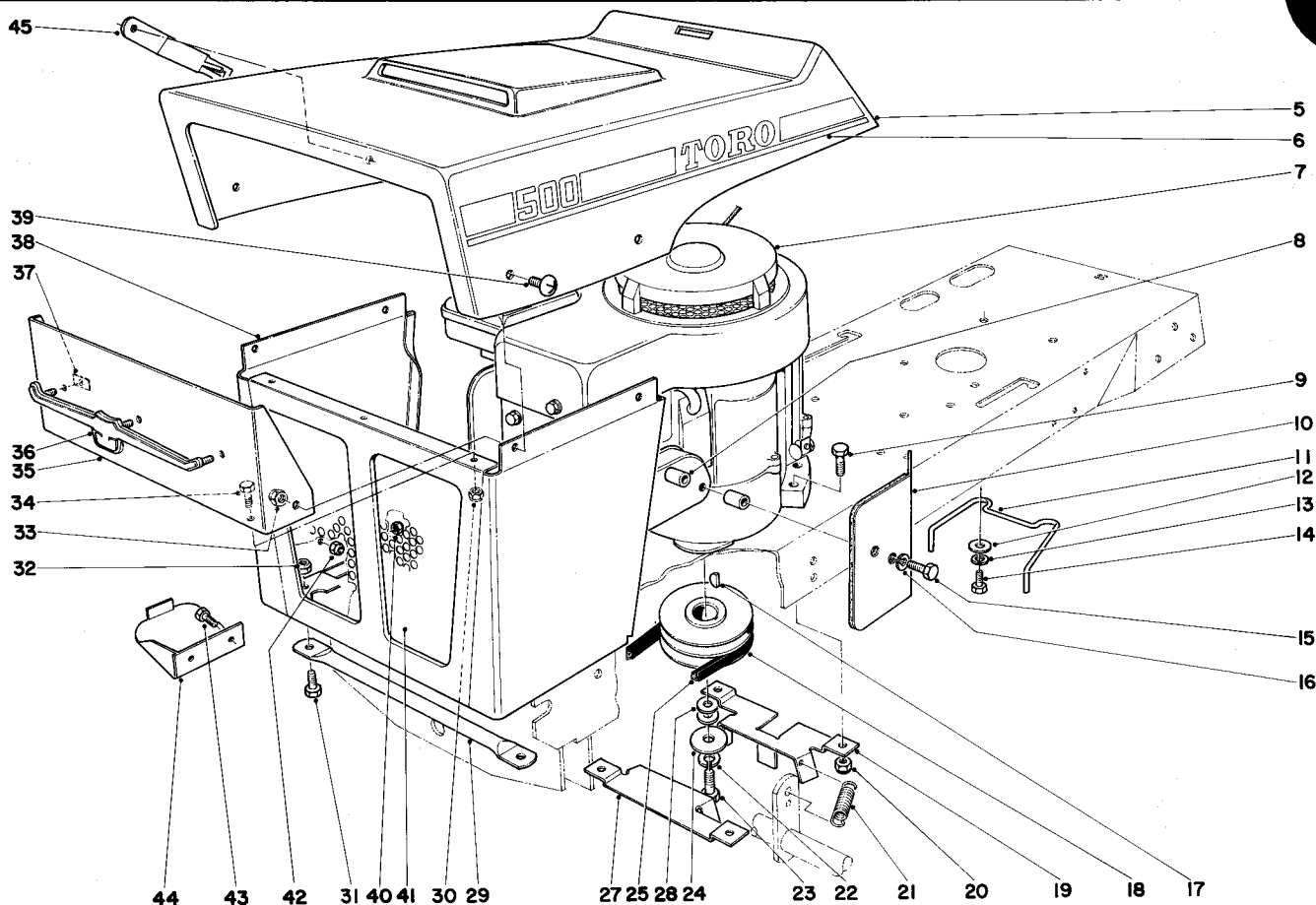


TORO

MODEL 57054-000001 & UP (RECOIL) 500
MODEL 57060-000001 & UP (ELECTRIC) 550

1970
**PARTS
CATALOG**

5 H.P. LAWN TRACTOR (Recoil & Electric)

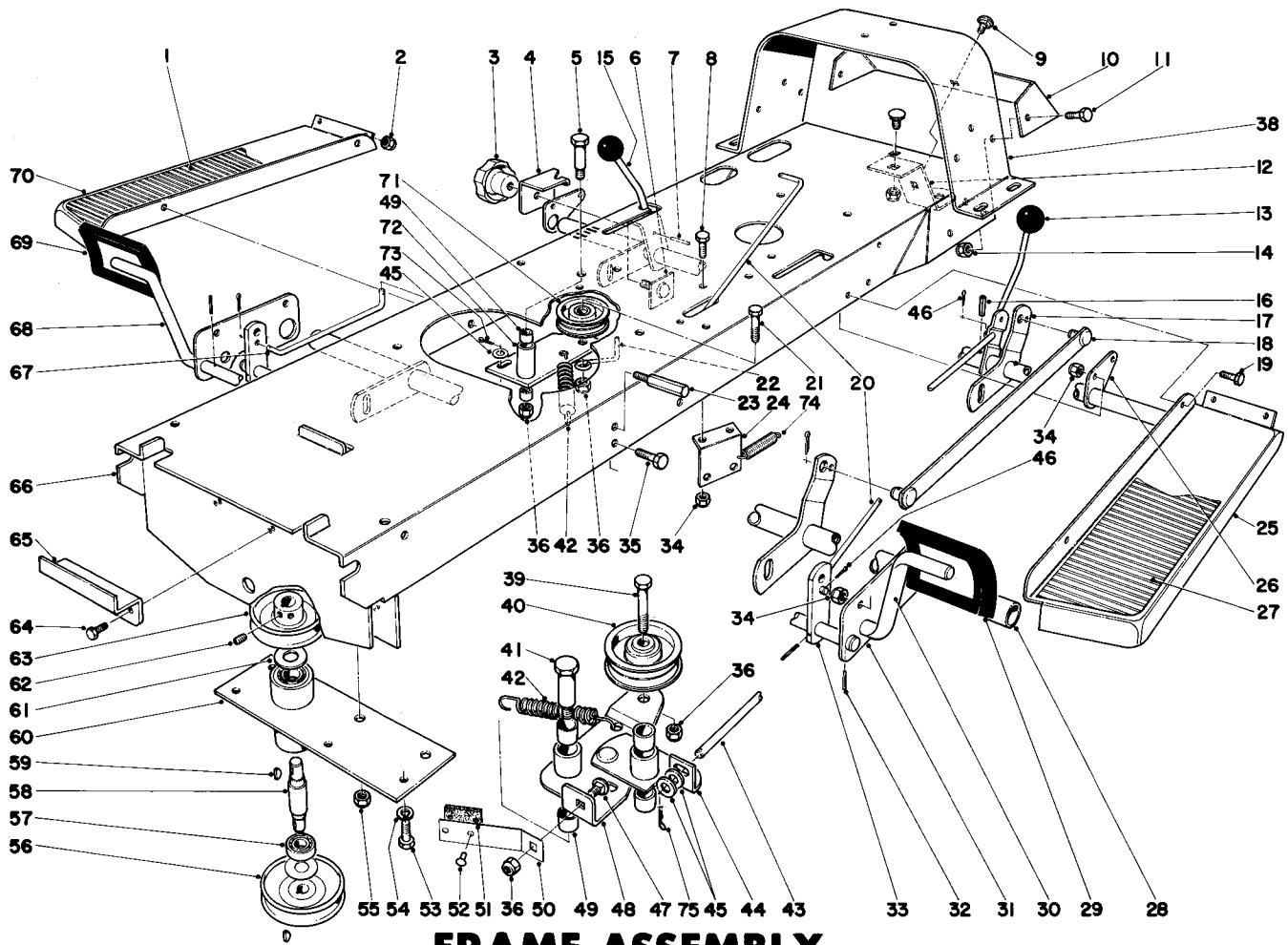


HOOD AND ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
5	7-4980	Hood	1
6	7-6410	Decal Hood L.H. (Recoil)	1
*	7-6400	Decal Hood R.H. (Recoil)	1
*	7-6420	Decal Hood R.H. (Elec.)	1
*	7-6430	Decal Hood L.H. (Elec.)	1
7	221-296	Engine (Recoil)	1
*	221-343	Engine (Electric)	1
8	7-0746	Spacer	2
9	322-7	Capscrew	4
10	7-4216	Baffle Assembly	1
11	7-4310	Belt Retainer	1
12	3256-23	Washer	2
13	3253-24	Lockwasher	2
14	322-5	Capscrew	2
15	321-23	Capscrew	2
16	3253-3	Lockwasher	2
17	3257-3	Key Woodruff	1
18	7-3748	Pulley Engine	1
19	7-5050	Belt Guide	1
20	32152-1S	Nut	4
21	7-3970	Spring Tension	2
22	3253-21	Lockwasher	1
23	3211-5	Capscrew	1

Ref. No.	Part No.	Description	No. Used
24	3256-36	Flat Washer	1
25	7-3887	Belt Engine to Front Pulley	1
27	7-3766	Belt Guide	1
28	3256-3	Washer	2
29	7-3682	Rod Grille Mount	1
30	32152-4S	Nut	3
31	321-2	Capscrew	3
32	32152-4S	Nut	3
33	32152-1S	Nut	4
34	321-2	Capscrew	3
35	7-3451	Panel Grille	1
36	7-3441	Bullshead Grille	1
37	3290-275S	Tinnerman Nut	3
38	7-5170	Grille Assembly (Recoil)	1
*	7-4910	Grille Assembly (Electric)	1
39	3258-158S	Cross Recess Truss Head Screw	4
40	3296-12	Nut	5
41	7-5040	Grille Panel Insert	1
42	32152-4	Nut	2
43	321-2	Capscrew	2
44	7-4510	Trimmer Support	1
45	7-4610	Clip Trimmer	

