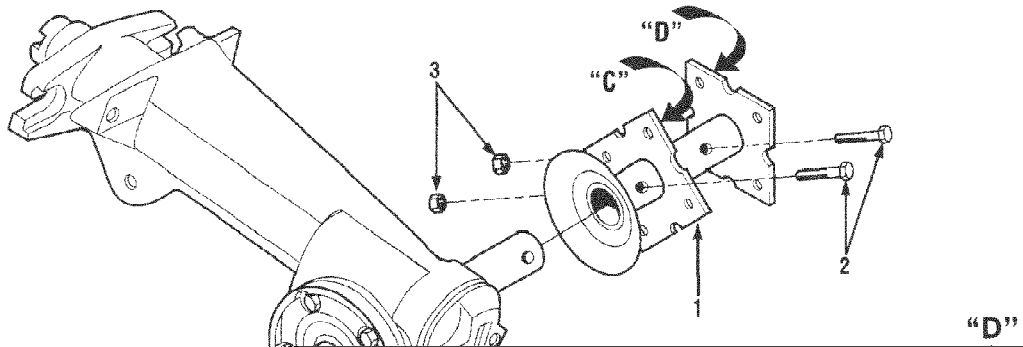


21AE682L766 10HP Roto-Tiller (2004)
Bolo Tine Assemblies

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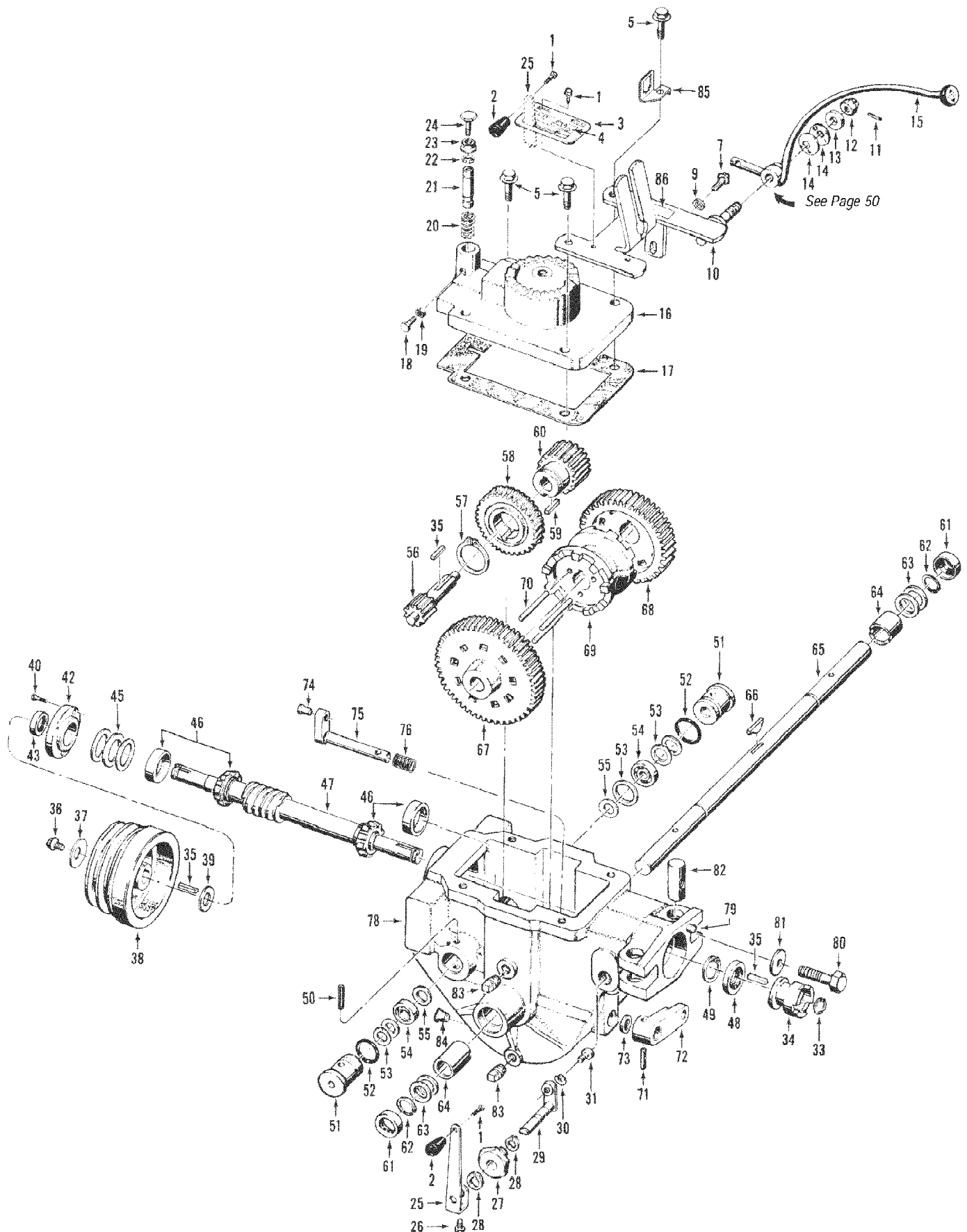
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Handlebar Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	GW-9548	1	/P	Bolt-Hex hd., flanged self-locking Grade 5, 1/2-13 x 3-1/2"
2	GW-9119	1	/P	Knob-handlebar height adjustment
3	GW-9120	1	/P	Ring-retaining (tolerance ring)
4	GW-2657	1	S	Stud-handlebar height adjustment
5	1186233	1	S	Nut-hex, 1/2"-13
6	GW-1021-1	1	S	Clamp-left, handlebar height adjustment
7	GW-2542-1	1	S	Ratchet-left, handlebar height adjustment
8	GW-2542-2	1	S	Ratchet-right, handlebar height adjustment
9	1901784	1	S	Clamp-right, handlebar height adjustment
10	GW-2534A	1	S	Base-handlebar mounting
11	649-04020-0638	1	/P	Handlebars
12	GW-9125	2	S	Grip-handlebars
13	777I22026	1		Decal-Control panel
14	1918111	1		Bolt-curved hd, GR5, 1/4-20 x 2"
15	1186389	1	/P	Nut-hex, flanged self-locking, whiz lock, 1/4"-20
