

models
RR-67, RE-67
Riding Rotary Mower



# **OWNERS MANUAL**



#### **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. 933213.



#### **BEFORE YOU START**

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

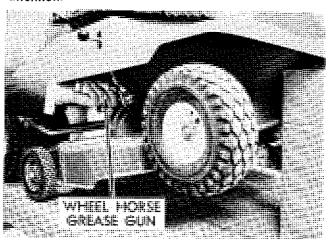
Change oil every 25 operating hours or sooner if equipment is operated in extremely dusty or dirty conditions. Read engine manual and follow all instructions pertaining to proper maintenance specified. The engine is the heart of your riding mower and it is very important that you keep it in good condition.

Before draining oil from the engine push down an 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 1 for location of grease fittings. A light machine ail 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 baxes 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 far 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 added 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-67 Lawn Skiff is a dry charge battery. It is important that you properly prepare this battery to insure good service and long life.

- I. 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 far 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 frant tires are 4.50-4 pnuematic and the rear tires are 4.50-6 ond 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
  - A. The Model RE-67 has a key starter-switch. Turn key all the way to the right to start engine.
  - B. The Model RR-67 has a recoil starter with a choke position on the throttle control.

(NOTE: Keep feet clear of mower while pull-ing recoil starter). Move to choke position — pull recoil out.

**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 transmissian 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 lacation of grease fittings.
- 2. Keep engine air cleaner clean This will add to engine life
- ${f 3}_{\rm eff}$  Keep tires properly inflated. See instructions on tires.

- 4. Keep Lawn Skiff covered and in dry place 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 odjustment can be made of the trunnion located just inside the left front wheel. Remove the cotter pin from the trunnion 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.
- 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. Remove for winter storage.
- 9. Your Lawn Skiff is only as good as the service you give it. See your Reo Dealer for a tharough 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 properly aligned.)

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

#### MOWER HEIGHT ADJUSTMENT

12. Different cutting heights can be obtained by threading the wheel bolt into any one of the four holes provided on the side of the mower deck.

#### MOWER BELT ADJUSTMENT

- 13. 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 tensian will lead to premature belt and bearing failure.
- 14 Moke sure that wire fingers retaining the belt as permissible without rubbing with idler in the engaged position.
- 15. The mower will operate most efficiently when the frant 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. The height can be odjusted 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 threoded trunnion. See Mower Exploded View Drawing Items Na. 40 and 47.

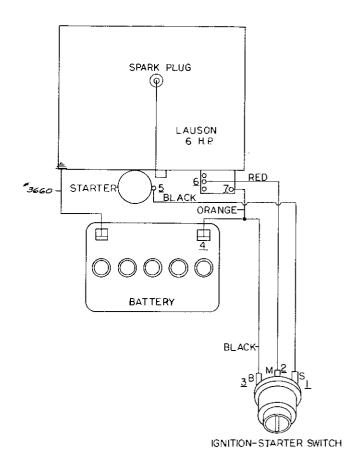
#### FOR SAFE OPERATION

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 sofe operation of your mower.

- 1. Before mowing, clear the entire lown 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 mawer.
- 3. Mowers da not operate well in wet grass Wet grass has a tendency to build up on mawer 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 smaking.
- 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
- Stop mowing when another person approaches
   prohibit others fram 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 mawer by improper handling.
- 11. Never adjust mawer 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, stap engine, and remove the belt in the bottom groove of the engine pulley.

Never allow children to operate this unit.



#### WIRING FOR MODEL RE-67

#### SPECIFICATIONS

MODEL RR-67 recoil starter

MODEL RE-67 electric starter

(Specifications subject to change without notice)

Fuel Capacity		. 2 quarts
Speeds	Low Range	High Range
Forward	I to 2 mp.h	2 to 4 mph.
Reverse	$\frac{1}{2}$ to 1 mph	1 to 2 m p.h.
Length		$52\frac{3}{8}$ inches
Wheel Base	· · · · · · · · · · · · · · · · · · ·	35 inches
Height " "		29 inches
Cutting Heights	13/8 inches	to $3\frac{1}{4}$ inches
Cutting Width		32 inches
Tires Front		
Outside Turning Radius		5 feet
Shipping Weight RE-67	Ар	prox 334 lbs.
Shipping Weight RR-67	Ар	prox 303 lbs

