3310-408

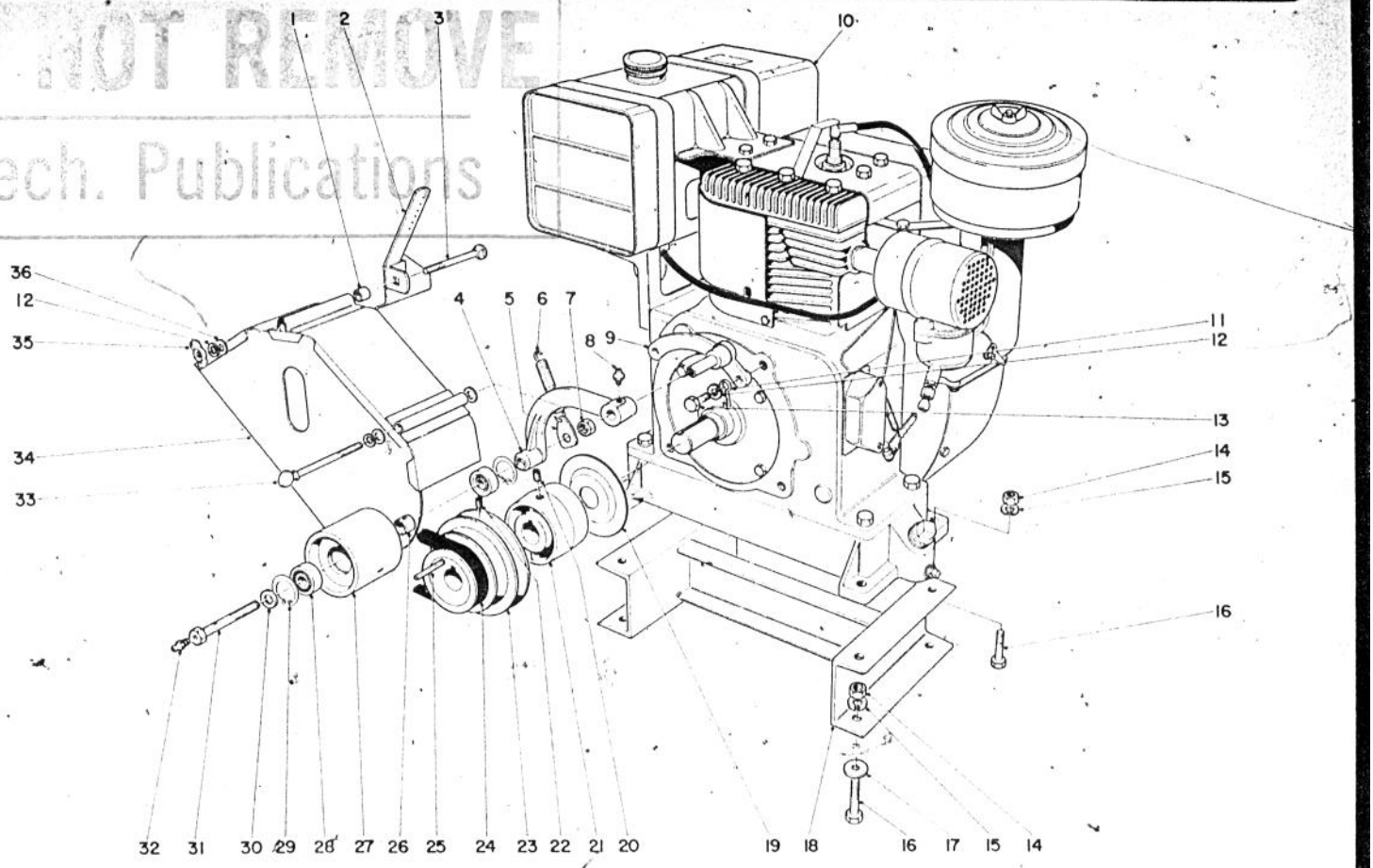
TORO

MODEL NOS. 25232, 25233 – 40001 THRU 20001 AND UP (FORWARD DRIVE)
MODEL NOS. 25312, 25313 – 40001 THRU 20001 AND UP (FWD./REV. DRIVE)

PARTS CATALOG

3½ HP WHIRLWIND

DO NOT REMOVE
Tech. Publications



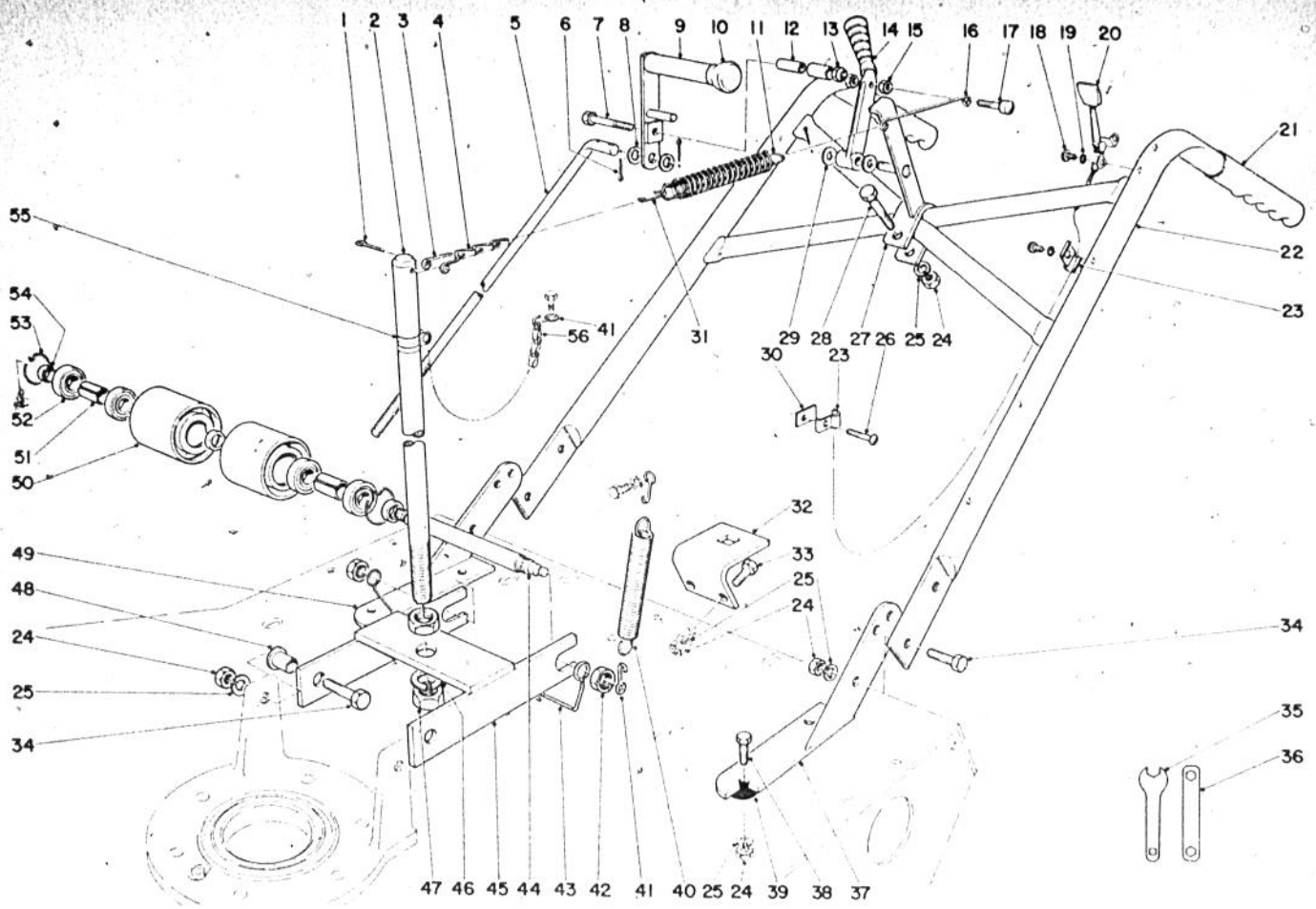
ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	5-0811	Spacer (Model 25233)	1
2	5-0810	Guard Bracket	1
3	3230-14	Carriage Bolt (Model 25233)	1
*	3230-13	Carriage Bolt (Model 25313)	1
4	5-0938	Idler Pulley Arm	1
5	5-0700	Anchor	1
6	5-0696	Idler Spring	1
7	3218-3	Nut	1
8	302-5	Grease Fitting	1
9	3-5619	Idler Bracket	1
10	221-239	Engine	1
11	5-0701	Spring Anchor	1
12	3253-4	Lockwasher	4
13	322-16	Capscrew	2
14	3217-7	Nut	8
15	3253-5	Lockwasher	8
16	323-7	Capscrew	8
17	5-0838	Washer	4
18	5-0926	Engine Base	1
19	5-0933	Collar	1

