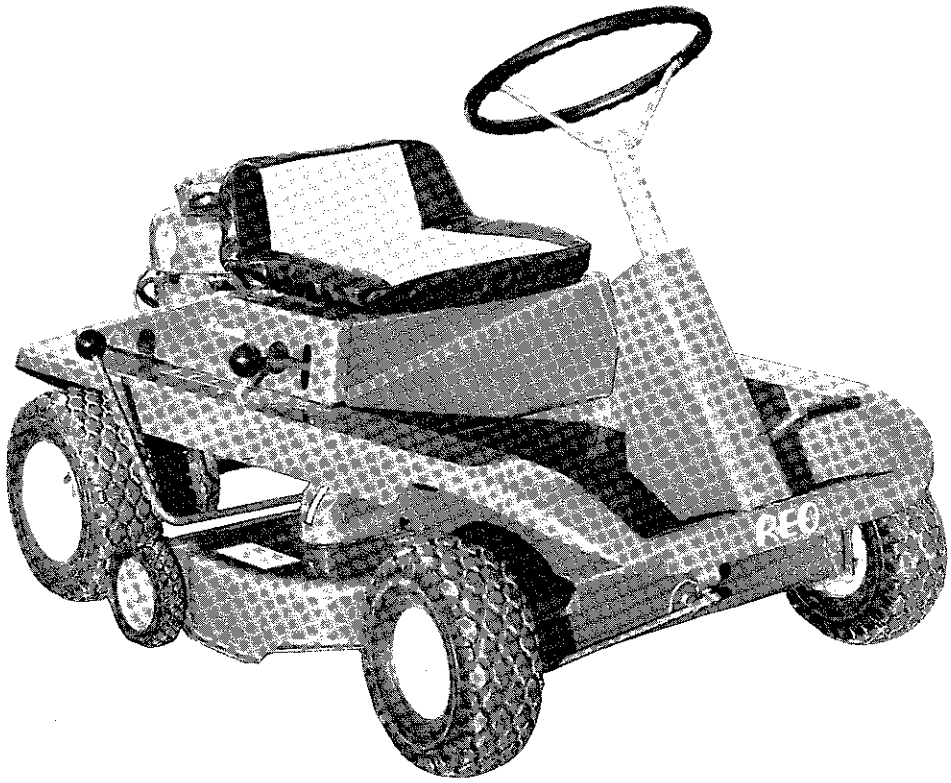
REO
Lawn Skiff

models

RR-65, RE-65

Riding Rotary Mower



OPERATION AND SERVICE MANUAL WITH PARTS LIST

REO by Wheel Horse®

WHEEL-HORSE PRODUCTS, INC. SOUTH BEND, IND.

ASSEMBLY

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

A. Remove unit from carton.

B. Install steering wheel on steering shaft and secure with 2 Roll Pins, Part No. 933217.

WARRANTY

We warrant Wheel Horse Products for One Year from date of purchase against defective parts and workmanship. We will replace, free of charge, any defective part if returned to the factory Prepaid.* Wheel Horse Praducts, Inc., reserves the right to make changes or improvements upon it's products without imposing any obligations upon itself to install the same upon its products that have been previously manufactured.

The engine and battery carry a separate warranty by the manufacturers. For engine or battery service, contact your local engine or battery service headquarters.

*All warranty claims, work, shipments, must be handled through your authorized Wheel Horse Reo Dealer.

NOTE: 90 Days Warranty for Commercial Use.

BEFORE YOU START

There is **NO OIL** in the crankcose of the engine when shipped from the factory. **OIL** . . . Use a good grade of regular oil. The engine 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 type of lubrication specified. The engine is the heart of your riding mower and it is very impartant that you keep it in good condition.

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 **1** 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.

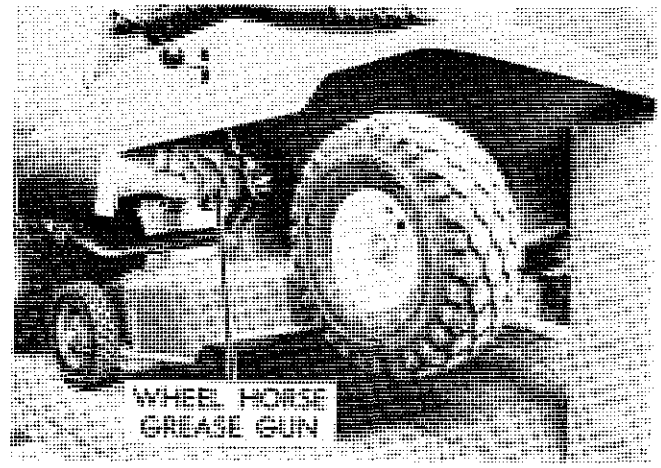


PHOTO A

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 averoge 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. See photo (A). 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 odded with the gun lifted off the spindle fitting to lubricate the gears. Regular pressure gun grease is used

BATTERY

The battery installed in the RE-65 Lawn Skiff is o 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 front tires are 4.50-4 pnuematic and the rear tires are 4.50-6 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 1.

2 Place gear shift lever in neutral position.

3. Make sure mower clutch is disengaged.

4. Move throttle lever to choke position.

5. A. The Model RE-65 has a key starter-switch. Turn key all the way to the right to start engine.

B. The Model RR-65 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.

6. 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.

The clutch-reverse pedal can be used as a brake in operation by pressing it down to where it begins to engage reverse. To shift to reverse when travelling at full speed forward firmly, but slowly push the pedal down as far as it will go

PARKING BRAKE

The parking brake is located on the left side of the Lawn Skiff. See Figure 1

To set the parking brake push the brake lever down as far as possible. This locks the left rear wheel

To release, lift lever as far as possible

This brake can be used in an emergency when the mower is in motion by quickly pushing the lever down.

CARE OF THE LAWN SKIFF

1. Keep Lawn Skiff greased and oiled regularly. Refer to Figure 1 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. Clutch-Reverse Adjustment: If the clutch-reverse pedal bottoms out on the mower body before reverse is fully engaged an adjustment can be made at the trunnion located just inside the left front wheel. Remove the cotter pin from the trunnian and turn trunnion farther onto the rod extending to the rear. This adjustment should be such that the pedal cannot be depressed all the way down to the mower body. Reinstall trunnion and cotter pin when proper adjustment has been attained.