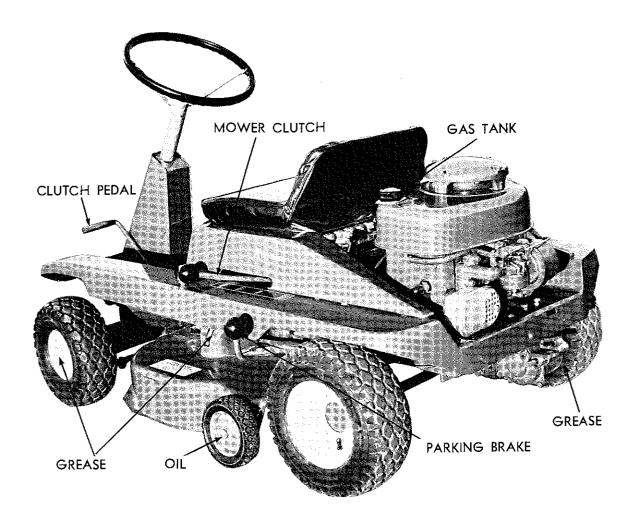
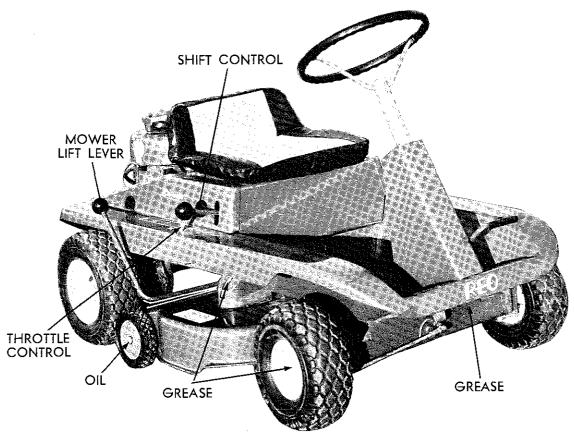
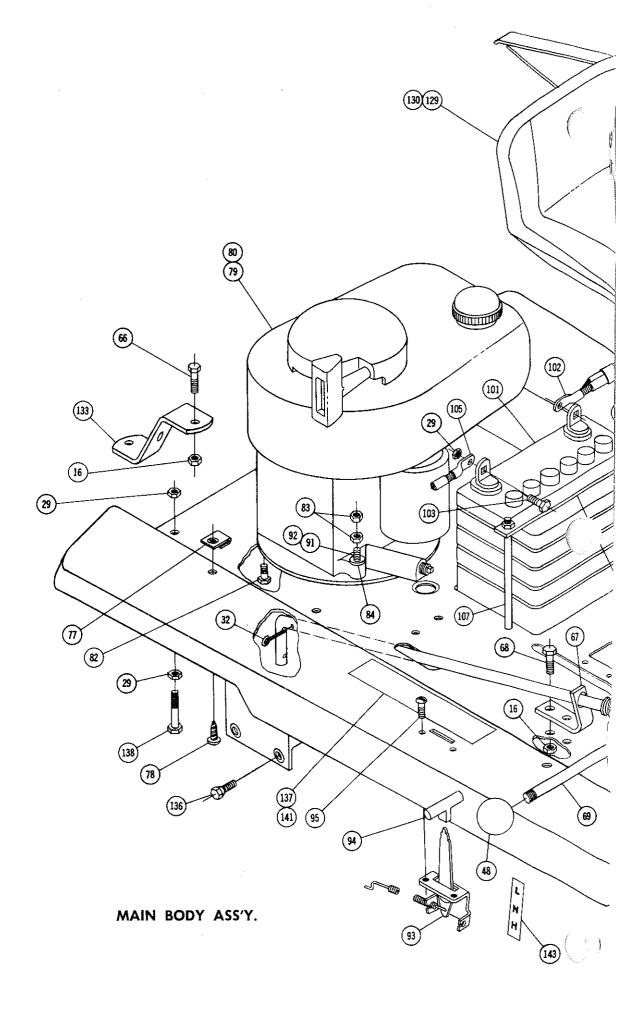