Ref. No.	Part No.	Description	No. Used
20	3247-3	Set Screw	1
21	5-0928	Belt Pulley	1
22	3246-2	Set Screw	2
23	5-0932	Pulley (2-Groove) (Mod. 25233)	1
*	5-0931	Pulley (3-Groove) (Mod. 25313)	1
24	5-0934	V-Belt (Model 25233)	1
*	271-56	V-Belt (Model 25313)	1
25	5-0930	Key	1
26	5-0941	Spacer	1
27	5-0937	Idler Pulley	1
28	251-109	Bearing	2
29	32120-10	Retaining Ring	2
30	5-0942	Washer	2
31	5-0940	Idler Pulley Shaft	1
32	302-18	Grease Fitting	1
33	3-1845	Wing Bolt	1
34	5-0812	Belt Guard	1
35	32103-2	Wing Nut	1
36	3256-23	Washer	3

*Not Illustrated

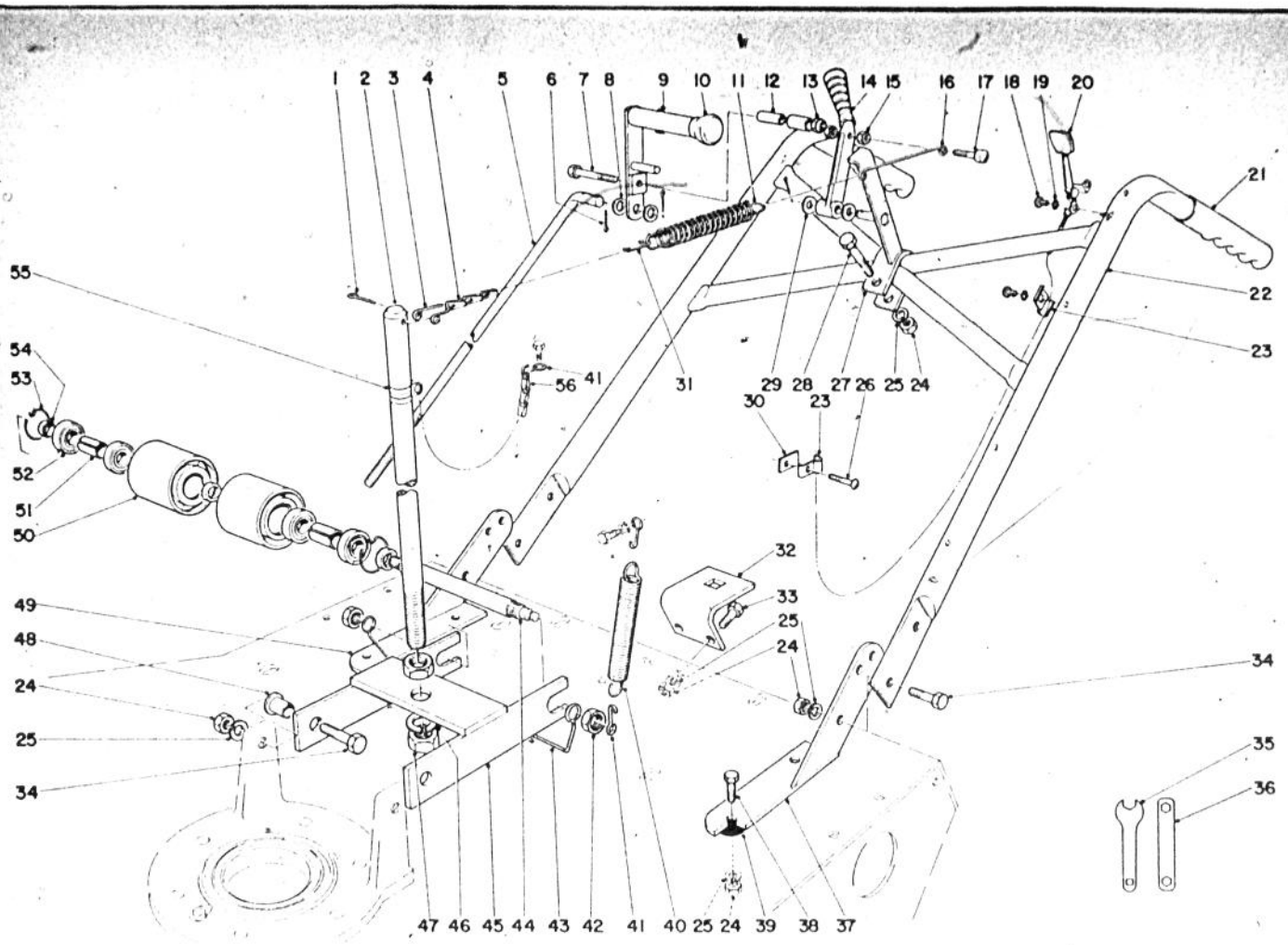
Copyright 1971 By
Toro Manufacturing Corporation
Minneapolis, Minnesota 55420 U.S.A.



HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3272-23	Cotter Pin	1
2	5-0893	Throwout Rod	1
3	5-0905	Clevis	1
4	5-0903	Chain	1
5	5-0813	Shift Rod	1
6	3272-10	Cotter Pin	3
7	3211-12	Capscrew	1
8	3256-25	Washer	2
9	5-0814	Handle	1
10	235-3	Clutch Tip	1
11	3-5699	Drawbar Spring Assy.	1
12	5-0897	Adapter Bushing	1
13	3296-6	Locknut	1
14	5-0896	Throwout Handle	1
15	3218-2	Jam Nut	2
16	5-0902	Spring Hook Extension	1
17	32114-14	Fillister Head Screw	1
18	3251-1	Round Head Machine Screw	5
19	3253-12	Lockwasher	5
20	3-5649	Throttle Control	1
21	3-3864	Handle Grip	2
22	5-0953	Handle	1
23	5-0954	Clamp	4
24	3217-7	Nut	13

Ref. No.	Part No.	Description	No. Used
25	3253-5	Lockwasher	13
26	3250-10	Round Head Machine Screw	1
27	5-0914	Throwout Handle Bracket	1
28	323-10	Capscrew	1
29	3256-24	Washer	2
30	5-0955	Clamp	1
31	5-0904	Hook	1
32	5-0925	Hitch Plate	1
33	323-7	Capscrew	2
34	323-8	Capscrew	6
35	3-3970	Wrench	1
36	3-3980	Wrench	1
37	5-0921	Handle Bracket, L. H.	1
38	323-7	Capscrew	4
39	5-0924	Rubber Disc	4
40	5-0916	Return Spring	1
41	5-0701	Spring Anchor	2
42	3220-6	Jam Nut	2
43	5-0907	Belt Guide	2
44	5-0908	Shaft	1
45	3-5689	Frame (Incl. Ref. No. 48)	1
46	3253-16	Lockwasher	1
47	3219-7	Nut	2

