

PARTS LIST AND INSTRUCTIONS

REO

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

LAWN SKIFF

**Models: 2-1231 (Electric)
2-2231 (Recoil)**

Riding Rotary Mowers



OWNERS MANUAL

"Quality is Standard Equipment in Every Wheelhorse Product"



ASSEMBLY

Your new Reo Lawn Skiff comes completely assembled except for installation of the steering wheel.

A. Remove unit from carton.

B. Install steering wheel on steering shaft and secure with one Roll Pin, Part No. 933213.

BEFORE YOU START

There is **NO OIL** in the crankcase of the engine when shipped from the factory. **OIL . . .** Use a good grade of regular oil. The engine oil weights listed below are recommended by the engine manufacturer and must be followed for best performance and long life.

Above 32° Use S.A.E. 30W

Below 32° Use S.A.E. 10W

Check oil level every 5 hours of operating time or each time equipment is used.

Change oil every 25 operating hours or sooner if equipment is operated in extremely dusty or dirty conditions. Read engine manual and follow all instructions pertaining to proper maintenance specified. The engine is the heart of your riding mower and it is very important that you keep it in good condition.

Before draining oil from the engine push down on the clutch pedal. This will allow the clutch idler bar to extend through the slot in the rear of the unit. A bolt or screwdriver should be put through the hole in the bar to keep it from going back. This will allow oil to flow unrestricted into a can or pail.

Before mowing, the mower should be operated at a slow speed to check all moving parts for any damage or looseness caused in shipping.

Lubricate all grease fittings with a regular pressure gun lubricant every eight or ten hours of operation. Refer to Figure VIII for location of grease fittings.

A light machine oil should be used on all moving parts.

The transmission has been packed at the factory with special lubricant and should need no further attention.

The mower gear boxes have been lubricated at the factory. The spindles are mounted in precision needle bearings and will run for long periods, without relubrication. Under average conditions, seasonal lubrication at the beginning of the mowing season is all that is required. To relubricate, lower mower and place the front end of the rider on a box for greater clearance. Use a regular Wheel Horse grease gun to lubricate the grease fittings on the top of spindles after removing access plug. A small amount of grease should be added with the gun lifted off the spindle fitting to lubricate the gears.

BATTERY

The battery installed in the Model 2-1231 (Electric) Lawn Skiff is a dry charge battery. It is important that you properly prepare this battery to insure good service and long life.

1. Remove vent caps. Remove or destroy any sealing device which may have been used to close or restrict the vent openings.

2. Fill each cell of the battery to top of ring with battery electrolyte.

NOTE: Temperature of battery and electrolyte at time of filling should be above 60°F. Remove battery to fill, as the acid electrolyte may damage the surface of the Lawn Skiff if spilled.

3. **Boost charge:** 15 amps. for 10 minutes or 7 amps. for 30 minutes. Adjust electrolyte level, if necessary, after charge.

4. **Install battery with battery post toward the engine.** After battery has been in service, add only distilled water. **Note: Do Not Add Acid.**

5. If battery requires recharging after initial boost charge, slow charge at 2 to 4 amps.

TIRES

The tires are pneumatic and should be inflated to 8 to 10 pounds of air pressure.

STARTING ENGINE

1. Before starting the engine fill gas tank (located on the engine) with a good grade of regular gas. See Figure VIII.

2. Engage parking brake.

3. Make sure mower clutch is disengaged.

4. Move throttle lever to choke position.

5. A. The electric model has a key starter-switch. Turn key all the way to the right to start engine.

6. B. The recoil model has a recoil starter with a choke position on the throttle control. (**NOTE:** Keep feet clear of mower while pulling recoil starter.) Move to choke position — pull recoil out.

7. When engine starts, move throttle control off choke and to the desired engine speed.

CLUTCHING AND REVERSING

The pedal at the left hand side of the steering column serves as both the clutch and reverse control. The transmission is disengaged from the engine by depressing the pedal slightly over halfway down. At this point the transmission can be shifted into the high or low range.

With the transmission in either range the direction of travel can be reversed when the pedal is firmly depressed.

The travel speed in reverse is **one-half** the travel speed forward in either range.

BRAKES

To set the brake for parking, step on brake and flip the parking brake lever up till it engages the brake arm (see Figure 1). Shift control must be in gear for brake to function.



Figure 1

CARE OF THE LAWN SKIFF

1. Keep Lawn Skiff greased and oiled regularly. Refer to Figure VIII for location of grease fittings.

2. Keep engine air cleaner clean. This will add to engine life.

3. Keep tires properly inflated. See instructions on tires.

4. Keep Lawn Skiff covered and in dry place when not in use.

5. Keep grass and dirt out of engine cowling as this will stop the flow of air and decrease engine life.

6. When replacing belts make sure all pulleys are in line.

7. **Battery:** Check liquid after every 40 hours of use. If Lawn Skiff has been in storage it may be necessary to recharge. Remove for winter storage.

8. Your Lawn Skiff is only as good as the service you give it. See your Reo Dealer for a thorough check-up after each season of use.

9. When replacing belts be sure to purchase genuine Wheel Horse belts, as these belts are specifically designed for each application.

(NOTE: Make sure all pulleys are properly aligned.)

10. The seat has three (3) possible seat positions provided by the five holes in the seat support.

MOWER HEIGHT ADJUSTMENT

Different cutting heights can be obtained by pulling the heights adjusting lever and moving it up or down to the desired notch. (See Figure II.) Note: The mower must be in the "up" position before any adjustments can be made.



Figure II

MOWER BELT ADJUSTMENT

If mower blades slow down or stop and engine continues to run when mowing heavy grass, check tension of long twisted belt. This belt is tensioned by adjusting the nut at the front end of the bar adjacent and parallel to the belt. Do not put more tension on belt than necessary as excess tension will lead to premature belt and bearing failure.

Make sure that the wire fingers retaining the belt on the engine reverse pulley are as close to the belt as permissible without rubbing with idler in the engaged position.

The mower will operate most efficiently when the front of the mower is tipped down slightly. The tips of the blades at the front should be about $\frac{1}{8}$ " below the tips of the blades at the rear. The height can be adjusted by first removing the hairpin cotter Part No. 933505-4 and clevis pin, Part No. 932965-4 then turning the yoke with the bolt enclosed in or out of the threaded trunnion. See Mower Exploded View Drawing Items No. 43 and 50.

FORWARD-REVERSE AND BRAKE PEDAL ADJUSTMENT

The pedal is adjusted at the factory but should you need to readjust, proceed as follows:

1. Put parking brake on with catch in place (see Figure I).

2. Adjust screw in traction pedal extension to dimension shown. (See Figure I.)

3. With the pedals in neutral as in step No. 1, check the adjustment of the clutch control rod and



Figure III

trunnion (Fig. III) to make sure the transmission is in neutral. Proper adjustment is obtained when both the forward and reverse belts are free from the idler pulley. Adjustment is made at the trunnion and rod. (Fig. III)

4. Adjust brake rod and trunnion at brake pedal end so return spring is nearly compressed solid. (See Figure IV.)



Figure IV

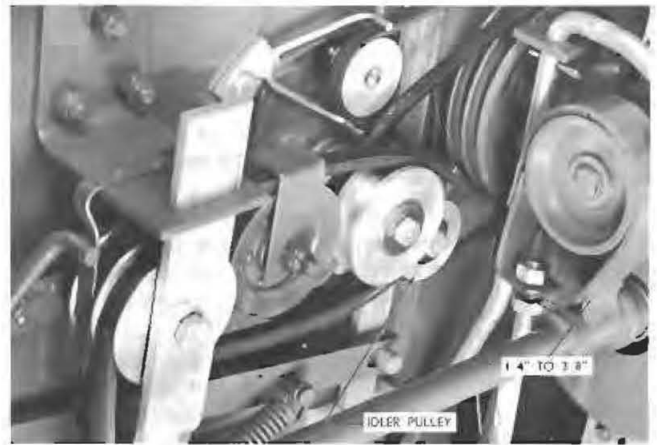


Figure V

5. Adjust the rear nut on the brake rod (Fig. V) until the brake band is tight on the brake drum. Adjust the front lock nut for clearance as shown ($\frac{1}{4}$ " to $\frac{3}{8}$ ") in Fig. V.