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

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

9. 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

10. 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 in line.)

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

MOWER BELT ADJUSTMENT

12. 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.

13. Make sure that wire fingers retaining the belt on the engine reverse pulley are as close to the belt as permissable without rubbing.

14. 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 1/8" below the tips of the blades at the rear. This can be adjusted by removing the pin from the front mower support link, Part No. 5737 and adjusting the link in or out of the threaded trunnion as required.

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 ond approved by the Outdoor Power Institute for safe operation of your mower.

1. Before mowing, clear the entire lawn areo 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 upon mower housing ond 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 ottention to the job at hand, keep the cutting poth in area of operation clear of all persons, particularly smoll children.

6. Never leave engine running unottended Remove key when not in use — children could get hurt.

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

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

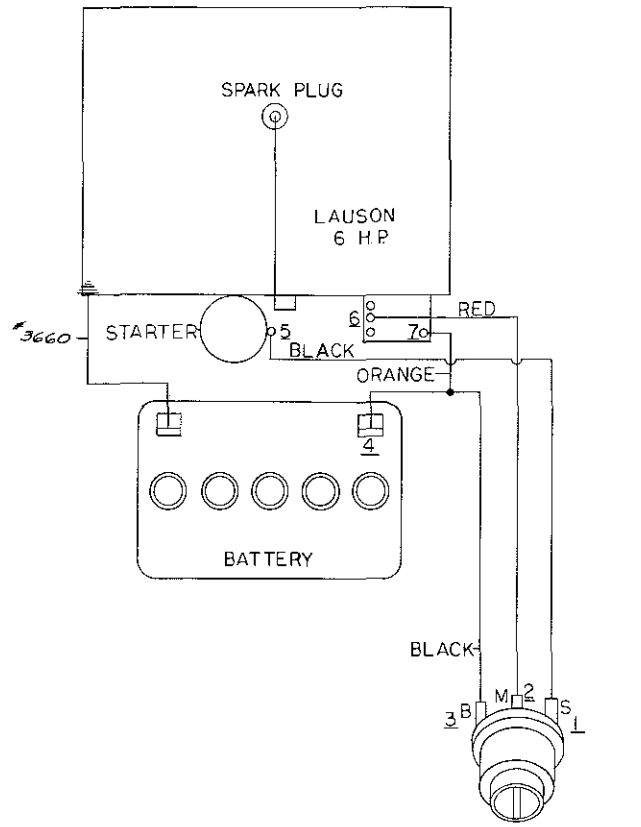
9. **Stop mowing when another person approaches** — prohibit others from riding with you on your Riding Mower.

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

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

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

Never allow children to operate unless you have removed this belt to prevent their accidentolly engaging mower.



Wiring for Model RE-65

SPECIFICATIONS

MODEL RR-65 . . recoil starter
MODEL RE-65 . . electric starter

(Specifications subject to change without notice.)

Engine		6 H.P.
Fuel Capacity		2 quarts
Speeds	**Low Range**	**High Range**
Forward	1 to 2 m.p.h.	2 to 4 m.p.h.
Reverse	½ to 1 m.p.h.	1 to 2 m.p.h.
Length		52⅜ inches
Wheel Base		35 inches
Width		33½ inches
Height		29 inches
Cutting Heights		1⅜ inches to 3¼ inches
Cutting Width		32 inches
Tires		
Front		10.5—4.50 x 4 (tube type)
Rear		12.5—4.50 x 6 (tube type)
Outside Turning Radius		5 feet
Shipping Weight		Approx 250 lbs.