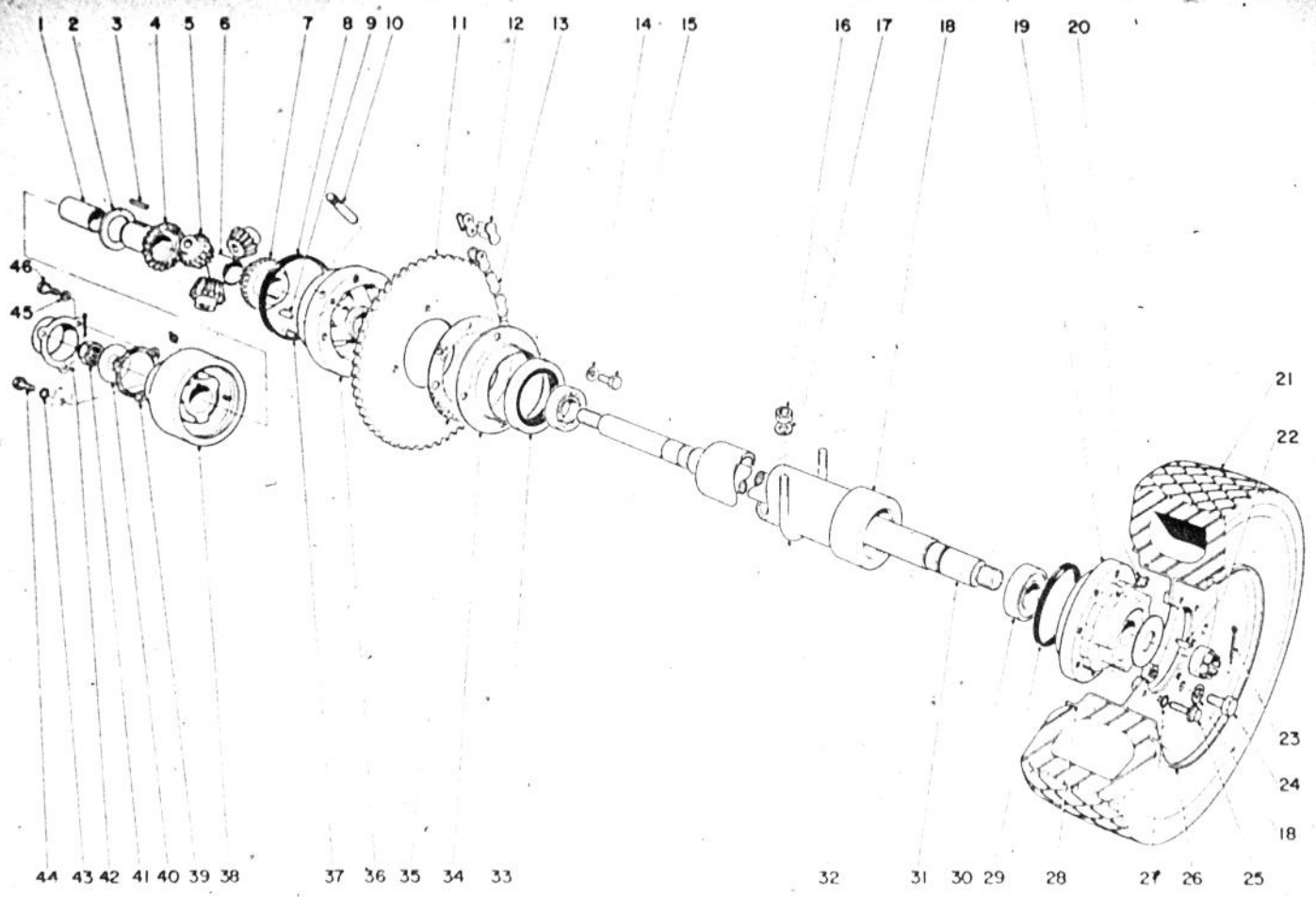


HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	5-0891	Bushing	2
49	5-0922	Handle Bracket, R. H.	1
50	5-0910	Idler Pulley	2
51	5-0912	Spacer	2
52	251-5	Bearing	4
53	5-0913	Snap Ring	2
54	5-0911	Spacer	3

Ref. No.	Part No.	Description	No. Used
55	2412-1	Hose Clamp	1
56	5-0894	Chain	1
*	3-5709	Shaft Assy. (Incl. Ref. No. 42 & 50-54)	1
*	223-7	Socket Wrench (1/4")	1
*	223-8	Socket Wrench (5/16")	1
*	223-2	Socket Wrench (3/8")	1

*Not Illustrated

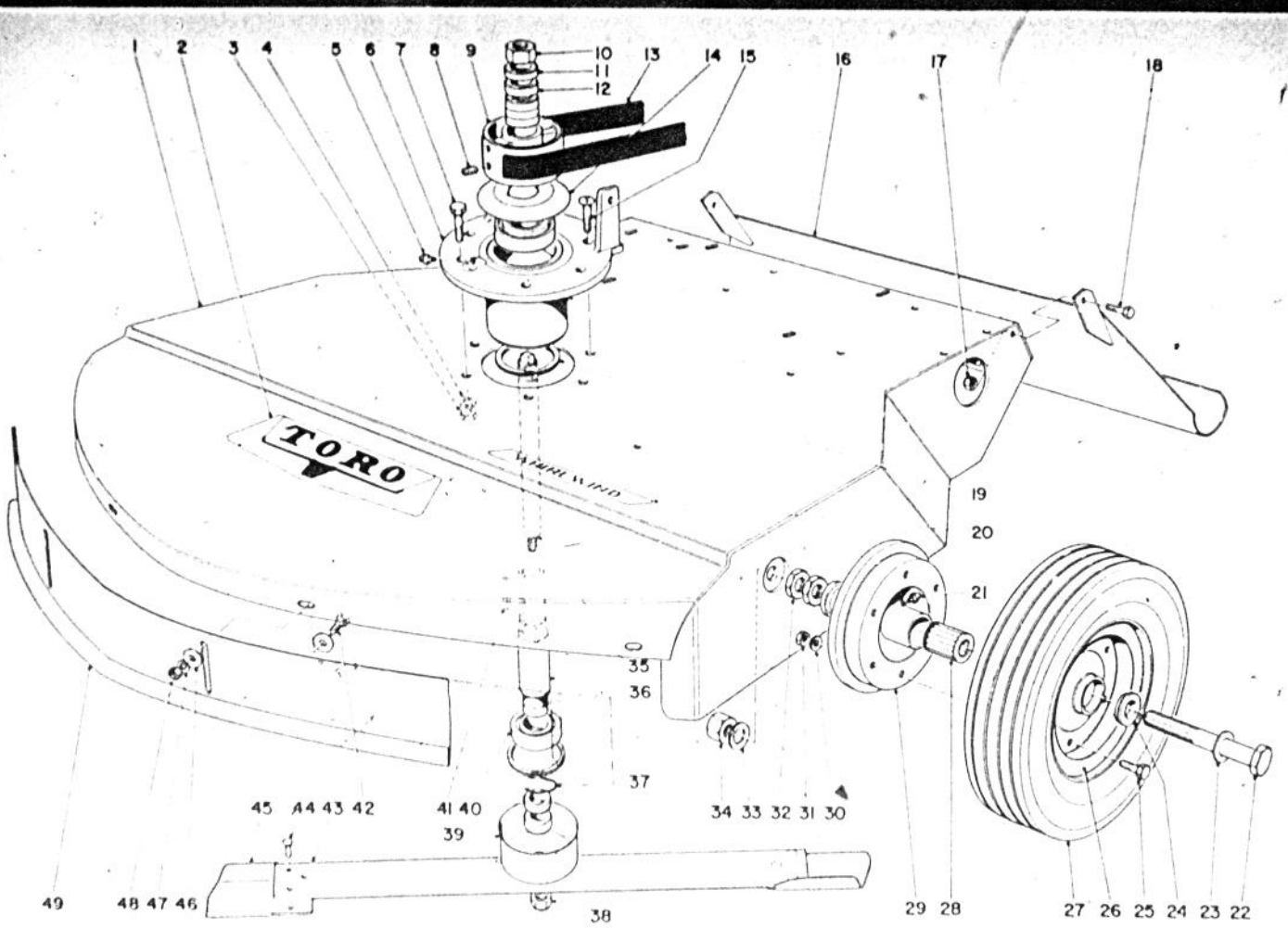


DIFFERENTIAL & AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	5-0945	Bushing	1
2	3-2144	Spacer	1
3	5-0946	Key	1
4	2-0599	Bevel Gear (Incl. Ref. #1)	1
5	5-0831	Pinion Gear	3
6	5-0947	Bushing	1
7	5-0948	Bevel Gear	1
8	237-40	Quad Ring	1
9	3-2805	Key	1
10	5-0832	Pinion Shaft	3
11	5-0951	Diff. Sprkt. (Model #25233)	1
*	5-0950	Diff. Sprkt. (Model #25313)	1
12	2710-26	Connecting Link	1
13	5-0788	Roller Chain (Model #25233)	1
*	5-0872	Roller Chain (Model #25313)	1
14	3254-2	Lockwasher	4
15	322-4	Capscrew	4
16	3217-7	Nut	6
17	3253-5	Lockwasher	6
18	3-2146	Axle Housing	1
19	3-1434	Wheel Hub	1
20	302-5	Grease Fitting	2
21	3-1195	Tire	2
22	3257-23	Key	1