6. Release parking brake lever and try the brakes while in motion. When the brake pedal is depressed it in turn pushes the forward-reverse pedal to neutral.

MOWER GEAR CLEARANCE ADJUSTMENT

The proper gear clearance has been pre-set at the factory, and it should not require any adjusting. When replacing a gear or overhauling the unit, the following procedure should be followed for proper gear clearance:

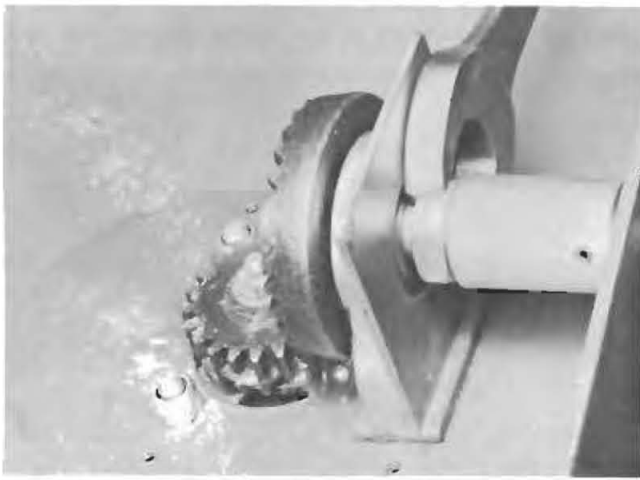


Figure VI

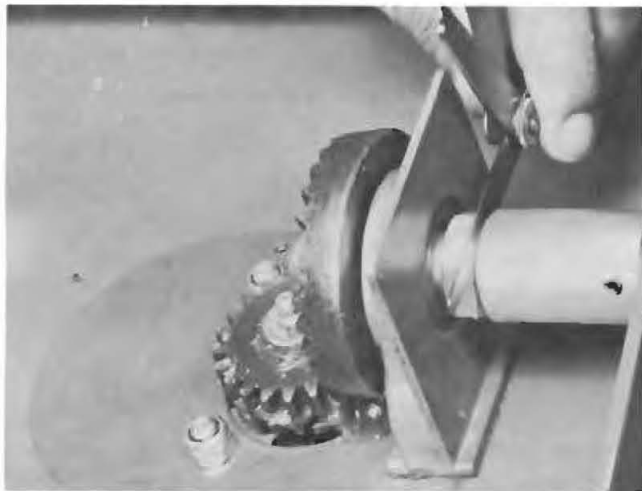


Figure VII

1. Remove the gear covers.
2. Adjust nut with .020" shim placed between the lock nut and coupling until clearance between face gears and spur gears has been removed. (See Figure VI and VII.)

If a feeler gage is not available the .020 clearance can be obtained by lining up a flat or corner of the nut with the spirol pin and back off three corners or three flats, this will equal approximately .020.

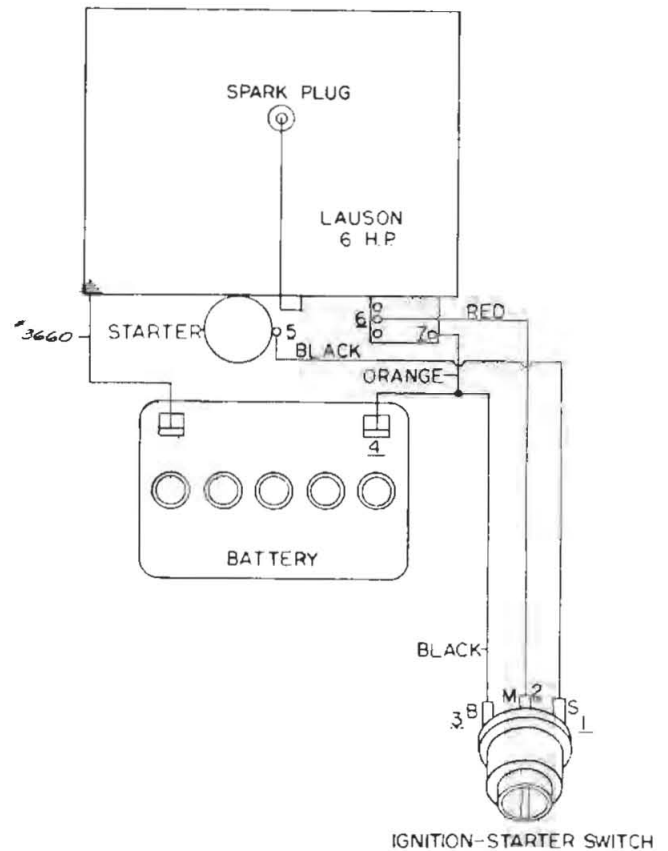
3. Remove the .020" shim and provide equal tooth clearance at both set of gears by tapping on each face gear until the adjusting nut is flush with the coupling. **There should be no clearance between the adjusting nut and the coupling.**

4. Check for proper amount of grease and replace gear covers. Use approximately 1/2 lb. American Oil Co. "Super Permalube" grease or equivalent for each gear set.

MOWER REMOVAL

To remove the mower from the rider proceed as follows:

1. Pull the lift rod pin (Item No. 65 on mower drawing).
2. Remove the clevis pin (Item No. 50) from the yoke.
3. Loosen the mower belt, remove belt, and belt tightener.
4. Pull mower from under rider.



WIRING DIAGRAM

SPECIFICATIONS

MODEL 2-2231...recall starter

MODEL 2-1231...electric starter

(Specifications subject to change without notice.)

Fuel Capacity	2 quarts	
Speeds	Low Range	High Range
Forward	1 to 2 m.p.h.	2 to 4 m.p.h.
Reverse	1/2 to 1 m.p.h.	1 to 2 m.p.h.
Length	52 3/8 inches	
Wheel Base	35 inches	
Height	29 inches	
Cutting Heights	1 3/8 inches to 3/4 inches	
Cutting Width	32 inches	
Tires		
Front	10.5 x 4.50-4 Semi-Pneumatic	
Rear	12.5-4.50 x 6 (Tube Type)	
Outside Turning Radius	5 feet	
Shipping Weight 2-1231	Approx. 334 lbs.	
Shipping Weight 2-2231	Approx. 303 lbs.	