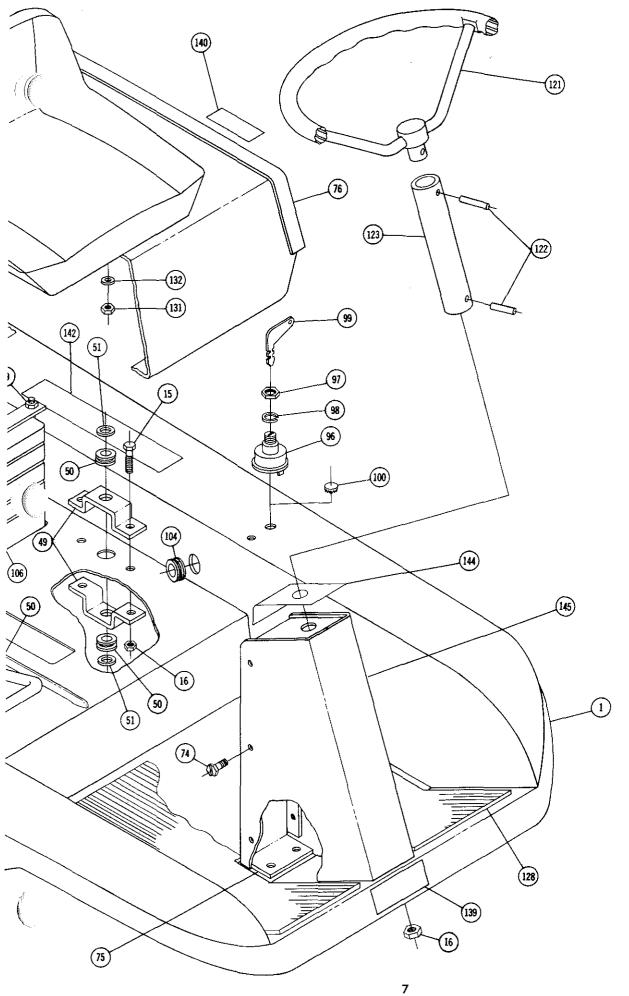
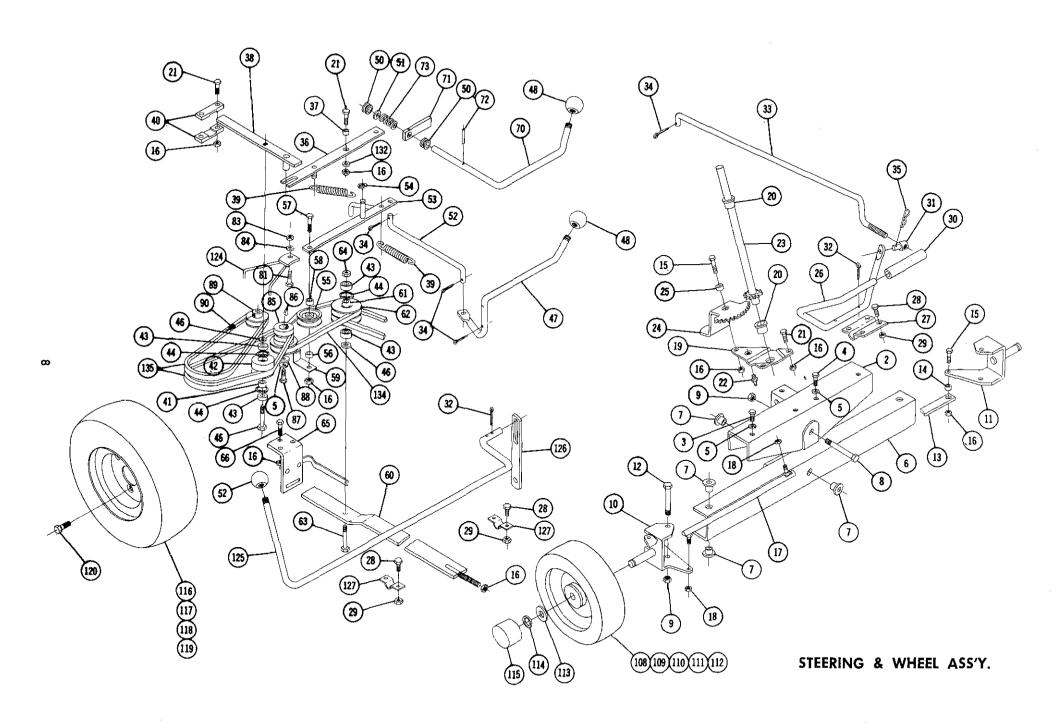


