



# OPERATING AND MAINTENANCE INSTRUCTIONS

WITH  
**PARTS LIST**  
D-Series  
↓

**SKAT-KITTY**



This document is provided for  
historical purposes only.

Projects Unlimited Inc. does not  
supply parts and does not  
warrant any information  
contained in this document to be  
factual.

**PROJECTS UNLIMITED, INC.**

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## WARRANTY INFORMATION

Enclosed with the Skat-Kitty are three warranties.

1. SKAT-KITTY WARRANTY. This covers all parts except the engine and the tires.
2. ENGINE WARRANTY. By engine manufacturer.

### NOTE

Any modification made on the engine automatically voids warranty.

3. TIRE WARRANTY. By tire manufacturer. Please fill Skat-Kitty and engine warranties out correctly and return. Fill tire warranty out correctly and keep.

### NOTE

Projects Unlimited extends the warranty on tires and engines to the purchaser only to the extent and conditions of the tire and engine manufacturer - and all warranty problems must be handled through the nearest engine dealer, tire dealer or service station, as authorized by tire or engine manufacturer.

# OPERATING AND MAINTENANCE INSTRUCTIONS

## WITH

### PARTS LIST

### SKAT-KITTY

#### GETTING ACQUAINTED WITH YOUR SKAT-KITTY

Upon receiving your Skat-Kitty, open carton and remove all packing material. Remove handle bars from the carton and place the threaded portion of the stem assembly into the front fork assembly. Tighten wing nut securely. Now remove the Skat-Kitty from the carton.

#### NOTE

Remove handlebars slowly, so throttle cable does not catch on any protruding object and bend or kink cable.

Now become familiar with your Skat-Kitty before taking that first spin. Read these instructions and the engine manufacturer's booklet. After you have familiarized yourself with the Skat-Kitty, operate it in the driveway or side street, to get the feel of this machine.

The amount of care the Skat-Kitty requires is small but important. Keep it clean and well lubricated.



The Skat-Kitty is shipped without oil. Fill with SAE 30 before starting.

#### BEFORE STARTING

1. See engine instruction booklet for correct oil and correct level of fill.
2. Check tire pressure (32 to 35 psi). Do not run under-inflated, as this will result in damage to the sidewall of the tire.
3. Add fuel. Use regular lead gasoline.
4. Be sure valve under gas tank is open (full clockwise position).

#### STARTING

1. Apply brake by pressing down on the brake pedal or place Skat-Kitty's front wheel against a curb or wall.



Be sure brake pedal is pressed down or that the front wheel has been placed against an obstruction prior to starting. If the throttle happens to advance too far, the Skat-Kitty could take off without you.

2. Start engine in accordance with engine instruction booklet. If engine will not start, or requires service, check the telephone book yellow pages under "Engines-Gasoline" for your Lauson-Power Products Service Outlet.

3. To increase engine speed, turn throttle counterclockwise. As the engine increases speed the automatic centrifugal clutch will engage. Release the brake for forward motion.