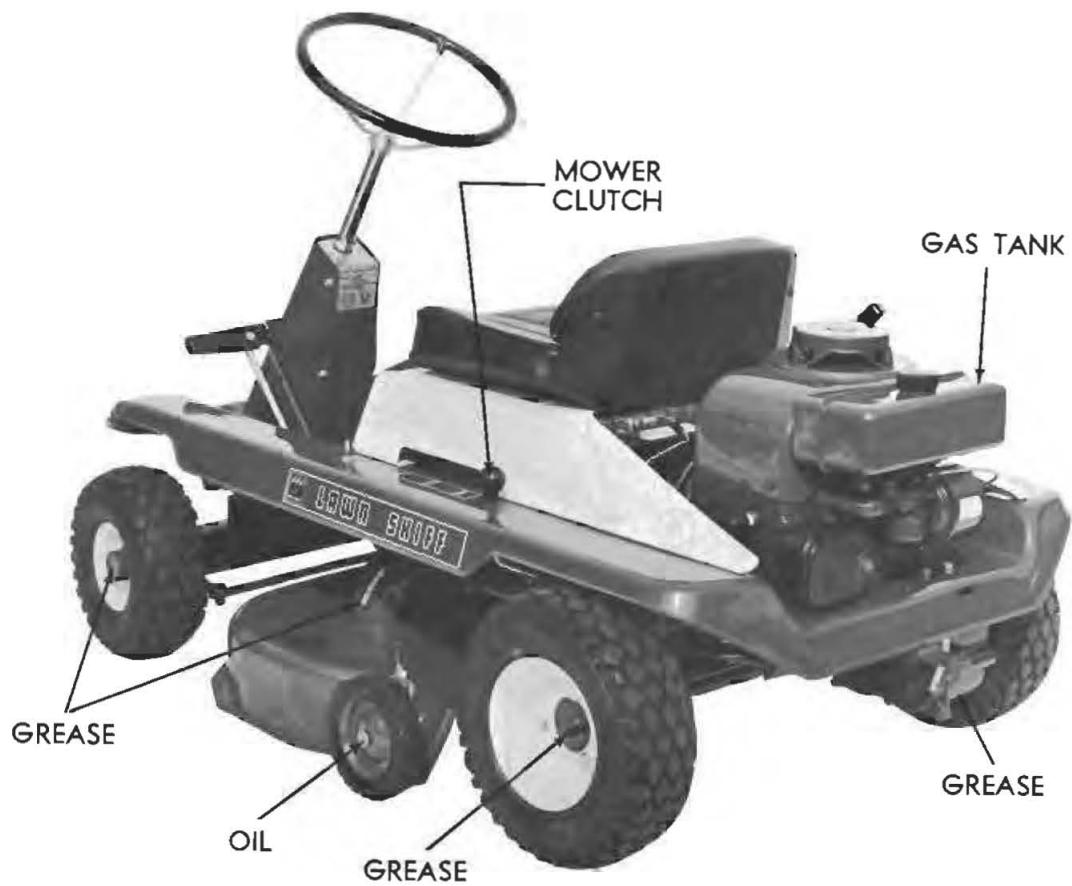
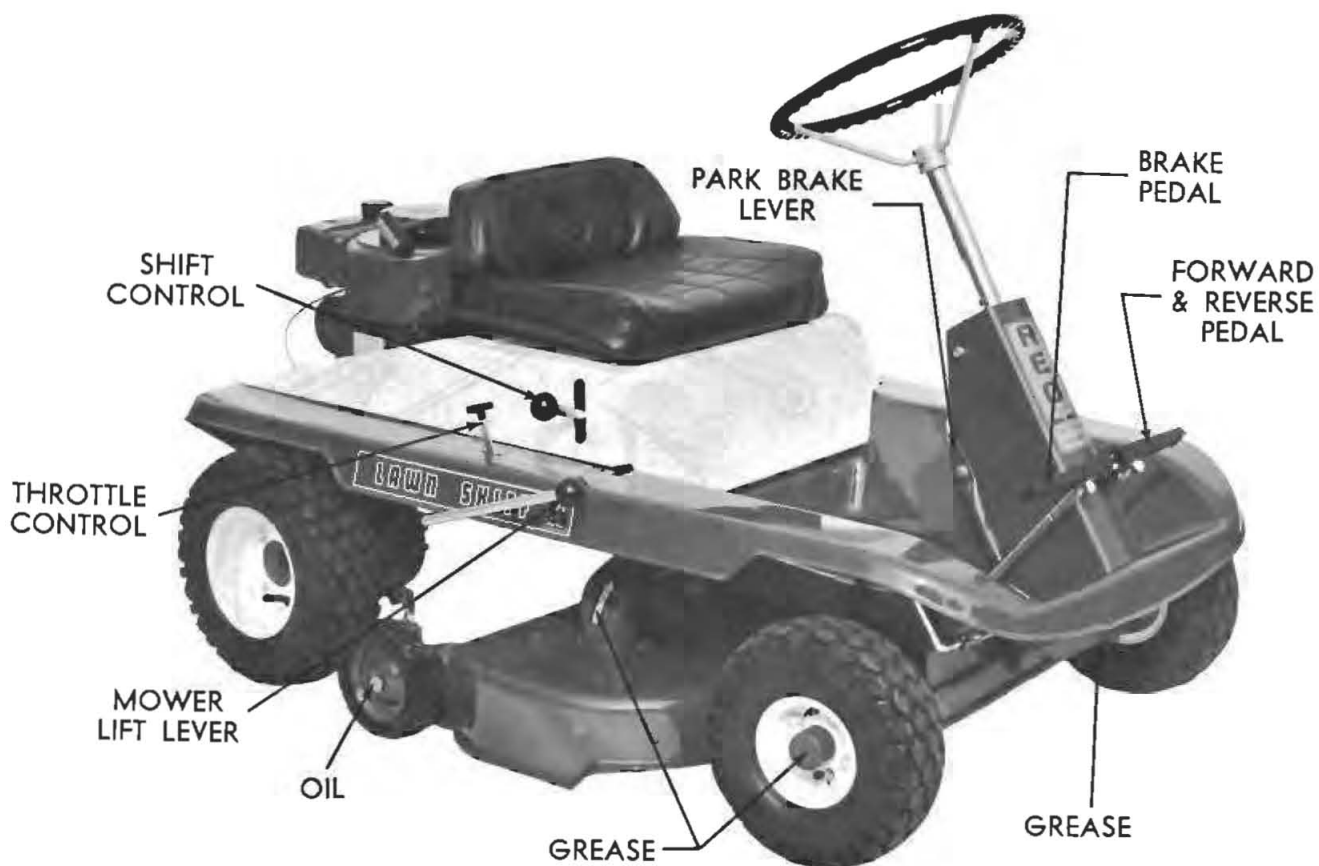