16	1909286	1	S	Throttle Control & Cable, 66"
17	777I20946	2		Decal-Forward Interlock Lever
18	725-0157	2	/P	Tie-plastic
19	GW-9219	2	/P	Plug-wire harness retainer
20	GW-2551	1	/P	Handlebar Wire Harness Assy-forward interlock system
21	GW-9250	2	S	Handlebar Switch-forward interlock system
22	GW-9385	2	/P	Lock Pin-handlebar switch
23	GW-2543	2	S	Switch Housing-handlebar switch.
	GW-2563	1	S	Switch Assembly (Includes Ref. 21-23)
24	1186009	2	/P	Screw-pan head, 10-24 x 1/2", thread-forming
24A	GW-9733	1	/P	Screw-phillips head, 10-32 x 1/2", thread-forming
25	786-04003	2	S	Lever-Operator Presence Control
26	GW-9199	2	/P	Pivot Pin-forward interlock lever
27	GW-9514	2	/P	Retaining Ring-klip ring-forward interlock lever
28	GW-9387	2	/P	Return Spring-fwd interlock lever.
29	777D06526	1		Label - Troy-Bilt Horse
	777D06527	1		Label - Troy-Bilt Horse "Big Red"

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Power Unit Transmission Assemblies

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21AE682L766 10HP Roto-Tiller (2004)
Power Unit Transmission Assemblies