#### STOPPING

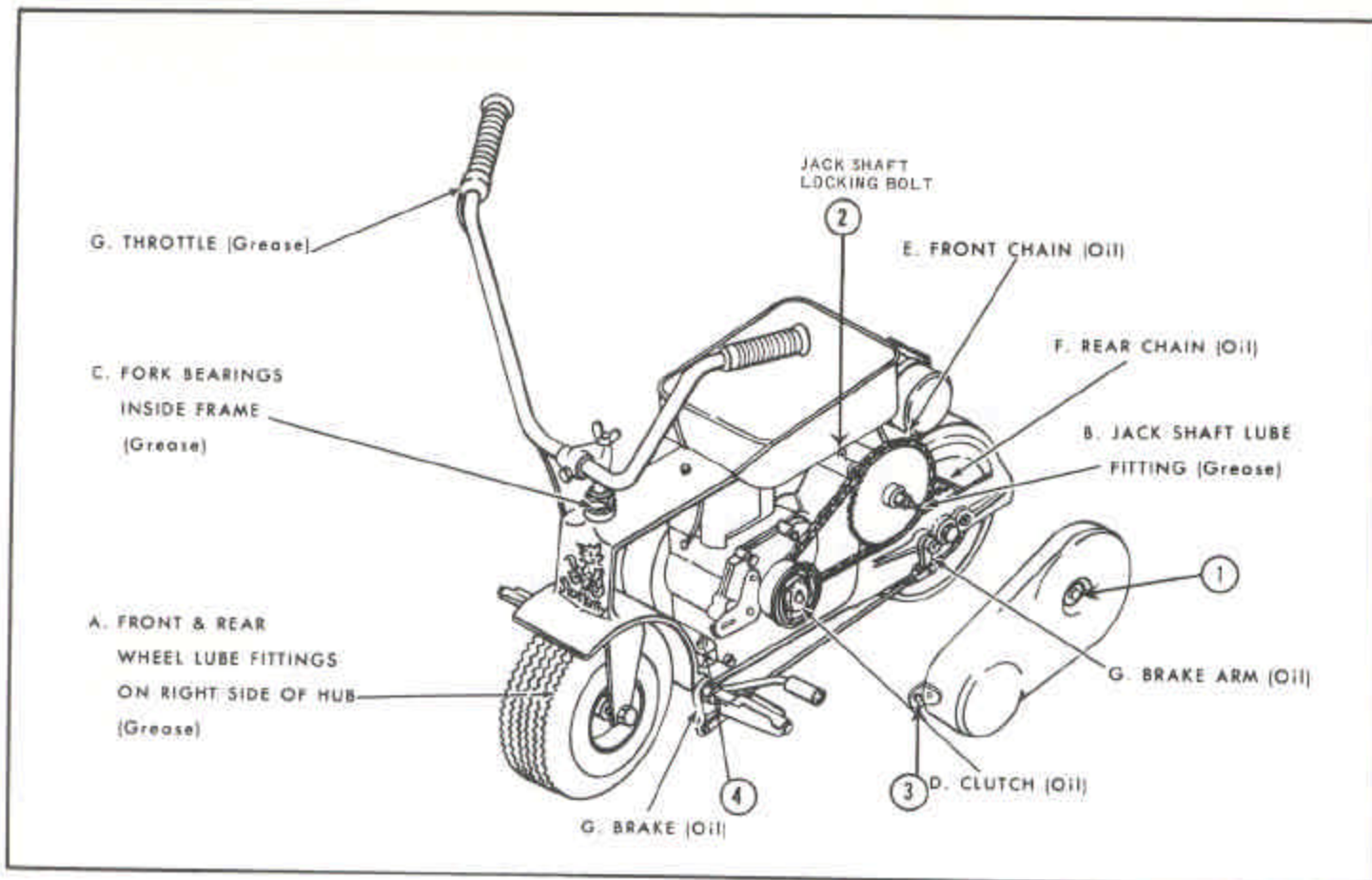
1. Turn the throttle off (clockwise) and apply a downward pressure on the brake pedal to stop the Skat-Kitty.
2. The engine can be stopped by pushing down on the stop button just forward of the seat.

#### MAINTENANCE

**LUBRICATION.** Use a good grade of general purpose automotive grease for the grease points and a 30 weight oil for the lubrication points. The following chart will help you keep track of lubrication on your Skat-Kitty.

#### PERIODIC SERVICE CHECKS

ITEM	DATE CHECKED				
Wheels					
Jackshaft					
Fork Bearings					
Clutch					
Chain					
General					



Lubrication Points

1. WHEELS. Every six weeks, or after riding in deep water, add grease to fittings (A) on right side of hubs. Wipe off excess grease. Every six months remove the wheel bearings, wash out old grease with clean solvent, reassemble and regrease. Do not over grease rear wheel, as this can damage the brake.

2. JACKSHAFT. Once a week grease the jackshaft fitting (B) with one or two "shots" with a grease gun.

#### NOTE

Do not overgrease because excess grease will be thrown from the shaft.

3. FORK BEARINGS. Once a year remove the fork. Wash the bearings (C) with a clean solvent, regrease and reassemble.

4. CLUTCH. Add one or two drops of oil to the oil hole (D) in the clutch hub next to the sprocket once a month.

#### NOTE

Do not over lubricate as too much oil causes slippage.

5. CHAIN. Apply a few drops of oil to the front and rear chains (E) and (F) weekly or when they appear dry. Wipe off excess.