Ref. No.	Part No.	Description	No. Used
23	3272-12	Cotter Pin	2
24	323-4	Capscrew	12
25	321-6	Capscrew	8
26	3-4115	Wheel Disc	2
27	3255-7	Ext. Tooth Lockwasher	8
28	3-1934	Wheel Disc	2
29	237-39	Quad Ring	1
30	251-82	Bearing	2
31	3-2142	Axle Shaft	1
32	5-0952	U-Bolt	3
33	253-87	Oil Seal	1
34	3-1447	Seal Retainer	1
35	3-2545	Gasket	1
36	3-7293	Differential Pinion Carrier	1
37	3245-1	Set Screw	3
38	3-4101	Wheel Hub	1
39	3-1446	Gasket	1
40	3256-19	Washer	2
41	3221-6	Castle Nut	2
42	3-1445	Hub Cap	1
43	3254-8	Lockwasher	8
44	321-4	Capscrew	8
45	3253-3	Lockwasher	3
46	321-2	Capscrew	3

*Not Illustrated

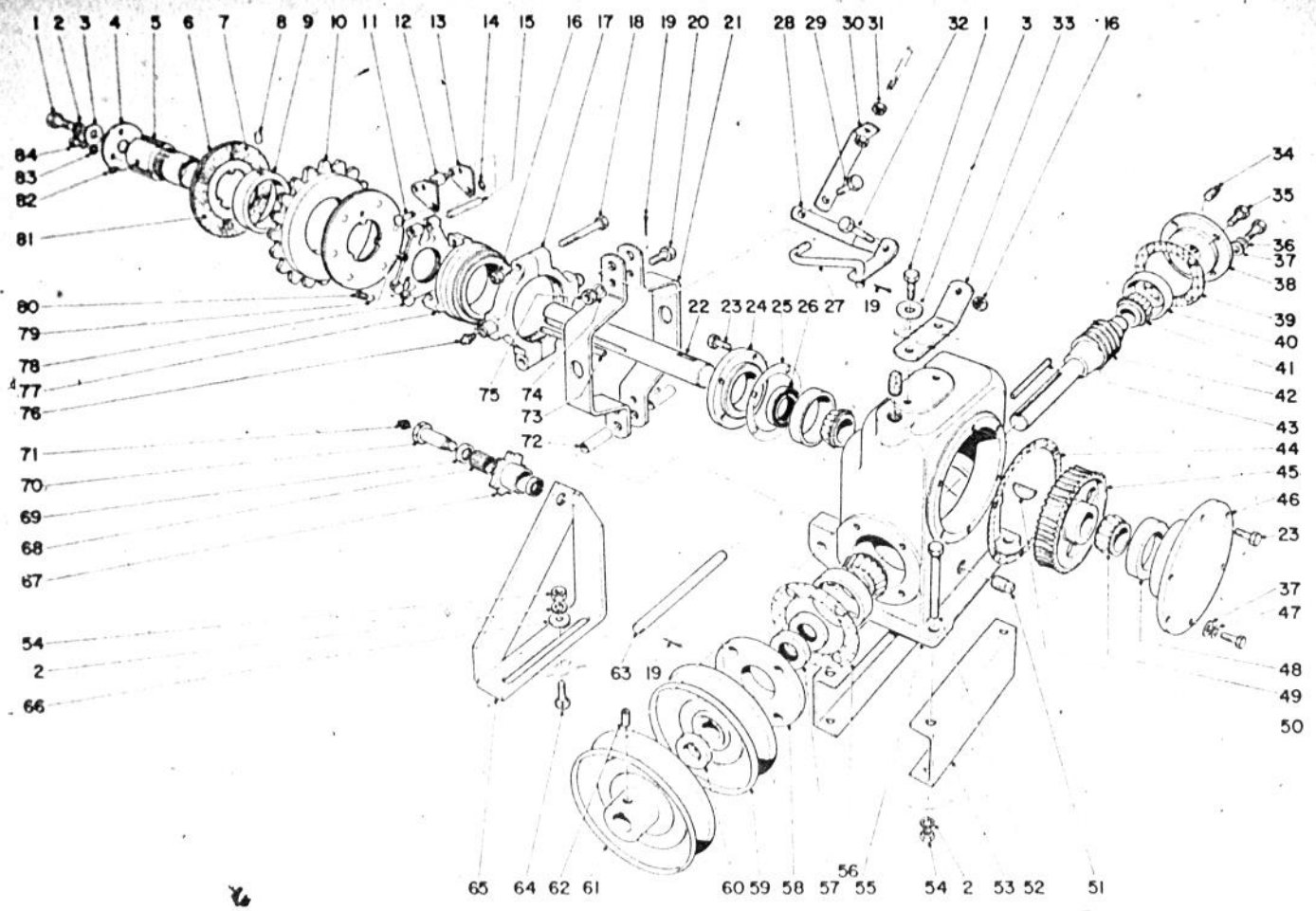


MOWER HOUSING & BLADE SPINDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	5-0917	Mower Housing	1
2	11-3600	Decal	1
3	3217-7	Nut	6
4	3253-5	Lockwasher	6
5	302-5	Grease Fitting	1
6	5-0881	Spihdle Housing	1
7	323-7	Capscrew	4
8	3247-3	Setscrew	2
9	5-0901	Pulley	1
10	3219-8	Nut	1
11	5-0890	Spacer (1/4")	2
12	5-0898	Spacer (1/2")	5
13	5-0906	Flat Belt	1
14	5-0900	Slinger	1
15	32106-6	Round Head Machine Screw	2
16	5-0920	Rear Guard	1
17	3296-4	Locknut	2
18	323-6	Capscrew	2
19	32120-31	Snap Ring	2
20	11-3670	Decal	1
21	302-5	Grease Fitting	2
22	5-0944	Stub Axle	2
23	3256-28	Washer	2
24	252-70	Retainer	4
25	321-2	Capscrew	12
26	241-101	Wheel Disc	2
27	234-4	Tire	2

Ref. No.	Part No.	Description	No. Used
28	252-69	Bearing	2
29	241-100	Wheel Disc	2
30	3253-3	Lockwasher	12
31	3217-5	Nut	12
32	3220-7	Jam Nut	4
33	3253-16	Lockwasher	2
34	3219-7	Nut	2
35	5-0888	Spindle Shaft	1
36	5-0882	Shaft Sleeve	1
37	5-0883	Snap Ring	1
38	5-0887	Spindle Shaft Nut	1
39	5-0886	Cup	1
40	251-81	Bearing	2
41	5-0738	Key	1
42	322-4	Capscrew	4
43	5-1166	Cutter Bar (Incl. Ref. 45-46)	1
44	3264-1	Rivet	6
45	5-3494	Blade	2
46	3256-3	Washer	8
47	3253-4	Lockwasher	4
48	3217-6	Nut	4
49	5-0918	Front Guard	1
*	3-5659	Cutter Unit, Complete (Less Pulley & Set Screws)	1
*	5-0885	Blade (Non Suction — Optional)	2
*	5-3143	Front Wheel, Complete	2