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Ref #	Part Number	Qty	S/P/F	Description
		1		TRANSMISSION COVER & SHIFT LEVER BRACKET ASSEMBLIES
1	1186299	3	S	Bolt-hex hd., #10-32 x 3/8", self-locking flange
2	GW-9463	1	/P	Knob-tines/PTO clutch lever, tapered, plastic
3	GW-2124	1	S	Detent Plate-tines/PTO clutch lever
4	777I20945	1	/P	Decal-operating instructions, detent plate
5	1186349	4	/P	Bolt-flanged hex hd., 3/8-16 x 1-1/2"
7	1186329	1	S	Bolt-flanged hex hd., 5/16-18 x 3/4", Grade 5
9	736-0275	1	S	Washer-flat, 5/16", S.A.E.
10	GW-2149	1	S	Bracket-shift levers
11	GW-9362	1	/P	Pin-spring, 1/8"
12	GW-9838	1		Nut-castle (slotted), 1/2"-20 Call Tech Service for tightening instructions.
13	GW-9934	1	/P	Washer-shoulder, 1/2"
14	GW-9932	2	/P	Washer-disc spring
15	GW-2178	1	S	Lever-wheel speed shift
16	GW-2523	1	S	Cover-power unit transmission
17	GW-1123	1	/P	Gasket-transmission cover
18	710-0376	1	/P	Bolt-hex hd., 5/16-18 x 1", Grade 5, (remove with care)
19	712-0267	1	S	Nut-hex, 5/16"-18
20	1901439	1	/P	Spring-neutral plunger (remove with care)
21	GW-1035-1	1	S	Plunger-neutral (remove with care)
22	1901440	1	/P	Clip Ring-retains neutral plunger
23	1186393	1	/P	Nut-hex, flange locknut, 3/8"-16
24	1902004	1	/P	Bolt-hex hd., 3/8-16x1-1/2", threaded full length
		1		TINES/PTO CLUTCH LEVER ASSEMBLY
25	786-04002	1	/P	Lever-eccentric, tines/PTO clutch.
26	710-3013	1	/P	Bolt-hex hd., 1/4-20 x 1/2"
27	741-04008	1	/P	Bushing-tines/PTO clutch lever eccentric shaft
28	GW-9516	2	/P	Retaining Ring-(snap ring), external
29	GW-2461	1	/P	Eccentric-shaft, tines/PTO clutch lever
30	GW-9911	1	/P	Lockwasher-hi-collar, 1/4"
31	GW-9672	1	S	Screw-socket hd., 1/4-20 x 3/8"
		1		DRIVE SHAFT ASSEMBLY
33	716-0101	1	S	Retaining Ring-external
34	1909139	1	S	Dog Clutch-power unit
35	GW-9301	3	S	Key-3/16 sq. x 1"
36	1100004	1	S	Bolt-hex hd., 5/16-24 x 3/4", self-locking flange, Grade 5
37	GW-9944	1	S	Washer-disc spring (concave)
38	GW-2107	1	/P	Pulley-transmission drive, cast iron
39	GW-50027	1	/P	Washer-flat, hardened shoulder 1-1/4"
40	1186310	3	/P	Bolt-hex hd., 1/4-20 x 3/4", front bearing cap
42	718-04007	1	/P	Cap-front bearing
43	721-04044	1	S	Seal-oil, front bearing cap
45	GW-1224-1	As Req'd	S	Shim-front bearing cap, .010" thick
45	GW-1224-2	As Req'd	S	Shim-as above, .030"

21AE682L766 10HP Roto-Tiller (2004)
Power Unit Transmission Assemblies

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Ref #	Part Number	Qty	S/P/F	Description
45	GW-1224-3	As Req'd	S	Shim-as above, .005"
45	GW-1224-4	As Req'd	S	Shim-as above, .062"
46	GW-1714	2	S	Bearing & Race (Incl. one bearing GW-9400 and one cup (race) GW-9401)
47	GW-2655	1		Shaft-main drive, power unit
48	721-04030	1	S	Seal-oil, drive shaft, rear
49	GW-9517	1	S	Retaining Ring-(snap ring), internal
		1		PINION SHAFT ASSEMBLY
50	715-0121	2	/P	Pin-roll (spiro), 1/4 x 2"
51	718-04006	2		Plug-retaining, pinion bearing
52	GW-9604	2	/P	O-Ring-retaining plug
53	GW-1132-1	As Req'd	/P	Shim-retaining plug, 1-1/64" inner dia., .033" thick (On right side only one GW-1132-1 shim is also used between bearing and washer, Ref. No.'s 54 & 55)
53	GW-1132-2	As Req'd	/P	Shim-same as GW-1132-1, .062".
53	GW-1132-3	As Req'd	/P	Shim-same as GW-1132-1, .010"
54	GW-9404	2	/P	Bearing-ball, pinion shaft
55	GW-1126	2	/P	Washer-pinion shaft
56	GW-1222	1	/P	Stem Pinion-slow speed gear & shaft
57	GW-9502	1	/P	Ring-retaining, external
58	GW-2656	1	/P	Worm Gear-bronze, wheel drive
59	GW-9300	1	/P	Key-3/16" x 5/8"
60	GW-1233	1	/P	Gear-fast speed pinion
		1		WHEEL SHAFT ASSEMBLY
61	721-04031	2	S	Seal-oil, wheel shaft
62	1909950	2	S	Retaining ring-external
63	GW-1166-1	As Req'd	S	Shim-wheel shaft, 1-1/64" inner dia., .062" thick
63	GW-1166-2	As Req'd	/P	Shim-as above, .030" thick
63	GW-1166-3	As Req'd	/P	Shim-as above, .015" thick
63	GW-1166-4	As Req'd	S	Shim-as above, .010" thick
63	GW-1166-5	As Req'd	S	Shim-same as above, .005" thick
64	GW-1086	2	S	Bushing-bronze, wheel shaft bearing
65	711-04086	1	S	Shaft-wheel, 15-5/8"
66	714-04014	1	/P	Key-Hi Pro, 1/4" x 1-3/4"
67	GW-1223	1	/P	Gear-slow speed, wheel drive
68	GW-1232	1	/P	Gear-fast speed, wheel drive
69	GW-1237	1	/P	Dog Clutch-wheel drive
70	GW-1112	3	/P	Pin-clutch guide, 1/4" diameter
		1		ECCENTRIC SHAFT ASSEMBLY
71	1911372	1	/P	Pin-roll, 3/16" x 1-1/4" (spiro)
72	619-04000	1	S	Lever-eccentric, wheel speed shifting
73	721-04034	1	S	Seal-oil, eccentric shaft
74	GW-1442	1	S	Pin-eccentric shaft, wheel speed shifting
75	611-04003	1	/P	Eccentric Shaft-wheel speed shifting
76	GW-1441	1	/P	Spring-eccentric shaft
		1		TRANSMISSION HOUSING
78	GW-2109	1	S	Housing-power unit transmission (Empty housing without covers, shafts, gears, seals, etc.)

