASSEMBLIES

(FIGURE 7)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE- PLACES
1	1900871004	TINE HOLDER — welded steel. For left or right side of tiller	2	....
2	9669	BOLT — hex hd., ½"-20 x 4- ¾" long	2	....
3	9914	LOCKWASHER — ½", holder mounting	2	....
4	9952	WASHER — flat. Outer dia. 1.500", inner dia. .516", thickness .182"	2	....
5	9301	KEY — tine shaft. ⅜" square x 1" long	2	....
6	2475-1	BOLO TINE, CUSTOM TILLING — single, Left Hand. Used on left and right side tine assemblies. Includes two each Part #9711 bolts and #9807 lock nuts.....	8	....
7	2475-2	BOLO TINE, CUSTOM TILLING — single, Right Hand. Used on left and right side tine assemblies. Includes same hardware as described above for left hand tine	8	....
8	9711	BOLT — hex hd., ⅜"-16 x 1", tine mounting.....	16	....
9	9913	LOCKWASHER — ⅜", Tine Mounting. Not used with Custom Tilling Bolo Tines...	16	....
10	9802	NUT — hex, ⅜"-16, tine mounting. Not used with Custom Tilling Bolo Tines	16	....
...	1245K	STANDARD TINE REPLACEMENT KIT — unassembled. Includes eight each of Part #1270-1A and #1270-2A standard tines and sixteen each of #9711 bolts, #9913 lockwashers and #9802 hex nuts. Includes easy-to-follow instructions for installing tines. DOES NOT INCLUDE tine holders, holder mounting hardware, or tine shaft keys.....	1	....
...	10355	WELDED STEEL TINE HOLDER REPLACEMENT KIT — Includes one each of Part #2415 welded steel tine holder, #9669 bolt, #9914 lockwasher and #9952 washer. Order two kits if replacing both holders. DOES NOT INCLUDE tines, tine mounting hardware, or tine shaft key	1	....