Recommended for longer chain life: Remove both chains every 90 days, wash in kerosene or solvent; then soak in melted paraffine.

6. GENERAL. Add a drop or two of oil to all pivot points (G) such as brake and throttle controls once a month.

## ADJUSTMENTS

### 1. BRAKE ADJUSTMENT.

a. Remove the pin (18) from the brake rod end yoke (24).

b. Turn the yoke on the shaft to shorten the rod. Try 1/2 to 1 turn at a time until the slack has been removed from the brake system.

c. Reinstall rod yoke with pin. Make sure that the brake does not drag.

### 2. CHAIN ADJUSTMENT.

#### To Adjust Rear Chain:

1. Loosen Nut (1) 1/2 turn.
2. Loosen Lock Bolt (2) 1 1/2 turns.
3. Turn Nut (1) counter-clockwise—this will turn shaft and tighten chain.
4. Tighten (2) Bolt.
5. Tighten (1) Nut.

### To Adjust Front Chain:

1. Loosen (3) Nut.
2. Loosen (4) Nuts four places.
3. Slide Motor forward.
4. Tighten (4) Nut four places.
5. Tighten (3) Nut.
6. Chains should have 1/4" lateral movement.

### NOTE

When chains are properly adjusted, you should be able to move the center portion between the two sprockets, up and down a total of 1/2 inch.

## DISASSEMBLY INSTRUCTIONS

The Skat-Kitty is very easy to disassemble for replacement of parts, except for the rear wheel assembly and the brake assembly. The following details the procedure for removal of these items:

1. Deflate rear tire. Remove nut (138) from axle axle (76) and pull axle out.
2. The rear wheel now can be removed from the

housing for repairs or brake shoe assembly is now exposed for repairs, if needed.

3. Removal of brake shoe assembly (34B) is accomplished by removing self-locking pin (122) and sliding brake shoe assembly out.

## REASSEMBLY INSTRUCTIONS

These instructions detail only the procedure for the replacement of the brake shoe assembly (34B) and rear wheel assembly.

1. Spread brake shoe assembly (34B) and slide over brake cam (33). Slip other side of brake shoe assembly into slot of brake shoe hanger (208). Secure brake shoe assembly with self-locking pin (122).

2. Place wheel in position. Push axle (76) into the frame, starting from the left. Place washer (43) and spacer (38) onto bolt. Now push the bolt into the bearing hole of the wheel, just to the point where it sticks out of the right side of the wheel.

3. Place spacer (77) in between rear wheel and frame and slide axle clear through.

4. Secure axle (76) with nut (138). Inflate tire to proper pressure.

## REPAIR PARTS LIST

The illustration and parts list which follow show all the replacement parts of your Skat-Kitty. The illustration shows the Skat-Kitty dismantled, with each part indexed.

If you should find it necessary to replace a part, find the part in the illustration and note its number.

Turn to the parts list and find the part number assigned to the part you need. Read across the line to determine the name of the part. Order the parts you need by NAME and PART NUMBER ONLY.

Projects Unlimited, Inc. is constantly improving the Skat-Kitty to provide the customer with a better Skat-Kitty. New parts may appear different but they are interchangeable on Skat-Kittys of the same series.

### LIGHT KIT ASSY USERS

- 1 ea Head light bulb #PR13
- 2 ea Tail & Stop light bulb #GE503
- 1 ea 6 Volt Eveready #509 battery or equivalent