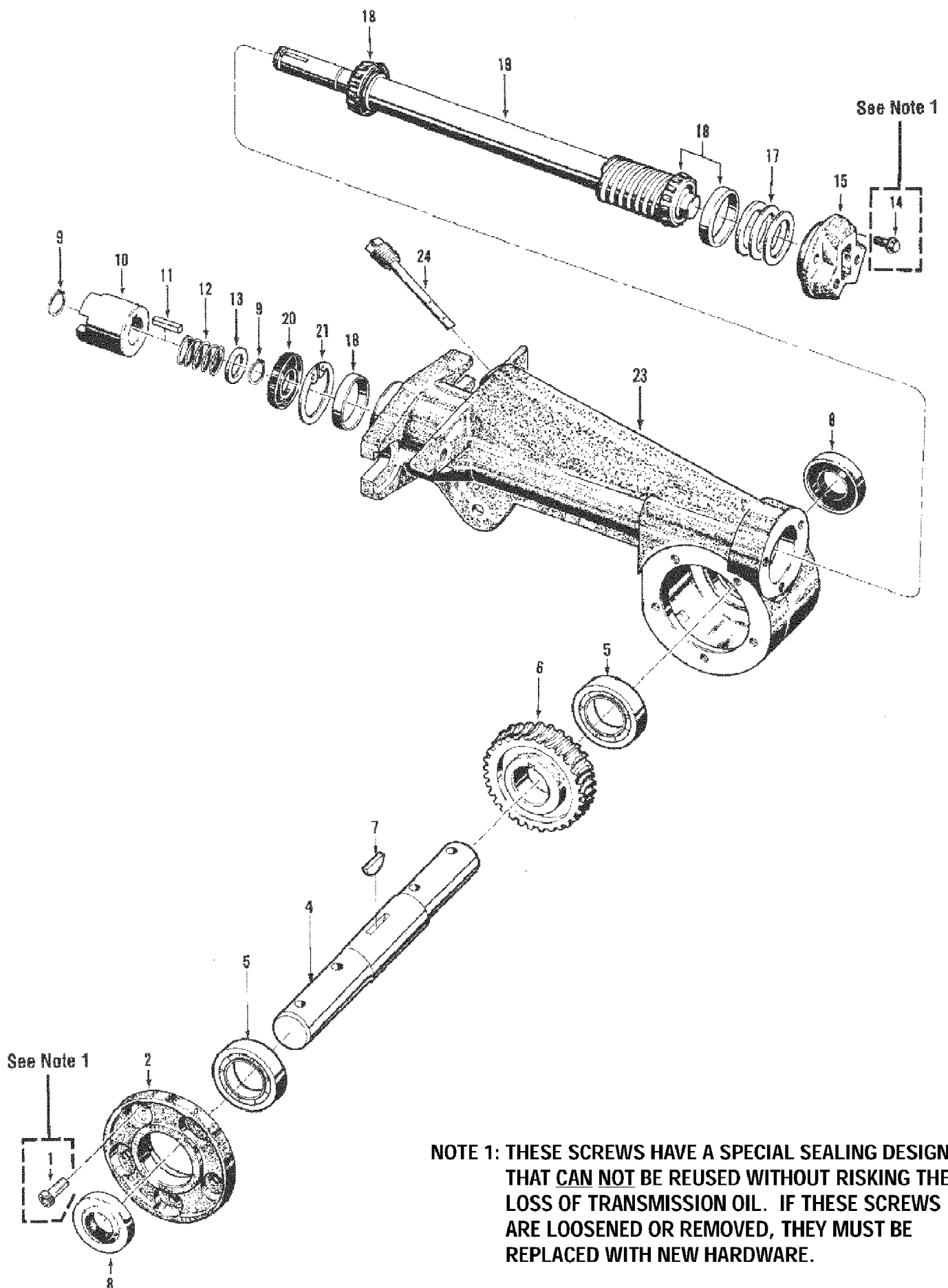
21AE682L766 10HP Roto-Tiller (2004)
Power Unit Transmission Assemblies