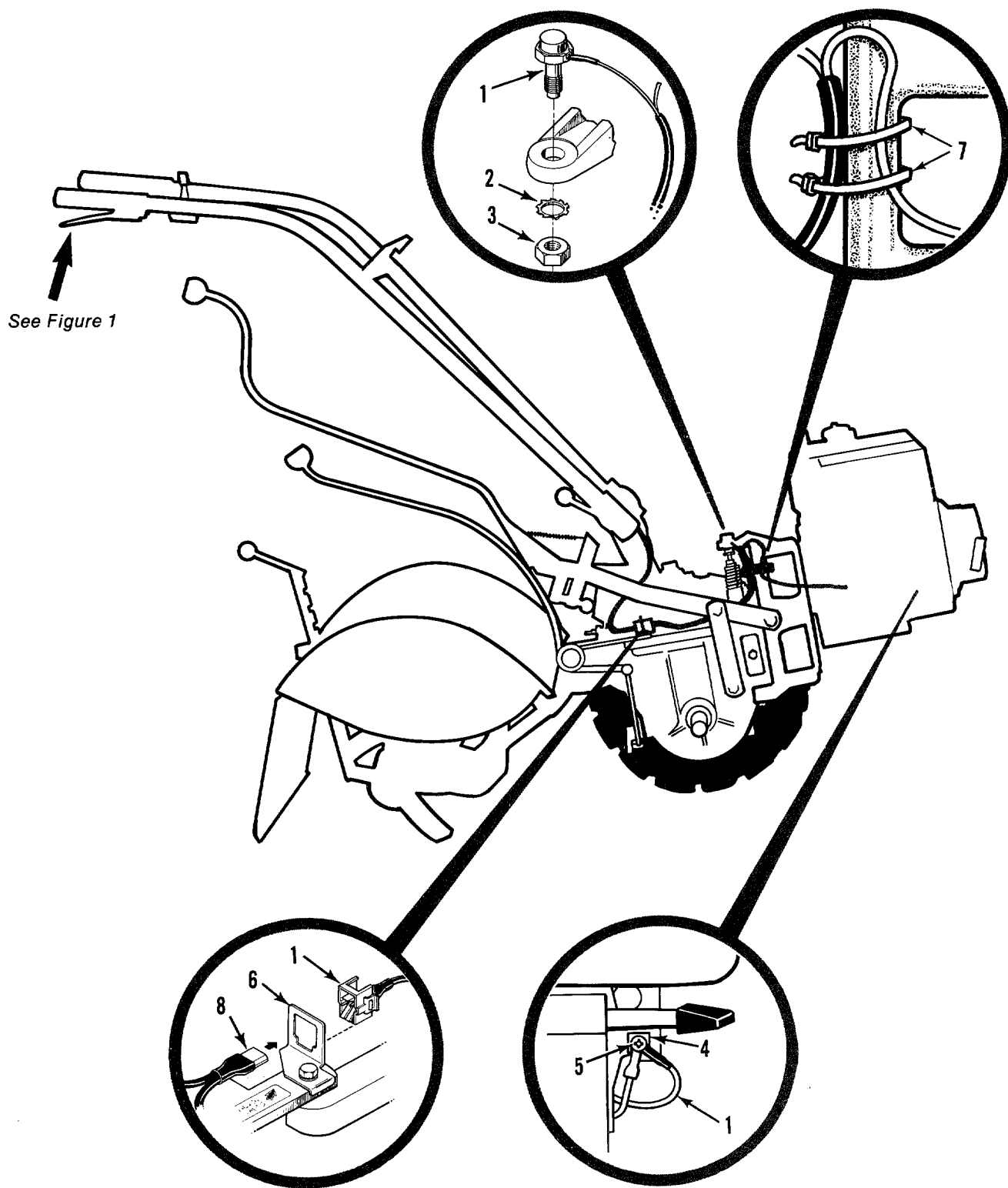
CUSTOM TILLING TINE KIT

Special hard-faced, high chrome carbon alloy tines that are thicker than standard Bolo Tines. These tines better resist the abrasive action of rocky, gritty, or sandy soil as compared to standard Bolo Tines, and are especially suited for custom tilling or market gardening.

...	10802	CUSTOM TILLING TINE KIT — Includes eight each of Part #2475-1 and #2475-2 tines and sixteen each of #9711 bolts and #9807 locknuts	1	....
...	9807	LOCKNUT — Hex, ⅜"-16. Used in place of Ref. No.'s 9 and 10 when using custom tilling tines	16	....

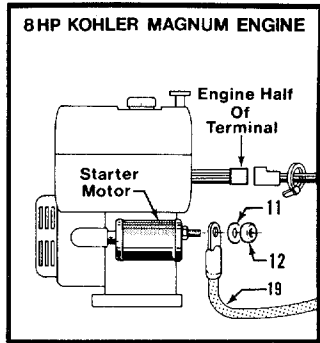
FORWARD INTERLOCK SYSTEM

(FIGURE 8)



8HP KOHLER

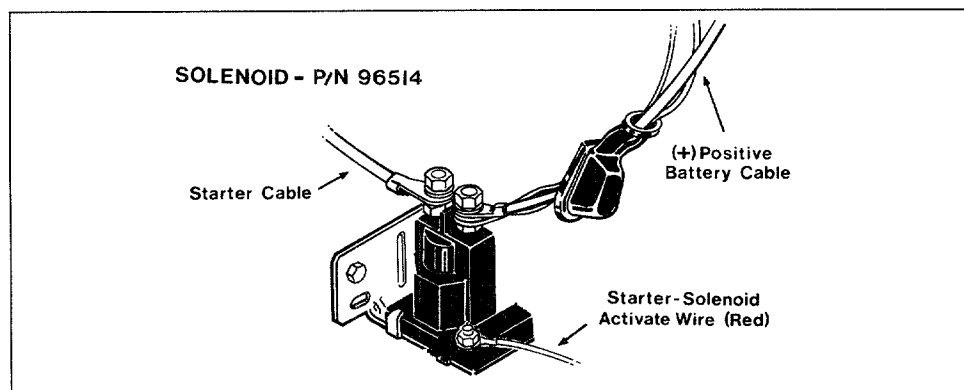
(FIGURE 9)



ELECTRIC START SYSTEM

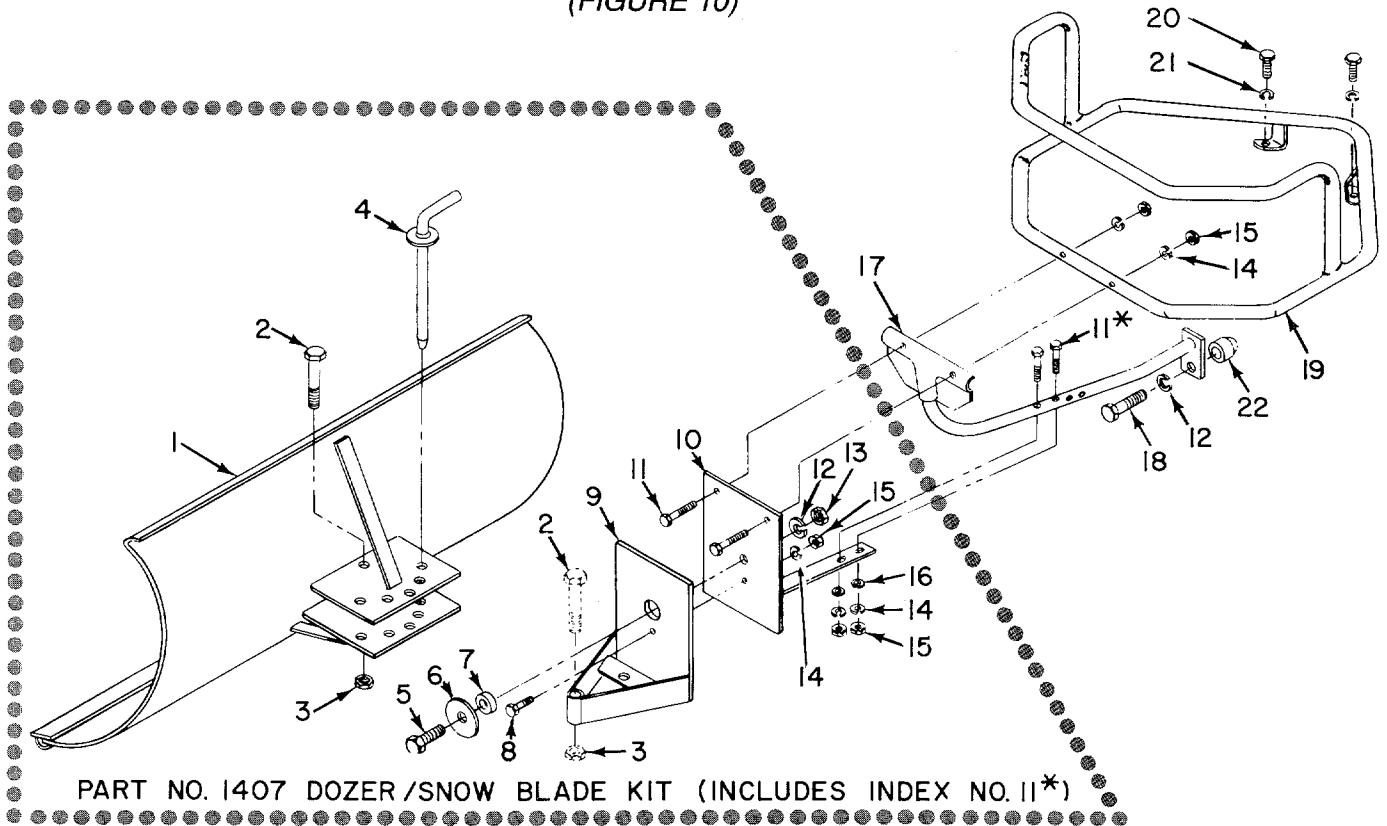
(FIGURE 9)