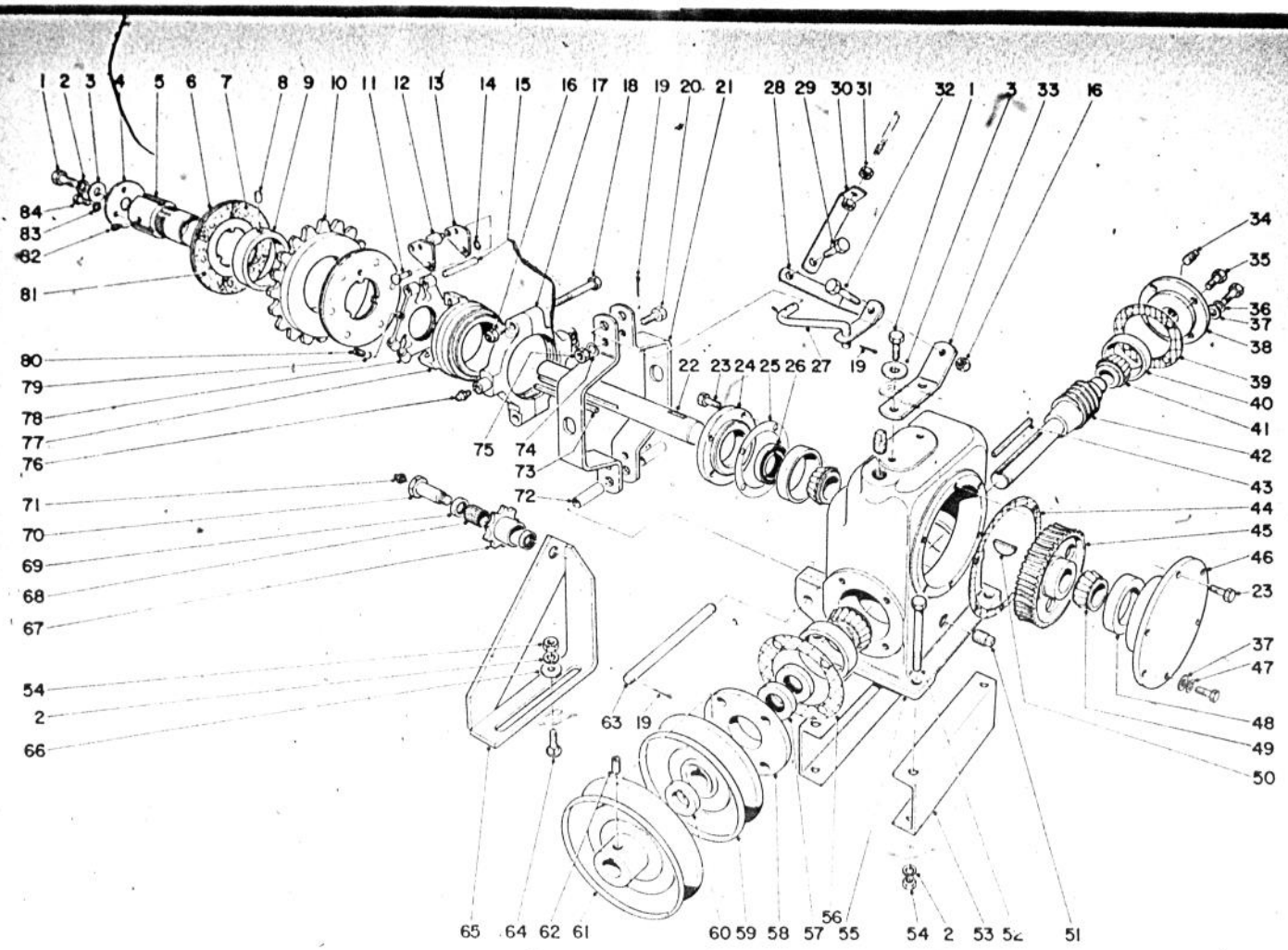
*Not Illustrated



GEAR CASE ASSEMBLY (Forward Drive Only)

Ref. No.	Part No.	Description	No. Used
1	323-4	Capscrew	3
2	3253-5	Lockwasher	7
3	3256-4	Washer	3
4	352-165	Washer	1
5	352-156	Body	1
6	352-151	Plate Assy. (Incl. Ref. Nos. 7 & 81)	2
7	3295-12	Rivet	12
8	352-160	Pin	1
9	352-159	Bushing	1
10	5-0787	Sprocket	1
11	352-183	Pin	3
12	352-147	Roller	3
13	352-146	Lever	6
14	352-163	Snap Ring	3
15	352-148	Lever Pin	3
16	3296-4	Locknut	3
17	352-143	Trunnion Sleeve	2
18	3210-9	Capscrew	2
19	3272-10	Cotter Pin	7
20	322-6	Capscrew	2
21	5-0784	Side Bar	2
22	5-0802	Shaft Output	1
23	321-4	Capscrew	10

Ref. No.	Part No.	Description	No. Used
24	5-0800	Bearing Cap	1
25	5-0801	Gasket	1
26	253-33	Oil Seal	1
27	5-0785	Clutch Link	1
28	5-0807	Clutch Link	1
29	323-6	Capscrew	1
30	5-0808	Clutch Link	1
31	3217-8	Nut	2
32	323-8	Capscrew	1
33	5-0806	Fulcrum	1
34	281-7	Pipe Plug	1
35	322-3	Capscrew	8
36	3256-23	Washer	4
37	5-0815	Lead Washer	5
38	5-0790	Bearing Cap	1
39	5-0792	Gasket, .030 Thick	2
40	254-19	Bearing Cup	2
41	254-37	Bearing Cone	2
42	5-0793	Worm Shaft	1
43	5-0794	Key	1
44	5-0804	Gasket	3
45	5-0803	Worm Gear	1
46	5-0805	Bearing Cap	1
47	3256-22	Washer	1

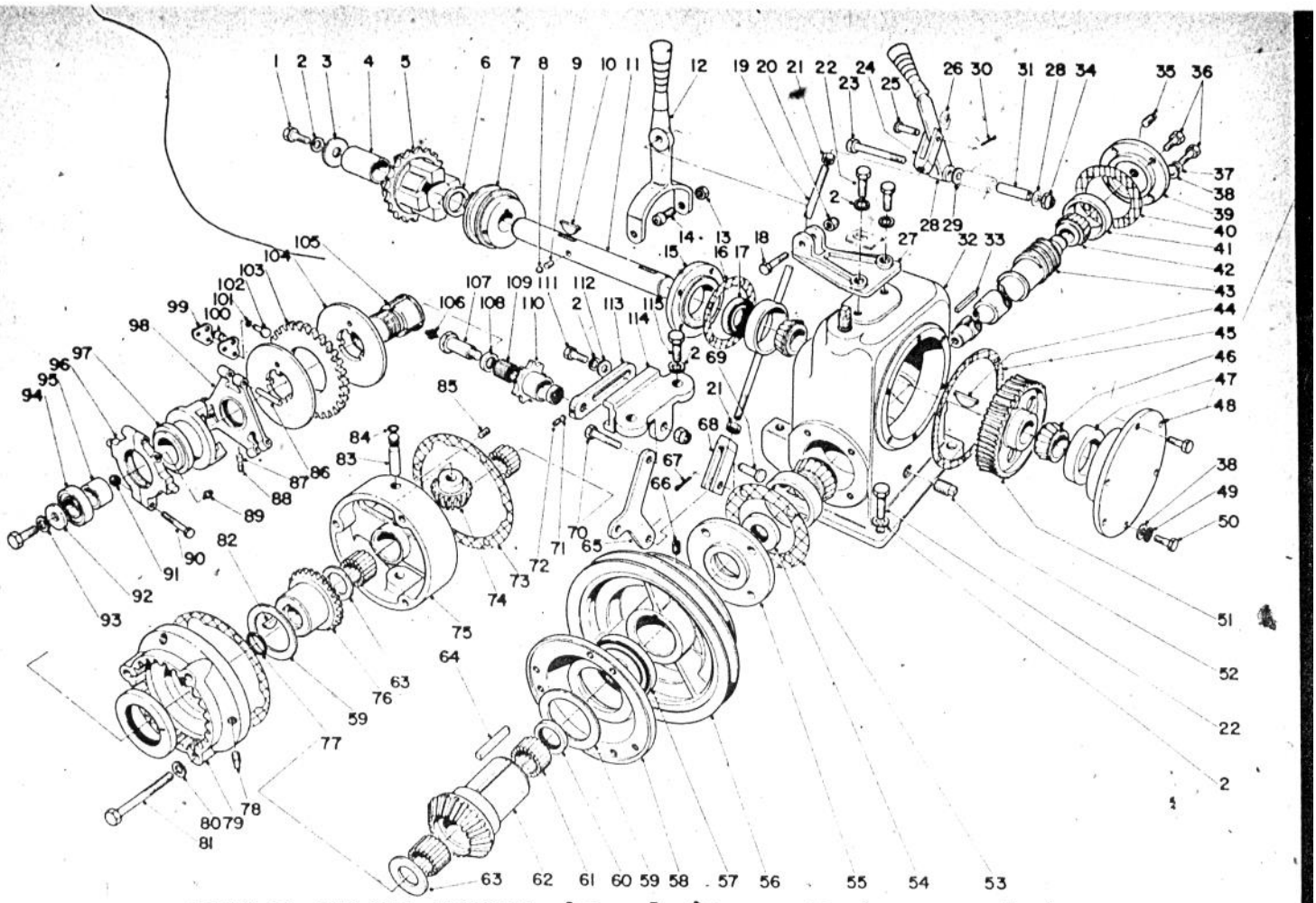


GEAR CASE ASSEMBLY (Forward Drive Only) (Continued)