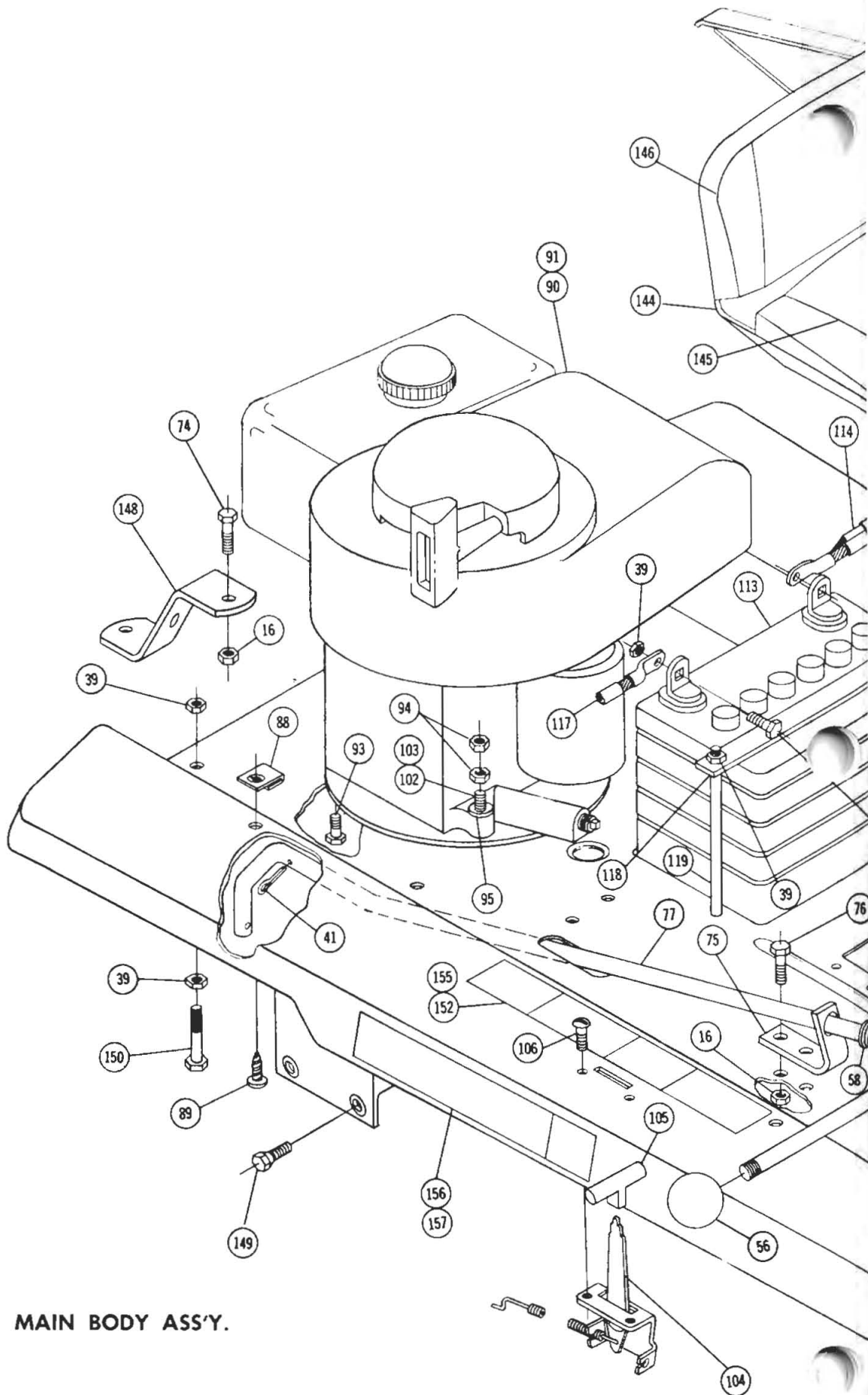
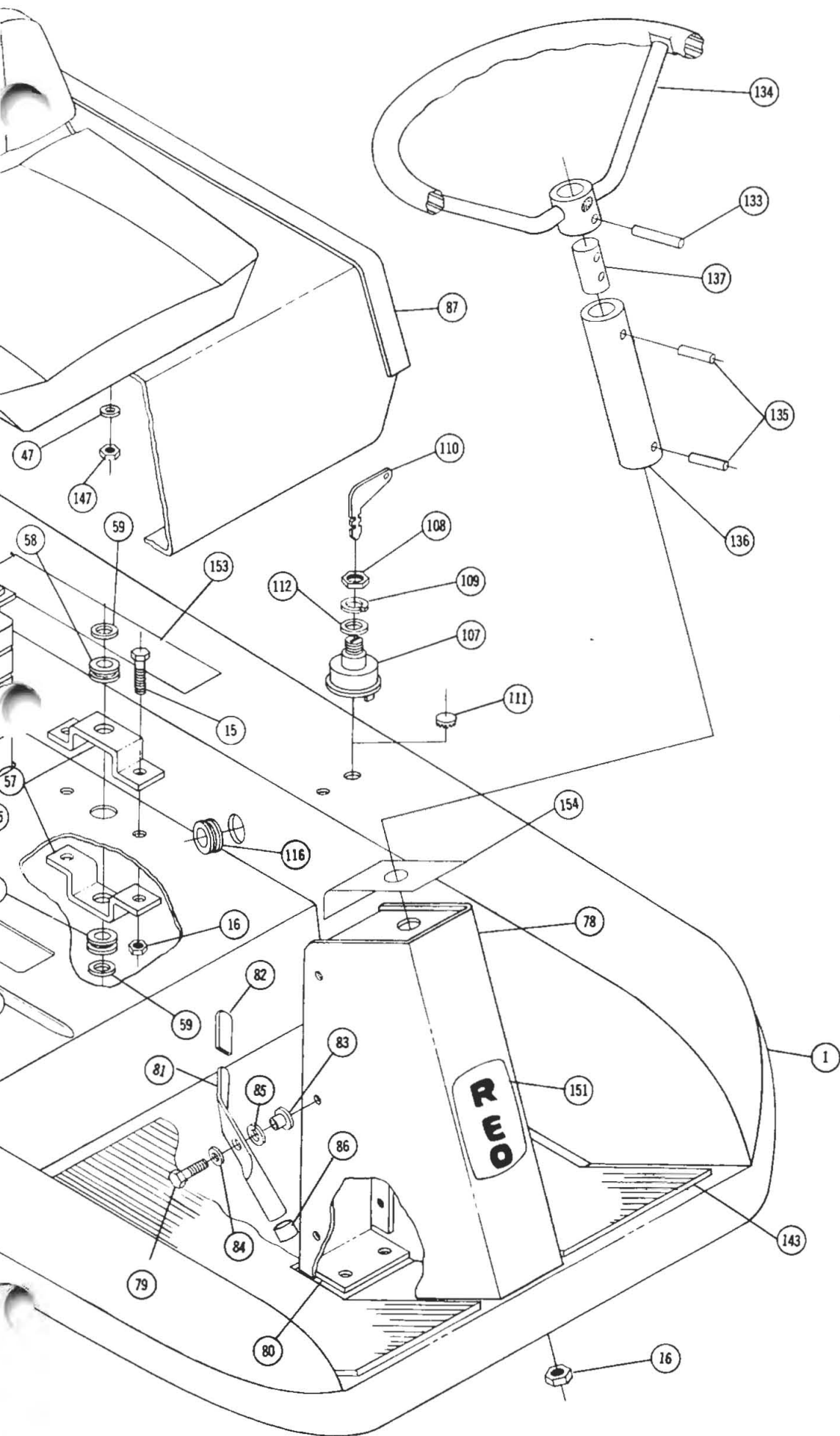