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
1	96515	CABLE — battery, positive and negative terminals	2	....
2	97020	RUBBER BOOT — terminal insulating	3	....
3	9552	SCREW — self threading, ¼"-20 x ½", one for grounding negative cable and two for mounting solenoid to bracket	3	....
4	9780	BOLT — hex. hd., ¼"-20 x ⅝"	2	9703
5		This Ref. No. not used with 8HP Kohler engine.		
6	1900873	BATTERY HOLD-DOWN CLAMP — with attached Key Switch Plate (includes #1900800 decal)	1	....
7	1900800	DECAL — keyswitch instructions	1	....
8	9230	KEY SWITCH — includes two #9243 keys, one lockwasher and one mounting nut (hardware not available separately from Garden Way)	1	....
9	9243	KEY — ignition, one pair	1	....
10	9566	BOLT — carriage, ¼"-20 x 1- ¼", hold-down clamp to bracket	2	....
11	9910	LOCKWASHER — spring lock, ¼"	4	....
12	9800	NUT — hex., ¼"-20	6	....
13	9092B	BATTERY — 12 volt, 30 amperes, side-vented. Comes with Part #9009 vent tube	1	
14	1959	SOLENOID — starter. NOTE: If your tiller is equipped with a solenoid that looks like the one shown in the box below, then order Part No. 96514 instead of Part No. 1959 when ordering a replacement solenoid	1	....
15	9912	LOCKWASHER — spring lock, ⅝", solenoid left and right posts	2	....
16	9826	NUT — hex., ⅝"-24, solenoid left and right posts	2	....
17	9921	LOCKWASHER — external tooth, #10, solenoid center post	1	....
18	9809	NUT — hex., 10-32, center post on solenoid	1	....
19	96510	CABLE — solenoid to starter motor	1	....
20	1900875004	BATTERY BRACKET	1	....
21	90047	BOLT — flanged hex. hd., ⅝"-16 x 1- ½", bracket to transmission cover	2	....
22	—	This REF. NO. not used .....		....
23	9265	TIE — twist, red plastic, wire retaining	1	....
24	9009	VENT TUBE — ⅝" dia.	1	....
25	1475	SHIELD — vent tube, ½" dia.	1	....
26	9224	CLAMP — vent tube shield	1	....
29	2613	WIRE HARNESS — for Kohler engine. Includes two receptacles; three red wires (solenoid activate, battery recharge, and starter switch); one green (shutoff) wire; plastic harness tube	1	....



