FMC

Bolens®

Electric Lift Kit

Model 18325

Installation Instructions

With Parts List

Thank you for purchasing this piece of FMC Bolens equipment. We feel you now own one of the finest pieces of equipment available.

This is a safety, operation and general maintenance manual which does not attempt to cover major repairs. FMC Bolens equipment is carefully designed, engineered, and manufactured to give good performance if properly operated and maintained. Review this manual to familiarize yourself with the unit, its features and its operation.

This equipment is a product of FMC Corporation, Outdoor Power Equipment Division, 215 South Park Street, Port Washington, Wisconsin, 53074, telephone 414-284-5521. If you should have any questions or encounter any problems, which you feel only the factory can solve, write to the above address or phone, attention the Service Department.

Your Warranty Statement is included, under separate cover with this manual. Please read it carefully. Also, please return the completed postpaid owner registration card which is included with this manual. The purpose of this card is to register each unit and owner at the factory for safety purposes.

IDENTIFICATION NUMBERS

To ensure prompt service when repairs or adjustments are required, your FMC Bolens Dealer must have the following information:

Model/Serial Number of Unit
(Located on lift cylinder)

_____

Date of Purchase

_____

CAUTION

WE URGE USING ONLY GENUINE FACTORY REPLACEMENT PARTS, WHICH MEET ALL OF THE LATEST SAFETY REQUIREMENTS. REPLACEMENT PARTS MANUFACTURED BY OTHERS COULD PRESENT SAFETY HAZARDS EVEN THOUGH THEY MAY FIT ON FMC BOLENS PRODUCTS.

552905-1 (5/78)
Supersedes 552905

INSTALLATION

Disconnect battery cable from negative (-) battery terminal.

Remove manual lift lever and lift shaft assembly as follows:

1. Remove the lift lever guide bracket from the lift lever.

2. Remove retainer ring from lift lever side of lift shaft.

3. Remove retainer ring from other end of lift shaft.

4. Remove bushing on lift lever end of shaft and remove quadrant.

5. Remove shaft from tractor frame.

Install new lift shaft assembly as follows:

1. Install lift shaft "A" Fig. 1, by inserting long end into Right frame rail first. Install short end into bushing "B" in Left frame rail.

2. With flange to outside, install other bushing "B" over right end of lift shaft and press in frame until bushing flange bottoms against frame rail.

3. Place a shim washer "C" Fig. 1, over each end of lift shaft as necessary (no more than two shims total) and secure assembly with retainer ring "D" on each end.

Secure support bracket "E" Fig. 2, to Left frame rail with 3/8-16 x 3/4 hex capscrews and nuts as shown in Fig. 2.

The mounting holes for this bracket are predrilled in the Left frame rail.

Position rod end of actuator "E" between the lift levers and secure with 1/2 x 2-1/4 clevis pin "G", two 1/2 flat washers and spring cotters as shown in Figures 1 and 2. Note: The flat washers are to be installed under the head of the clevis pin.

Position opposite end of actuator in support bracket as shown and secure with 1/2-13 x 3-3/4 hex capscrew and locknut. See Figure 2.

On Model 18325-02 spacer (H) Fig. 1, is provided. Position it between the actuator and bracket (E) before securing the hex capscrew.

If a knockout is not provided in the instrument panel for the lift switch, layout and drill one 1/2 inch (13 mm) hole per dimensions in Figure 3.

Remove the backing from the decal packaged with the unit and install on instrument panel.

Unhook the two straps securing the fuel tank and tip the tank to the side to allow access to the rear of the instrument panel.

Attach the three wire leads to switch "I" Figs. 2 and 4, as shown in wiring diagram. Install switch into drilled hole in instrument panel.

Insert the polarized plug on the "Red" and "Yellow" lead into the polarized receptical "J" of the actuator. See Fig. 4.