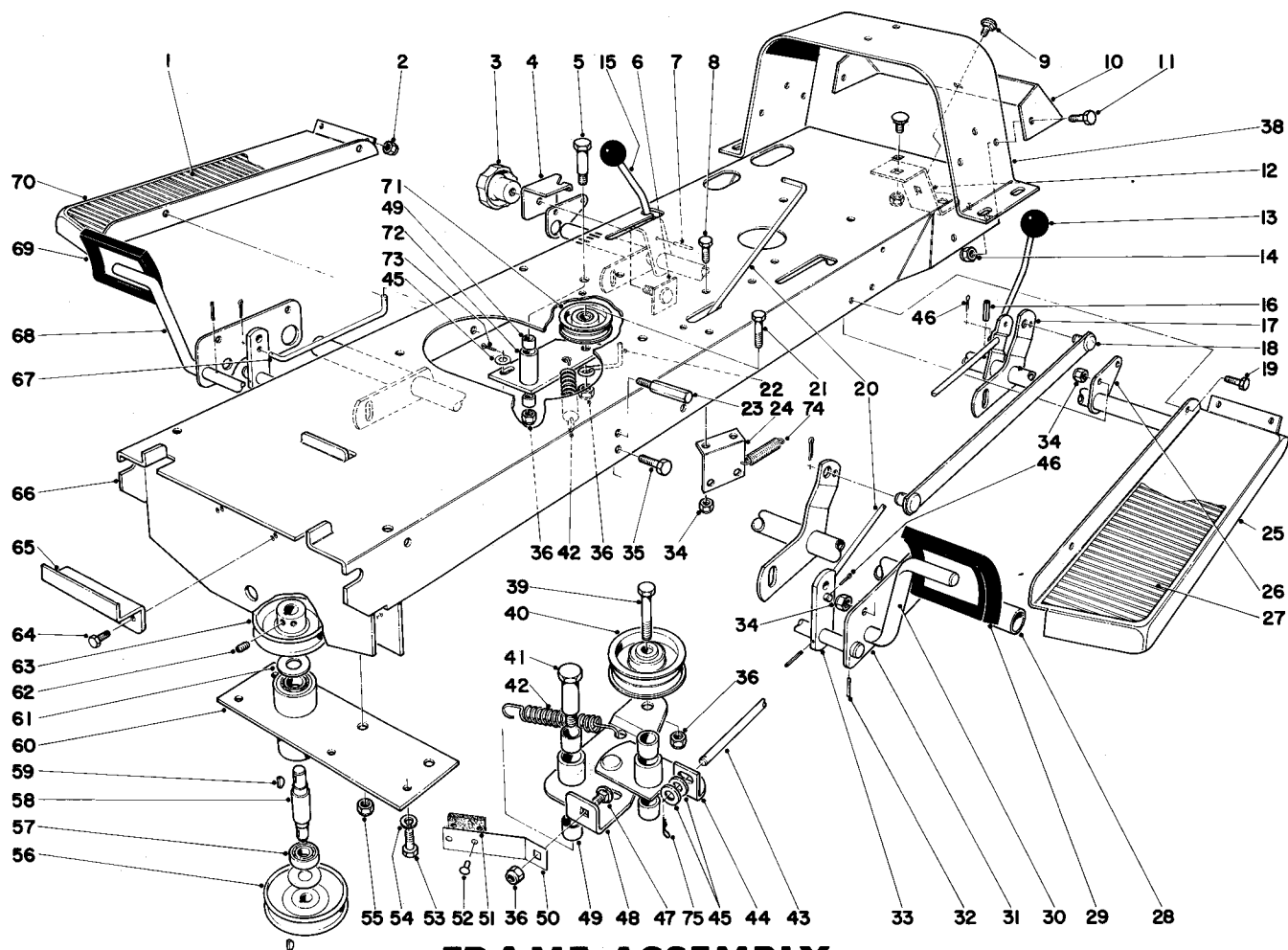
* Not Illustrated



FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7-3894	Foot Pad R. H.	1
2	32149-7	Keps Nut	4
3	7-3902	Knob	1
4	7-3772	Slide Height Adjustment	1
5	7-0731	Shoulder Bolt	1
6	7-3667	Knob Plate Assembly	1
7	32121-51	Roll Pin	1
8	322-2	Capscrew	2
9	3231-21	Carriage Bolt	2
10	7-3790	Frame Member Rear	1
11	323-4	Capscrew	2
12	7-3775	Bracket Hitch	1
13	233-22S	Knob, Control	2
14	32152-2S	Nut	2
15	7-3763	Rod Control Height Adjustment	1
16	32121-51	Roll Pin	1
17	7-3758	Rear Height of Adjustment Tube Assembly	1
18	7-3761	Height Adjustment Link	1
19	322-3	Capscrew	2
20	7-6350	Brake Rod	1
21	323-8	Capscrew	1
22	7-0751	Retainer Belt	1
23	7-3668	Pedal, Stop	2
24	7-3967	Belt Guide	1

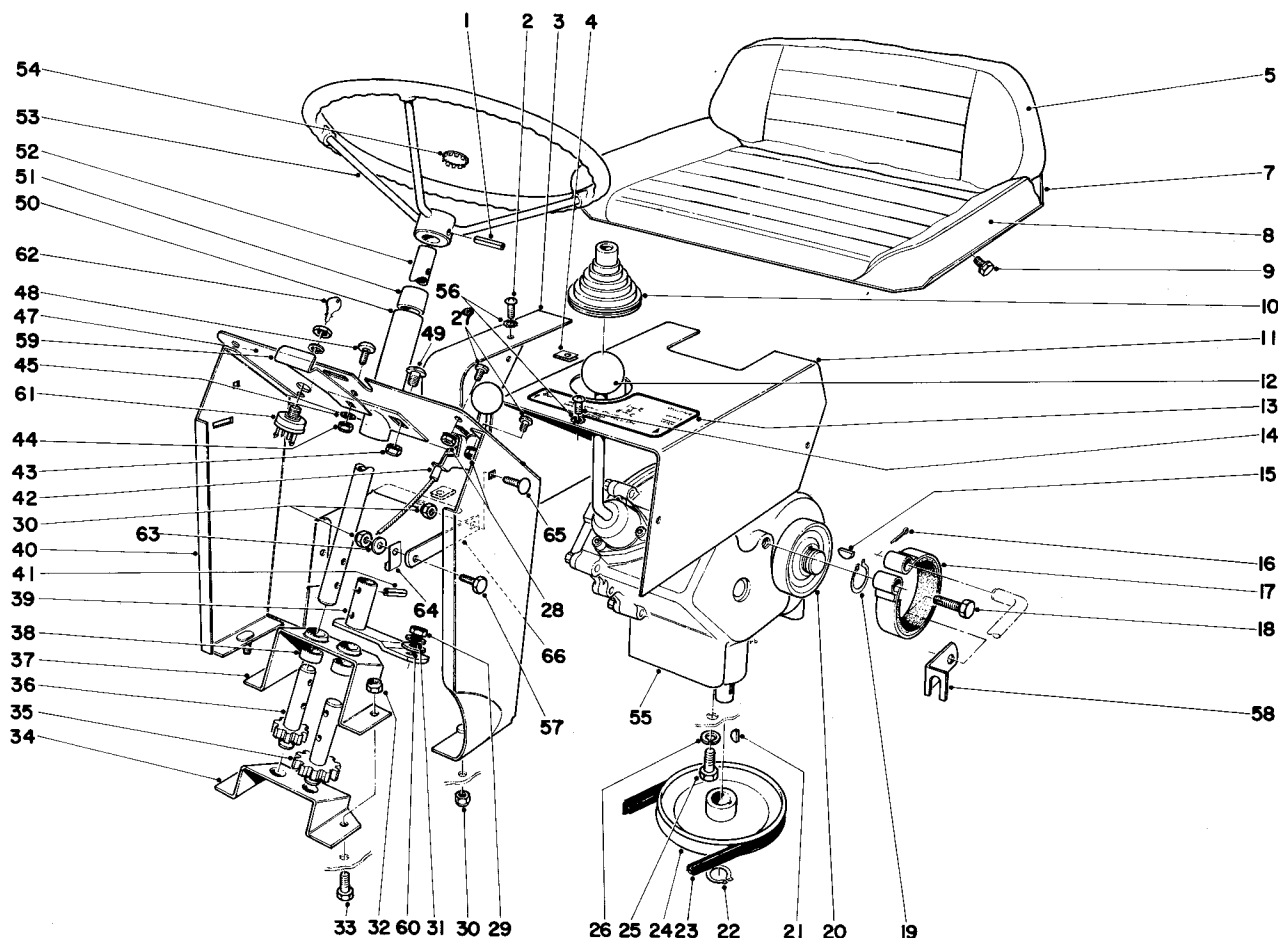
Ref. No.	Part No.	Description	No. Used
25	7-3681	Foot Rest L. H.	1
26	7-3671	Bracket Tube	2
27	7-3895	Foot Pad L. H.	1
28	7-3737	Front Height of Adjustment	1
29	7-3901	Foot Pad Clutch	1
30	7-3688	Clutch Pedal Assembly	1
31	7-3670	Plate Tube	2
32	32121-4S	Roll Pin	6
33	7-3683	Arm Lever	2
34	32152-1S	Nut	2
35	322-3	Capscrew	4
36	32152-2S	Nut	2
38	7-3735	Rear Support	1
39	323-8	Capscrew	1
40	7-0136	Idler Pulley	1
41	7-0731	Shoulder Bolt	2
42	7-3968	Spring Tension	2
43	7-3885	Clutch Rod Blade	1
44	7-3800	Pivot Bracket	1
45	3256-2	Flat Washer	2
46	3272-5	Cotter Pin	1
47	3231-21	Carriage Bolt	1
48	7-3751	Idler Plate	1
49	256-172S	Bushing	6
50	7-3801	Clutch Brake	1



FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
51	7-0643	Brake Lining Blade	1
52	3295-21	Pop Rivet	2
53	322-2	Capscrew	4
54	3253-4	Lockwasher	4
55	32152-2S	Nut	2
56	7-3793	Pulley	1
57	251-5	Bearing	2
58	7-3728	Shaft Pulley	1
59	3257-5	Woodruff Key	2
60	7-3730	Pulley Tube Assembly	1
61	7-0777	Bearing Washer	2
62	3246-2	Set Screw	4
63	7-3796	Pulley	1

Ref. No.	Part No.	Description	No. Used
64	32140-32	Self Tapping Screw	2
65	7-3886	Spring Clip	1
66	7-3750	Frame	1
67	7-3741	Clutch Rod	1
68	7-3690	Brake Pedal Assembly	1
69	7-3900	Foot Pad Brake	1
70	7-3680	Foot Rest R.H.	1
71	7-0136	Pulley Idler	1
72	7-3740	Idler Arm	1
73	3272-6	Cotter Pin	5
74	7-1322	Spring	1
75	3290-307S	Hair Pin Cotter	1