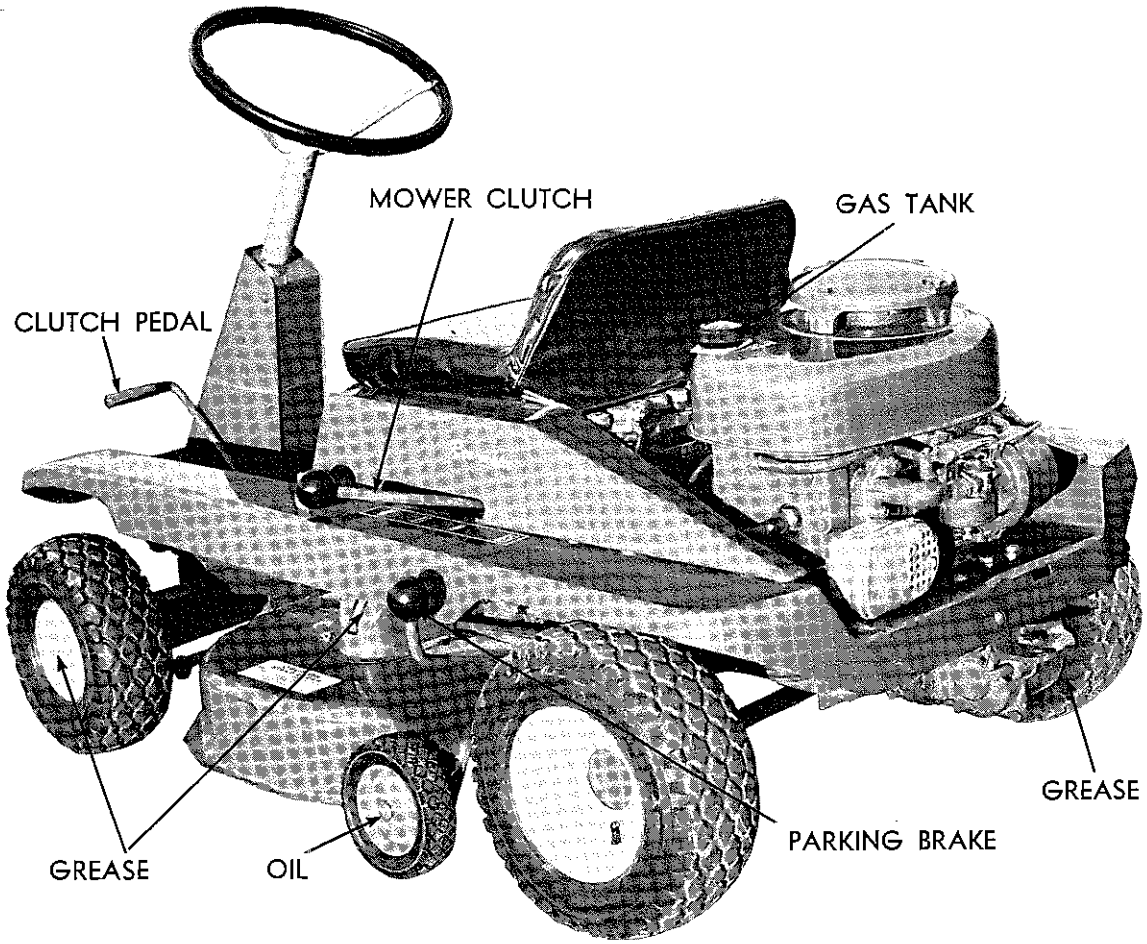
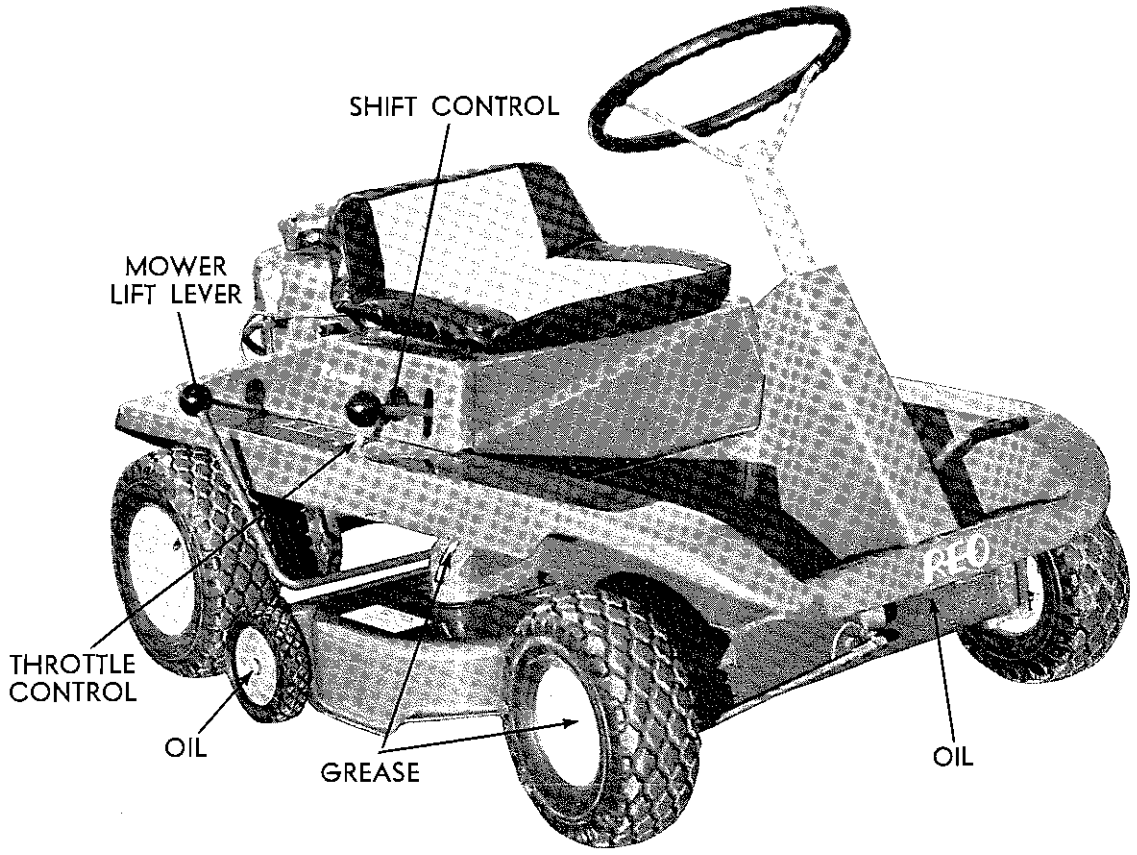