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Ref #	Part Number	Qty	S/P/F	Description
79	GW-9359	1	/P	Pin-alignment
		1		MISCELLANEOUS PARTS
80	1100067	2	/P	Bolt-hex hd., 1/2-13 x 2" Grade 5
81	GW-9928	2	/P	Washer-disc spring (concave), domed side faces bolt head
82	GW-2126	2		Post-with threaded hole For Ref. No. 80
83	1105620	2	/P	Plug-pipe, 1/4"
84	GW-9122	1	/P	Plug-red plastic, thread protector.
85	GW-9205	1	/P	Clip-forward interlock system plug connector
86	777I20944	1	/P	Decal-forward interlock wire harness
		1		TRANSMISSION ASSEMBLY
	618-04004	1	S	Transmission -power unit (Does NOT Include Ref. 35-39. Does NOT Include Shift Lever and Bracket Assemblies, Ref. 3, 4, 10, 15, 85, 86, etc.)
	GW-9400	1	S	Bearing
	GW-9401	1	S	Cup (race)

21AE682L766 10HP Roto-Tiller (2004)
Tiller Attachment Transmission Assemblies

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Tiller Attachment Transmission Assemblies

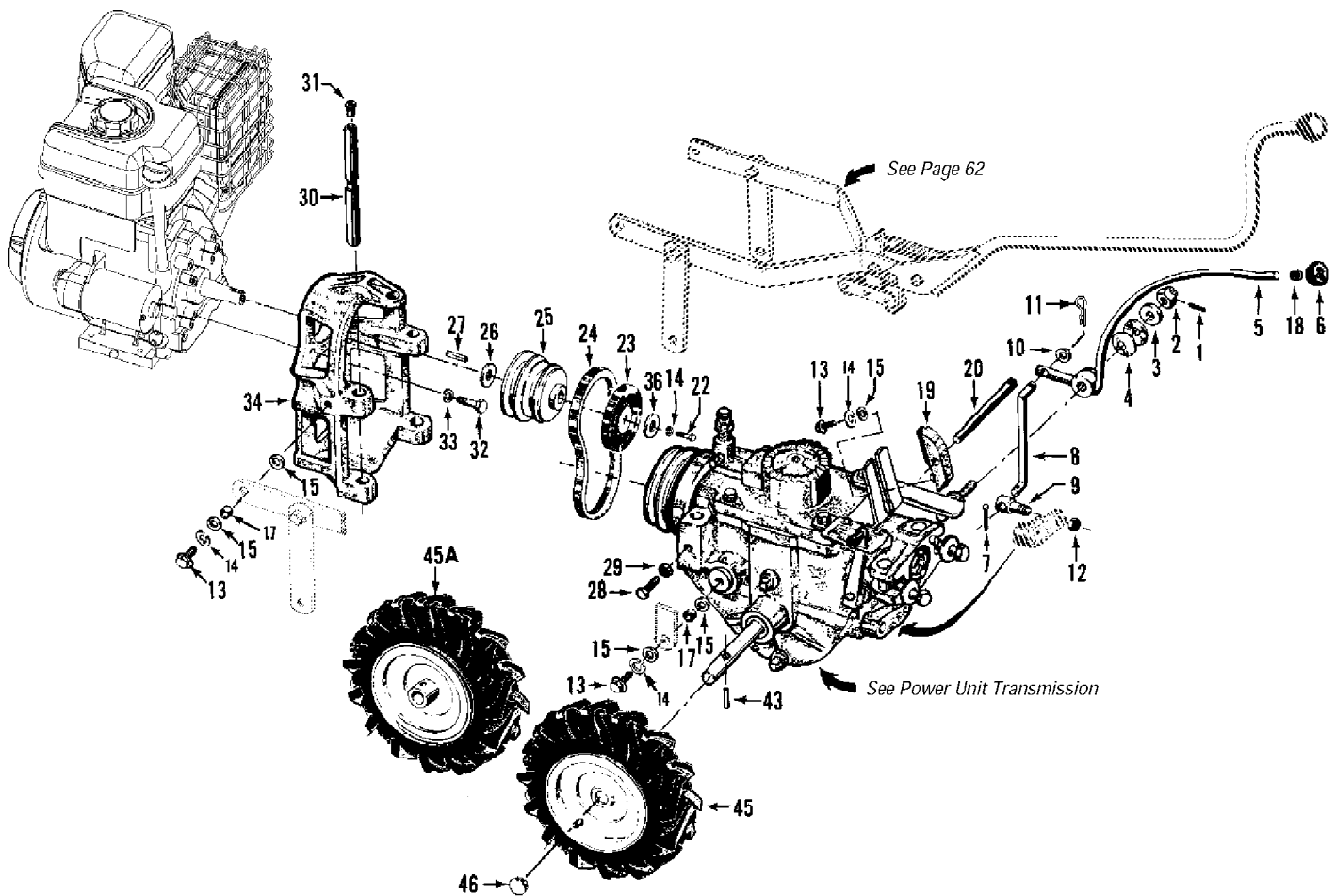
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Ref #	Part Number	Qty	S/P/F	Description
1	1915068	5	/P	Screw-self-sealing,1/4"-20 x 5/8"
2	GW-20873	1	/P	Cover-tiller housing
4	711-04082	1	S	Shaft-tiller tine
5	741-3037	2	S	Ball Bearing
6	1901976	1	/P	Worm Gear-bronze, tiller tine shaft