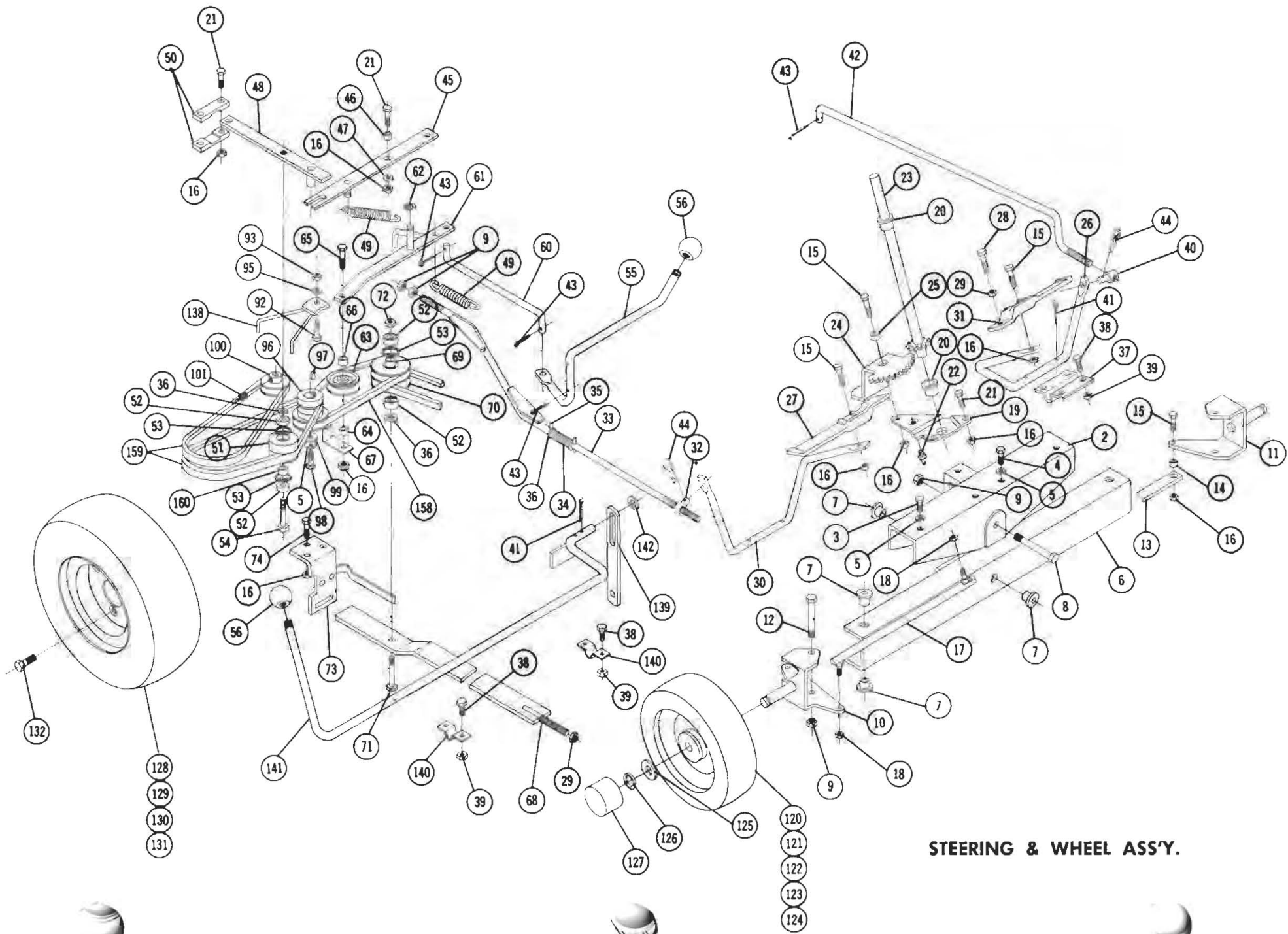
Figure VIII





MAIN BODY ASS'Y.





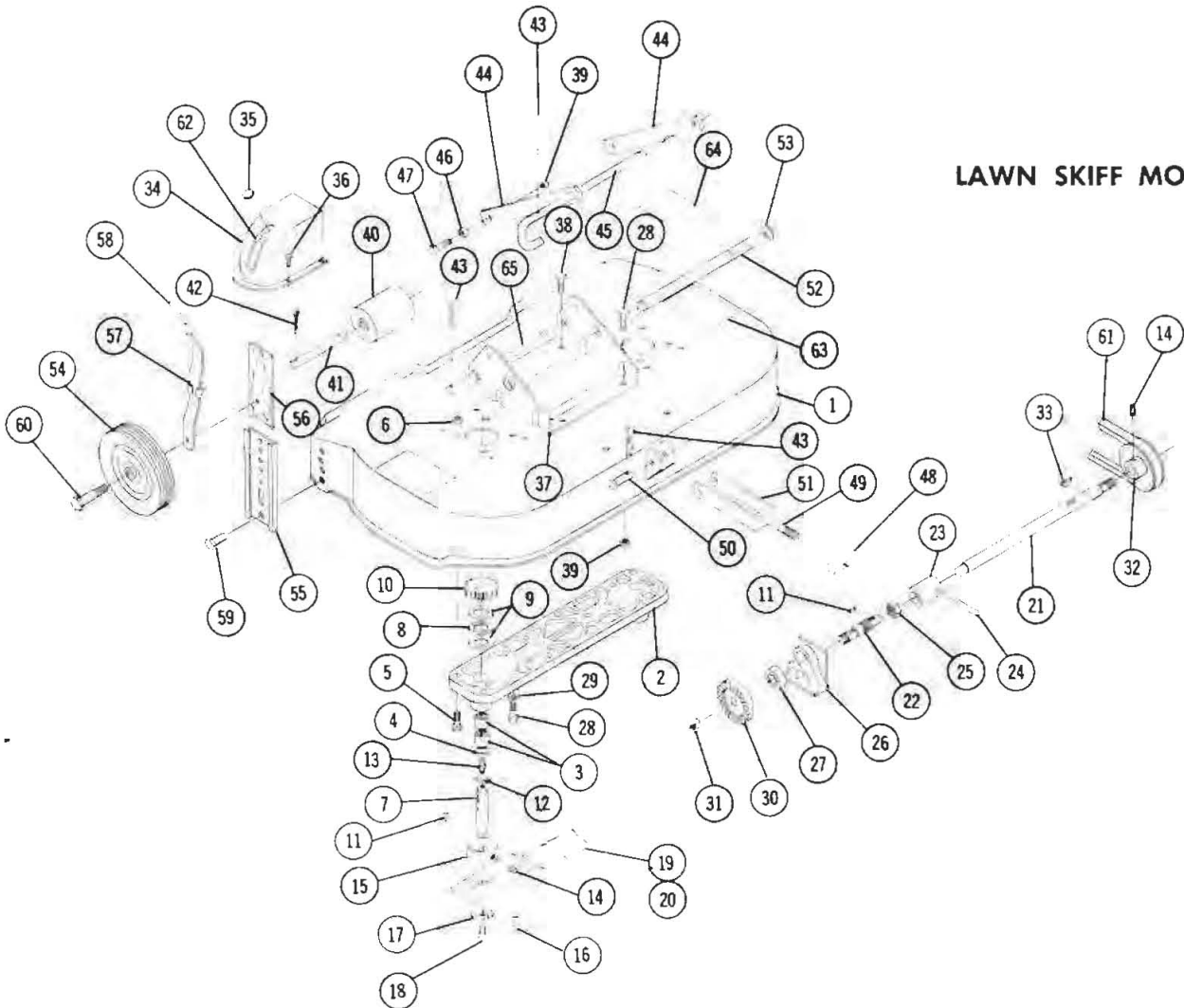
STEERING & WHEEL ASS'Y.

2-2231 (RECOIL) 2-1231 (ELECTRIC) LAWN SKIFF PARTS LIST

When ordering parts always list Part No. and name of Part.