Ref. No.	Part No.	Description	No. Used
48	254-38	Bearing Cup	2
49	254-39	Bearing Cone	2
50	3257-22	Key	1
51	281-2	Pipe Plug	2
52	323-20	Capscrew	4
53	5-0781	Reducer Base	2
54	3217-7	Nut	6
55	5-0780	Housing	1
56	5-0791	Gasket, .007 Thick	4
57	253-34	Oil Seal	2
58	5-0795	Bearing Cap	1
59	5-0796	Pulley	1
60	5-0797	Spacer	1
61	5-0798	Pulley	1
62	3246-2	Set Screw	2
63	5-0783	Fulcrum Pin	1
64	3231-2	Carriage Bolt	2
65	5-0782	Bracket	1
66	3256-3	Washer	2
67	2-3589	Sprocket	1
68	252-16	Bearing	1
69	253-64	Oil Seal	2

Ref. No.	Part No.	Description	No. Used
70	3-3958	Stud	1
71	302-2	Grease Fitting	1
72	3-6704	Spacer Split	2
73	5-0786	Key	1
74	3253-4	Lockwasher	2
75	3217-6	Nut	2
76	302-22	Grease Fitting	1
77	352-188	Release Sleeve	1
78	352-144	Adjusting Plate Assy. (Incl. Ref. Nos. 11-15 & 78-80)	1
79	352-150	Lock Plug	1
80	32130-2	Set Screw	1
81	352-155	Facing	2
82	3287-9	Set Screw	1
83	3253-3	Lockwasher	3
84	329-3	Capscrew	3
*	5-3613	Release Bearing Assy. (Incl. Ref. Nos. 16-18 & 76)	1
*	3-5719	Speed Reducer Assy.	1
*	352-132	Clutch Assy. (Incl. Ref. Nos. 5-18 & 76-82)	1

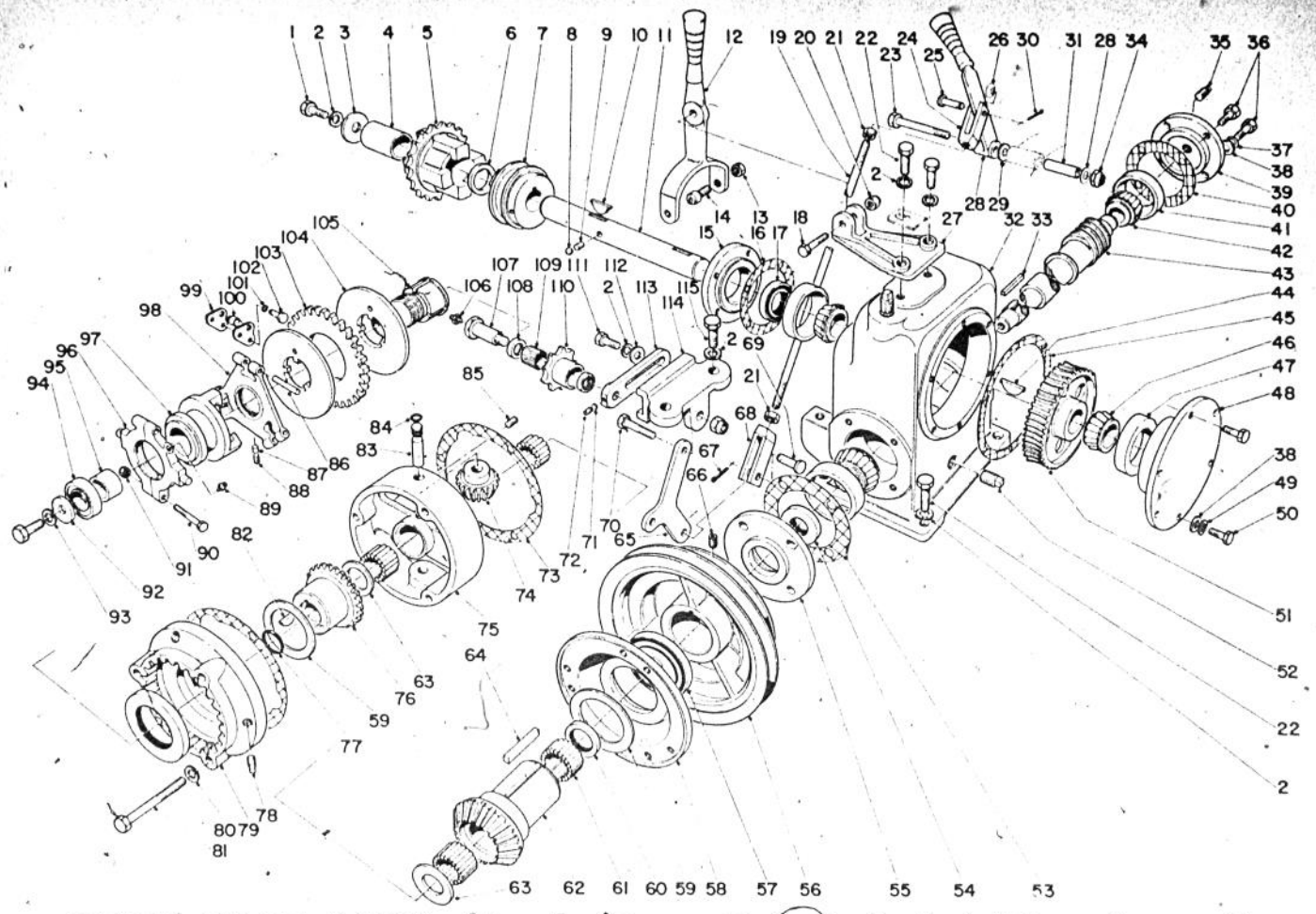
*Not Illustrated



GEAR CASE ASSY. (Fwd./Rev. Drive Only)

Ref. No.	Part No.	Description	No. Used
1	323-5	Capscrew	1
2	3253-5	Lockwasher	10
3	5-0816	Washer	1
4	256-47	Bushing	1
5	5-0817	Sprocket Output	1
6	5-0818	Thrust Washer	1
7	5-0820	Sliding Hub	1
8	255-1	Steel Ball	1
9	224-15	Spring	1
10	3257-19	Key	1
11	5-0822	Output Shaft	1
12	5-0876	Shift Lever	1
13	3218-2	Jam Nut	2
14	5-2492	Socket Head Capscrew	2
15	5-0800	Bearing Cap	1
16	5-0801	Gasket	1
17	253-33	Oil Seal	1
18	322-7	Capscrew	1
19	5-0873	Rod	1
20	3296-29	Locknut	1
21	3220-3	Jam Nut	2
22	323-7	Capscrew	4
23	3211-13	Capscrew	1
24	282-1	Yoke	1