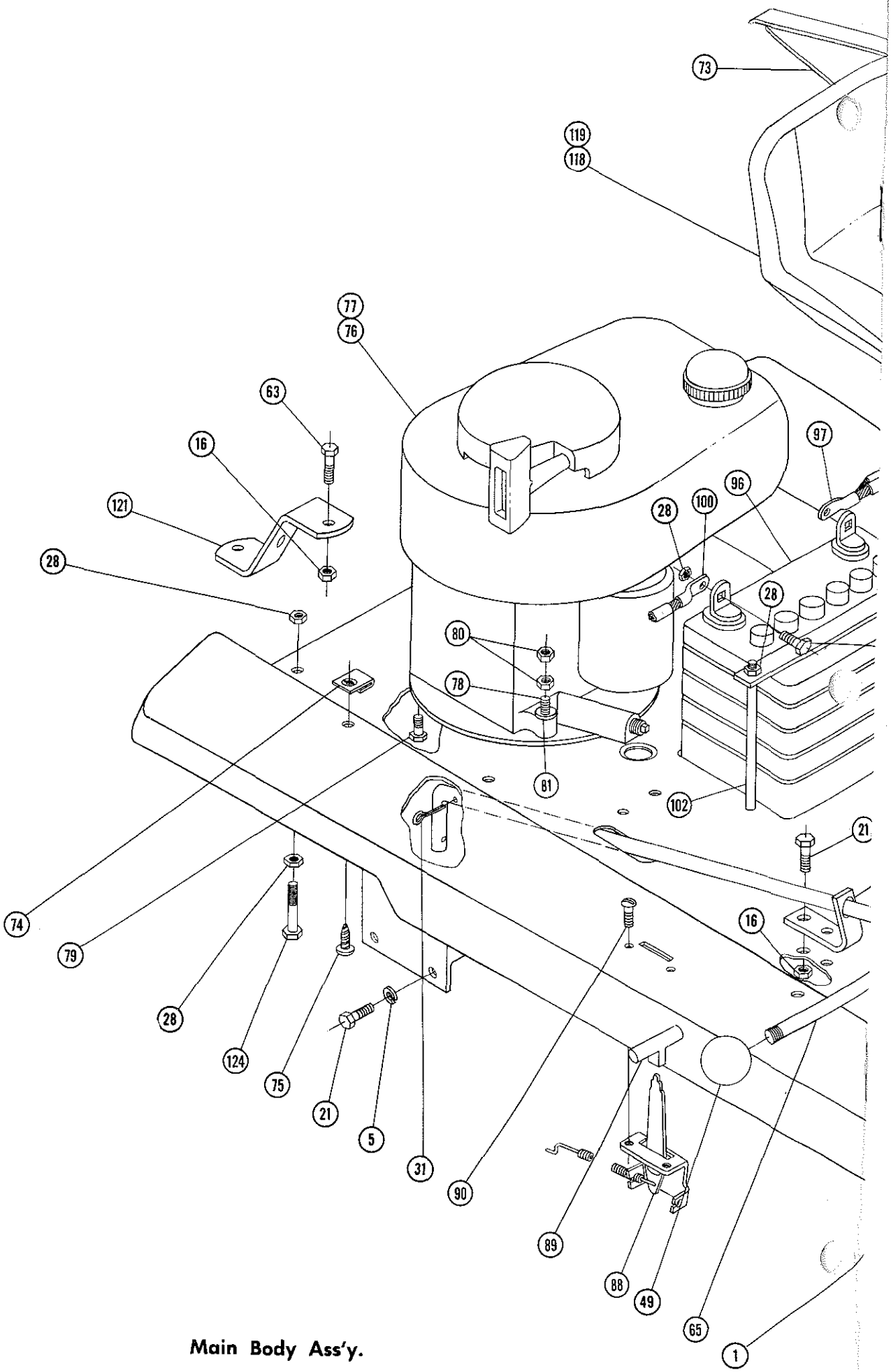
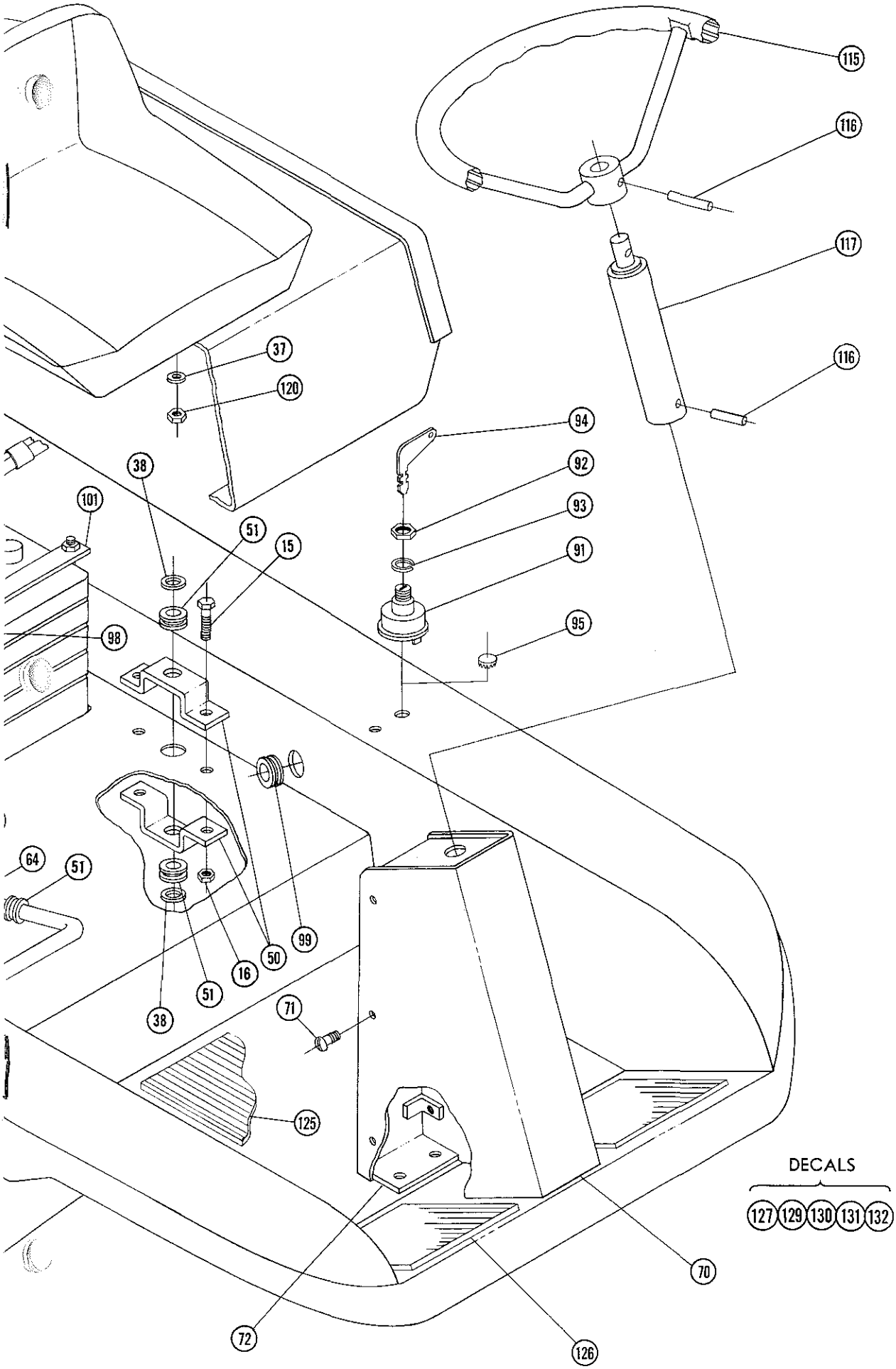