Ref. No.	Part No.	Description	No. Req.	No. Req.	Ref. No.	Part No.	Description	No. Req.	No. Req.
			2-2231 Recoil	2-1231 Electric				2-2231 Recoil	2-1231 Electric
1	7727	Assembly Body	1	1	81	7738	Lever — Parking Brake	1	1
2	5778	Assembly Axle Support	1	1	82	7739	Grip — Parking Brake Lever	1	1
3	908030-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{1}{2}$	3	3	83	7740	Bushing — Lever Mounting	1	1
4	908031-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{5}{8}$	2	2	84	920027-4	Washer — Flat	1	1
5	920083-4	Lockwasher $\frac{3}{8}$ Dia.	6	6	85	MW4405	Washer — Spring	1	1
6	5775	Assembly Axle — Front	1	1	86	7783	Cop — Parking Brake Lever	1	1
7	5840	Bushing	6	6	87	7759	Ass'y. Seat Support	1	1
8	5795	Bolt Hex $\frac{1}{2}$ -13 x 3 (Special)	1	1	88	5834	Speed Nut #14-10	4	4
9	915751-4	Nut Hex $\frac{1}{2}$ -13	5	5	89	911685-4	Screw — Hex Head #14-10 x $\frac{3}{8}$ S.T.	4	4
10	5782	Ass'y. Arm & Spindle R.H.	1	1	90	7787	Assembly Engine — 6 H.P. Recoil	1	0
11	5783	Ass'y. Arm & Spindle L.H.	1	1	91	7786	Assembly Engine — 6 H.P. Electric	0	1
12	5794	Bolt Hex Special $\frac{1}{2}$ -13	2	2	92	908021-4	Bolt Hex $\frac{3}{8}$ -18 x $1\frac{1}{2}$	1	1
13	5796	Drag Link	1	1	93	908016-6	Bolt Hex $\frac{3}{8}$ -18 x $\frac{3}{8}$ Nylok	2	2
14	4937	Spacer	2	2	94	915112-6	Nut — Nylok Hex $\frac{3}{8}$ -18	3	3
15	908034-4	Bolt Hex $\frac{3}{8}$ -16 x 1	7	7	95	920008-4	Washer $\frac{3}{8}$ Dia.	2	2
16	915663-4	Nut Elastic Stop $\frac{3}{8}$ -16	23	23	96	5835	Pulley — Engine	1	1
17	5797	Assembly Ball Joint	1	1	97	937010	Key #6 Woodruff	1	1
18	915001-6	Nut Nylok $\frac{5}{16}$ -24	2	2	98	908182-4	Bolt Hex $\frac{3}{8}$ -24 x $\frac{7}{8}$	1	1
19	5786	Support — Steering Lower	1	1	99	2844	Washer — Special	1	1
20	5409	Bushing Nylon	2	2	100	5836	Pulley — Cam Shaft	1	1
21	908035-4	Bolt Hex $\frac{3}{8}$ -16 x $1\frac{1}{4}$	7	7	101	9098505	Set Screw Hex Soc. $\frac{1}{4}$ -20 x $\frac{3}{8}$	1	1
22	1030	Fitting Grease	1	1	102	908022-4	Bolt Hex $\frac{3}{8}$ -18 x $1\frac{3}{4}$	0	1
23	5787	Ass'y. Shaft Steering	1	1	103	908020-4	Bolt Hex $\frac{3}{8}$ -18 x $1\frac{1}{4}$	1	0
24	5790	Sector — Steering	1	1	104	6160	Ass'y. Control Throttle	1	1
25	5715	Spacer	1	1	105	6161	Knob	1	1
26	7837	Arm Control	1	1	106	908996-4	Screw Round Head #8-32 x $\frac{1}{4}$	2	2
27	7838	Pedal — R.H. Control	1	1	107	7572	Ass'y. Switch — Ignition	0	1
28	908034-4	Bolt Hex $\frac{3}{8}$ -16 x 1	1	1	108	7261	Nut Hex $\frac{3}{8}$ -24 (Special)	0	1
29	915113-4	Nut Hex $\frac{3}{8}$ -16 Jom	2	2	109	920159-4	Lockwasher $\frac{1}{16}$ Dia. Internal	0	1
30	7735	Arm Control	1	1	110	7262	Key — Ignition	0	2
31	7839	Pedal — L.H. Control	1	1	111	3757	Plug Button $\frac{5}{8}$ Hole	1	0
32	7736	Stud — Trunion	1	1	112	920215-4	Washer — Spacer	0	1
33	7737	Rod — Brake	1	1	113	3653	Battery	0	1
34	6330	Spring	1	1	114	6169	Horness	0	1
35	933188	Roll Pin $\frac{3}{16}$ x 1	2	2	115	908002-4	Bolt Hex $\frac{1}{4}$ -20 x $\frac{5}{8}$	0	2
36	920201-4	Washer — Flat	4	4	116	5439	Grommet	0	1
37	5842	Bracket — Pedal	2	2	117	3660	Wire — Ground	0	1
38	908001-4	Bolt Hex $\frac{1}{4}$ -20 x $\frac{1}{2}$	12	12	118	5851	Bar — Battery Clamp	0	1
39	915111-6	Nut Hex $\frac{1}{4}$ -20 Nylok	16	20	119	6173	Hook — Battery Clamp	0	2
40	5791	Stud Trunion	1	1	120	5610	Ass'y. Wheel, Tire & Tube	2	2
41	932017-4	Cotter Pin $\frac{1}{8}$ x 1	6	6	121	3081	Wheel	2	2
42	6666	Rod — Clutch	1	1	122	5611	Tire 10.5 x 4.50-4	2	2
43	932016-4	Cotter Pin $\frac{1}{8}$ x $\frac{3}{4}$	5	5	123	5612	Tube 10.5 x 4.50-4	2	2
44	944505-4	Hairpin Cotter	2	2	124	3092	Bushing	4	4
45	6194	Ass'y. Arm Clutch	1	1	125	1278	Washer	4	4
46	6331	Spacer	1	1	126	5618	"E" Ring $\frac{3}{4}$ Shaft	2	2
47	920009-4	Washer $\frac{3}{8}$ SAE	3	3	127	2816	Hub Cop	2	2
48	6777	Ass'y. Bar — Clutch Idler	1	1	128	5713	Ass'y. Wheel & Tire	2	2
49	1129	Spring	2	2	129	5837	Wheel	2	2
50	5802	Block Nylon	4	4	130	5711	Tire 12.5-4.50 x 6	2	2
51	6775	Pulley — Idler — Forward & Reverse	1	1	131	5712	Tube	2	2
52	6593	Bearing — Ball $\frac{1}{16}$ I.D.	4	4	132	1004	Lug Bolt — Wheel $\frac{7}{16}$ -20	6	6
53	936020	Snap Ring $1\frac{1}{8}$ Internal	4	4	133	933217	Roll Pin $\frac{1}{4}$ x $1\frac{1}{2}$	1	1
54	908048-4	Bolt Hex $\frac{7}{16}$ -14 x $1\frac{1}{2}$	1	1	134	7367	Steering Wheel	1	1
55	6815	Lever — Mower Clutch	1	1	135	933213	Roll Pin $\frac{1}{4}$ x 1	2	2
56	5852	Knob	3	3	136	6673	Hub — Steering Wheel Adapter	1	1
57	5806	Bracket — Clutch Lever	2	2	137	7424	Adapter — Steering Wheel	1	1
58	5807	Grommet — Rubber	3	3	138	6363	Assembly Belt Retainer	1	1
59	920011-4	Washer $\frac{1}{2}$ SAE	2	2	139	6670	Bar Lift	1	1
60	6813	Rod — Mower Clutch	1	1	140	6532	Bracket	2	2
61	6809	Ass'y. Arm — Mower Clutch	1	1	141	6909	Ass'y. Rod — Lift	1	1
62	5701	"E" Ring	1	1	142	MW4327	Washer — Special $\frac{1}{2}$ I.D.	1	1
63	1623	Pulley — Idler $\frac{3}{8}$ Bore	1	1	143	7732	Floormot	1	1
64	1536	Spacer $\frac{3}{8}$ Bore	1	1	144	7018	Ass'y. Seat Base	1	1
65	908039-4	Bolt Hex $\frac{3}{8}$ -16 x $2\frac{1}{4}$	1	1	145	7019	Cushion Seat	1	1
66	6814	Spacer	1	1	146	7020	Cushion Back	1	1
67	6360	Bracket — Belt Guide	1	1	147	915113-6	Nut Hex $\frac{3}{8}$ -16 Nylok	2	2
68	6778	Ass'y. Arm — Belt Adjustment	1	1	148	5838	Bar — Hitch	1	1
69	6595	Spacer — Double Idler Pulley	1	1	149	6352	Bolt — Lug $\frac{3}{8}$ -16 x $\frac{5}{8}$	2	2
70	6776	Pulley — Double Idler	1	1	150	908010-4	Bolt Hex $\frac{1}{4}$ -20 x $2\frac{1}{4}$	2	2
71	908051-4	Bolt Hex $\frac{7}{16}$ -14 x $2\frac{1}{4}$	1	1	151	7845	Decal — Reo Logo	1	1
72	915114-6	Nut — Nylok $\frac{7}{16}$ -14	1	1	152	7846	Decal — Throttle & Mower Lift	0	1
73	7047	Ass'y. Bracket — Guide	1	1	153	7850	Decal — Mower Clutch	1	1
74	908033-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{3}{8}$	5	5	154	7852	Decal — Foot Pedal Instructions	1	1
75	5821	Bracket — Shift	1	1	155	7847	Decal — Throttle & Mower Lift	1	0
76	908032-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{3}{4}$	2	2	156	7848	Decal — Reo Lawn Skiff R.H.	1	1
77	7729	Rod — Shift	1	1	157	7849	Decal — Reo Lawn Skiff L.H.	1	1
78	5824	Ass'y. Cover — Steering Column	1	1	158	6993	"V" Belt	1	1
79	960150-4	Screw — Whizlok $\frac{1}{4}$ -20 x $\frac{3}{8}$	6	6	159	1597	"V" Belt	2	2
80	6669	Support — Steering Column — Upper	1	1	160	4763	Spacer	1	1