7	GW-1104	1	/P	Key-tiller tine shaft, woodruff key.
8	721-04035	2	S	Seal-oil, tiller tine shaft
		1		TILLER DRIVE SHAFT ASSEMBLY
9	716-0101	2	S	Retaining Ring-external
10	1909138	1	S	Dog Clutch-tiller drive shaft
11	GW-9301	1	S	Key-3/16" x 1"
12	GW-2127	1	/P	Spring-dog clutch
13	GW-1138-1	1	S	Shim-dog clutch, 1/16"(.62") thick
14	1915069	3	/P	Screw-self-sealing,1/4"-20 x 7/8"
15	GW-1115	1	S	Cap-rear bearing
17	GW-1224-1	As Req'd	S	Shim-front bearing cap, .010" thick
17	GW-1224-2	As Req'd	S	Shim-same as above, .030" thick
17	GW-1224-3	As Req'd	S	Shim-same as above, .005" thick
17	GW-1224-4	As Req'd	S	Shim-same as above, .062" thick
18	GW-1714	2	S	Bearing & Race (Incl. one bearing GW-9400 and one cup (race) GW-9401)
19	GW-2653	1	S	Shaft-main tiller drive
20	721-04030	1	S	Seal-oil, drive shaft, front
21	GW-9517	1	S	Retaining Ring-internal
		1		TRANSMISSION HOUSING AND DIPSTICK
23	1901971	1	S	Housing-tiller attachment (Empty housing without shafts, gears, seals, dipstick, etc.)
24	1909157	1		Dipstick-oil, tiller attachment
		1		TRANSMISSION ASSEMBLY
	618-04003	1	S	Transmission -Tiller (Includes Ref. 1-24)
	GW-9400	1	S	Bearing
	GW-9401	1	S	Cup (race)

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Wheel Speed Lever, Belt Drive System, Engines, Wheels