DOZER/SNOW BLADE ATTACHMENT

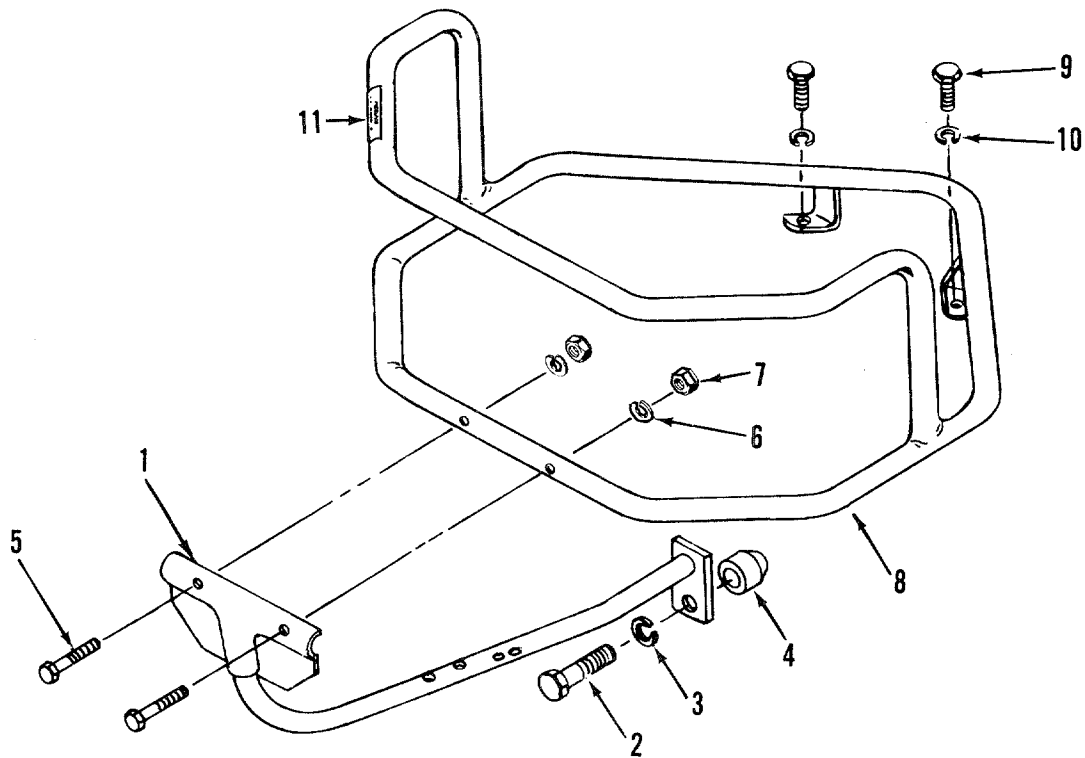
(FIGURE 10)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
...	1873	DOZER/SNOW BLADE — complete attachment. Includes Ref. No's. 1 through 22, listed below.....	1	....
1	1900780004	BLADE — dozer/snow blade	1	....
2	9717	BOLT — hex. head, 1/2"-13 x 3"	1	....
3	9804	LOCKNUT — hex., 1/2"-13	1	....
4	1900781004	PIN — index, blade angle adjustment	1	....
5	9767	BOLT — hex. head, 1/2"-13 x 1- 1/2"	1	....
6	9905	WASHER — plain, 1/2"	1	....
7	1416	BUSHING	1	....
8	9705	BOLT — hex. head, 5/16"-18 x 1- 1/4"	1	....
9	1900782004	BRACKET — swivel ("A" frame)	1	....
10	1900783004	BRACKET — dozer/bumper mounting	1	....
11	9759	BOLT — hex. head, 5/16"-18 x 1- 3/4"	4	....
12	9914	LOCKWASHER — spring lock, 1/2"	2	....
13	9803	NUT — hex., 1/2"-13	1	....
14	9912	LOCKWASHER — spring lock, 5/16"	5	....
15	9801	NUT — hex., 5/16" x 18	5	....
16	9902	WASHER — plain, 5/16" S.A.E.	2	....
17	2198	BRACE — bumper bottom (requires spacer, Part #1561 — see Ref. #22, below)	1	....
18	9716	BOLT — hex. head, 1/2"-13 x 2"	1	....
19	1683	BUMPER — wraparound	1	....
20	9710	BOLT — hex. head, 3/8"-16 x 1"	2	....
21	9913	LOCKWASHER — spring lock, 3/8"	2	....
22	1561	SPACER — for bottom brace	1	....
...	1900886	DOZER/SNOW BLADE KIT — shown within dotted area in Figure 10. For those who have already purchased a bumper (see Page 21) and want to add a dozer/snow blade. Kit includes Ref. No's. 1 through 16, shown above.....	1	....

BUMPER ATTACHMENT

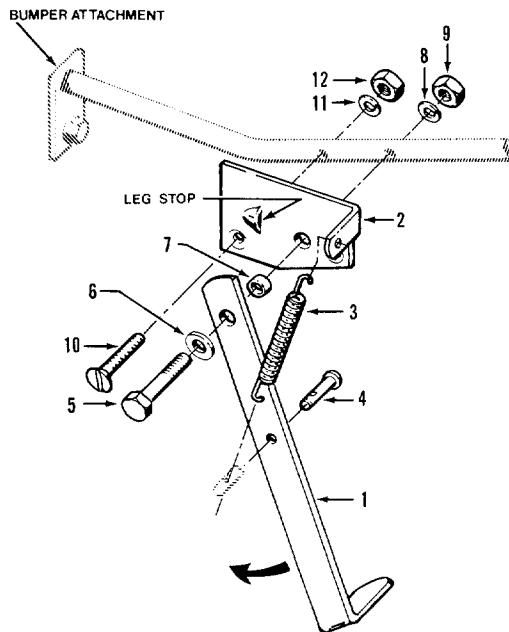
(FIGURE 11)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
....	1900830	BUMPER ATTACHMENT — complete. Includes Ref. No's. 1 through 11, listed below.....	1	....
1	1900776004	BRACE — bumper bottom	1	....
2	9716	BOLT — hex. head, 1/2"-13 x 2"	1	....
3	9914	LOCKWASHER — spring lock, 1/2"	1	....
4	1561	SPACER — for bottom brace	1	....
5	9758	BOLT — hex. head, 5/16"-18 x 1- 1/2"	2	....
6	9912	LOCKWASHER — spring lock, 5/16"	2	....
7	9801	NUT — hex., 5/16"-18	2	....
8	1900775004	BUMPER — wraparound.....	1	....
9	9710	BOLT — hex. head, 3/8"-16 x 1"	2	....
10	9913	LOCKWASHER — spring lock, 3/8"	2	....
11	1448	DECAL — for bumper.....	1	....