MOWER CLUTCH
GAS TANK
CLUTCH PEDAL
GREASE
PARKING BRAKE
GREASE
OIL

Figure 1


SHIFT CONTROL
MOWER
LIFT LEVER
THROTTLE
CONTROL
OIL
GREASE
OIL



Main Body Ass'y.



DECALS

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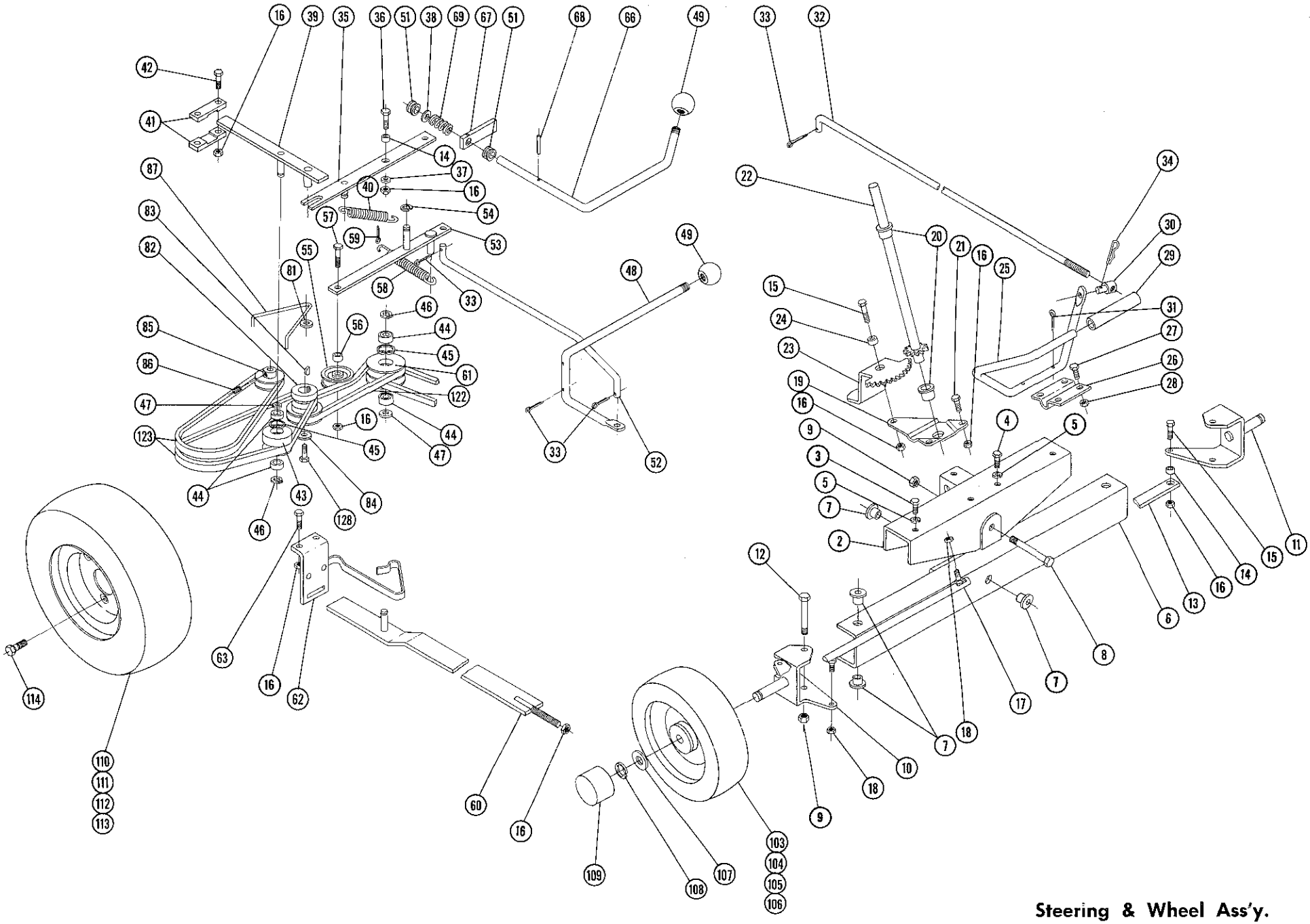
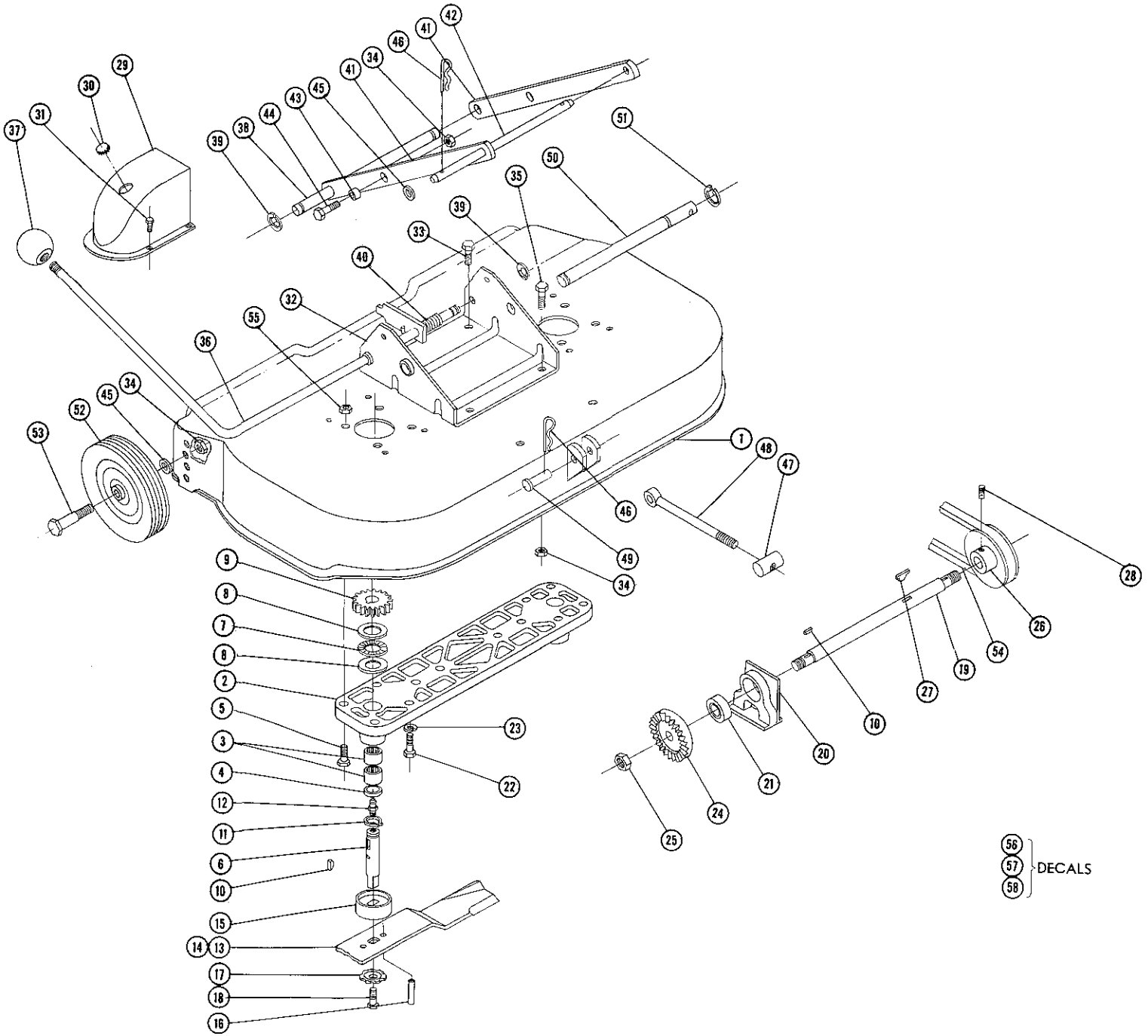


