



# **Electrak<sup>®</sup>** TRACTOR

## **ELECTRIC LAWN SWEEPER CONVERSION KIT MODEL KS31\* FOR MODEL AS31 TRAILING LAWN SWEEPER**

### **ASSEMBLY INSTRUCTIONS**

1. Fasten Motor Mounting Bracket (23) to Chassis (A) with four Carriage Bolts (9) and Lock Nuts (11).
2. Mount Motor (B) to Mounting Bracket (23) using three  $\frac{3}{4}$ " Bolts (3) and Lock Nuts (6) in two Top Holes and Back Bottom Hole.
3. Install Jackshaft Housing Assembly (includes sprocket, shaft and pulley) to Motor Mounting Bracket and secure at top (not tight) with  $1\frac{1}{4}$ " Bolt (12), Flat Washer (10) and Lock Nut (6). Fasten at bottom with  $\frac{3}{4}$ " Bolt (1), Flat Washer (2) and Lock Nut (11).
4. Place Square Key (14) in Motor Shaft, Slip  $2\frac{1}{2}$ " Pulley (16) (Hub toward motor) on Motor Shaft and tighten Set Screw in Pulley Hub.
5. Install 20" A-Section V-Belt (17).
6. Install Drive Chain (20) on small Sprocket of Jackshaft and Drive Sprocket (C) on Brush Shaft of Sweeper.
7. With Belt and Chain installed, rotate and slide Jackshaft Bracket (24) in slots to obtain correct Belt and Chain tension. Then tighten Bolts (12) and (1). See Fig. 1.

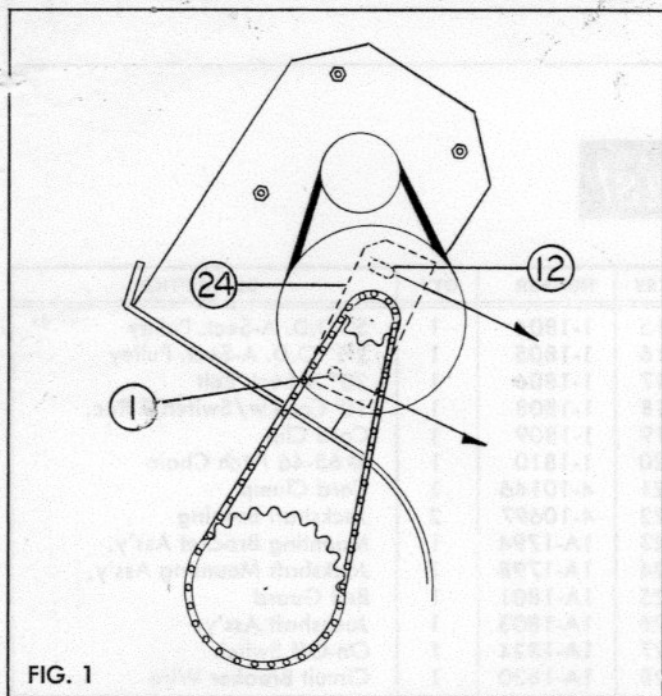


FIG. 1

8. Remove Hub Caps, Retaining Rings and Pull Drive Wheels from Sweeper. (Refer to sweeper manual) Remove Pinions and Pinion Pawls from Brush Shaft. Replace Drive Wheels.
9. Assemble Cord Clip (19) on Cord (18) and squeeze Clip together with Pliers.
10. Remove Cover Cap from Motor. Install one #211A3530P1 circuit breaker (E) on top of the motor. Connect one of the cord (18) ends to a circuit breaker terminal. Then connect the small jumper wire (28) from the other circuit breaker terminal to one of the motor terminals. Connect the other cord end directly to the remaining motor post. See Fig. 2. Mount Switch (27) to Adjustment Bracket (D). Connect Split Wires to ON-OFF Switch.
11. Snap Cord Clamp (21) to Adjustment Tube of Sweeper with Cord in notch of Clamp.
12. Mount Belt Guard (25) to Chassis using four Machine Screws (4) and Lock Nuts (5).
13. Attach Cord Clip (19) between Fender and Battery Box.
14. Plug the cord plug into the tractor accessory socket. Turn the sweeper on to check the rotation of the brush. Standing at the left side of the sweeper (as gauged from standing behind), the brush should be rotating in a clockwise direction. Should it be rotating in a counter-clockwise direction, turn the motor off and reverse the two leads of the cord and jumper to the motor. Replace Motor cover cap.