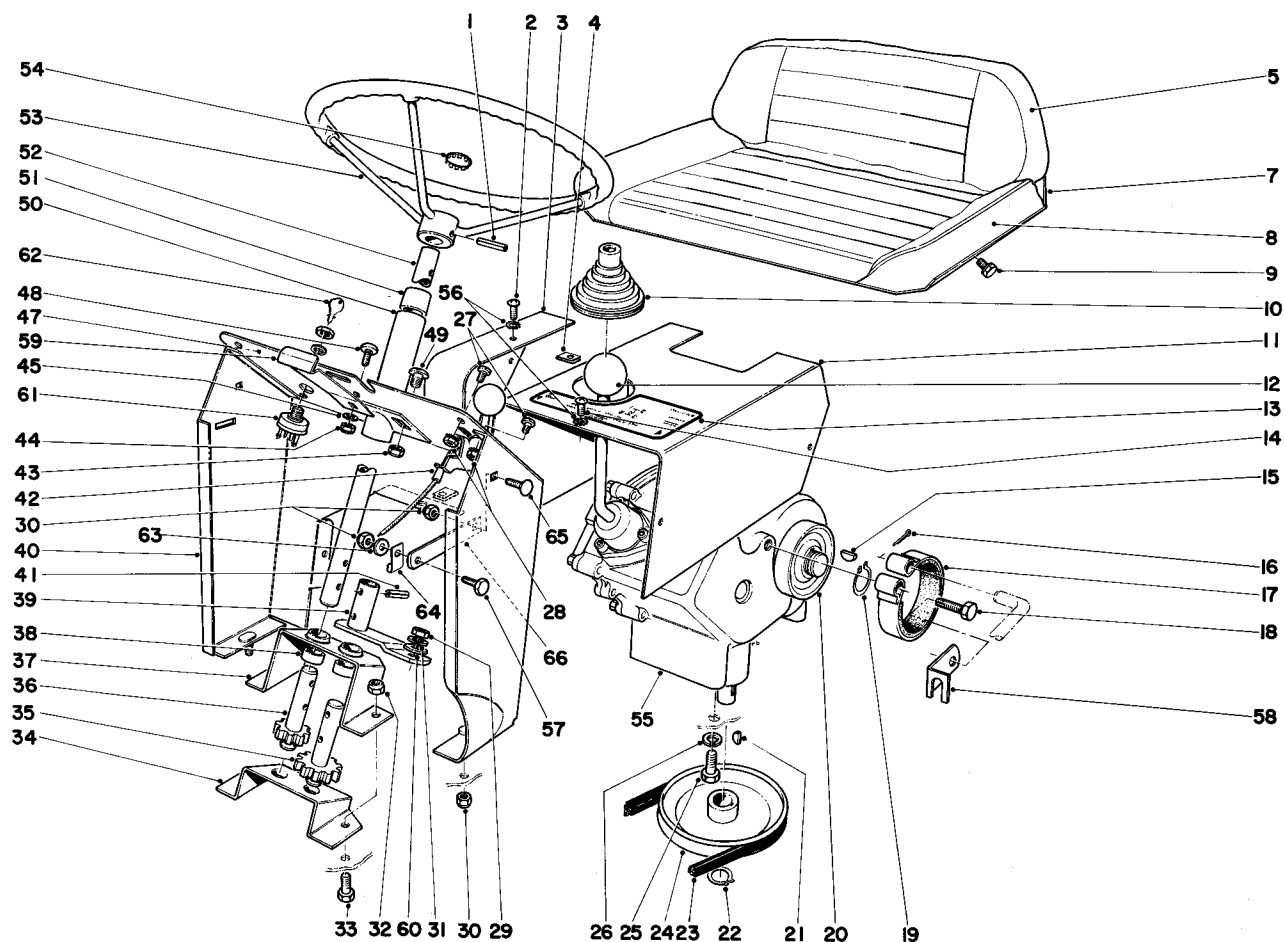


STEERING AND TRANSMISSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32121-15	Roll Pin	1
2	3290-111	Pan Head Screw	2
3	7-3873	Chain Guard	1
4	3290-191	Clip Tinnerman	5
5	7-3351	Cushion Back	1
7	7-3871	Frame Seat	1
8	7-3872	Cushion Seat	1
9	32140-16	Sems Screw	5
10	7-3893	Boot Shift Lever	1
11	7-3784	Transmission Cover	1
12	233-21S	Knob Transmission	1
13	7-5200	Decal Shift Pattern	1
14	3290-111	Pan Head Screw	5
15	3257-32	Key Woodruff	1
16	3272-6	Cotter Pin	1
17	7-6340	Brake Band	1
18	32104-28	Bolt Self Tapping	1
19	32120-72	Retaining Ring	1
20	7-3785	Brake Drum	1
21	3257-32	Key Woodruff	1
22	32120-64	Ring Retaining	1
23	7-3890	Belt Transmission-to-engine	1
24	7-4085	Pulley	1
25	322-2	Capscrew	2

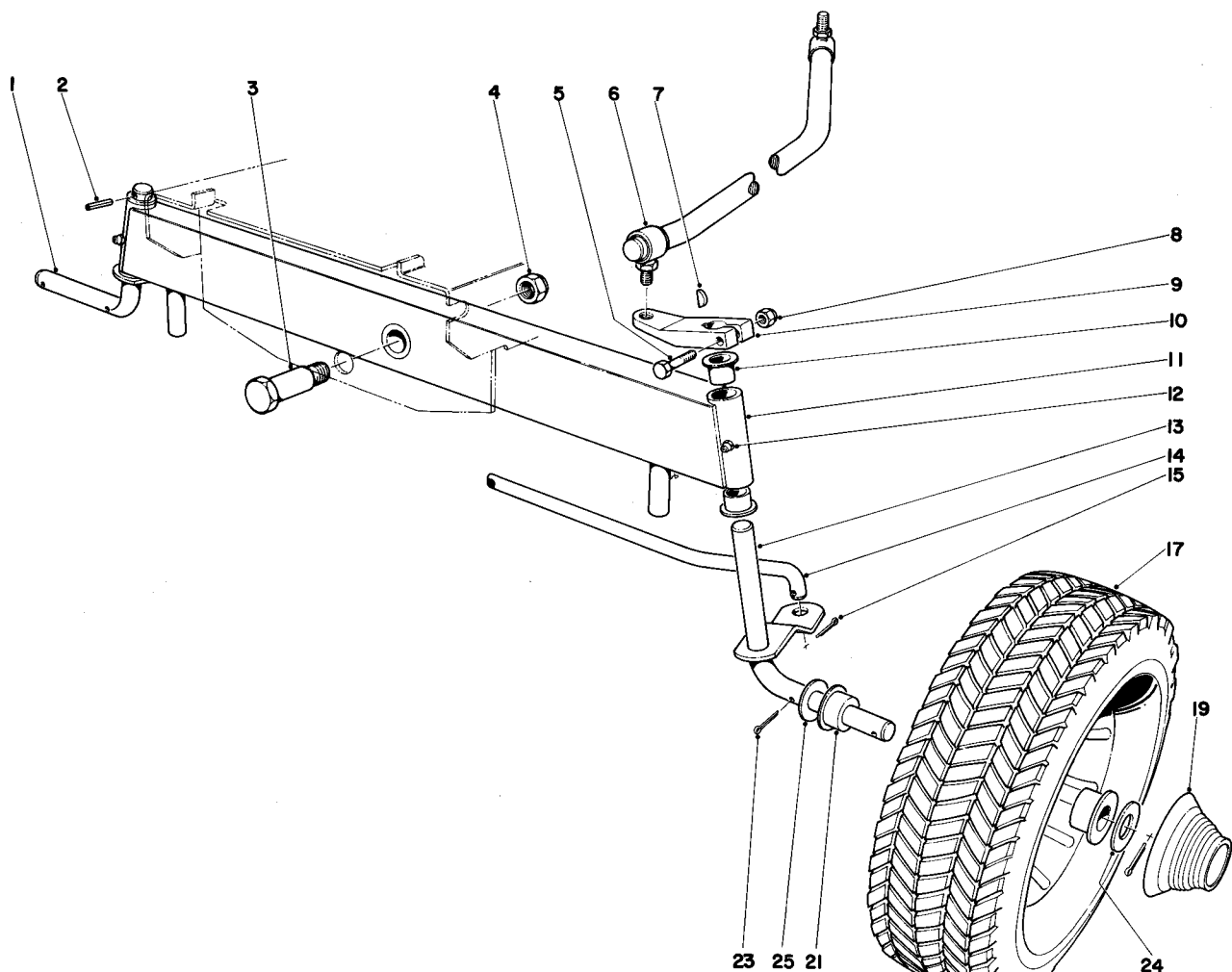
Ref. No.	Part No.	Description	No. Used
26	3253-24	Lockwasher	4
27	3290-305	Machine Screw	6
28	32149-7	Nut	7
29	3219-3	Nut	1
30	32152-4	Nut	4
31	3253-21	Lockwasher	1
32	32152-1	Nut	2
33	322-3	Capscrew	2
34	7-3710	Bracket Steering	1
35	7-3733	Steering Gear Assembly	1
36	7-3734	Pinion Gear Assembly	1
37	7-3711	Support Steering	1
38	7-3747	Spacer	2
39	7-3883	Steering Arm Assembly	1
40	7-4940	Rear Hood Support (Recoil)	1
*	7-4810	Rear Hood Support (Electric)	1
41	32121-4	Roll Pin	4
42	7-3746	Throttle Control	1
43	32152-1S	Nut	2
44	32152-4	Nut	2
45	3256-22	Washer	2
47	7-4880	Decal Control Panel (Recoil)	1
*	7-4860	Decal Control Panel (Electric)	1
48	3229-23	Carriage Bolt	1

* Not Illustrated



STEERING AND TRANSMISSION ASSEMBLY

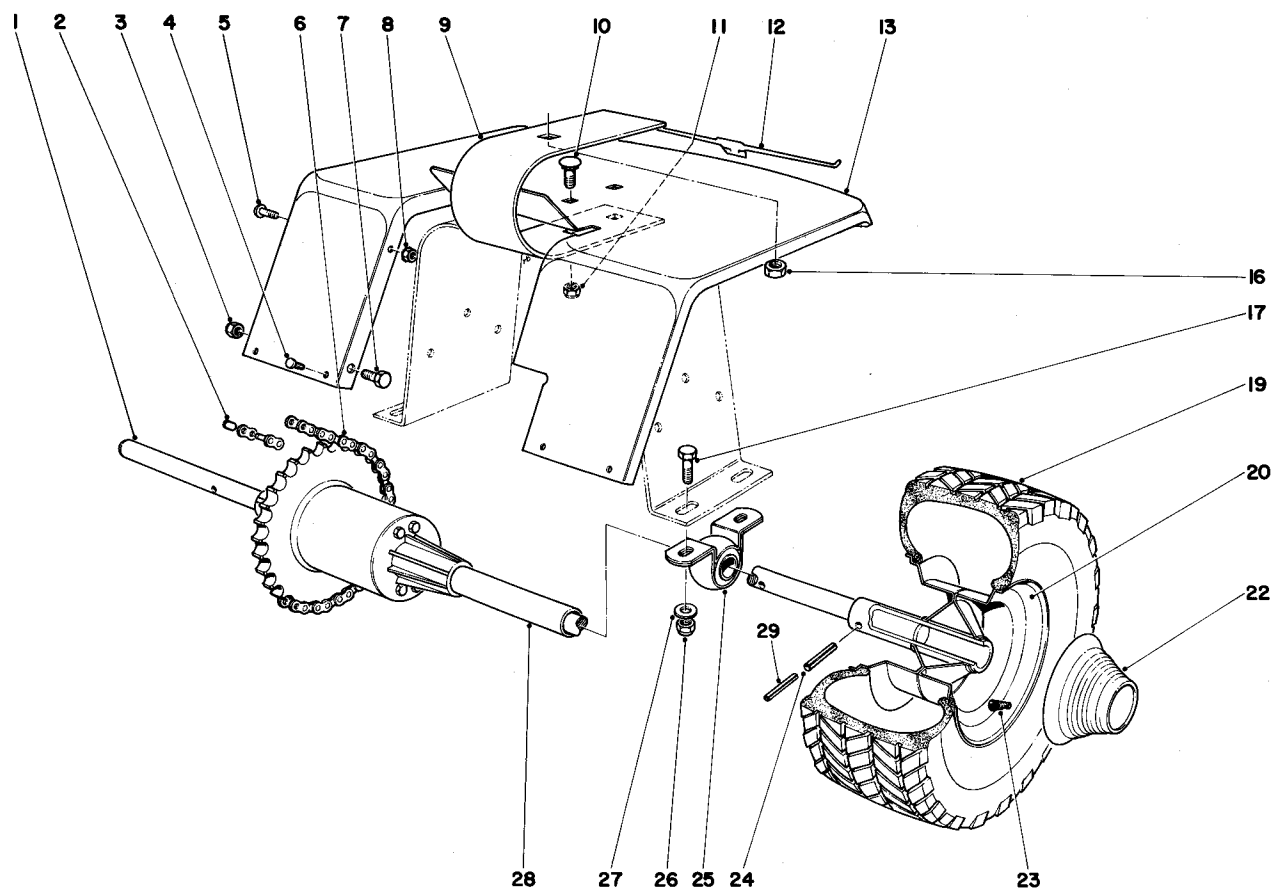
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49	3258-158S	Truss Hd. Screw Recess Hd.	2	58	7-6300	Retainer Brake Rod	1
50	7-3725	Steering Tube Assy. (Incl. Ref. No. 51)	1	59	7-5080	Latch Hood	1
51	256-167	Bushing	1	60	3256-4	Washer	1
52	7-3723	Shaft Steering	1	61	7-5240	Starter Switch	1
53	7-3722	Steering Wheel	1	62	218-412	Ignition Key	1
54	7-3892	Plug	1	63	3256-22	Washer	1
55	7-3708	Transmission	1	64	7-0077	Clip	1
56	3255-17	Lockwasher	5	65	3229-22	Carriage Bolt	1
57	321-2	Capscrew	1	66	7-6710	Hanger Throttle Control	1