LAWN SKIFF MOWER

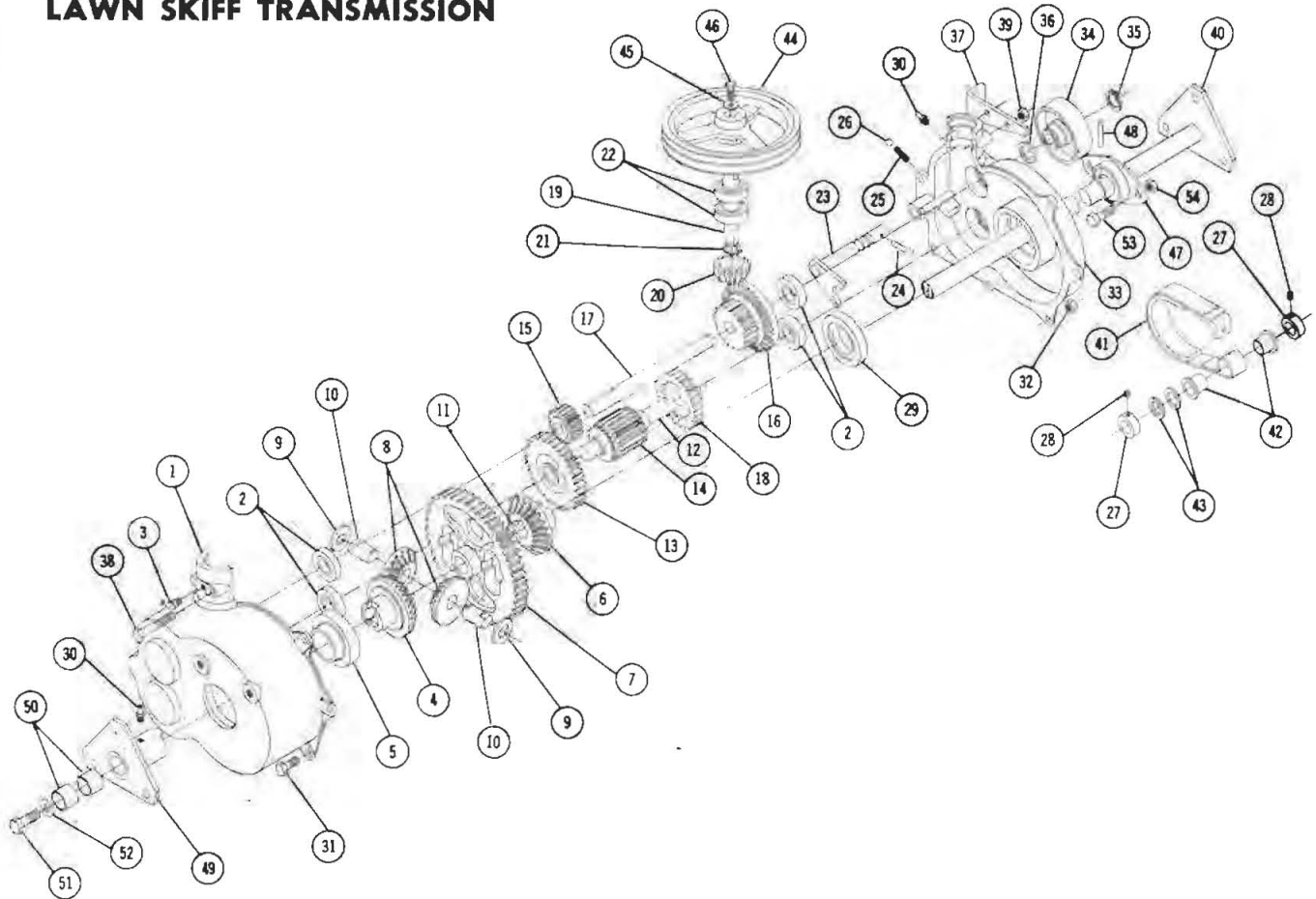


LAWN SKIFF MOWER PARTS LIST

(For Complete Ass'y. Order No. 5-5321)
When ordering parts always list Part No. and Name of Part.

Ref. No.	Part No.	Description	No. Req'd.	Ref. No.	Part No.	Description	No. Req'd.
1	5726	Ass'y. Deck	1	34	3141	Cover — Gear	2
2	7589	Housing	1	35	3757	Plug Button	2
3	1508	Bearing	4	36	1304	Screw Hex #8-32 Self Tap	8
4	1303	Seal	2	37	5736	Hanger	1
5	908019-4	Bolt Hex $\frac{3}{16}$ -18 x 1	4	38	908032-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{3}{4}$	2
6	915112-6	Nut Nylok $\frac{5}{16}$ -18	4	39	915663-4	Nut Elastic Stop $\frac{3}{8}$ -16	6
7	7895	Shaft — Spindle	2	40	5240	Ass'y. Roller	1
8	1534	Bearing — Thrust	2	41	5241	Shaft	1
9	7894	Washer — Thrust	4	42	932017-4	Cotter Pin $\frac{1}{8}$ x 1	2
10	3131	Gear — Spur	2	43	933505-4	Hairpin Cotter	5
11	937084	Key #5 Woodruff	5	44	7673	Link Rear Parallel	2
12	936125	Snap Ring $\frac{3}{4}$ Shaft	2	45	6677	Pin — Rear Link	1
13	1030	Fitting Grease	2	46	4937	Spacer	2
14	909862-5	Set Screw $\frac{5}{16}$ -18 x $\frac{5}{16}$	3	47	908033-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{7}{8}$	2
15	3716	Cup	2	48	6830	Trunion — Front Link	1
16	933211	Roll Pin $\frac{1}{4}$ x $\frac{3}{4}$	4	49	900885-4	Bolt — Square Head $\frac{1}{2}$ -13 x $2\frac{3}{4}$	1
17	1336	Washer Dome	2	50	932965-4	Clevis Pin	1
18	908033-5	Bolt $\frac{3}{8}$ -16 x $\frac{7}{8}$ Nylok	2	51	6831	Clevis	1
19	3718	Blade R.H. 16"	1	52	5735	Shaft — Belt Tightener	1
20	3719	Blade L.H. 16"	1	53	5618	"E" Ring	2
21	7585	Cross Shaft — Long	1	54	2877	Wheel	2
22	7586	Cross Shaft — Short	1	55	7856	Plate — Back	2
23	7587	Coupling	1	56	7857	Slide	2
24	7841	Pin — Spirol $\frac{3}{16}$ x $1\frac{1}{4}$	1	57	7858	Lever — Spring	2
25	7588	Nut Hex Jam $\frac{3}{4}$ -20	1	58	7859	Cap — Red Vinyl	2
26	7590	Housing	2	59	7860	Bolt Hex Special $\frac{3}{16}$	4
27	1515	Ball Bearing	2	60	7853	Bolt — Shoulder	2
28	908035-4	Bolt Hex $\frac{3}{8}$ -16 x $1\frac{1}{4}$	6	61	1596	"V" Belt	1
29	920083-4	Lockwasher $\frac{3}{8}$ Dia.	4	62	3710	Decal — Grease	2
30	7898	Gear	2	63	4570	Decal — Caution	2
31	915639	Nut $\frac{5}{8}$ -18 Elastic Stop	2	64	6163	Decal — Belt Diagram	1
32	1613	Pulley	1	65	6675	Pin	1
33	937159	Key #9 Hi — PRO	1				

LAWN SKIFF TRANSMISSION



LAWN SKIFF TRANSMISSION 5063 PARTS LIST

(For Complete Transmission Order No. 5063)

When ordering parts always list Part No. and name of Part.