Ref #	Part Number	Qty	S/P/F	Description
		1		WHEEL SPEED LEVER
1	GW-9362	1	/P	Pin-spring, 1/8"
2	GW-9838	1		Nut-castle (slotted), 1/2"-20
3	GW-9934	1	/P	Washer-shoulder, 1/2"
4	GW-9932	2	/P	Washer-disc spring
5	GW-2178	1	S	Lever-wheel speed shift
6	1902240	1	/P	Knob-wheel speed shift lever
7	GW-9317	1	/P	Pin-cotter, 3/32" x 1"
8	GW-1515	1		Connecting rod, wheel speed -shift lever (Incl. Ref. 7 & Ref. 9)
9	GW-1033	1	/P	Swivel-connecting rod
10	736-0275	1	S	Washer-flat, 5/16", S.A.E.
11	GW-9338	1	S	Pin-hair cotter
12	712-0158	1	S	Locknut-hex hd., 5/16"-18
13	710-0514	5	/P	Bolt-flanged hex hd., 3/8-16 x 1"
14	736-0169	5	S	Lockwasher-spring lock, 3/8"
15	736-3050	8	/P	Washer-flat, 3/8", S.A.E.
17	GW-1113-1	4	S	Bushing-spacer, 19/64" (.300"lg.)
18	GW-9120	1	/P	Ring-retaining (tolerance ring)
		1		BELT DRIVE SYSTEM
19	GW-2102	1		Block- belt adjustment, 3-7/8"
20	GW-2100	1	/P	Rod- belt adjust., 7" with measuring gauge
21	777I20942	1		Decal- engine stabilization
22	1100012	1	/P	Bolt-hex hd., 3/8-24 x 1-1/2"
23	GW-2111	1	S	Disc-reverse
24	GW-9245	1	/P	Belt-forward drive (No substitute due to extra strength required)
25	GW-1483	1	S	Pulley-engine power take off
26	GW-1138-1	As Req'd	S	Shim-engine pulley, 1/16"
26	GW-1138-2	As Req'd	S	Shim-as above, 1/32"
27	GW-9303	1	/P	Key-engine pulley, 3/16"sq. x 2-1/2"
		1		ENGINES AND ENGINE MOUNT
28	710-0376	2	/P	Bolt-hex hd., 5/16-18 x 1", Grade 5
29	712-3010	1	S	Nut, hex, 5/16-18
30	GW-1034	2	S	Bar-engine mounting
31	GW-9147	2	/P	Plug-thread protector, red plastic
32	GW-9572	4	S	Bolt-hex hd., 5/16-24 x 1-1/8"
33	736-0119	4	S	Lockwasher-spring lock, 5/16"
34	GW-2553	1	S	Mount- engine to tiller
36	736-3052	1	/P	Washer, flat, .406 x 1.0 x .105
	777S30647	1		Decal-hot surface warning
		1		WHEEL & TIRE ASSEMBLIES
43	1915072	2	/P	Pin- roll, 5/16" x 1-1/2"
45	1915056	1	/P	Wheel & Tire Assy Left-Hand bar tread, left side, 4:80 x 8" tubeless tire with valve stem, on one-piece steel wheel; For correct traction and directional control, Bar Tread Tires should be mounted on the tiller so the closed end of the "V" in the tire tread on top of the tire faces forward.

21AE682L766 10HP Roto-Tiller (2004)