FRONT AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7-3718	Spindle R. H.	1
2	32121-50	Roll Pin	1
3	7-3884	Shoulder Bolt	1
4	32152-3S	Nut	1
5	321-9	Capscrew	1
6	7-4760	Steering Rod	1
7	3257-24	Woodruff Key	1
8	32152-4S	Nut	1
9	7-3706	Steering Arm	1
10	256-90	Bushing	4
11	7-3698	Front Axle	1

Ref. No.	Part No.	Description	No. Used
12	302-49	Grease Fitting	2
13	7-3715	Spindle L. H.	1
14	7-3776	Tie Rod	1
15	3272-6	Cotter Pin	2
17	7-4820	Front Wheel Assembly	2
19	7-5150	Hub Cap Front	2
21	256-170S	Bushing	4
23	3272-12	Cotter Pin	4
24	7-5160	Flat Washer	2
25	7-0131	Flat Washer	2

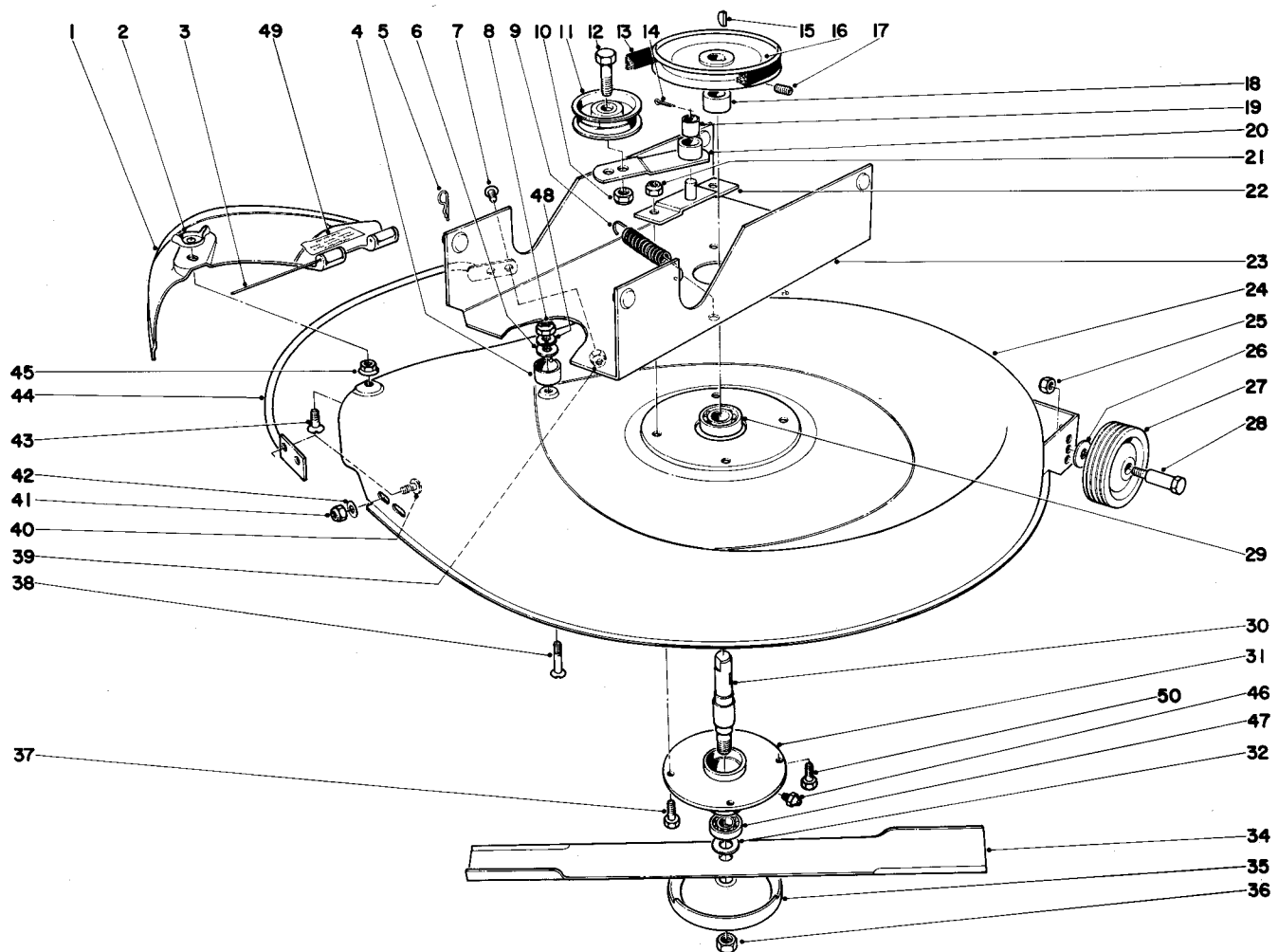


REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7-3692	Differential	1
2	2710-6	Connecting Link	1
3	32152-1S	Nut	2
4	3290-111	Pan Head Screw	4
5	3290-111	Pan Head Screw	2
6	7-3870	Roller Chain	1
7	322-3	Capscrew	2
8	32149-7	Nut	2
9	7-3674	Seat Spring	1
10	3231-2	Carriage Bolt	2
11	32152-2S	Nut	2
12	7-3908	Decal	1
13	7-3745	Fender	1
16	32152-3	Lock Nut	1

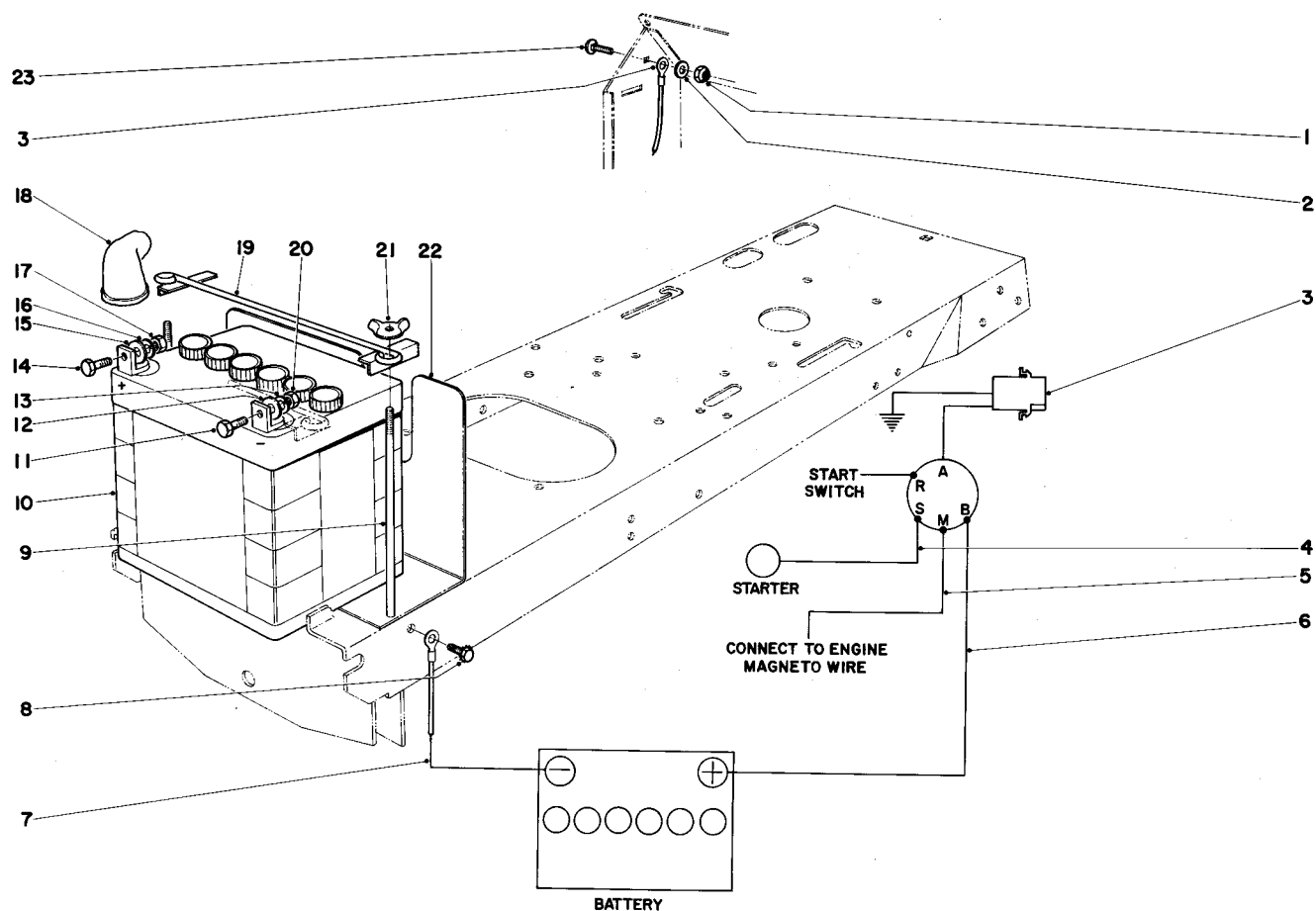
Ref. No.	Part No.	Description	No. Used
17	323-4	Capscrew	4
18	302-5	Grease Fitting	2
*	7-3774	Rear Wheel Assembly	2
19	231-49S	Tire	2
20	217-90	Rim	2
22	7-3933	Hub Cap Rear	2
23	232-27S	Valve Stem & Cap	2
24	32121-9	Roll Pin	2
25	7-3770	Pillow Block	2
26	32152-2S	Nut	4
27	3256-4	Washer	4
28	7-3877	Tube Rear Axle	1
29	32121-51	Roll Pin	2