Figure 1





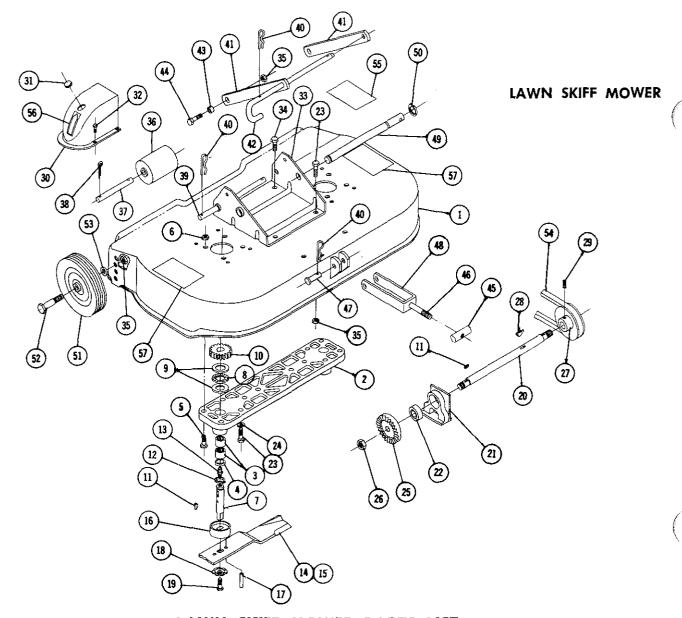




### RR-67 & RE-67 LAWN SKIFF PARTS LIST

When ordering parts always list Part No and name of part

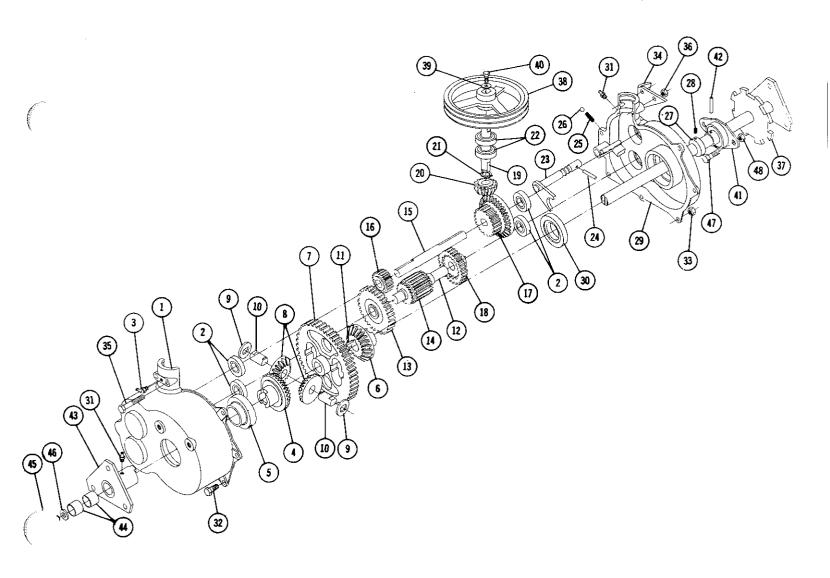
			No Reg'd.		D-f	Dave		No. Reg'd.	
Ref No	Part No.	Description		q'd. ' RE-67	Ref. No.	Part No	Description	Red RR-67	
1	6664	Ass'y. Body	ī	1	74	960150-4	Screw _ Whizlock 1/4-20 x 3/8	6	6
2	5778	Ass'y Axle Support	1	1	7.5	6669	Suppart — Steering Column	1	1
3	908030-4	Balt Hex $\frac{3}{8}$ -16 x $\frac{1}{2}$	3	3	76	5830	Ass'y, Seat Support	1	1
4	908031-4	Bolt Hex 3/8-16 x 5/8	2	2	77	5834	Speed — Nut #14-10 Tinnerma		4
5	920083-4	Lockwasher 🔏 Dia	6	6	78	911685-4	Screw Hex Head Slatted #14-10	x 1/8	
6	5775	Ass'y. Axle — Frant	1	1	İ	i	Self Tap	4	4
7	5840	Bushing	6	6	79	5697	Ass'y Engine — 6 H.P. Recoil	1	
8	5795	Bolt Hex ½-13 x 3 — Speci	al 1	] 1	80	5698	Ass'y. Engine — 6 H.P. Electri	ic 0	1
9	915751-4	Nut — Hex ½-13	1 T	ī	81	908021-4	Bolt Hex $\frac{1}{2}$ 18 x $\frac{1}{2}$	1	
0	5782	Ass'y Arm & Spindle R.H.	1	1	82	908016-6	Bolt Hex 5/ <sub>6</sub> -18 x 5/ <sub>8</sub> Nylok	2	]] :
1	5783	Ass'y. Arm & Spindle LH	1	1	83	915112-6	Nut Nylak Hex ⅓6-18	3	;
12	.5794	Bolt Hex ½-13 Special	2	2	84	920008-4	Washer ¾ Dia	2	:
3	5796	Drag Link	1	1	85	5835	Pulley — Engine	1	
4	4937	Spacer	2	2	86	937010	Key #6 Woadruff	1	
5	908034-4	Bolt — Hex $\frac{3}{8}$ -16 x 1	5	5	87	908182-4	Bolt — Hex $\frac{3}{8}$ -24 x $\frac{7}{8}$	1	
6	915663-4	Nut — Elastic Stop 3/8-16	22	22	88	2844	Washer — Special	1	
7	5797	Ass y Ball Joint	1	ī	89	5836	Pulley — Camshaft	T	'
8	915001-6	Nut — Nylak ¾ <sub>6-</sub> 24	2	2	90	909850-5	Set — Screw Hex Socket 1/4-20 x	3∕ <sub>8</sub> 1	
9	5786	Support — Steering	1 1	1	91	908022-4	Bolt — Hex $\frac{5}{16}$ -18 x $1\frac{3}{4}$	0	