Steering & Wheel Ass'y.

RR-65 & RE-65 LAWN SKIFF PARTS LIST

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

Ref No.	Part No.	Description	No. Req'd.
1	5843	Ass'y. Body	1
2	5778	Ass'y Axle Support	1
3	908030-4	Bolt Hex 3/8-16 x 1/2	3
4	908031-4	Bolt Hex. 3/8-16 x 5/8	2
5	920083-4	Lockwosher 3/8 Dia	8
6	5775	Ass'y Axle — Front	1
7	5840	Bushing	6
8	5795	Bolt Hex 1/2-13 x 3 (Special)	1
9	915751-4	Nut Hex. 1/2-13	3
10	5782	Ass'y Arm & Spindle R H.	1
11	5783	Ass'y Arm & Spindle L H	1
12	5794	Bolt Hex. Special 1/2-13	2
13	5796	Drag Link	1
14	4937	Spacer	3
15	908034-4	Bolt Hex. 3/8-16 x 1	5
16	915663	Nut 3/8-16 Elastic Stop	20
17	5797	Ass'y. Ball Joint	1
18	915001-6	Nut 5/16-24 Nylok	2
19	5786	Support — Steering	1
20	1539	Bushing — Nylok	2
21	908032-4	Bolt Hex. 3/8-16 x 3/4	6
22	5787	Ass'y Shoft — Steering	1
23	5790	Sector — Steering	1
24	5715	Spacer	1
25	5841	Pedal — Reverse Clutch	1
26	5842	Brocket — Pedal	1
27	908001-4	Bolt Hex 1/4-20 x 1/2	4
28	915111-6	Nut Hex 1/4-20 Elastic Stop	12
29	4569	Tube — Rubber — Pedal	1
30	5791	Stud — Trunion	1
31	932017-4	Cotter Pin 1/8 x 1	3
32	5792	Rod — Clutch	1
33	932016-4	Cotter Pin 1/8 x 3/4	5
34	933505	Hair Pin	1
35	6194	Ass'y Arm — Clutch	1
36	908035-4	Bolt Hex. 3/8-16 x 1 1/4	1
37	920009-4	Washer 3/8 SAE	3
38	920011-4	Washer 1/2 Dia.	3
39	5798	Ass'y. Bar — Clutch Idler	1
40	1129	Spring	1
41	5802	Block — Nylon	4
42	908036-4	Bolt Hex 3/8-16 x 1 1/2	4
43	5803	Pulley Idler — Forward & Reverse	1
44	5804	Bearing — Boll 7/16 I D	4
45	936015	Snap Ring 29/32 Internal	4
46	936115	Snap Ring 7/16 External	2
47	920201-4	Washer	2
48	5805	Lever — Mower Clutch	1
49	5852	Knob	3
50	5806	Brocket — Clutch Lever	2
51	5807	Grommet Rubber	5
52	5808	Rod — Mower Clutch	1
53	5809	Ass'y Arm — Mower Clutch	1
54	5701	"E' Ring 1/2 Dia.	1
55	MW8821	Pulley — Idler 3/8 Bore	1
56	2138	Spocer 3/8 Bore	1
57	908038-4	Bolt Hex. 3/8-16 x 2	1
58	5185	Spring	1
59	932015-4	Cotter Pin 1/8 x 1/2	1
60	5813	Ass'y Arm — Belt Adjustment	1
61	5817	Pulley — Double Idler	1
62	5818	Ass'y. Bracket — Guide	1
63	908033-4	Bolt Hex 3/8-16 x 7/8	4
64	5821	Brocket — Shift	1
65	5822	Rod — Shift	1
66	5848	Rod — Brake	1
67	MW10337	Bar — Brake	1
68	933188	Roll Pin 3/16 x 1	1
69	6330	Spring — Compression	1
70	5824	Ass'y. Cover — Steering Column	1
71	1391	Screw Round Hd Sems 1/4-20 x 3/8	6
72	5827	Ass'y. Steering Support	1
73	5830	Ass'y Seot Support	1
74	5834	Speed Nut	4
75	926251-4	Screw Round Hd. — Self Tap	4
76	5697	Ass'y. Engine 6 H P Recoil	1
77	5698	Ass'y. Engine 6 H.P Electric	1
78	908021-4	Bolt Hex. 5/16-18 x 1 1/2	2
79	908016-6	Bolt Hex 5/16-18 x 5/8 Nylok	2
80	915112-6	Nut 5/16-18 Nylok	3
81	920008-4	Washer 5/16 Dia	3
82	5835	Pulley Engine	1
83	937010	Key #6 Woodruff	1
84	2844	Washer — Special	1
85	5836	Pulley — Camshaft	1
86	909850-6	Set Screw Hex Socket 1/4-20 x 3/8	1
87	6162	Retainer — Belt	1
88	6160	Ass'y. Control — Throttle	1
89	6161	Knob	1
90	908996-4	Screw Round Hd #8-32 x 1/4	2
91	4987	Ass'y. Switch — Ignition	1
92	4882	Nut Hex. 5/8-32	1
93	4881	Lockwasher 5/8 Dia	1
94	4989	Key — Ignition	2
95	3757	Plug Button 5/8 Hole	1
96	3653	Bottery	1
97	6169	Harness	1
98	908002-4	Bolt Hex. 1/4-20 x 5/8	2
99	5439	Grommet	1
100	3660	Wire — Ground	1
101	5851	Bor — Battery Clamp	1
102	6173	Hook — Battery Clamp	2
103	5610	Ass'y Wheel Tire & Tube	2
104	3081	Wheel	2
105	5611	Tire 10 5 x 4.50-4	2
106	5612	Tube	2
107	1278	Wosher	2
108	5618	"E" Ring 3/4 Shaft	2
109	2816	Hub Cap	2
110	5713	Ass'y. Wheel & Tire	2
111	5837	Wheel	2
112	5711	Tire	2
113	5712	Tube	2
114	1004	Lug Bolt — Wheel	6
115	5558	Wheel — Steering	1
116	933217	Roll Pin 1/4-1 1/2	2
117	6172	Hub — Steeriing Wheel Adapter	1
118	5557	Base — Seat	1
119	5556	Cushion — Seat	1
120	915113-6	Nut Hex. 3/8-16 Nylok	2
121	5838	Bar — Hitch	1
122	1598	"V" Belt 4L x 22"	1
123	1597	"V" Belt 3L x 25"	2
124	908010-4	Bolt Hex. 1/4-20 x 2 1/4	2
125	6206	Floor Mat — Rear	1
126	6207	Floor Mat — Front	2
127	6151	Decol — Reo Logo	1
128	908182-4	Bolt Hex. 3/8-24 x 7/8	1
129	6202	Decal — Reomotic	1
130	6203	Decal — Mower Lift	1
131	6204	Decal — Mower Clutch	1
132	6205	Decol — Shift Pattern	1