* Not Illustrated



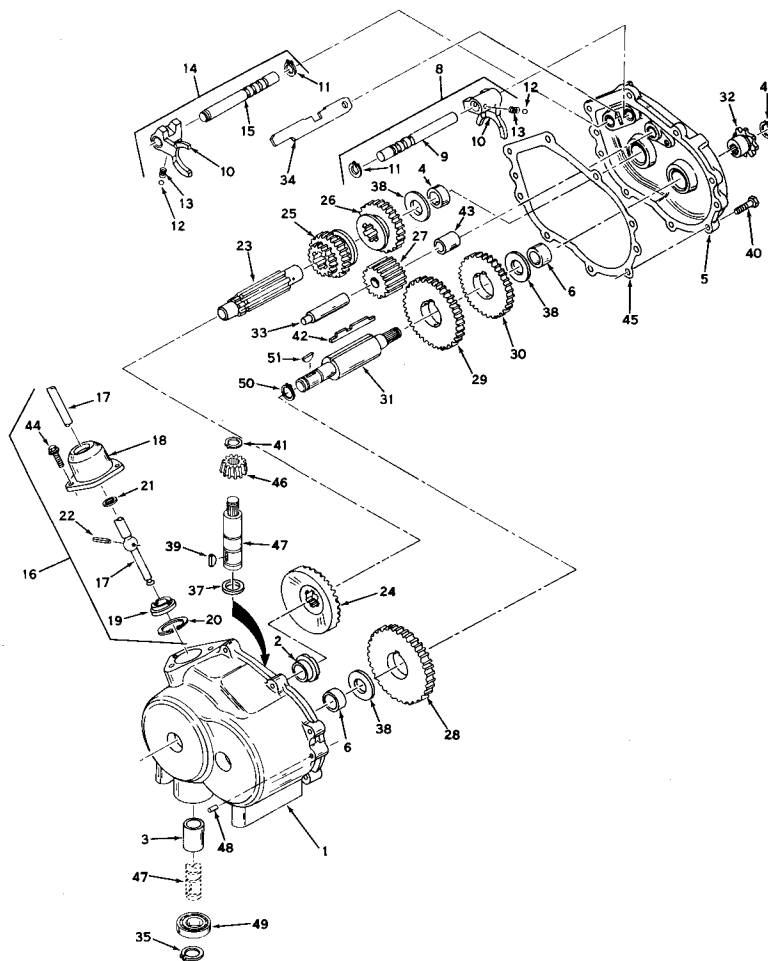
25" MOWER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3-0674	Deflector	1	26	3256-6	Washer	2
2	3-2625	Wing Nut	1	27	7-0261	Wheel	2
3	3-1176	Hinge Pin	1	28	7-0262	Shoulder Bolt	2
4	3-5528	Spacer Deflector	2	29	251-5	Bearing	1
5	3290-250	Hair Pin	4	30	7-3744	Blade Spindle	1
6	3256-2	Washer	2	31	7-0287	Mower Spindle Housing	1
7	32122-33	Truss Head Screw	2	32	7-3590	Washer	1
8	3217-5	Nut	2	34	7-3467	Blade	1
9	7-3984	Spring	1	35	7-3522	Anti Scalp Cup	1
10	32152-2S	Nut	1	36	32152-6S	Nut	1
11	7-0448	Pulley Idler	1	37	322-4	Capscrew	2
12	323-8	Capscrew	1	38	32108-7	Screw Flat Head	2
13	7-3888	Belt Front Pulley to Mower	1	39	32152-1S	Nut	2
14	3272-6	Cotter Pin	1	40	3290-145	Screw Pan Head	2
15	3257-5	Woodruff Key	1	41	32152-4S	Nut	2
16	7-3795	Pulley	1	42	3256-22	Washer	2
17	3246-3	Set Screw	2	43	32108-21	Screw Flat Head	1
18	7-3747	Spacer Blade Spindle	1	44	7-5030	Blade Guard	1
19	256-172S	Bushing	1	45	3290-147	Nut	1
20	7-3768	Idler Plate	1	46	302-5	Grease Fitting	1
21	32152-1S	Nut	4	47	251-123	Bearing	1
22	7-3798	Pivot Bracket	1	48	3253-3	Lockwasher	2
23	7-3697	Channel	1	49	3-7643	Decal	1
24	7-4251	Housing Assembly	1	50	322-3	Capscrew	2
25	32152-2S	Nut	2				



ELECTRICAL DIAGRAM (Electric Start Only)

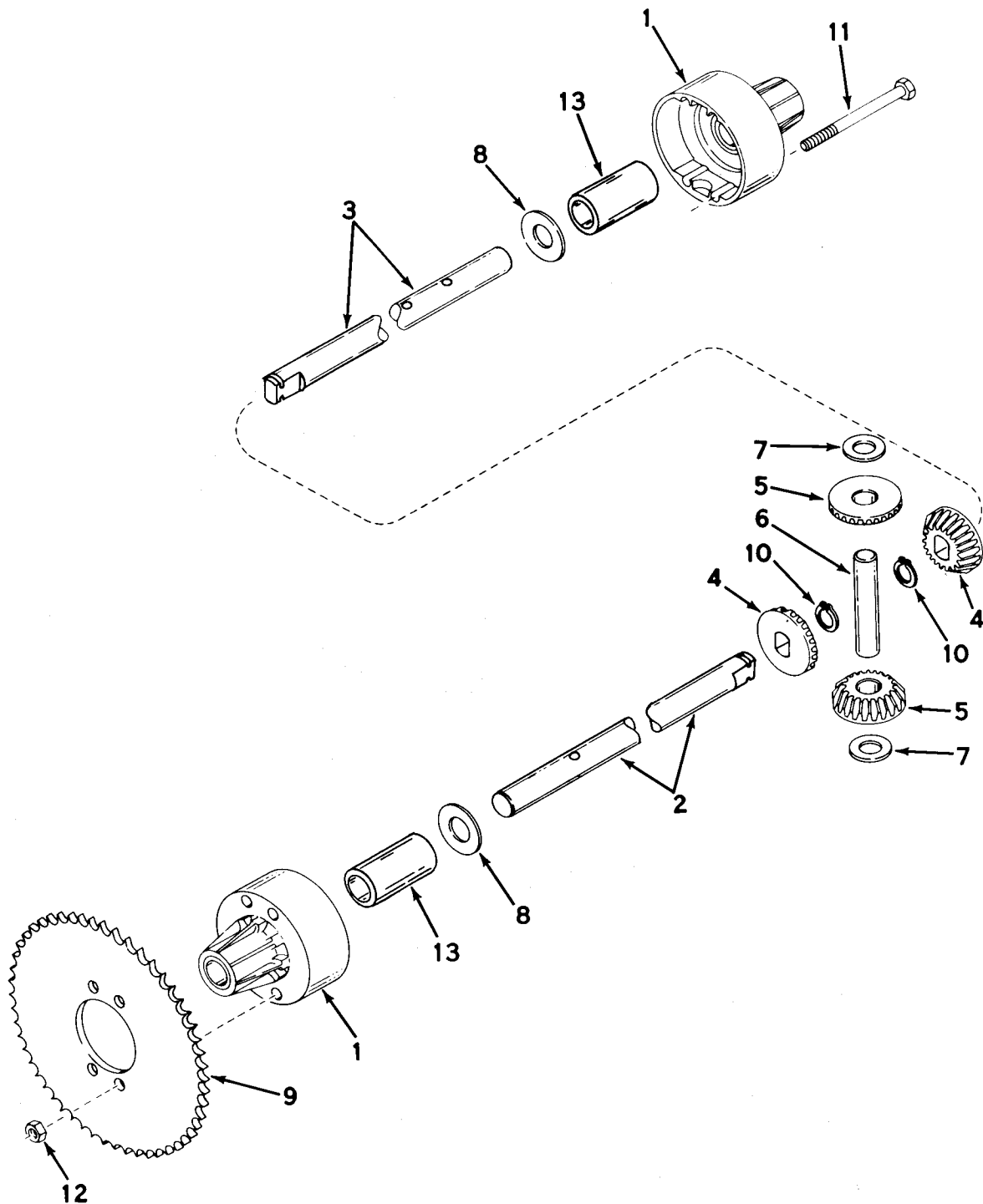
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32152-4	Nut	1	13	3253-3	Lockwasher	1
2	3256-2	Washer	1	14	322-3	Capscrew	1
3	7-5230	Wire Assembly	1	15	3256-3	Washer	1
4	7-6160	Wire Assembly	1	16	3253-24	Lockwasher	1
5	7-6480	Wire Assembly	1	17	3217-6	Nut	1
6	7-4082	Wire Assembly	1	18	218-331	Battery Boot	2
7	7-4080	Wire Assembly	1	19	7-5000	Clamp	1
8	32140-15	Self Tapping Screw	1	20	3217-5	Nut	1
9	7-3328	Battery Bolt	2	21	32103-19	Wing Nut	2
10	239-15	Battery	1	22	7-6310	Heat Shield Battery	1
11	321-4	Capscrew	1	23	3229-11	Carriage Bolt	1
12	3256-16	Washer	1				



MODEL 352 TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	770048	Case Assy., Transmission (Incl. Nos. 2, 3 & 6)	1
2	780079	Bearing, Bronze	1
3	780087	Bearing, Bronze	1
4	780080	Bearing, Bronze	1
5	772060	Cover Assy., Transmission (Incl. Nos. 4 & 6)	1
6	780081	Bushing, Bronze	1
8	784079	Rod Assy., Shift (Incl. Nos 9 thru 13)	1
9	784083	Rod, Shift	1
10	784004	Fork, Shifter	1
11	792017	Ring, Retainer	1
12	792004	Ball, Steel	1
13	792003	Spring	1
14	784128	Rod Assy., Shift (Incl. Nos. 10 thru 13 & 15)	1
15	784129	Rod, Shift	1
16	784177	Lever & Housing Assy., Shift (Incl. Nos. 17 thru 22)	1
17	784178	Lever, Shift	1
18	784088	Housing, Shift Lever	1
19	784094	Keeper, Shift Lever	1
20	792016	Ring, Snap	1
21	792001	Ring, Quad	1
22	792002	Pin, Roll	1
23	776079	Shaft, Shifter	1

Ref. No.	Part No.	Description	No. Used
24	778070	Gear, Bevel (33 teeth)	1
25	778071	Gear, Shift (1st & 2nd)	1
26	778072	Gear, Shift (3rd & Rev.)	1
27	778073	Idler, Reverse	1
28	778074	Gear (39 teeth)	1
29	778062	Gear (34 teeth)	1
30	778075	Gear (30 teeth)	1
31	776083	Shaft, Output	1
32	786047	Sprocket (8 teeth)	1
33	776081	Shaft, Reverse Idler	1
34	784132	Stop, Shifter	1
35	792035	Ring, Retainer	1
37	780082	Bearing, Thrust	1
38	780001	Washer	1
39	792045	Key, Woodruff	1
40	792046	Screw, Hex hd. self tap	1
41	788040	Ring, Retainer	1
42	792034A	Key, Counter shaft	1
43	786036	Spacer, Reverse idler	1
44	792007	Screw, Socket hd. cap	1
45	788041	Gasket, Transmission	1
46	778077	Pinion, Input	1
47	776098	Shaft, Input	1
48	786026	Pin, Dowel	1
49	780092	Bearing, Ball	1
50	788038	Ring, Retaining	1
51	792047	Key, Woodruff	1