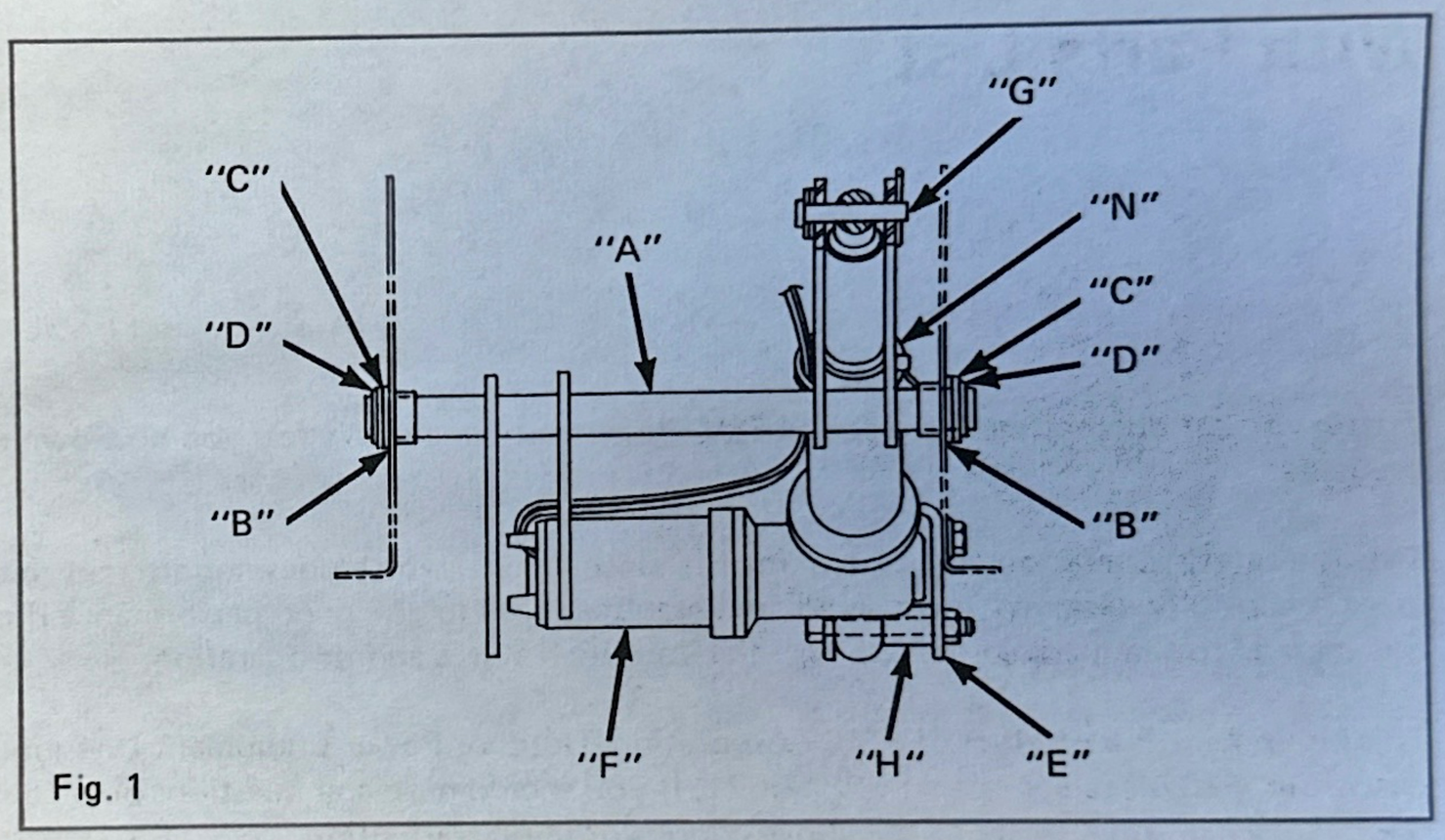

Fig. 1

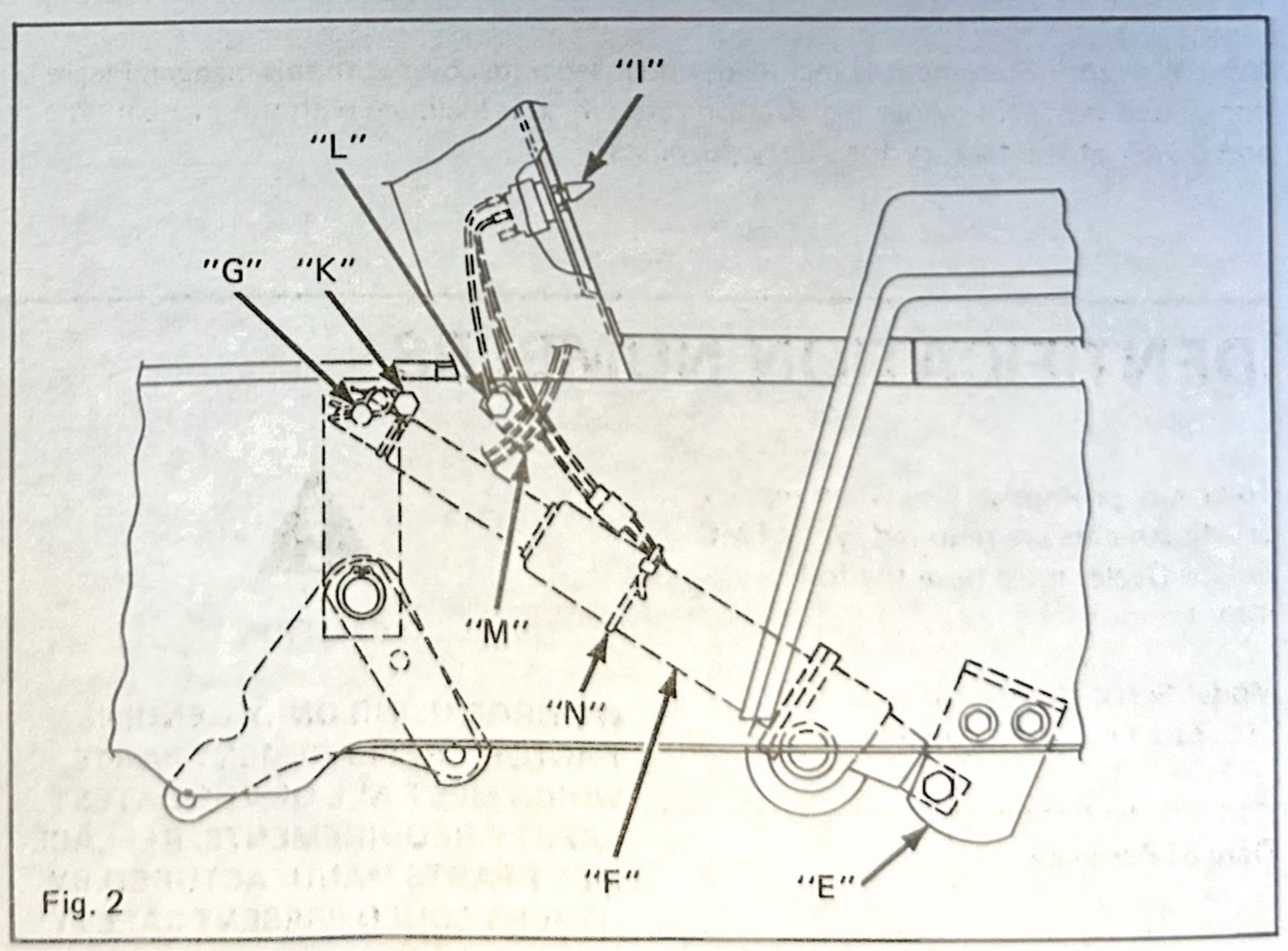

Fig. 2

Attach the free end of the "Red" lead to the "Red" wire from the ignition switch with splicing connector as shown in wiring diagram, Fig. 4.

Remove the fuel tank support capscrew "K" Fig. 2 nearest the instrument panel. Discard the capscrew and secure the 3/8 -16 x 5/8 lg. screw provided in its place.

Remove screw from frame at hole "L". Locate clip "M" in kit. Route throttle and choke cables through it. Slip the black ground lead and clip onto screw and fasten with nut removed earlier. It may be necessary to flatten the clip to avoid interference.

NOTE: Scrape paint away from area, the ring terminal will contact frame to insure a good connection.

Place tank into its original positon and secure with the two holddown straps.

Secure actuator leads to actuator housing as shown in Figure 2 with cable tie "N" furnished.

Reinstall negative (-) battery cable.

Test lift for proper operation. Lift should raise attachment when switch is moved up and lower attachment when switch is moved down. If lift operates in the direction opposite to that described above, reverse the leads on the rear of the switch.