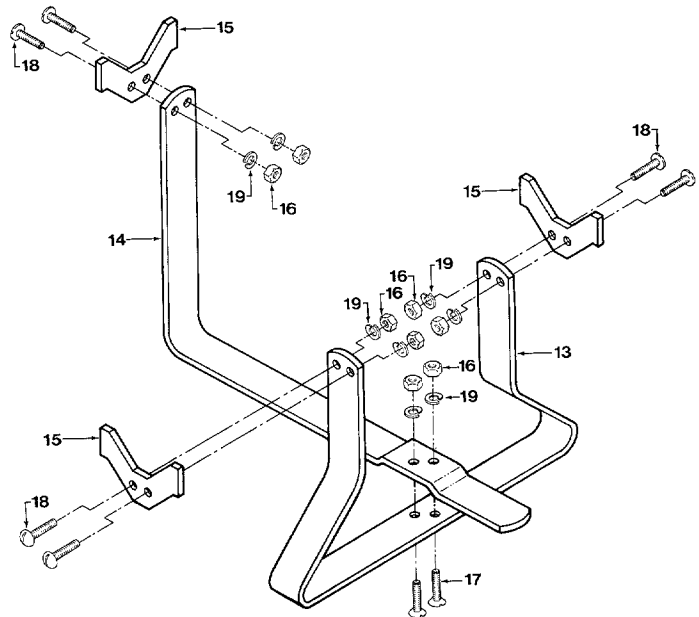
KICKSTAND ATTACHMENT

(FIGURE 12)



TINE ATTACHMENT CRADLE

(FIGURE 13)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
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KICKSTAND ATTACHMENT

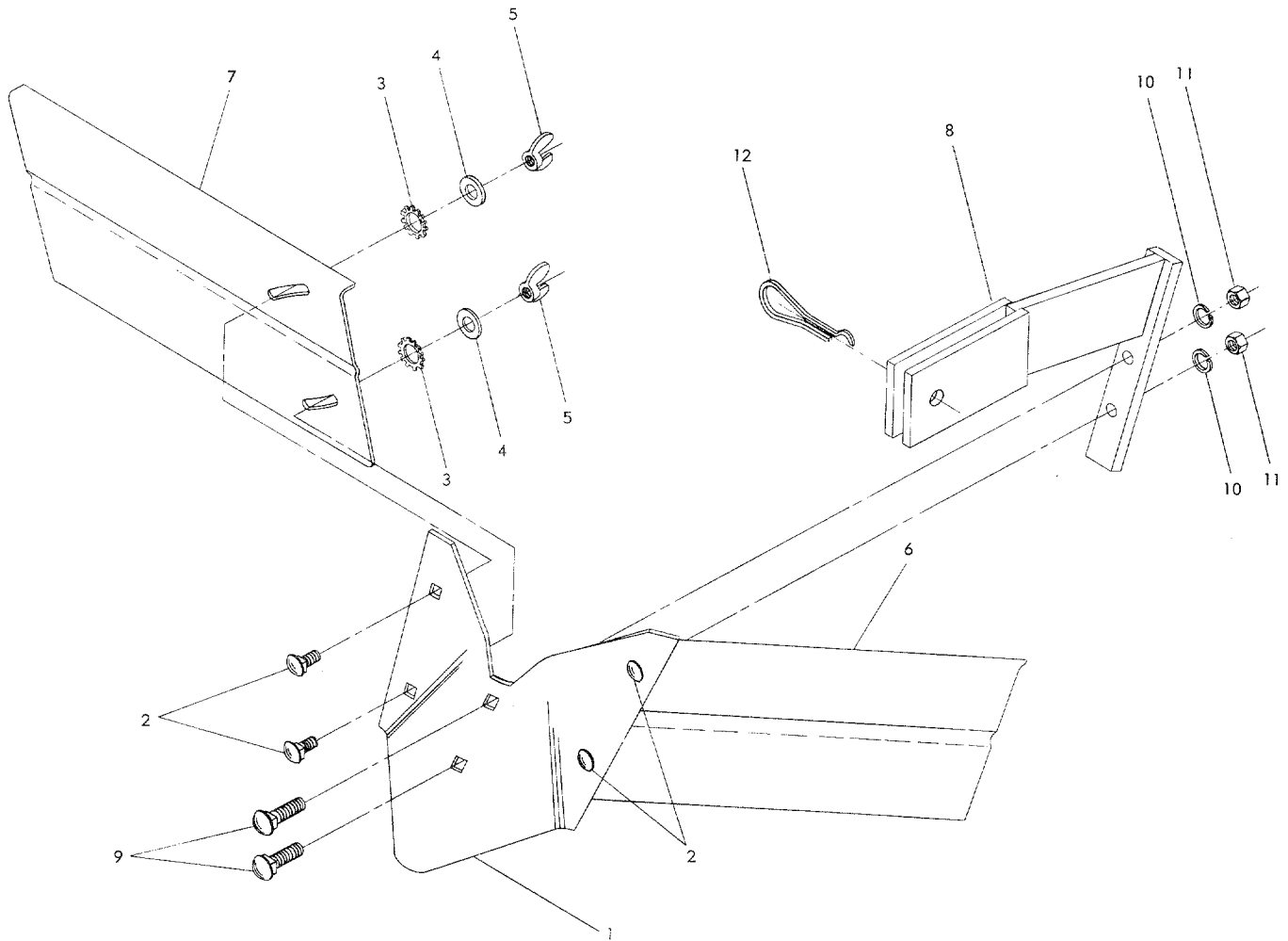
...	1900883	KICKSTAND ATTACHMENT — complete. Includes Ref. No.'s 1 through 12, listed below. Kickstand attaches to lower brace of Bumper Attachment	1
1	1900884004	LEG — kickstand	1	....
2	1900885004	PLATE — kickstand mounting	1	....
3	1492	SPRING — kickstand	1	....
4	9336	PIN — clevis	1	....
5	9741	BOLT — hex. hd., 5/16" -18 x 2", Grade 5	1	....
6	9902	WASHER — flat, 5/16", S.A.E.	1	....
7	9473	BUSHING — .438" long (.313" O.D., .275" I.D.)	1	....
8	9912	LOCKWASHER — spring lock, 5/16"	1	....
9	9801	NUT — hex., 5/16"-18	1	....
10	9567	SCREW — flat hd., 1/4"-20 x 1- 1/2"	1	....
11	9910	LOCKWASHER — spring lock, 1/4"	1	....
12	9800	NUT — hex., 1/4"-20	1	....