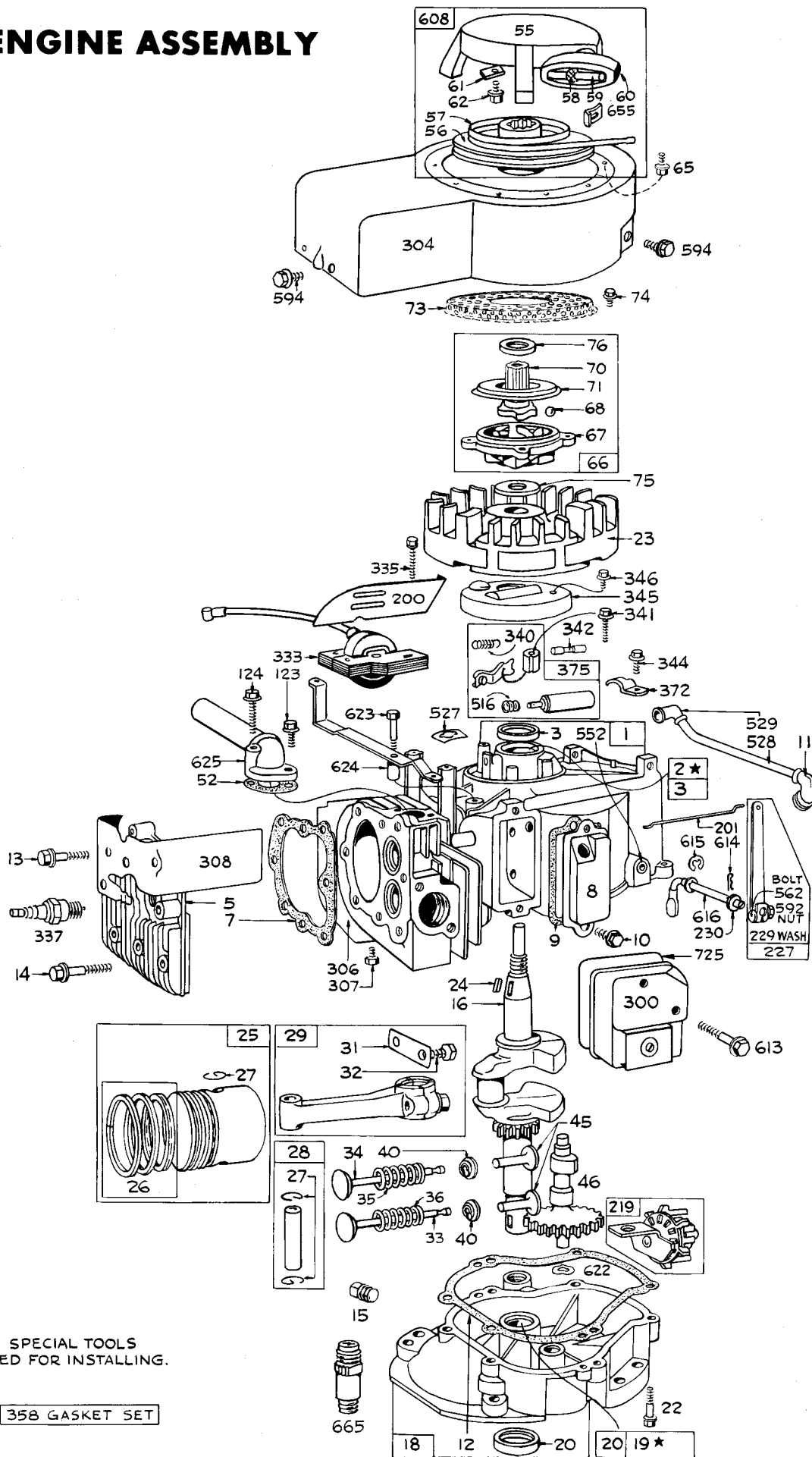


DIFFERENTIAL MODEL 120

Ref. No.	Part No.	Description	No. Used
1	774073	Housing, Differential carrier (Incl. No. 13)	1
2	774149	Axle (8 27/32" long)	1
3	774150	Axle (13 23/32" long)	1
4	778067	Gear, Bevel	1
5	778068	Gear, Pinion	1
6	786040	Pin, Drive	1

Ref. No.	Part No.	Description	No. Used
7	780073	Washer, Thrust	1
8	780001	Washer	1
9	786042	Sprocket (40 teeth)	1
10	788038	Ring, Snap	1
11	792041	Screw, Hex hd.	1
12	792042	Nut, Lock	1
13	780077	Bushing	1

ENGINE ASSEMBLY



ENGINE MODEL SERIES 130902 (Recoil)

Ref. No.	Part No.	Description	No. Used
1	299446	Cylinder Assembly	1
2	297565	Bushing - Cylinder Note: Requires special tools for installation.	1
3	89660	Seal - Oil	1
5	211542	Head - Cylinder	1
7	270383	Gasket - Cylinder Head	1
8	297261	Breather - Valve Chamber	1
9	*27549	Gasket - Valve Cover	1
10	93394	Screw - Breather Mtg. Sem	1
11	67738	Grommet - Breather	1
12	270069	Gasket - Crankcase - .015" thick (Standard)	1
	270122	Gasket - Crankcase - .005" thick	1
	270123	Gasket - Crankcase - .009" thick	1
13	93368	Screw - Cylinder Head	1
14	93369	Screw - Cylinder Head	1
15	91084	Plug - Oil Drain	1
16	260936	Crankshaft	1
18	297587	Sump - Oil	1
19	297604	Bushing - Oil Sump Note: Requires special tools for installation.	1
20	294167	Seal - Oil	1
22	93032	Screw - Sump Mtg. Sem	1
23	297229	Flywheel - Magneto	1
24	61760	Key - Flywheel	1
25	298904	Piston Assy. - standard	1
	298905	Piston Assy. - .010" O.S.	1
	298906	Piston Assy. - .020" O.S.	1
	298907	Piston Assy. - .030" O.S.	1
		MODEL 130900 SERIES	
		PISTON RING SETS:	
		Note: For Chrome Piston Ring Set - standard size - order Part No. 299742.	
26	298982	Ring Set - Std. Piston Consists of:	1
		211467 Ring, Piston, Comp., Top, Standard	1
		211468 Ring, Piston, Comp., Center, Standard	1
		211469 Ring, Piston, Oil, Std.	1
	298983	Ring Set - .010" O.S. Piston Consists of:	1
		211504 Ring, Piston, Comp., Top, .010" O.S.	1
		211503 Ring, Piston, Comp., Center, .010" O.S.	1
		211505 Ring, Piston, Oil, .010" O.S.	1
	298984	Ring Set - .020" O.S. Piston Consists of:	1
		211507 Ring, Piston, Comp., Top, .020" O.S.	1
		211506 Ring, Piston, Comp., Center, .020" O.S.	1
		211508 Ring, Piston, Oil, .020" O.S.	1
	298985	Ring Set - .030" O.S. Piston Consists of:	1
		211511 Ring, Piston, Comp., Top, .030" O.S.	1

Ref. No.	Part No.	Description	No. Used
		211510 Ring, Piston, Comp., Center, .030" O.S.	1
		211512 Ring, Piston, Oil, .030" O.S.	1
27	26026	Lock - Piston Pin	1
28	298909	Pin Assy. - Piston - Std.	1
	298908	Pin Assy. - Piston - .005" O.S.	1
29	299429	Rod Assy. - Connecting	1
31	221876	Lock - Connecting Rod	1
32	92296	Screw - Connecting Rod	1
33	211119	Valve - Exhaust	1
34	261044	Valve - Intake	1
35	260552	Spring - Intake Valve	1
36	26478	Spring - Exhaust Valve	1
40	93312	Retainer - Valve Spring	1
45	260642	Tappet - Valve	1
46	211590	Gear - Cam	1
52	270070	Gasket - Intake Elbow Mounting	1
55	299431	Housing - Rewind Starter	1
56	295871	Pulley - Rewind Starter	1
57	294303	Spring - Rewind Starter	1
58	66564	Rope - Rewind Starter	1
59	230228	Pin - Starter Rope	1
60	66728	Grip - Starter Rope	1
61	68848	Bumper - Starter Pulley	1
62	93254	Screw - Pulley Bumper Mounting	1
65	93647	Screw - Rewind Starter Housing Mounting Sem	1
66	298798	Clutch Assy. - Rewind Starter	1
67	211383	Housing - Starter Clutch	1
68	63770	Ball - Clutch	1
70	298436	Ratchet - Starter Clutch	1
71	221653	Washer - Clutch Retainer	1
73	221923	Screen - Rewind Starter	1
74	93490	Screw - Rotating Screen Mounting Sem	1
75	220865	Washer - Spring	1
76	68238	Washer - Ratchet Sealing	1
123	93512	Screw - Intake Elbow Mtg.	1
124	93367	Screw - Intake Elbow Mtg.	1
200	221480	Guide - Air	1
201	260649	Link - Governor	1
219	297249	Oil Slinger Gear, Governor and Bracket	1
227	297583	Lever Assy. - Governor	1
229	220680	Washer - Governor Lever	1
230	221559	Washer - Governor Lever	1
300	297506	Muffler - Exhaust	1
304	299332	Housing - Blower	1
306	221484	Shield - Cylinder	1
307	93042	Screw - Cylinder Shield Mounting Sem	1
308	221452	Cover - Cylinder Head	1
333	298316	Armature - Magneto	1
335	93414	Screw - Armature Mtg. Sem	1
337	298809	Plug - Spark (with gasket)	1
340	26018	Spring - Breaker Arm	1
341	93381	Screw - Breaker Arm Mounting Sem	1
342	65704	Plunger - Breaker Point	1
344	93042	Screw - Condenser Clamp Mounting Sem	1
345	220366	Cover - Breaker Point and Cond.	1

* Included in Gasket Set - Part No. 297616

ENGINE MODEL SERIES 130902 (Recoil)

Ref. No.	Part No.	Description	No. Used
346	93014	Screw - Dust Cover Mounting	1
358	297616	Gasket Set	1
372	220477	Clamp - Condenser	1
375	294628	Breaker Points & Condenser Set	1
		Note: 299061 Ignition Kit	
		Includes:	
		294628 Point Set	1
		65704 Plunger	1
		61760 Key - Flywheel	1
516	260374	Spring - Connector	1
527	93376	Clip - Breather Pipe	1
528	230717	Tube - Breather	1
529	67608	Grommet - Breather Tube	1
552	230735	Bushing - Governor Shaft	1
562	92613	Bolt - Governor Lever	1
592	90356	Nut - Hex.	1

Ref. No.	Part No.	Description	No. Used
594	93559	Screw - Blower Housing	1
		Mounting Sem	1
608	299334	Starter Assy. - Rewind	1
613	93377	Screw - Muffler Mounting	1
614	93306	Cotter - Hair Pin	1
615	93307	Retainer - E-Ring	1
616	230714	Crank - Governor	1
622	260676	Washer - Spring (Used between cam gear boss and oil slinger bracket)	1
623	93566	Screw - Shoulder	1
624	297252	Lever - Linkage	1
625	297254	Elbow and Tube - Intake	1
655	221014	Anchor - Spring	1
665	296768	Oil Minder	1
725	221885	Shield - Heat	1

SPECIFICATIONS

FUEL TANK CAPACITY: 2 quarts on engine

TRANSMISSION: 3 speed forward and 1 reverse die cast aluminum housing with enclosed hardened steel gears.

Reductions: 1st - 6.2:1 3rd - 3.0:1
2nd - 4.1:1 Rev. - 3.4:1

TRACTION DRIVE: "4L" section V-belt from 2.75 P.D. engine pulley to 5.25 P.D. transmission input pulley (2:1 reduction) No. 41 chain on 8T transmission output shaft to 40T sprocket on differential (5:1 reduction). Total reduction engine to wheels:

1st - 62:1 3rd - 30:1
2nd - 41:1 Rev. - 34:1

TRANSMISSION LUBRICATION: Permanently lubricated with 12 oz. Valvoline X-All.

DIFFERENTIAL: Die cast aluminum housing with enclosed sintered powder metal bevel gears. 3/4 axle shafts. Permanently lubricated with 1 oz. Valvoline X-All.

SPEEDS: At 3400 engine RPM:

1st - 2.2 MPH 3rd - 4.8 MPH
2nd - 3.5 MPH Rev. - 4.0 MPH

WHEELS: Front and rear - stamped steel discs with drop center rims.

TIRES: Front: 11 x 3.75 semi-pneumatic tire
Rear: 13 x 5.00-6 tubeless pneumatic terra tire

CONSTRUCTION: 11 gage HRPO steel formed channel with 3/16 steel seat and differential support at rear. 5/8" diameter CRS spindles. 11 gage front axle .18 one piece rear fender.

STEERING: 13" diameter 3 spoke 5" deep dish steering wheel - 2:1 ratio.

CUTTER DRIVE: Belt drive from jackshaft ahead of engine.

CUTTER HOUSING: Semi-floating 14 gage stamped steel housing attached to frame by 1/2 steel pins.

CUTTER WIDTH: 25"

BLADE: One piece 8 gage fully hardened alloy steel.

BLADE TIP SPEED: 17,700 FPM @ 3400 RPM engine RPM.

CUTTER SPINDLE: Steel mounted in 2 single rows, double sealed ball bearings.

HEIGHT OF CUT: 1 1/4 to 3" Control Lever with infinite height variation.

CONTROLS:

ENGINE: Control wire and casing with stop, slow, fast and choke positions mounted on dash (Recoil). Key for start and stop (Electric).

TRANSMISSION: Single lever with 4 position H pattern.