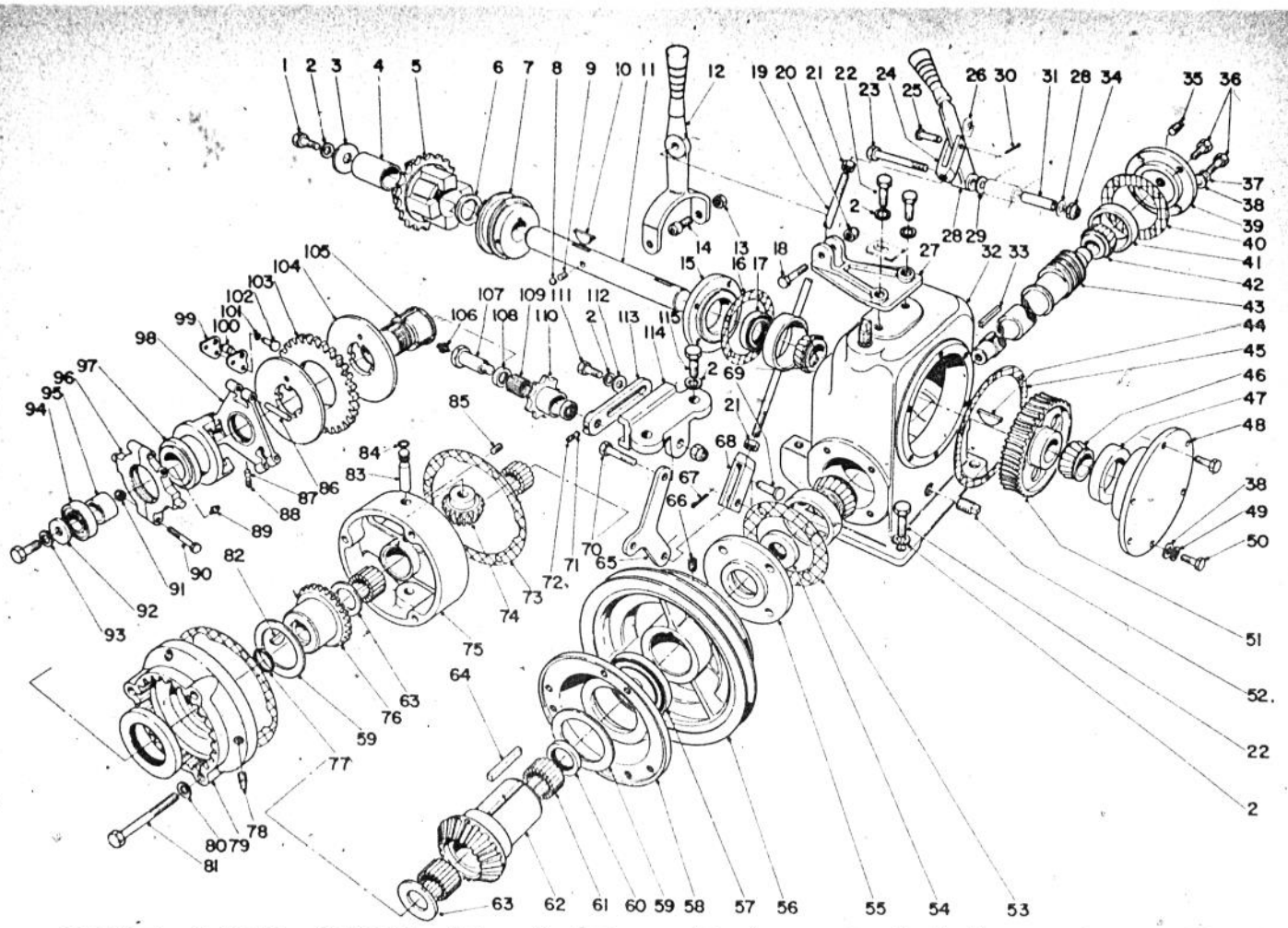
Ref. No.	Part No.	Description	No. Used
25	283-2	Yoke Pin	1
26	3290-212	Spring Washer	1
27	5-0877	Bracket Shift	1
28	5-0875	Reverse Lever	1
29	3256-24	Washer	2
30	3272-10	Cotter Pin	1
31	5-0897	Bushing	1
32	5-0821	Housing	1
33	3-9668	Key	1
34	3296-5	Locknut	1
35	281-7	Pipe Plug	1
36	322-3	Capscrew	8
37	3256-23	Washer	4
38	5-0815	Sealing Washer	5
39	5-0824	Bearing Cap	1
40	5-0791	Gasket	1-4
41	254-16	Bearing Cup	2
42	254-15	Bearing Cone	2
43	5-0825	Worm Shaft	1
44	3-2806	Key	1
45	5-0804	Gasket	1-4
46	254-39	Bearing Cone	2
47	254-38	Bearing Cup	2
48	5-0805	Bearing Cap	1



GEAR CASE ASSY. (Fwd./Rev. Drive Only) (Continued)

Ref. No.	Part No.	Description	No. Used
49	3256-22	Washer	1
50	321-4	Capscrew	10
51	5-0823	Worm Gear	1
52	281-2	Pipe Plug	2
53	5-0792	Gasket	1-3
54	253-57	Oil Seal	1
55	5-0826	Bearing Cap	1
56	5-0827	Pulley	1
57	253-58	Oil Seal	2
58	5-0828	Cover Reverse	1
59	256-44	Thrust Washer	2
60	253-59	Oil Seal	1
61	252-45	Needle Bearing	4
62	5-0830	Bevel Gear Long Hub	1
63	256-45	Thrust Washer	2
64	5-0698	Key	1
65	5-0866	Crank	1
66	3245-9	Set Screw	2
67	3272-6	Cotter Pin	1
68	5-0865	Rod Yoke	1
69	283-1	Yoke Pin	1
70	322-7	Capscrew	1
71	5-0868	Plug	1
72	32133-24	Set Screw	1

Ref. No.	Part No.	Description	No. Used
73	5-0833	Gasket	1-5
74	5-0831	Pinion	2
75	5-0834	Reverse Gear Housing	1
76	5-0835	Bevel Gear Short Hub	1
77	237-20	"O" Ring	1
78	281-1	Pipe Plug	2
79	5-0836	Clutch Housing	1
80	3253-4	Lockwasher	3
81	322-22	Capscrew	3
82	3257-5	Key	1
83	5-0832	Pinion Shaft	2
84	237-7	"O" Ring	2
85	3245-7	Set Screw	2
86	352-175	Adjusting Spider Pin	3
87	352-181	Lock Plug	1
88	352-180	Adjusting Lock Screw	1
89	302-5	Grease Fitting	1
90	352-185	Special Screw	2
91	3296-27	Nut	2
92	5-0838	Washer	1
93	3253-5	Lockwasher	1
94	251-5	Bearing	1
95	5-0837	Clutch Spacer	1
96	352-179	Release Bearing	1