TINE ATTACHMENT CRADLE

...	1900892	TINE ATTACHMENT CRADLE — complete. Includes Ref. No.'s 13 through 19, listed below. For storing Tine Attachment when removed from Power Unit. Also assists in removal and replacement of Tine Attachment.	1	....
13	1900894004	REAR CRADLE SUPPORT	1	....
14	1900893004	FRONT CRADLE SUPPORT	1	....
15	1900895004	TINE CRADLE PLATE	3	....
16	9800	NUT — hex., 1/4"-20	8	....
17	9580	SCREW — hex hd., 1/4"-20 x 3/4"	2	....
18	9701	SCREW — round-head, 1/4"-20 x 3/4"	6	....
19	9910	LOCKWASHER — spring lock, 1/4"	8	....

HILLER/FURROWER ATTACHMENT

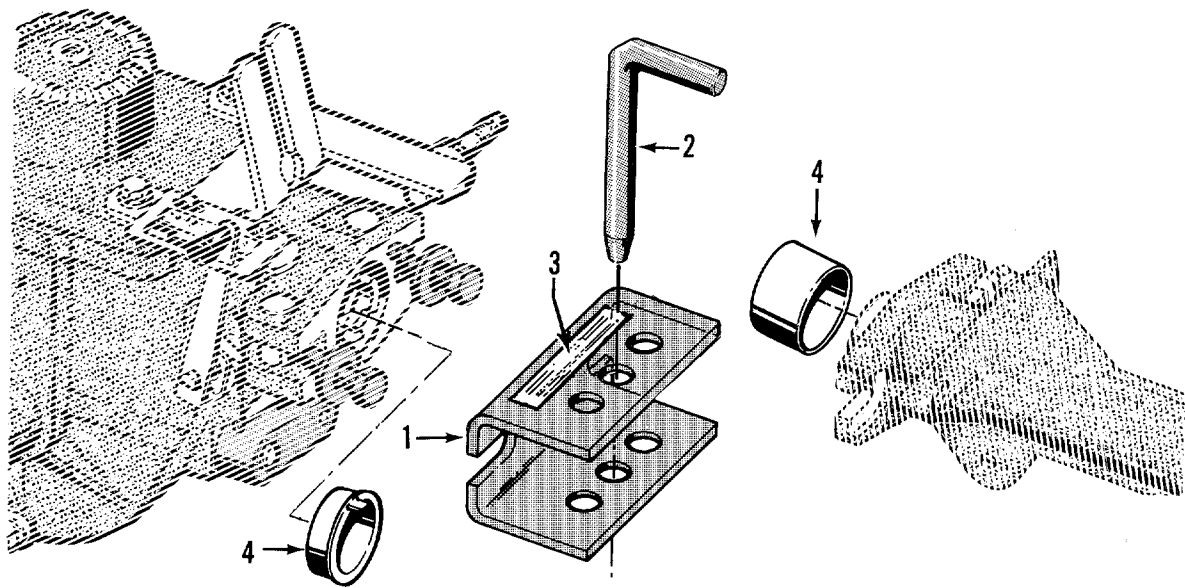
(FIGURE 14)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
...	1900829	HILLER/FURROWER — complete attachment (owner must bolt blade to mounting bracket, and wings to blade). Includes Ref. No's 1 through 12, listed below. Instructions included.....	1	....
1	1900771004	FURROWER — blade only.....	1	....
2	9765	CARRIAGE BOLT — $\frac{5}{16}$ "-18 x $\frac{3}{4}$ ".....	4	....
3	9919	STAR WASHER — external tooth, $\frac{5}{16}$ ".....	4	....
4	9902	WASHER — plain, $\frac{5}{16}$ " S.A.E.	4	....
5	9824	WING NUT — $\frac{5}{16}$ "-18.....	4	....
6	1900777004	HILLER WING — left.....	1	....
7	1900778004	HILLER WING — right.....	1	....
8	1900772004	BRACKET — blade mounting.....	1	....
9	9725	CARRIAGE BOLT — blade mounting, $\frac{3}{8}$ "-16 x 1- $\frac{1}{2}$ ".....	2	....
10	9913	LOCKWASHER — spring lock, $\frac{3}{8}$ " plated.....	2	....
11	9802	NUT — hex., $\frac{3}{8}$ "-16, plated.....	2	....
12	9318	PIN — clinch.....	1	....