TRACTION CLUTCH: Foot operated pedal. Depressing pedal disengages idler pulley from belt.

CUTTER: Single lever. Inlock-out position blade belt idler is disengaged and blade brake applied. In engaged position, brake is released and cutter belt engaged.

DIMENSIONS: Wheel base: 39"
Wheel tread: 23 1/2" front
21 1/2" rear
both 27" outside to outside

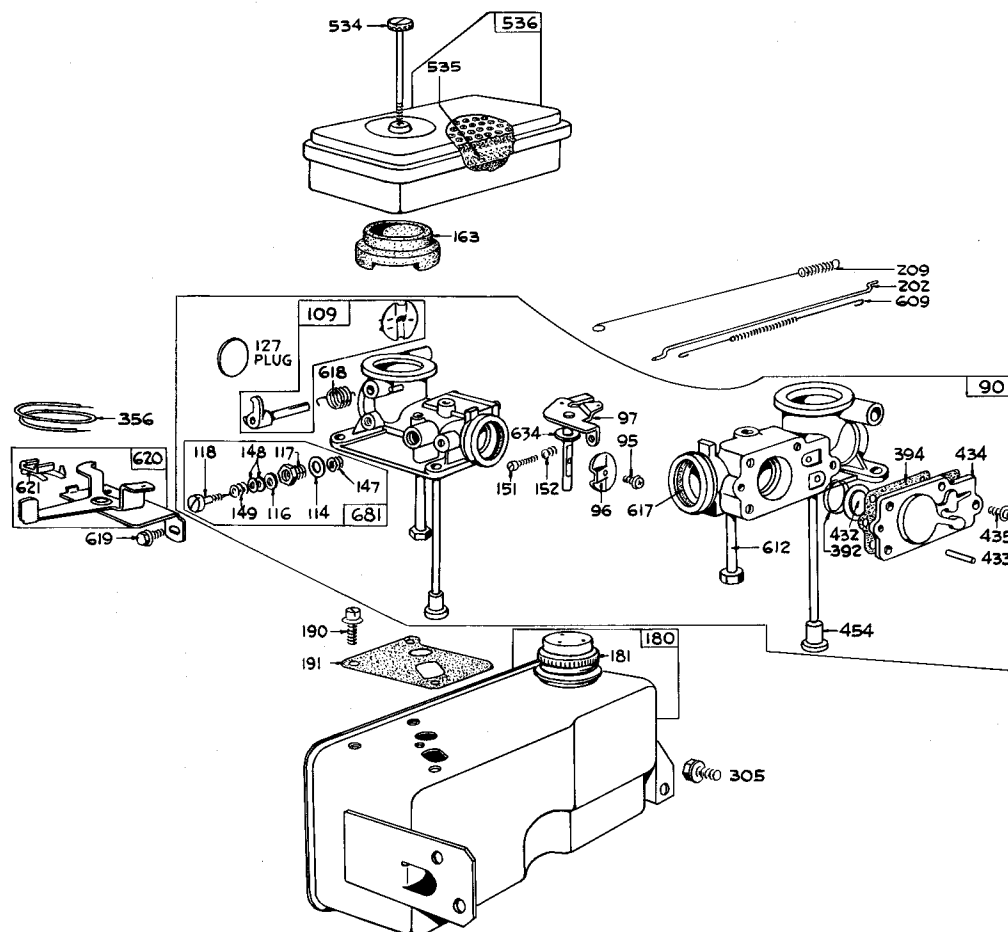
Turning radius: 33"
Length: 52"
Width: 29"
Height: 33"

WEIGHT: 240 pounds with 25" cutter.

BRAKE: Foot operated pedal - right side. Depressing pedal engages band on 2 1/2" dia. drum.

SAFETY FEATURES: Meets U.S.A.S. Specifications.
Separate brake & clutch control.
Automatic blade brake.
Enclosed and guarded drive.

OPTIONAL EQUIPMENT: Snow blade attachment.
25" Rotary Bagger Kit.
Tire Chains
Roller
Spreader
Aerator
Lawn Sweeper
Key-Lectric Trimmer
Dump Cart



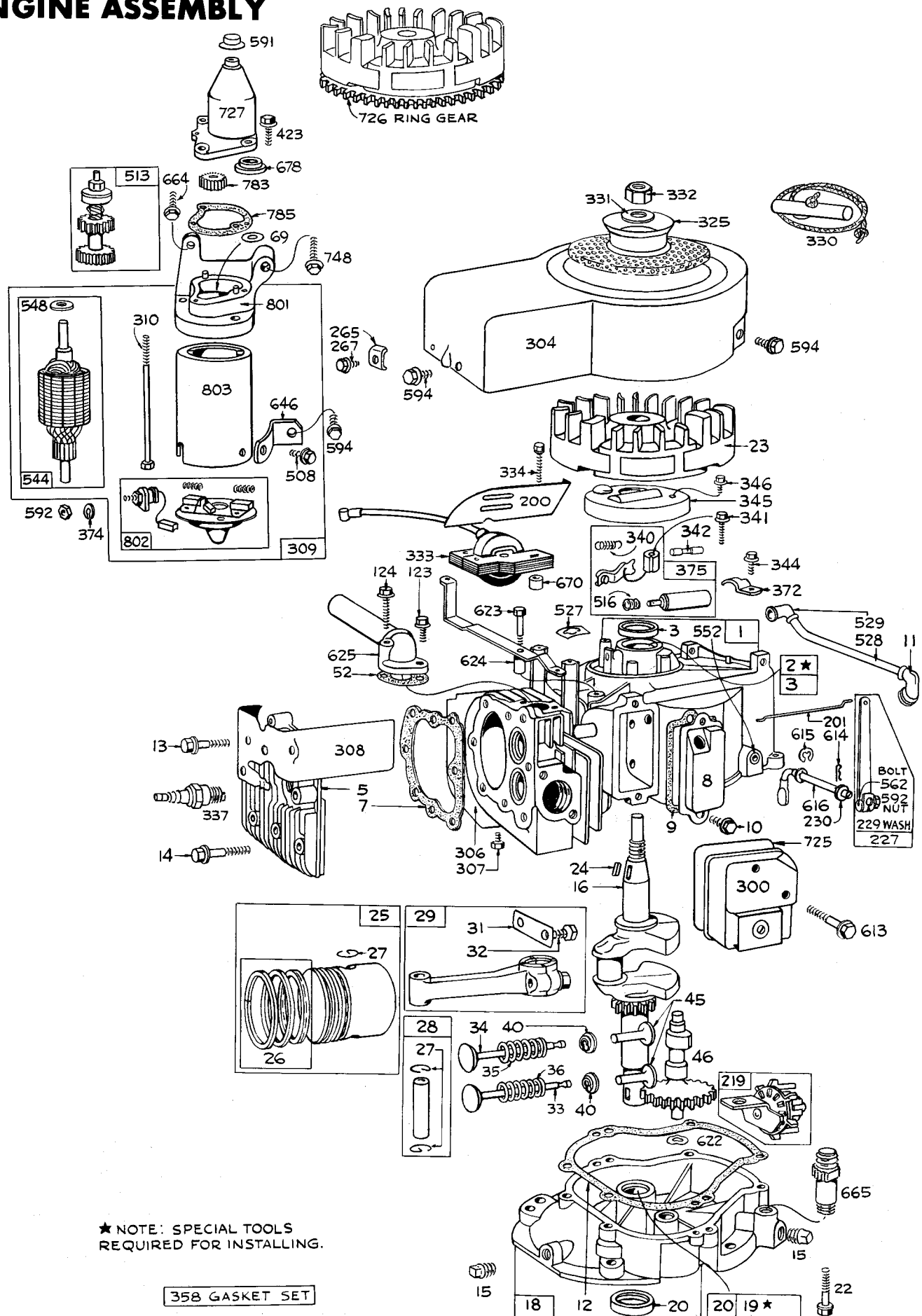
MODEL 299448 CARBURETOR ASSEMBLY (Recoil & Electric)

Ref. No.	Part No.	Description	No. Used
90	299448	Carburetor Assembly	1
95	93385	Screw - Throttle Valve to Shaft Sem	1
96	211237	Valve - Throttle	1
97	299692	Shaft and Lever - Throttle	1
109	390076	Shaft, Lever and Valve - Choke	1
114	66594	Gasket - Needle Valve Nut	1
116	65978	Packing - Needle Valve	1
117	230590	Nut - Needle Valve	1
118	23433	Valve - Needle	1
127	22831	Plug - Welch	1
147	230591	Seat - Needle Valve	1
148	22235	Washer - Needle Valve	2
149	26336	Spring - Needle Valve	1
151	92634	Screw - Machine, Rd. Hd.	1
152	260575	Spring - Throttle Adjustment	1
163	*27660	Gasket - Air Cleaner Mtg.	1
180	297257	Tank Assembly - Fuel	1
181	298425	Cap - Fuel Tank	1
190	93341	Screw - Fuel Tank Mtg.	1
191	270073	Gasket - Fuel Tank Mtg.	1
202	260654	Link - Throttle	1
209	260711	Spring - Governor	1

Ref. No.	Part No.	Description	No. Used
305	93158	Screw - Tank Bracket Mounting Sem	1
356	297473	Wire - Ground	1
392	260455	Spring - Fuel Pump Diaphragm	1
394	270026	Diaphragm	1
432	221377	Cap - Spring	1
433	93265	Pin - Diaphragm Cover	1
434	210959	Cover - Diaphragm	1
435	93141	Screw - Diaphragm Cover	1
454	296178	Housing - Fuel Pipe Screen (For 3/16" O.D. Pipe)	1
534	93374	Screw - Air Cleaner	1
535	270447	Element - Air Cleaner	1
536	299447	Cleaner Assembly - Air	1
609	260029	Spring - Throttle Link	1
612	296811	Pipe - Fuel (Plastic)	1
617	270074	Seal - Intake Elbow Tube	1
618	260648	Spring - Choke Return	1
619	93380	Screw - Control Plate Mtg.	1
620	297548	Plate Assy. - Carburetor Control	1
621	297472	Switch - Stop	1
634	270167	Washer - Throttle Shaft (Felt)	1
681	299060	Needle Valve Kit	1

* Included in Gasket Set - Part No. 297616

ENGINE ASSEMBLY



★ NOTE: SPECIAL TOOLS
REQUIRED FOR INSTALLING.