Part Number	Description	Quantity
1	Tire-Tube-Wheel & Bearing Assembly (Front)	1
1-1	Wheel Section	3
1-2	Tire, 510 x 350 x 4	2
1-3	Tube, 410 x 350 x 4	2
1-4	Hub	2
1-5	Grease Fitting	2
1-6	Bolt, 5/16-24	6
1-7	Nut, 5/16-24	6
1-8	Cone Nut, 5/16-24	6
1-9	Washer-Lock, 5/16	6
2	Grip-Handle Bar - Left	1
3	Handle Bar	1
5	Nut-Head Lock	1
6	Cone-Head Adjusting	1
7	Tank - Gasoline	1
8	Cone - Stationary	1
J	Bearing - Ball & Retainer	2
10	Cup-Head-Universal	2
13-B	Axle - Front	1
14	Spacer - Front Wheel	2
15	Fork Assy	1
17	Pedal - Foot Rest	2
18	Pin - Yoke Brake	2
19	Shaft - Pedal - Mount	1
22-B	Strap - Gas Tank	2
24	Yoke - Brake Adjusting	2
25	Throttle-Twist Assy - Right	1
25-1	Grip-Handle Bar - Right	1
26	Rear & Front Wheel Bearing - Ball Flange	4
29	Rod - Brake	1
31	Arm - Brake Assy	1
33-C	Cam-Brake	1
34-B	Brake Shoe Assy	1
35-B	Cover - Dust Brake	1
38-C	Spacer - Rear Wheel - Left	1
42	Drum-Sprocket & Wheel Assy (Rear)	1
47-C	Chain Guard Assy	1
52	Clamp - Exhaust Pipe	1
53	Clutch - 15T	1
55	Sprocket - Outer	1
56	Sprocket - Inner	1
57-B	Bearing - Jackshaft	2
59-B	Jackshaft	1
60	Hub - Jackshaft	1
61	Chain - Rear	1
63	Chain - Front	1
66	Spring Throttle Return	1
70	Bearing - Clutch End Thrust	1
72	Key - Clutch, 3/16 x 3/16 x 3/4	1
73-B	Seat	1
74	Decal	1
75	Bracket - License	1
76-B	Axle - Rear	1
77	Spacer - Rear Wheel - Right	1
78	Bearing - End Thrust Jackshaft	2
80-C	Motor - 4 Cycle	1
81	Kick Stand	1
82	Spring Kick Stand	1

Part Number	Description	Quantity
85-B	Brake - Pedal Assy	1
88-B	Pedal Pad	1
89-C	Elbow - Exhaust	1
108-B	Nut Hex Chain Guard Mounting 1/4 - 20	1
117-B	Frame Assy	1
119-B	Button - Stop	1
120	Pin - Cotter, 1/16 x 1/2	2
122	Pin - Self Locking, 1/8 x 13/16	2
125	Ring - Tru Arc	2
127B	Grease Fitting - Zerk	1
132-B	Nut - 1/4 - 20 Sq.	2
136-B	Nut - Hex Lock, 5/16-18	5
137-B	Nut Hex 1/2-13 Center Lock	3
138-B	Nut - Hex Half Lock, 5/8-18	2
140	Washer - Shake Proof, 1/4	1
141	Washer - Cut, 5/16	4
142	Washer - Cut, 5/8	1
143	Washer - Cut, 1/2	2
145-B	Bolt 1/4 - 20 x 5/8 Carriage	1
146-B	Bolt - Hex Head - Sems 5/16 - 18	2
148-B	Bolt - Hex Head, 5/16-18 x 1 Cam Car	1
152-B	Screw - 1/4 - 20 x 3/4 sems	2
157	Bolt - Hex Head, 5/16-18 x 2 in. lg	4
162-B	Pipe - Nut & Muffler Assem.	1
168-B	Hose - Gasoline	1
169-B	Valve - Gasoline	1
170-B	Clamp - Gasoline Line	2
171	Cap - Gas Tank	1
172	Bearing - Clutch	1
173	Master Link Assy	2
179	Clip - Cable & Wire	1
180	Spark Plug J-91	1
184-2	Shorting Clip - Spark Plug	1
198-B	Air Cleaner Complete	1
199	E-Ring	1
204	Retaining Sleeve	2
208	Hanger - Brake Shoe	1
210	Key - Hub Assy	1
225-C	Hanger - Throttle Housing	1
234-B	Conduit Nut	1
235	Stem Assy	1
236-B	Throttle Cable Housing Assy	1
237	Wheel Section	1
240	Nut - Center - Lock 1/4-24	2
243	Screw Fil Hd 1/4-20 x 1/2	1
263	Screw - Cam Car 10 - 32 x 3/8	1
264	Bell Crank	1
265	Pin Handlebar Lock	1
269	Grip Ring Clutch	1
270	Mount Plate Chain Guard	1
271	Bolt - Hex Chain Guard Mount 5/16 - 24 x 1-3/4	2
274	Screw Set 1/4-20 x 1/2 Nylock	1
275	Clip Conduit	1