DECALS

LAWN SKIFF MOWER PARTS LIST

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

Ref. No.	Part No.	Description	No Req'd.
1	5726	Ass'y. Deck	1
2	5233	Housing	1
3	1508	Beoring	4
4	1303	Seol — Oil	2
5	908017-4	Bolt — Hex 5/16-18 x 3/4	4
6	3724	Shaft — Spindle	2
7	1534	Bearing — Thrust	2
8	1535	Washer — Thrust	4
9	3131	Gear — Spur	2
10	937084	Key #5 Woodruff	4
11	936125	Snap Ring 3/4 Shoft	2
12	1030	Fitting — Greose	2
13	3718	Blade R.H. 16"	1
14	3719	Blade L.H. 16"	1
15	3716	Cup	2
16	933211	Roll Pin 1/4 x 3/4	4
17	1336	Washer — Dome	2
18	908033-6	Bolt 3/8-16 x 7/8 Nylok	2
19	3155	Shaft — Cross	1
20	3138	Housing	2
21	1515	Bearing — Ball	2
22	908034-4	Bolt Hex 3/8-16 x 1	4
23	920083-4	Lockwasher 3/8 Dia	4
24	3130	Gear	2
25	915639-4	Nut 5/8-18 Elastic Stop	2
26	1613	Pulley	1
27	937159	Key #9 Hi-Pro	1
28	909862-6	Set Screw 5/16-18 x 5/16 Nylok	1
29	3141	Cover — Gear	2

Ref. No.	Part No.	Description	No. Req'd.
30	3757	Plug Button	2
31	1304	Screw Hex #8-32 Self Tap	8
32	5736	Hanger	1
33	908032-4	Bolt Hex 3/8-16 x 3/4	2
34	915663-4	Nut 3/8-16 Elastic Stop	8
35	908035-4	Bolt Hex 3/8-16 x 1 1/4	2
36	5728	Ass'y. Lift Lever	1
37	5852	Knob	1
38	5731	Rod Lift	1
39	5701	"E" Ring	4
40	MW-10292	Spring — Torsion	1
41	5732	Link — Rear Parallel	2
42	5733	Pin — Reor Link	1
43	4937	Spacer	2
44	908033-4	Bolt Hex 3/8-16 x 7/8	2
45	920009-4	Washer 3/8 S.A.E.	4
46	933505	Hairpin	3
47	5734	Trunion — Front Link	1
48	5737	Eye Bolt	1
49	932964-4	Pin — Clevis	1
50	5735	Shaft — Belt Tightener	1
51	5618	"E" Ring	2
52	2877	Wheel	2
53	5188	Bolt — Shoulder	2
54	1596	"V" Belt 51" 4 L	1
55	915112-6	Nut 5/16-18 Nylok	4
56	3710	Decal — Grease	2
57	4148	Decal — Caution	2
58	6163	Decal — Belt Diagram	1