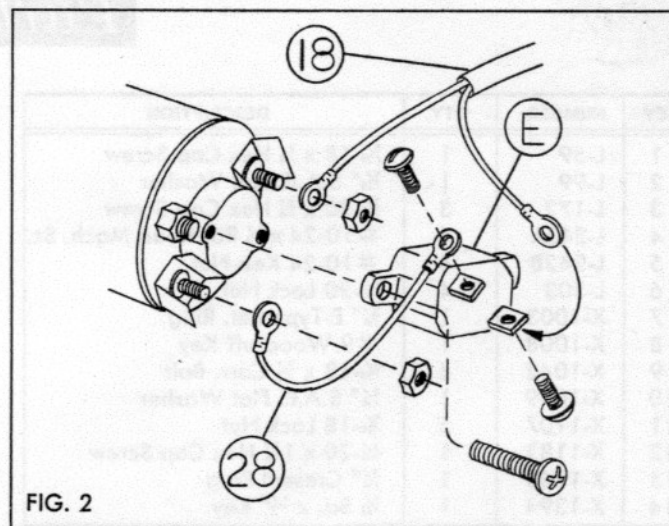


FIG. 2

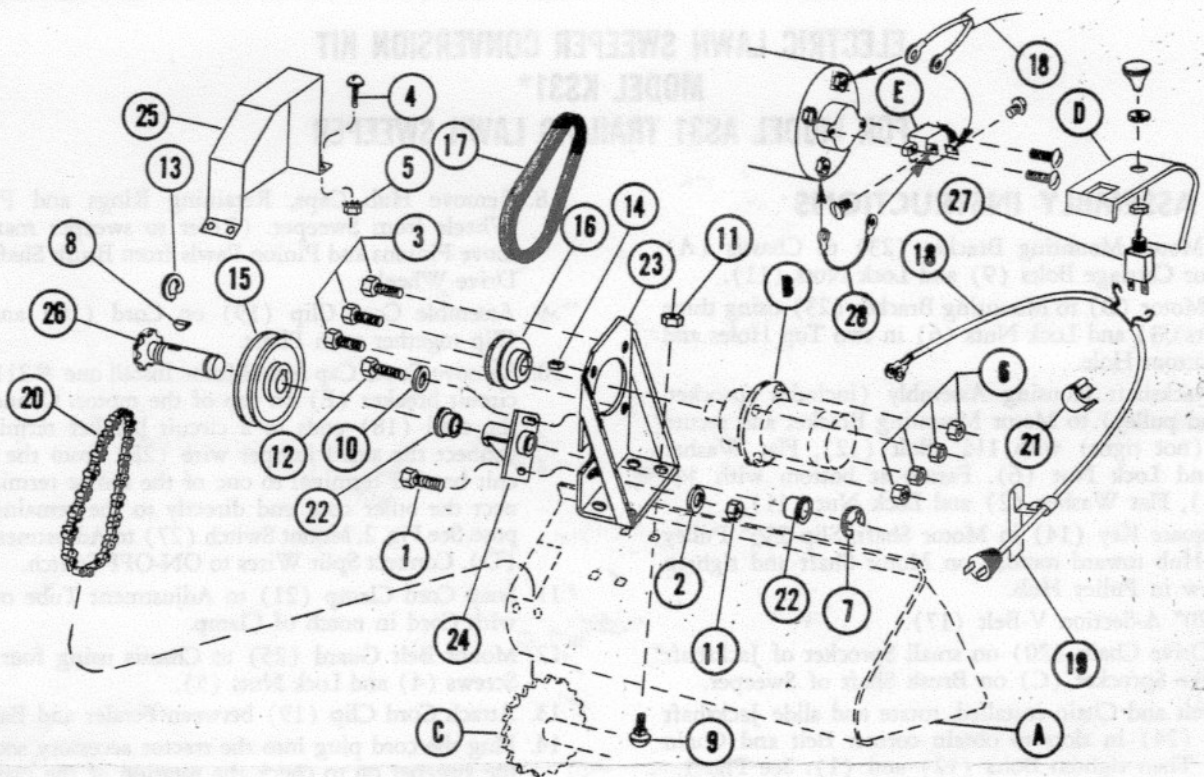
\*Requires Electric Motor 211A3435G1 with Automatic Reset Circuit Breaker

Made for

General Electric Company  
Outdoor Power Equipment Operation  
Corporations Park, Bldg. 702  
Schenectady, N. Y. 12305  
By Lambert Corporation

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# Drawing



# Parts List

KEY	NUMBER	QTY.	DESCRIPTION
1	L-59	1	$\frac{5}{16}$ "-18 x $\frac{3}{4}$ " Hex Cap Screw
2	L-99	1	$\frac{5}{16}$ " S.A.E. Flat Washer
3	L-172	3	$\frac{1}{4}$ "-20 x $\frac{3}{4}$ " Hex Cap Screw
4	L-242A	4	#10-24 x $\frac{1}{2}$ " Rd. Head Mach. Sc.
5	L-242B	4	#10-24 Kep-Nut
6	L-303	4	$\frac{1}{4}$ "-20 Lock Nut
7	X-1003	1	$\frac{3}{4}$ " E-Type Ref. Ring
8	X-1008	1	#9 Woodruff Key
9	X-1042	4	$\frac{5}{16}$ "-18 x $\frac{5}{8}$ " Carr. Bolt
10	X-1099	1	$\frac{1}{4}$ " S.A.E. Flat Washer
11	X-1107	5	$\frac{5}{16}$ "-18 Lock Nut
12	X-1182	1	$\frac{1}{4}$ "-20 x $1\frac{1}{4}$ " Hex Cap Screw
13	X-1363	1	$\frac{3}{4}$ " Crescent Ring
14	X-1394	1	$\frac{3}{32}$ " Sq. x $\frac{1}{2}$ " Key

KEY	NUMBER	QTY.	DESCRIPTION
15	1-1804	1	5" O.D. A-Sect. Pulley
16	1-1805	1	2 $\frac{1}{2}$ " O.D. A-Sect. Pulley
17	1-1806	1	20" A-Sect. Belt
18	1-1808	1	10' Cord w/Switch & Rec.
19	1-1809	1	Cord Clip
20	1-1810	1	#65-46 Pitch Chain
21	4-10146	1	Cord Clamp
22	4-10697	2	Jackshaft Bushing
23	1A-1794	1	Mounting Bracket Ass'y.
24	1A-1798	1	Jackshaft Mounting Ass'y.
25	1A-1801	1	Belt Guard
26	1A-1803	1	Jackshaft Ass'y.
27	1A-1824	1	On-Off Switch
28	1A-1830	1	Circuit Breaker Wire

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