Ó	5409	Bushing — Nylon	2	2	92	908020-4	Bolt Hex 1/6-18 x 11/4	1	
:1	908035-4	Bolt Hex 3/8-16 x 11/4	7	7	93	6160	Ass'y Control — Throttle	1	
2	1030	Fitting — Grease	lí	1	94	6161	Knob	i	
3	.5787	Ass y. Shaft — Steering	;	i	95	908996-4	Screw Round Head #8-32 x 1	•	
4	5790	Sector — Steering	1	ī	96	4987	Ass'y Switch - Ignition	ı o	
5	5715	Spacer	i	i	97	4882	Nut — Hex 5/8-32 — Special	0	
6	6665	Pedal — Reverse Clutch	1	i	93	4881	Lockwasher 5/8 Dia — Special	o	
7	5842	Bracket - Pedal	i	i i	99	4989	Key — Ignition	Ŏ	Ш,
8	908001-4	Bolt Hex 1/4-20 x 1/2	4	4	100	37.57	Plug Button 5/8 Hole	1	
9	915111-6	Nut Hex 1/4-20 Nylok	8	12	101	3653	Battery	o	-
	l l		1	1	102	6169	Wiring Harness	Ö	
0	4569	Tube Rubber	1	i i	103	908002-4	Bolf Hex 1/4-20 x 5/8	Ö	-
11	5791	Stud — Trunion	5	5		5439	Grommet	ŏ	
2	932017-4	Cotter Pin 1/8 x 1	1	1	104		Wire — Ground	ő	
13	6666	Rod — Clutch	1	5	105	3660		0	
14	932016-4	Cotter Pin 1/8 x 3/4	5	1	106	5851	Bor Battery Clamp	1	
35	933505-4	Hairpin	1	1	107	6173	Hook Battery Clamp	. 0	
6	6194	Ass'y Arm — Clutch	1	1	108	5610	Ass'y. Wheel, Tire & Tube (Fron		
37	6331	Spacer	1	1	109	3081	Wheel	2	
8	6777	Ass'y Bar — Clutch Idler	1	1	110	5611	Tire 10.5 x 4.504	2	11
9	1129	Spring	1	1	111	5612	Tube	2	
0	5802	Block — Nylon	4	4	112	3092	Bushing	4	
1	4763	Spacer	1	1	113	1278	Washer	2	:
2	6775	Pulley - Idler - Forward & Rev	erse 1	1	114	5618	"E" Ring ¾ Shaft	2	
3	6593	Bearing — Ball $7_{16}$ I.D	4	4	115	2816	Hub Cap	2	H
4	936020	Snap Ring 1⅓ Inter⊓al	4	4	116	5713	Ass'y Wheel & Tire (Rear)		-
5	908048-4	Bolt Hex $\frac{7}{6}$ -14 x 1 $\frac{1}{2}$	1	1	117	5837	Wheel	2	
6	920201-4	Washer	2	2	118	5711	Tire	2	
7	6815	Lever - Mower Clutch	1	1	119	5712	Tube	2	