358 GASKET SET

ENGINE MODEL SERIES 130905 (Electric)

Ref. No.	Part No.	Description	No. Used
1	299446	Cylinder Assembly	1
2	297565	Bushing - Cylinder	1
		Note: Requires special tools for installation.	
3	89660	Seal - Oil	1
5	211542	Head - Cylinder	1
7	270383	Gasket - Cylinder Head	1
8	297261	Breather - Valve Chamber	1
9	*27549	Gasket - Valve Cover	1
10	93394	Screw - Breather Mtg. Sem	1
11	67738	Grommet - Breather	1
12	270069	Gasket - Crankcase - .015" thick (Standard)	1
	270122	Gasket - Crankcase - .005" thick	1
	270123	Gasket - Crankcase - .009" thick	1
13	93368	Screw - Cylinder Head (2-3/32" long)	1
14	93369	Screw - Cylinder Head (2-15/32" long)	1
15	91084	Plug - Oil Drain	2
16	261098	Crankshaft	1
18	390575	Sump - Oil	1
19	297604	Bushing - Oil Sump	1
		Note: Requires special tools for installation.	
20	294167	Seal - Oil	1
22	93032	Screw - Sump Mtg. Sem	1
23	390509	Flywheel - Magneto	1
24	61760	Key - Flywheel	1
25	298904	Piston Assy. - Standard	1
	298905	Piston Assy. - .010" O.S.	1
	298906	Piston Assy. - .020" O.S.	1
	298907	Piston Assy. - .030" O.S.	1
		PISTON RING SETS:	
		Note: For Chrome Piston Ring Set - standard size - order Part No. 299742.	
26	298982	Ring Set - Std. Piston	
		Consists of:	
		211467 Ring, Piston, Comp., Top, Standard	1
		211468 Ring, Piston, Comp., Center, Standard	1
		211469 Ring, Piston, Oil, Standard	1
	298983	Ring Set - .010" O.S. Piston	
		Consists of:	
		211504 Ring, Piston, Comp., Top, .010" O.S.	1
		211503 Ring, Piston, Comp., Center, .010" O.S.	1
		211505 Ring, Piston, Oil, .010" O.S.	1
	298984	Ring Set - .020" O.S. Piston	
		Consists of:	
		211507 Ring, Piston, Comp., Top, .020" O.S.	1
		211506 Ring, Piston, Comp., Center, .020" O.S.	1
		211508 Ring, Piston, Oil, .020" O.S.	1

Ref. No.	Part No.	Description	No. Used
	298985	Ring Set - .030" O.S. Piston	
		Consists of:	
		211511 Ring, Piston, Comp., Top, .030" O.S.	1
		211510 Ring, Piston, Comp., Center, .030" O.S.	1
		211512 Ring, Piston, Oil, .030" O.S.	1
27	26026	Lock - Piston Pin	1
28	298909	Pin Assy. - Piston - Std.	1
	298908	Pin Assy. - Piston - .005" O.S.	1
29	299429	Rod Assy. - Connecting	1
31	221876	Lock - Connecting Rod	1
32	92296	Screw - Connecting Rod	1
33	211119	Valve - Exhaust	1
34	261044	Valve - Intake	1
35	260552	Spring - Intake Valve	1
36	26478	Spring - Exhaust Valve	1
40	93312	Retainer - Valve Spring	1
45	260642	Tappet - Valve	1
46	211590	Gear - Cam	1
52	270070	Gasket - Intake Elbow Mounting	1
69	261089	Washer - Thrust	1
123	93512	Screw - Intake Elbow Mtg.	1
124	93367	Screw - Intake Elbow Mtg.	1
200	221480	Guide - Air	1
201	260649	Link - Governor	1
219	297249	Oil Slinger Gear, Governor and Bracket	1
227	297583	Lever Assy. - Governor	1
229	220680	Washer - Governor Lever	1
230	221559	Washer - Governor Lever	1
265	22372	Clamp - Casing	1
267	93469	Screw - Clamp Mounting	1
300	297506	Muffler - Exhaust	1
304	390320	Housing - Blower	1
306	221484	Shield - Cylinder	1
307	93042	Screw - Cylinder Shield Mounting Sem	1
308	221452	Cover - Cylinder Head	1
309	390232	Motor Starting (American Bosch Arma No. SMG-12A-2)	1
310	93648	Bolt - Starter Motor	1
325	299421	Starter Pulley with Screen	1
330	69932	Rope - Starter	1
331	220865	Washer - Flywheel	1
332	92284	Nut - Flywheel	1
333	298316	Armature - Magneto	1
334	93613	Screw - Armature Mounting	1
337	298809	Plug - Spark	1
340	26018	Spring - Breaker Arm	1
341	93381	Screw - Breaker Arm Mounting Sem	1
342	65704	Plunger - Breaker Point	1
344	93042	Screw - Condenser Clamp Mounting Sem	1
345	220366	Cover - Breaker Point and Condenser	1
346	93014	Screw - Dust Cover Mounting	1
358	297616	Gasket Set	1
372	220477	Clamp - Condenser	1

* Included in Gasket Set - Part No. 297616

ENGINE MODEL SERIES 130905 (Electric)

Ref. No.	Part No.	Description	No. Used
374	92813	Washer - Lock, Shakeproof No. 1210-06	1
375	294628	Breaker Points & Condenser Set Note: 299061 Ignition Kit Includes: 294628 Point Set	1
		65704 Plunger	1
		61760 Key - Flywheel	1
423	93654	Screw - Sem	1
508	93636	Screw - Sem	1
513	390581	Drive Assy. - Electric Starter	1
516	260374	Spring - Connector	1
527	93376	Clip - Breather Pipe	1
528	230717	Tube - Breather	1
529	67608	Grommet - Breather Tube	1
544	390467	Armature - Electric Starter	1
548	93649	Washer - Armature	1
552	230735	Bushing - Governor Shaft	1
562	92613	Bolt - Governor Lever	1
591	222155	Cap - Bearing	1
592	90356	Nut - Hex. - 10-24	1
594	93559	Screw - Blower Housing Mounting Sem	1
613	93377	Screw - Muffler Mounting	1

Ref. No.	Part No.	Description	No. Used
614	93306	Cotter - Hair Pin	1
615	93307	Retainer - E-Ring	1
616	230714	Crank - Governor	1
622	260676	Washer - Spring (Used between cam gear boss and oil slinger bracket)	1
623	93566	Screw - Shoulder	1
624	297252	Lever - Linkage	1
625	297254	Elbow and Tube - Intake	1
646	222162	Bracket - Starter Motor	1
664	93415	Screw - Sem	1
665	296768	Oil Minder	1
670	261065	Spacer - Armature	1
678	270701	Spacer - Starter Pinion	1
725	221885	Shield - Heat	1
726	390431	Gear - Flywheel Ring	1
727	390317	Housing - Starter Drive	1
748	93534	Screw - Sem	1
783	230972	Gear - Electric Starter Pinion	1
785	270677	Gasket - Starter Drive Housing	1
801	390318	End Head - Starter	1
802	390465	Cap Assembly - Commutator end	1
803	390468	Housing Assembly - Starter	1

PRODUCT CHANGES

In an effort to make improvements available to Toro owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change apparently has been made in your unit, which is not reflected in your manual, see your Toro distributor or his authorized Toro service dealer for information and part numbers.

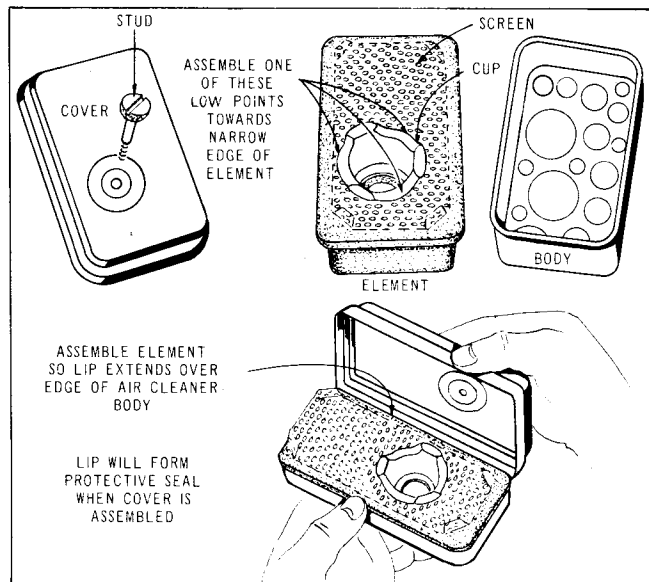
IMPORTANT ORDERING INSTRUCTIONS

Repair parts are available from your TORO dealer. To insure getting correct parts without delay, furnish the following information:

1. Serial number of your tractor as shown on the name plate.
2. Part number, description, and quantity of each part required.
3. State whether parts should be shipped by mail or express. All repair parts are shipped F.O.B. Factory.
4. Name and address where parts are to be shipped.
5. Do not order by reference number; use part number only.

OPERATING AND MAINTENANCE INSTRUCTIONS

CLEAN AIR CLEANER AND RE-OIL EQUIPMENT every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions.



1. Remove screw.
2. Remove air cleaner carefully to prevent dirt from entering carburetor.
3. Take air cleaner apart and clean.
 - A - Wash foam element in kerosene or a liquid detergent and water to remove dirt.
 - B - Dry foam completely by wrapping and squeezing in a cloth.
 - C - Soak foam with engine oil. Squeeze to distribute and remove excess oil.
4. Reassemble parts and fasten to carburetor.

REMOTE CONTROL ADJUSTMENT

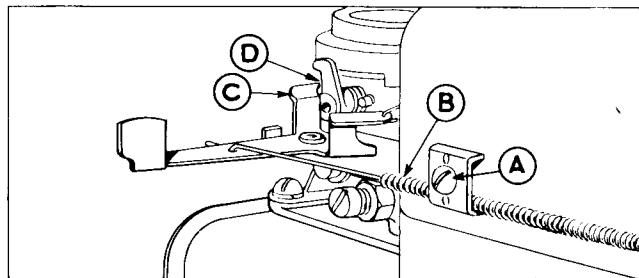
Proper choke and stop switch operation is dependent upon proper adjustment of remote controls on the powered equipment.

To Check Operation:

Remove Air Cleaner. Move remote control lever to **CHOKE** position. The carburetor choke should then be closed. Move the remote control lever to **STOP**. Control lever on carburetor should then make good contact with stop switch to short out ignition.

To Adjust:

Place remote control lever on equipment in **FAST** (high speed) position.



Lever C on carburetor should be just touching choke arm at D. To adjust, loosen casing clamp screw A on blower housing. Move control casing B forward or backward until correct position is obtained. Tighten screw A.

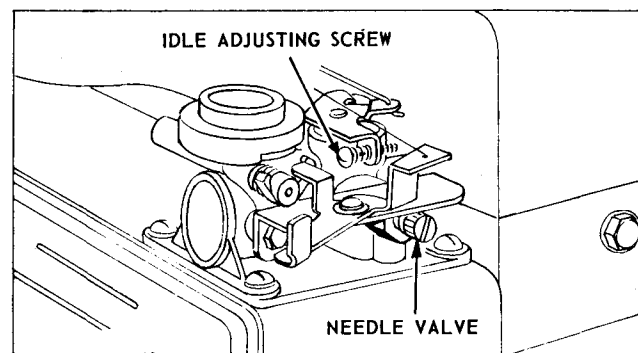
Recheck operation of controls after adjustment. Replace air cleaner.

CARBURETOR ADJUSTMENTS

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

Initial Adjustment:

Turn needle valve clockwise to close it. Then open 2 turns. This initial adjustment will permit the engine to be started and warmed up before making final adjustment.



Final Adjustment:

With engine running at normal operating speed (approximately 3000 RPM without load) turn needle valve clockwise until engine starts to lose speed (lean mixture). Then slowly turn needle valve counterclockwise past the point of smoothest operation, until engine just begins to run unevenly. This mixture will give best performance under load.

To check adjustment move engine control from **SLOW** to **FAST** speed. If engine tends to stall or die out, it usually indicates that the mixture is slightly lean and it may be necessary to open the needle valve slightly to provide a richer mixture. This richer mixture may cause a slight unevenness in idling.

STORAGE INSTRUCTIONS

Engines to be stored over 30 days should be completely drained of fuel to prevent gum deposits forming on essential carburetor parts, and tank.

- a. All fuel should be removed from fuel tank. Run the engine until it stops from lack of fuel. The small amount of fuel that remains in the sump of the tank should then be removed by absorbing it with a clean dry cloth.
- b. Remove spark plug, pour 1 ounce of SAE-30 oil into cylinder and crank slowly to distribute oil. Replace spark plug.
- c. Clean dirt and chaff from cylinder, cylinder head fins and blower housing.

TIRE PRESSURE

For shipping purposes, the tires have been over-inflated. The recommended tire pressure is 12-14 lbs.

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