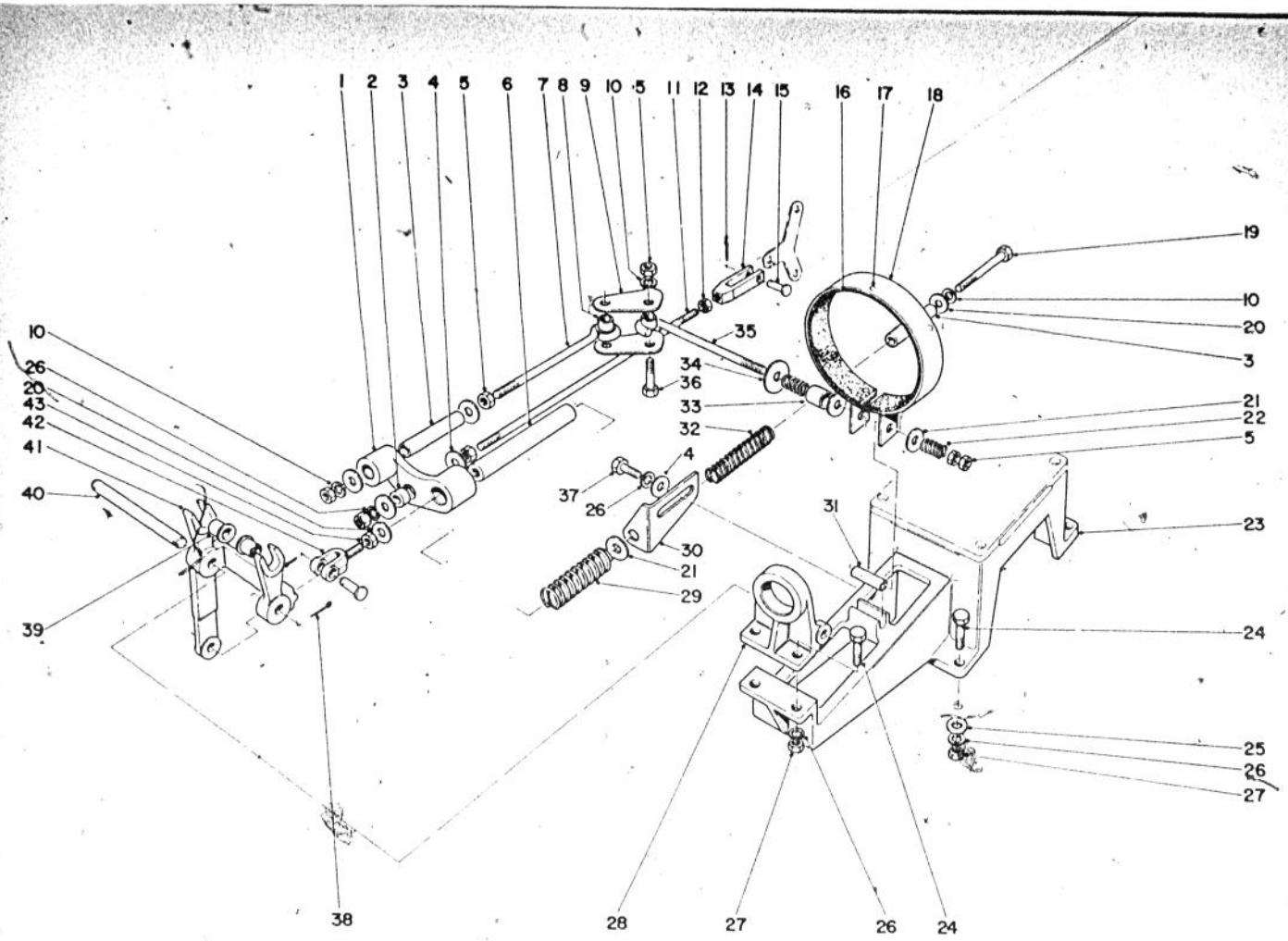


GEAR CASE ASSY. (Fwd./Rev. Drive Only) (Continued)

Ref. No.	Part No.	Description	No. Used
97	352-177	Release Sleeve	1
98	352-182	Adjusting Spider	1
99	352-174	Clutch Lever	6
100	352-173	Roller	3
101	352-183	Retaining Ring	3
102	352-184	Link Pin	3
103	352-186	Clutch Facing	1
104	352-177	Clutch Plate	2
105	352-170	Clutch Body	1
106	302-2	Grease Fitting	1
107	3-3958	Stud Chain Tightener	1
108	253-64	Oil Seal	2
109	252-16	Bearing	1
110	2-3589	Sprocket Idler	1

Ref. No.	Part No.	Description	No. Used
111	323-4	Capscrew	2
112	3256-24	Washer	2
113	5-0867	Bracket Idler	1
114	5-0870	Crank Bracket	1
115	323-5	Capscrew	2
*	2-3629	Chain Idler & Crank Bracket Assy. (Incl. Ref. Nos. 71-72,106-110 & 113)	1
*	3-5629	Speed Reducer Assy.	1
*	352-178	Release Bearing Assy. (Incl. Ref. Nos. 88-90 & 95)	1
*	352-169	Lever Assy.	1
*	352-187	Clutch Assy. (Incl. Ref. Nos. 85-90 & 95-104)	1

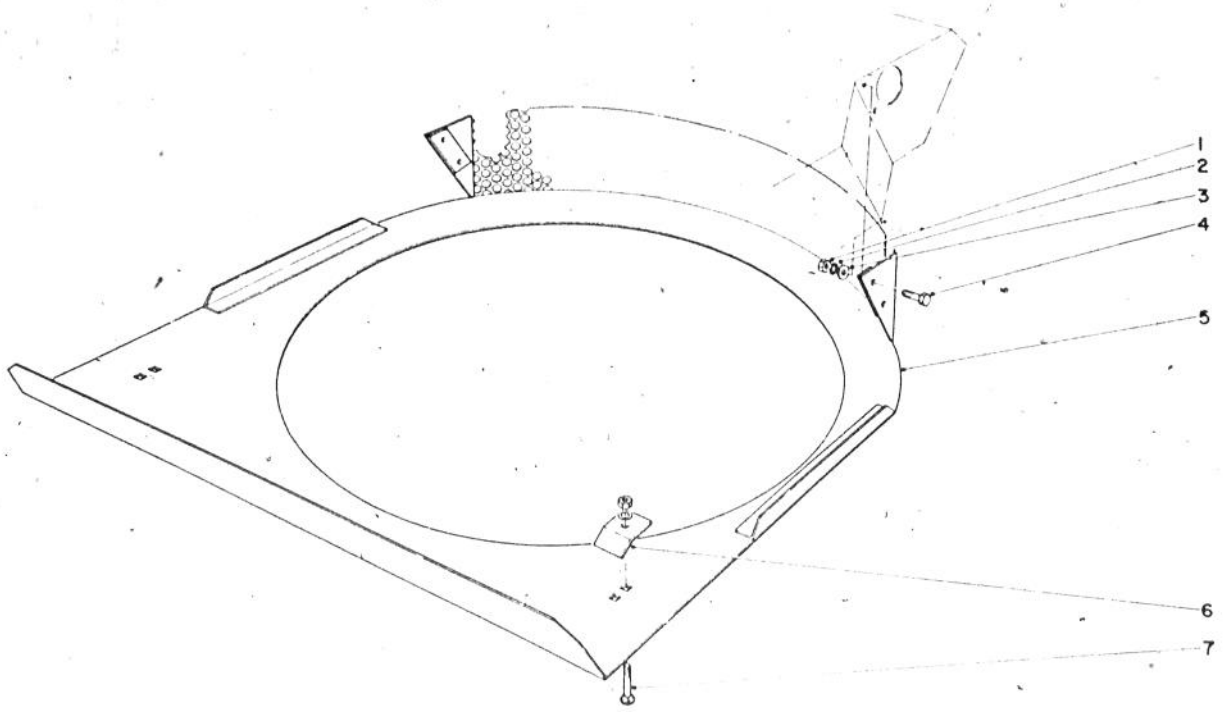
*Not Illustrated



REVERSE BRAKE ASSY. (Fwd./Rev. Drive Only)

Ref. No.	Part No.	Description	No. Used
1	5-0854	Rod End	1
2	5-0863	Spacer	1
3	5-0855	Spacer	2
4	3256-24	Washer	3
5	3219-2	Nut	5
6	5-0856	Spacer, Clutch Spring	2
7	5-0858	Eye Bolt, Reverse Cam	1
8	5-0861	Bushing	2
9	5-0860	Reverse Cam	2
10	3253-4	Lockwasher	3
11	5-0864	Stud	1
12	3219-3	Nut	3
13	3272-6	Cotter Pin	2
14	5-0865	Rod Yoke	1
15	283-1	Yoke Pin	2
16	5-0842	Brake Lining	1
17	3295-6	Rivet Lining	9
18	3-5679	Reverse Brake Band (Incl. Ref. Nos. (16-17)	1
19	3210-13	Capscrew	1
20	3256-23	Washer	2
21	3256-3	Washer	5

Ref. No.	Part No.	Description	No. Used
22	5-0844	Spring	2
23	5-0841	Reducer Base	1
24	323-7	Capscrew	6
25	3256-4	Washer	4
26	3253-5	Lockwasher	8
27	3217-7	Nut	6
28	5-0840	Bearing Block	1
29	5-0857	Spring	1
30	5-0862	Bracket Clutch Bar	1
31	5-0846	Spacer	1
32	5-0254	Spring	1
33	5-0853	Bushing	1
34	5-1350	Washer	1
35	5-0847	Hook	1
36	3210-5	Capscrew	2
37	323-4	Capscrew	1
38	3272-10	Cotter Pin	2
39	5-0848	Bushing	2
40	5-0851	Clevis Pin	1
41	5-0850	Clevis	1
42	5-0852	Yoke	1
43	3220-2	Jam Nut	1



LEAF MULCHER KIT (Model 4-8989)

Ref. No.	Part No.	Description	No. Used
1	3217-6	Nut	6
2	3253-4	Lockwasher	6
3	3256-2	Washer	4
4	322-4	Capscrew	4
5	5-3235	Leaf Mulcher	1
6	5-0915	Clip	2
7	3230-4	Carriage Bolt	2