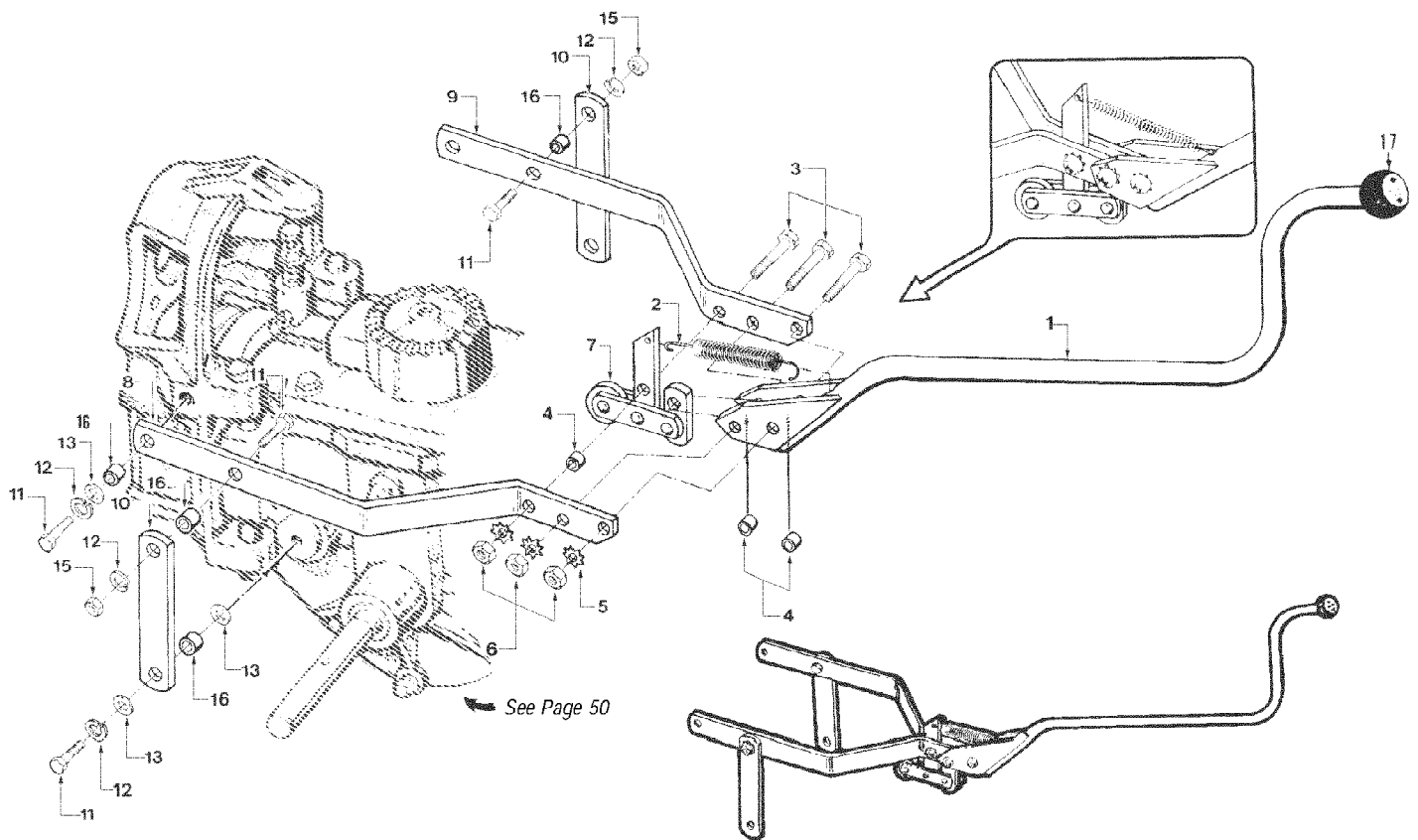
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Wheel Speed Lever, Belt Drive System, Engines, Wheels

Ref #	Part Number	Qty	S/P/F	Description
45A	1915057	1	/P	Wheel & Tire Assy Right-Hand bar tread. Same as above but for right side of tiller; For correct traction and directional control, Bar Tread Tires should be mounted on the tiller so the closed end of the "V" in the tire tread on top of the tire faces forward.
46	1902020	2	/P	Cap-wheel hub

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Wheels/Tines/PTO Drive Lever & Yoke Assembly

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21AE682L766 10HP Roto-Tiller (2004)
Wheels/Tines/PTO Drive Lever & Yoke Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	647-04006	1	/P	Lever Assembly-Wheels/Tines/PTO Drive (Includes Ref. 17)
2	1908156	1	/P	Spring-clutch pawl
3	710-0805	3	/P	Bolt-hex hd., 5/16-18 x 1-1/2"
4	GW-2447	3	/P	Bushing-3/8"
5	1177548	3	S	Lockwasher-external tooth, 5/16"
6	712-3010	3	S	Nut-hex, 5/16"-18
7	686-04006	1	S	Roller Assembly
8	GW-2165-1	1	S	Yoke-left side
9	GW-2165-2	1	S	Yoke-right side
10	GW-2164	2	S	Link-yoke pivot, left & right, 6-7/8" long
11	710-0514	6	/P	Bolt-hex hd., 3/8-16 x 1"
12	736-0169	6	S	Lockwasher-spring lock, 3/8"
13	736-3050	6	/P	Washer-flat, 3/8", S.A.E
15	712-0798	2	/P	Nut-hex, 3/8"-16
16	1113-1	6	S	Bushing-spacer, 19/64" (.300")
17	GW-2595	1	S	Knob