8	5852	Knob	3	3	120	1004	Lug Balt Wheel 🏸 20	6	11
9	5806	Brocket — Clutch Lever	2	2	121	6672	Wheel — Steering	1	
0	5807	Grommet Rubber	5	5	122	933213	Roll — Pin $\frac{1}{4} \times 1\frac{1}{2}$	2	
1	920011-4	Wosher 1/2 SAE	3	3	123	6673	Hub — Steering Wheel Adaptor	1	
2	6813	Rod Mower Clutch	1	1	124	6363	Ass'y Belt Retoiner	Ι	1
i3	6809	Ass'y, Arm Mower Clutch	Ī	1	125	6909	Rod — Mower Lift	T	
4	.5701	"E" Ring	1	1	126	6670	Bar — Lift	ī	
5	1623	Pulley — Idler 3/8 Bore	i	1	127	6532	Bracket	2	
6	1536	Spacer 3/8 Bore	i	1	128	6351	Floormat	1	
7	908039-4	Bolt Hex $\frac{3}{8}$ -16 x $2\frac{1}{4}$	;	i	129	7018	Ass'y Seot	1	
	6814	Spocer 78"10 X 2/4	ļ ;	l i	130	5556	Cushion — Seat	1	
8	6360	Spocer Bracket — Belt Guide	1	l i	131	915113-6	Nut Hex 3/8-16 Nylok	3	
9		Ass'y Arm — Belt Adj.	;	l i	132	920009-4	Washer 3/8	2	
0	6778		1	l i	133	5838	Bar — Hitch	ı î	
1	6595	Spacer — Double Idler Pulley		1	134	6993	"V"-Belt	l i	
2	6776	Pulley Double Idler	1 1	11			"V" Belt	2	11
3	908051-4	Bolt Hex 1/6-14 x 21/4	1	1	135	1597 6352	Bolt — Lug 3/8-16 x 5/8	2	Ш
4	915114-6	Nut — Nylok 1/6-14	1	i i	136	6352		1	∦,
5	6811	Ass'y Bracket Guide	1	I	137	6683	Decal — Throttle & Mower Lift	2	
6	908033-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{7}{8}$	5	5	138	908010-4	Bolt — Hex 1/4 20 x 21/4	i	11
7	5821	Bracket — Shift	1	1	139	6151	Decal — Reo Logo	1 2	1
8	908032-4	Bolt Hex $\frac{3}{8}$ -16 x $\frac{3}{4}$	2	2	140	6202	Decal — Rea Matic	2	
9	6667	Rod Shift	1	1	141	6684	Decal — Throttle & Mower Lif		
0	5848	Rod — Brake	1	1	142	6685	Decal — Mower Clutch & Bral		
7	MW-10337	Bar — Brake	1	1	143	6205	Decai — Shift Pattern	T	
	933188	Roll Pin 3/6 x 1	1	1	144	6388	Decal — Foot Pedal Instruction	s 1	1
'2									Ш