TOW HITCH ATTACHMENT

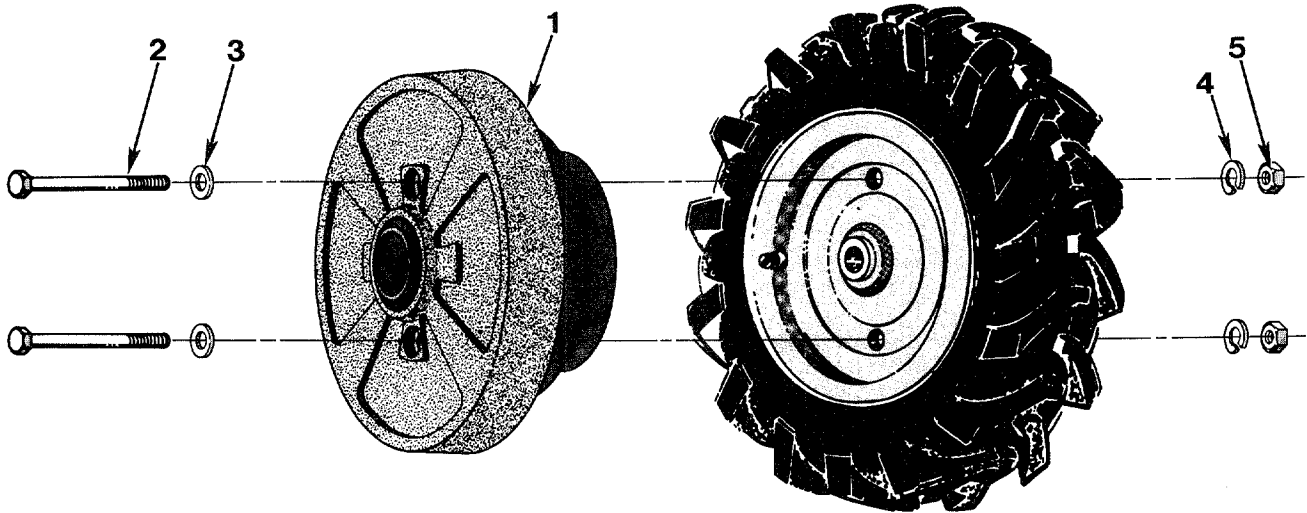
(FIGURE 15)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
...	1900891	TOW HITCH ATTACHMENT — complete. Includes Ref. No's 1 through 4, listed below.....	1	....
1	1900779004	HITCH — mounting plate. Includes decal (Ref. No. 3)	1	....
2	9363	PIN — hitch.....	1	....
3	2288	DECAL — warning instructions	1	....
4	2006	DUST CAPS — two protective covers, one for transmission PTO access hole and one for dog clutch coupling on tiller attachment.	1	....

WHEEL WEIGHTS

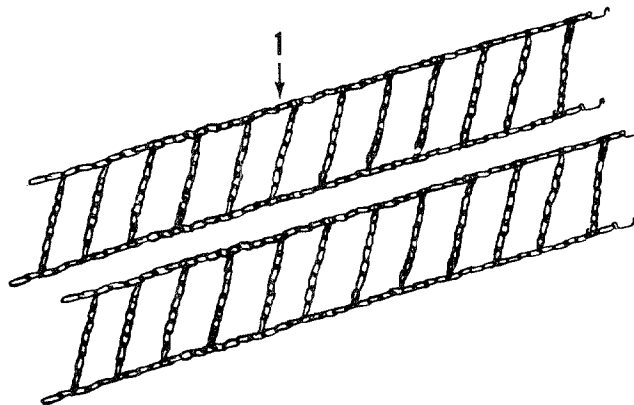
(FIGURE 16)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
1	2382	SHELL — wheel weight	2	....
2	9661	BOLT — hex hd, $\frac{3}{8}$ "-16 x 6"	4	....
3	9904	WASHER — flat, $\frac{3}{8}$ "	4	....
4	9913	LOCKWASHER — spring, $\frac{3}{8}$ "	4	....
5	9802	NUT — hex, $\frac{3}{8}$ "-16	4	....
...	10185	WHEEL WEIGHT KIT — complete. Includes Ref. No's. 1 through 5, listed above. Instructions included with kit.	1	....