OWNERS MAINTENANCE RECORD

OIL CHANGES

DATE_____ TYPE & KIND OF OIL_____

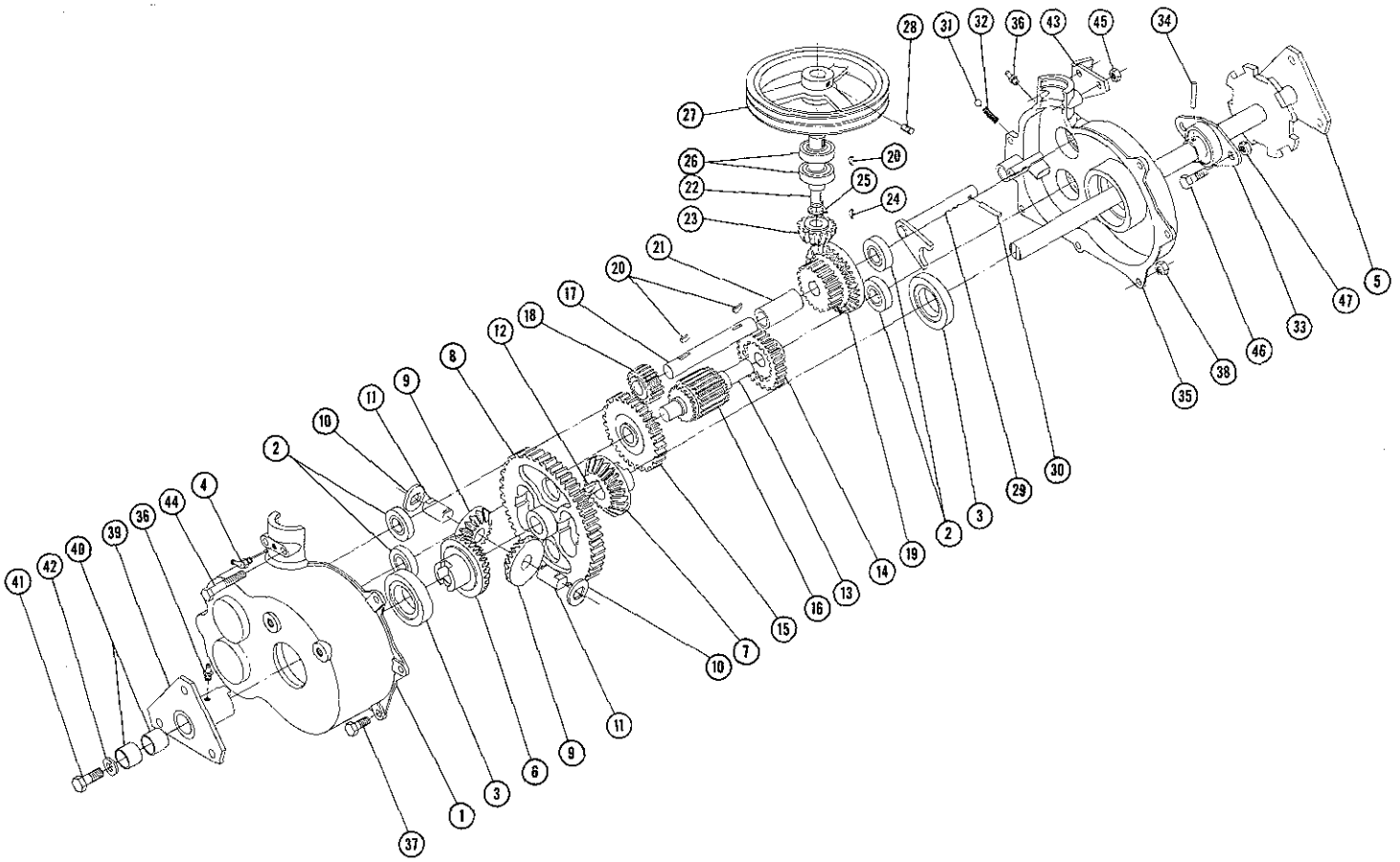
DATE_____ GREASE JOBS_____

MISCELLANEOUS

DATE_____

BATTERY SERVICE

DATE_____ SERVICE REQUIRED_____



LAWN SKIFF TRANSMISSION #5050 PARTS LIST

When ordering parts always list Part No and nome of part.

Ref No.	Part No.	Description	No Req'd
1	5738	Case R.H	1
2	5740	Bearing — Ball 5/8 I D	4
3	5741	Bearing — Ball 1 1/4 I.D	2
4	1481	Fitting — Grease 45°	1
5	5742	Ass'y. Axle	1
6	6328	Ass'y Gear — Axle R H	1
7	5747	Gear — Axle L H	1
8	5745	Gear — Final Drive	1
9	5748	Gear — Differential Pinion	2
10	5749	Washer — Thrust	2
11	5750	Pin — Differential	2
12	937017	Key #11 Woodruff	1
13	5751	Shaft — Sliding Gear	1
14	5752	Ass'y. High Gear	1
15	5755	Ass'y. Low Gear	1
16	5758	Gear — Sliding	1
17	5760	Shaft — Hi Low Pinion	1
18	5761	Pinion — Low	1
19	5762	Gear — Combination	1
20	937014	Key #9 Woodruff	3
21	5763	Spacer	1
22	5764	Shaft Input	1
23	5765	Gear — Pinion — Input	1
24	937007	Key #3 Woodruff	1

Ref No.	Part No.	Description	No Req'd
25	936117	Snapring 1/2 External Truarc	1
26	6192	Bearing — Ball 5/8 I D	2
27	5766	Pulley	1
28	909850-6	Set Screw 1/4-20 x 3/8	1
29	5767	Ass'y. Fork-Shift	1
30	933190	Roll Pin 3/16 x 1 1/4	1
31	3517	Ball	1
32	6188	Spring	1
33	5770	Ass'y. Bearing & Housing	1
34	933171	Roll Pin 5/32 x 1	1
35	5739	Case L H	1
36	1030	Fitting — Greose	2
37	908018-4	Bolt Hex 5/16-18 x 7/8	6
38	915662-4	Nut 5/16-18 Elastic Stop	6
39	5771	Ass'y. Hub & Flange	1
40	1504	Bushing	2
41	908032-6	Bolt Hex 3/8-16 x 3/4 Nylok	1
42	2844	Washer — Special	1
43	5823	Bracket — Shift Rod	1
44	908025-4	Bolt Hex. 5/16-18 x 2 1/2	2
45	915112-6	Nut 5/16-18 Nylok	2
46	908031-4	Bolt Hex. 3/8-16 x 5/8	2
47	915113-6	Nut 3/8-16 Nylok	2