# LAWN SKIFF MOWER PARTS LIST

(For Complete Ass'y Order No RR-116)
When ordering ports always list Part No and name of part

ltem	Part		No.	ltem	Part		No.
No.	No	Description	Req'd.	No.	No.	Description	Req'd
1	5726	Ass'y Deck	1	30	3147	Caver - Gear	2
2	5233	Hausing	1	31	3757	Plug — Button	2
3	1508	Bearing	4	32	1304	Screw — Hex #8-32 Self Tap	8
4	1303	Seol - Oil	2	33	5736	Hanger	1
5	908018-4	Bolt Hex 1/6-18 x 1/8	4	34	908032-4	Bolf Hex 3/8-16 x 3/4	2
6	915112-6	Nut - Nylok 5/6-18	4	35	91.5663-4	Nut — Elastic Stop 3/8-16	j 8
7	3724	Shoft — Spindle	2	36	5240	Ass'y Roller	1
8	1534	Bearing — Thrust	2	37	5241	Shoft	1
9	1535	Washer - Thrust	4	38	932017-4	Cotter Pin 1/8 x 1	2
10	3131	Geor — Spur	2	39	6675	Pin	I
11	937084	Key #5 Woodruff	4	40	933505-4	Hoirpin	5
12	936125	Snap Ring 3/4 Shaft	2	41	6676	Link — Rear Parallel	2
13	1030	Fifting — Grease	2	42	6677	Pin Rear Link	1
14	3718	Blade R.H 16"	1 1	43	4937	Spacer	2
1.5	3719	Blade L.H. 16'	1	44	908033-4	Balt Hex 1/8-16 x 1/8	2
16	3716	Сир	2	45	6830	Trunion - Front Link	1
17	933211	Roll Pin 1/4 x 3/4	4	46	900885-4	Bolt Square Head 1/2-13 x 23/4	1
18	1336	Washer — Dome	2	47	932965-4	Pin — Clevis	ì
19	908033-6	Bolt 3/4-16 x 7/8 Nylak	2	48	6331	Clevis	1
20	3715	Shaft — Crass	1 1	49	<b>57</b> 35	Shaft - Belt Tightener	1
21	3138	Hausing	2	50	5618	"E" Ring	2
22	1515	Bearing - Ball	2	51	2877	Wheel	2
23	908034-4	Balt Hex 3/8-16 x 1	6	52	5188	Bolt — Shoulder	2
24	920083-4	Lackwasher 3/8 Dia	4	53	920009-4	Washer 3/8 SAE	2
25	3130	Gear	2	54	1596	"V" Belt	1
26	915639	Nut 5/8-18 Elastic Stop	2	55	6163	Decal — Belt Diagram	1
27	1613	Pulley	1	56	3710	Decal — Grease	2
28	937159	Key #9 HI-PRO	1	57	4570	Decal — Caution	2
29	909362-5	Set Screw 16-18 x 1/6 Nylok	1			· ···	1



# LAWN SKIFF TRANSMISSION 5056 PARTS LIST

(For Complete Transmission Order No. 5056)
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. Reg'd
1	5738	Case R H	ı	25	6188	Spring	1
2	7060	Bearing — Ball % 1.D	4	26	3517	Ball	1
3	1481	Fitting — Grease 45°	3	27	1085	Callar — Axle	1
4	5746	Gear	1	28	909848-5	Set Screw 1/4-20 - 1/4 Nylok	1
5	6639	Bearing — Ball 1½ ID	1	29	5739	Case L.H	1
6	5747	Gear — Axle L.H.	1	30	5741	Bearing — Ball 1½ ID	1
7	5745	Gear — Final Drive	l i	31	1030	Fitting — Grease	2
8	5748	Gear — Differential Pinion	2	32	908018-4		6
9	5749	Washer — Thrust	2	33	915662-4	Nut — Elastic Stop 5/16-18	6
10	5750	Pin — Differential	2	34	6668	Bracket — Shift Rod	ī
11	937017	Key #11 Woodruff	1	35	908025-4	Bolt Hex 16-18 x 21/2	2
12	5751	Shaft — Sliding Gear	1	36	915112-6	Nut ⅓6-18 Nylok	2
13	5755	Low Gear	1	37	5742	Ass'y. Axle	1
14	5758	Gear — Sliding	i	38	6671	Pulley	1
15	6678	Shaft — Hi — Low Pinian	1	39	920008-4	Washer 1/6 SAE	1
16	6679	Pinion — Law	1	40	908016-5	Screw Hex Nylak 16-18 x 1/8	1
17	6680	Gear — Combination	1	41	5770	Ass'y. Bearing — Flanged Ball	1
18	5752	High Gear	1 1	42	933171	Roll Pin 32 x 1	1
19	6681	Shaft Input	1	43	5771	Ass'y Hub & Flonge	1
20	6682	Gear — Pinion — Input	1	44	1504	Bushing	2
21	936121	Snapring 5/8 Ext Truerc	i	45	908032-6	Bolt Hex 3/8-16 x 3/4 Nylok	1
22	6192	Bearing — Ball $\frac{5}{8}$ I.D.	2	46	2844	Washer	l i
23	5767	Ass'y. Fork - Shift	- <u>ī</u>	47	908031-4	Bolt Hex 3/8-16 x 5/8	2
24	933190	Roll Pin 1/6 x 11/4	l i	48	915113-6	Nut 3/8-16 Nylok	- <u>-</u> 2

## OWNERS MAINTENANCE RECORD

# **OIL CHANGES** TYPE & KIND OF OIL\_\_\_\_ DATE. \_\_\_\_\_ GREASE JOBS\_\_\_\_ TUNE UPS PARTS REPLACED\_\_\_\_\_ **BATTERY SERVICE** SERVICE REQUIRED.\_\_\_\_\_ **MISCELLANEOUS**