TIRE CHAINS

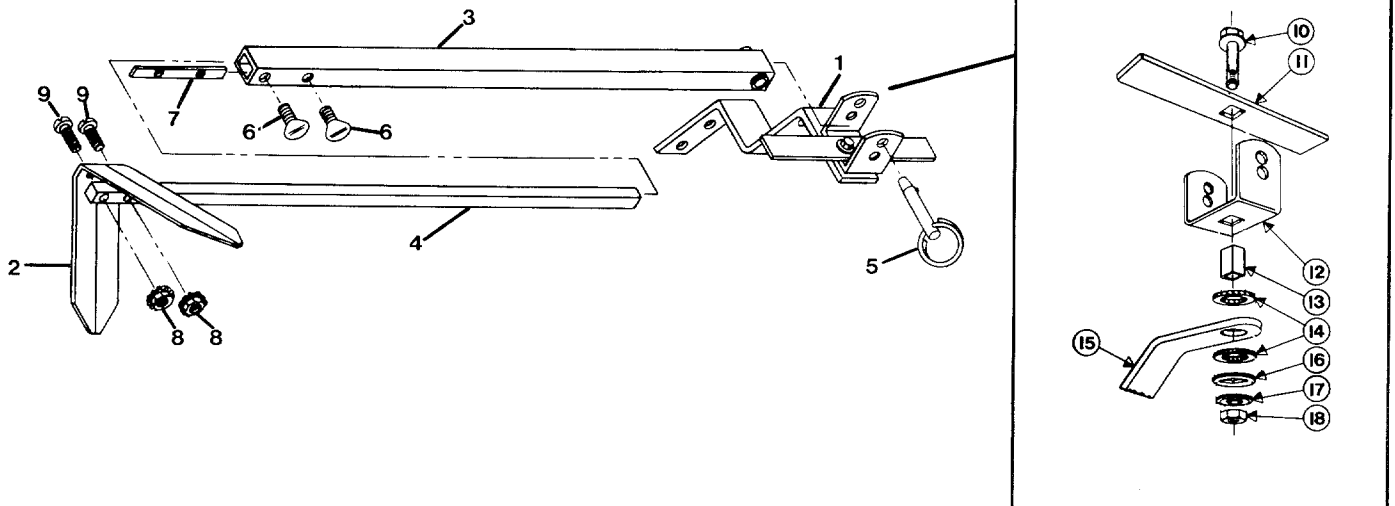
(FIGURE 17)



REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
1	9146	CHAINS — tire, heavy-duty steel. Two chains in set.	1	....

ROW MARKER ATTACHMENT

(FIGURE 18)



Main Support /Yoke Assembly
Part 1900888004

REF. NO.	PART NO.	DESCRIPTION	QTY.	RE-PLACES
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ROW MARKER ATTACHMENT — PART #1900887 (Complete — Attaches to Furrower Attachment)

1	1900888004	MAIN SUPPORT & YOKE ASSEMBLY — complete. Includes Ref. No's 10 through 18 listed below.....	1	....
2	1594	MARKER BLADE — blade only.....	1	....
3	1900890004	MARKER ARM — main arm.....	1	....
4	1900889004	MARKER ARM — extension arm with stop pin.....	1	....
5	9347	HITCH PIN — included in #1837 Hardware Package.....	1	....
6	9786	THUMBSCREW — ¼"-20 x ½", included in #1837 Hardware Package.....	2	....
7	1596	NUT BAR — included in #1837 Hardware Package.....	1	....
8	9828	NUT — hex., 10-24 with attached star washers (see #1837 Hdw. Pk.).....	2	....
9	9721	SCREW — round hd., 10-24 x 1", included in #1837 Hardware Pkg.	2	....
...	1837	HARDWARE PKG. — includes: one #9347 Hitch Pin, two #9786 Thumbscrews, one #1596 Nut Bar, two #9828 Hex. Nuts, and two #9721 Screws.....	1	....

ROW MARKER MAIN SUPPORT & YOKE ASSEMBLY — Part #1900888004

10	9784	BOLT — flanged, self-locking, ⅝"-16 x 1- ½".....	1	....
11	1593	STOP BAR.....	1	....
12	1592	YOKE.....	1	....
13	1591	TUBE KEY — square.....	1	....
14	1590	WASHER — friction.....	1	....
15	1588	MAIN SUPPORT.....	1	....
16	1589	WASHER — square hole.....	1	....
17	9925	WASHER — disc spring.....	1	....
18	9802	NUT — hex., ⅝"-16.....	1	....

Hardware is not available separately. These common hardware items can be easily found at local hardware stores.

NOTES

NOTES

NOTES



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