Ref. No.	Part No.	Description	No. Req'd.	Ref. No.	Part No.	Description	No. Req'd.
1	5738	Case R.H.	1	28	909848-5	Set Screw 1/4-20 x 1/4 Nylok	2
2	7060	Bearing Ball 5/8 I.D.	4	29	5741	Bearing Ball 1 1/4 I.D.	1
3	1481	Fitting — Grease 45°	1	30	1030	Fitting Grease	2
4	5746	Gear	1	31	908018-4	Bolt Hex 5/16-18 x 7/8	6
5	6639	Bearing Ball 1 1/4 I.D.	1	32	915972-4	Nuts — Keps 5/16-18	6
6	5747	Gear — Axle L.H.	1	33	7743	Case L.H.	1
7	5745	Gear — Final Drive	1	34	7744	Drum — Brake	1
8	5748	Gear — Differential Pinion	2	35	936121	Snap Ring 5/8 External	1
9	5749	Washer — Thrust	2	36	920231	Washer — Felt	1
10	5750	Pin — Differential	2	37	7730	Bracket Shift Rod	1
11	937017	Key #11 Woodruff	1	38	908025-4	Bolt Hex 5/16-18 x 2 1/2	2
12	5751	Shaft — Sliding Gear	1	39	915112-6	Nut Nylok 5/8-18	2
13	5755	Ass'y. — Low Gear	1	40	7731	Ass'y. Axle	1
14	5758	Gear — Sliding	1	41	7741	Ass'y. Brake Band	1
15	6679	Pinion Low	1	42	5409	Bushing — Nylon	2
16	6680	Gear Combination	1	43	920015	Washer — Flat 3/4 SAE	2
17	7742	Shaft — Hi-Low Pinion	1	44	6671	Pulley	1
18	5752	Ass'y. High Gear	1	45	920038-4	Washer 5/16 US	1
19	6681	Shaft — Input	1	46	908016-6	Screw Hex Nylok 5/8-18 x 5/8	1
20	6682	Gear — Pinion — Input	1	47	5770	Ass'y. Bearing — Flanged Ball	1
21	936121	Snapring External	1	48	933171	Roll Pin 5/32 x 1	1
22	6192	Ball Bearing 5/8 I.D.	2	49	5771	Ass'y. Hub & Flange	1
23	5767	Ass'y. Fork — Shift	1	50	1504	Bushing	2
24	933190	Roll Pin 3/16 x 1 1/4	1	51	908032-6	Bolt Hex 3/8-16 x 3/4 Nylok	1
25	6188	Spring	1	52	2844	Washer — Special	1
26	3517	Ball	1	53	908031-4	Bolt Hex 3/8-16 x 5/8	2
27	1085	Collar — Axle	2	54	915113-6	Nut Nylok 5/8-16	2

FOR SAFE OPERATION

With proper care and adjustment, your new Reo Lawn Skiff has been designed to give many years of satisfactory performance.

Preparation for operation and operating hints listed below are recommended for all mowers and approved by the Outdoor Power Institute for safe operation of your mower.

1. Before mowing, clear the entire lawn area to be mowed of all debris that could catch on or be thrown by the blades.

2. When you mow on rough terrain or in high grass or weeds, the mower should be set at the highest cutting point. In tall grass or weeds, a second cutting may be made to bring the grass down to the desired height. Adjust cutting height by raising and lowering wheels on mower.

3. Mowers do not operate well in wet grass. Wet grass has a tendency to build up on mower housing and give non-uniform discharge.

4. Fill gas tank outdoors. Avoid spilling gasoline and **Do Not fill the tank** while engine is running or while you are smoking.

5. While mowing, give undivided attention to the job at hand, keep the cutting path in area of

operation clear of all persons, particularly small children.

6. Never leave engine running unattended, children could get hurt.

7. Don't overspeed the engine. Excessive cutting speed or tampering with governor can be dangerous.

8. Exercise special care when mowing around objects to prevent the blades from striking them, and never deliberately mow over any object.

9. **Stop mowing when another person approaches** — prohibit others from riding with you on your Riding Mower.

10. Riding mowers can be tipped to either back or side. Exercise extreme caution when mowing on slopes or inclines. Engage clutch slowly and smoothly. Never abuse your mower by improper handling.

11. Never adjust mower until engine has been turned off.

12. If your Lawn Skiff is to be used for purposes other than mowing place mower clutch in disengaged position, stop engine, and remove the belt in the bottom groove of the engine pulley.

Never allow children to operate this unit.

OWNERS MAINTENANCE RECORD

OIL CHANGES

DATE _____

TYPE & KIND OF OIL _____

DATE _____

GREASE JOBS _____

TUNE UPS

DATE _____

PARTS REPLACED _____

BATTERY SERVICE

DATE _____

SERVICE REQUIRED _____

MISCELLANEOUS

DATE _____



Service Bulletin

18

March 1968

ENGINE CROSS REFERENCE

The information below provides the engine manufacturers model number for the engines used on 1968 model Reo equipment. Note !! For information on earlier models, refer to Reo Service Bulletins #3 and #9.

Reo Model No.

Lauson Model No.

LCP-2147	Regal IV	LAV 35-40127G
LCP-2147-1	Regal IV	LAV 35-40127G
LC- 2147	Custom IV	LAV 35-40126G
LL- 217	Reel Royal	H 25-25100F
4-2631	26" Snow Thrower	H 60-75179G
4-2632	26" Trailblazer	H 60-75179G
4-1031	20" Pathfinder	H 35-45176F
2-1231	Lawn Skiff Elec.	V 60-70067G
2-2231	Lawn Skiff Recoil	V 60-70066G

ASK/blm

Atwood S. Kidder
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Customer Relations Manager

Wheel Horse Service Bulletins 1961 - 1990: **#329** Issued: March 1982

Replacement Cross-Shaft for 1968 Mower

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Models 5-1361, 5-2321, 5-2361, 5-4321, & Mower

supplied with 2-1231, 2-2231

To All Dealers:

1. Subject

1.1 The cross-shaft (gear-driven spindle) mowers listed above use a 3-piece drive shaft, with one long shaft and one short shaft joined by a coupler. Some confusion has resulted due to the substitution of a single-piece shaft for two of these mowers.

2. Service Action

2.1 The following table lists the mower, original cross-shaft parts, and the current or possible replacement shaft part number.

2.2 The important point to note is that if a single-piece shaft is being used, the other two parts of the 3-piece construction are not required and should be discarded.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO 1	MECHANIC NO 2	MECHANIC NO 3	MECHANIC NO 4	RETURN THIS TO
INITIAL HERE									

MOWER	ORIGINAL 3-PIECE SHAFT	REPLACEMENT 1-PIECE SHAFT
5-2321, 2-1231, 2-2231	7585 Long Shaft 7586 Short Shaft 7587 Coupler	3715, Note 1 Note 2 Note 2
5-1361, 5-2361	7584 Long Shaft 7586 Short Shaft 7587 Coupler	4112, Note 3 Note 2 Note 2
5-4321	7804 Long Shaft 7586 Short Shaft 7587 Coupler	Note 4 Note 2 Note 2

Note 1-This shaft is presently being substituted for 7585, which is no longer available.

Note 2-When shown as no longer available in price list, single-piece shaft 3715 or 4112 can be used to replace, as applicable.

Note 3-This shaft will be substituted automatically when supply of 7584 shaft is exhausted.

Note 4-Shaft 7804 is no longer available, and there is no direct substitute. Single-piece shaft 3715 can be used if a keyway is milled for a #9 woodruff key, 4.850-4.880 inches back from the edge of "shoulder" near one end of shaft.