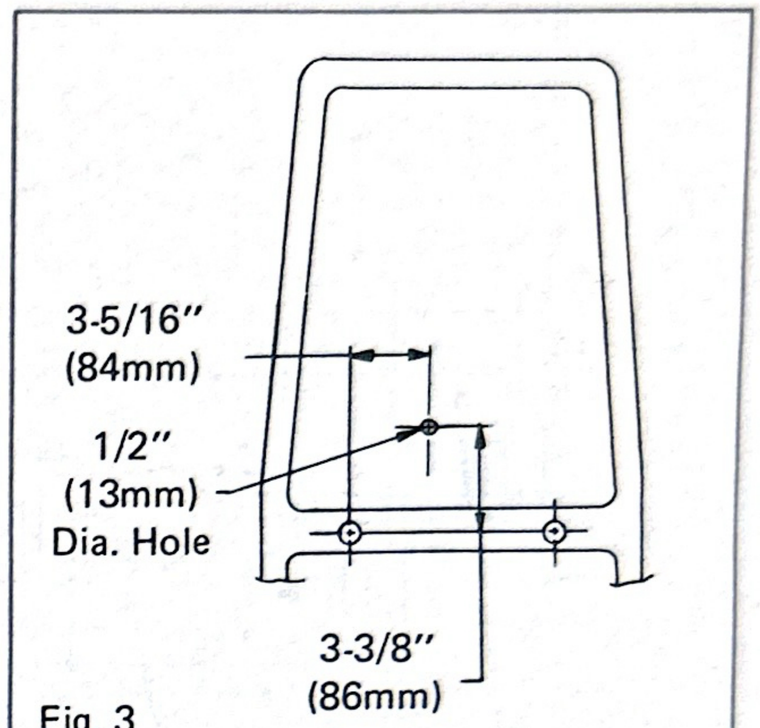

Fig. 3

1. Lift Actuator
2. Lift Switch
3. Ignition Switch
4. Connector

Y= Yellow
R= Red

Rear View Of Attachment Lift Switch

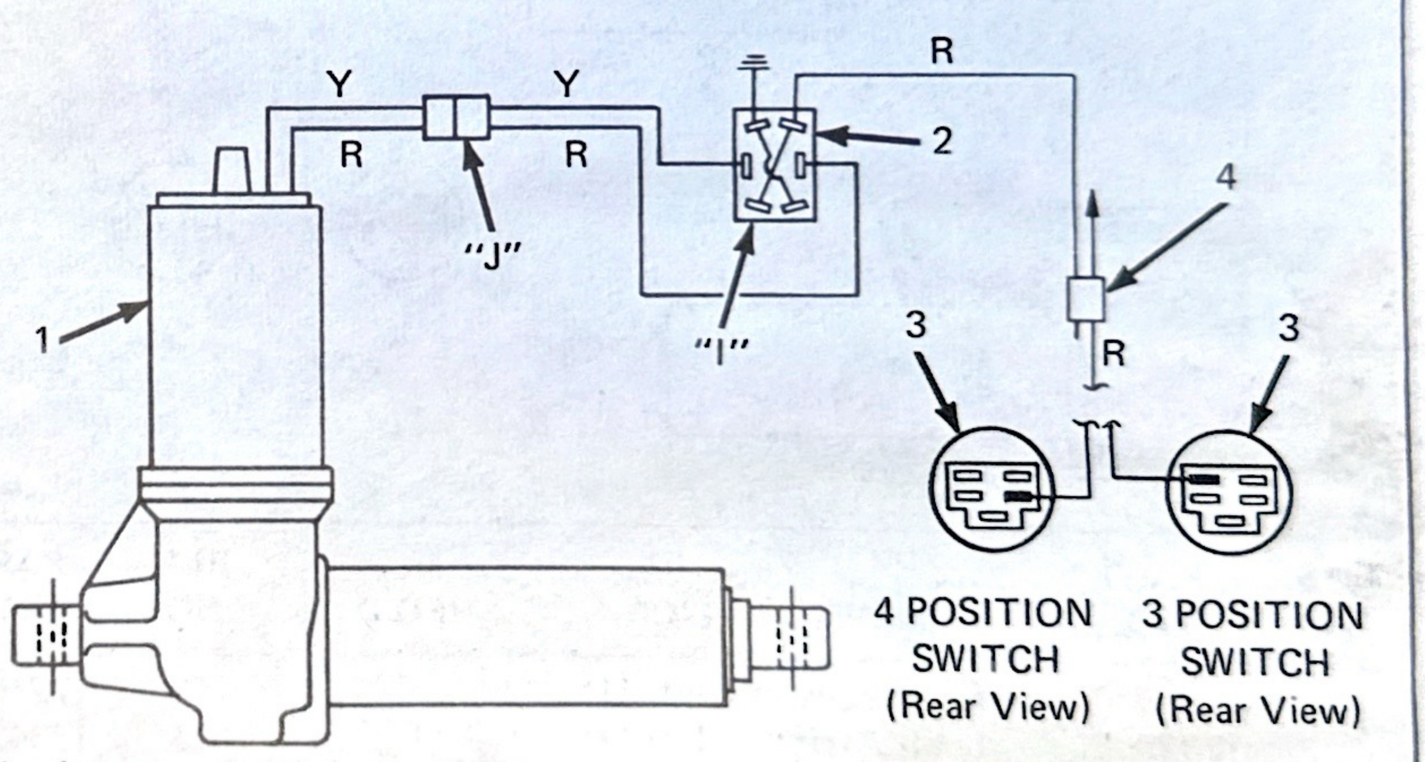

Fig. 4

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	REMEDY
Lift does not operate	Main circuit-breaker in tractor tripped	Check tractor wiring for an open circuit or ground
Lift does not reverse direction immediately after operating in one direction	Circuit breaker in unit tripped	Will reset after approximately 10 to 15 seconds
Lift operates in only one direction, stalls and does not move	Wiring not correct on rear of switch	Compare wiring on the rear of switch with wiring diagram and correct as necessary

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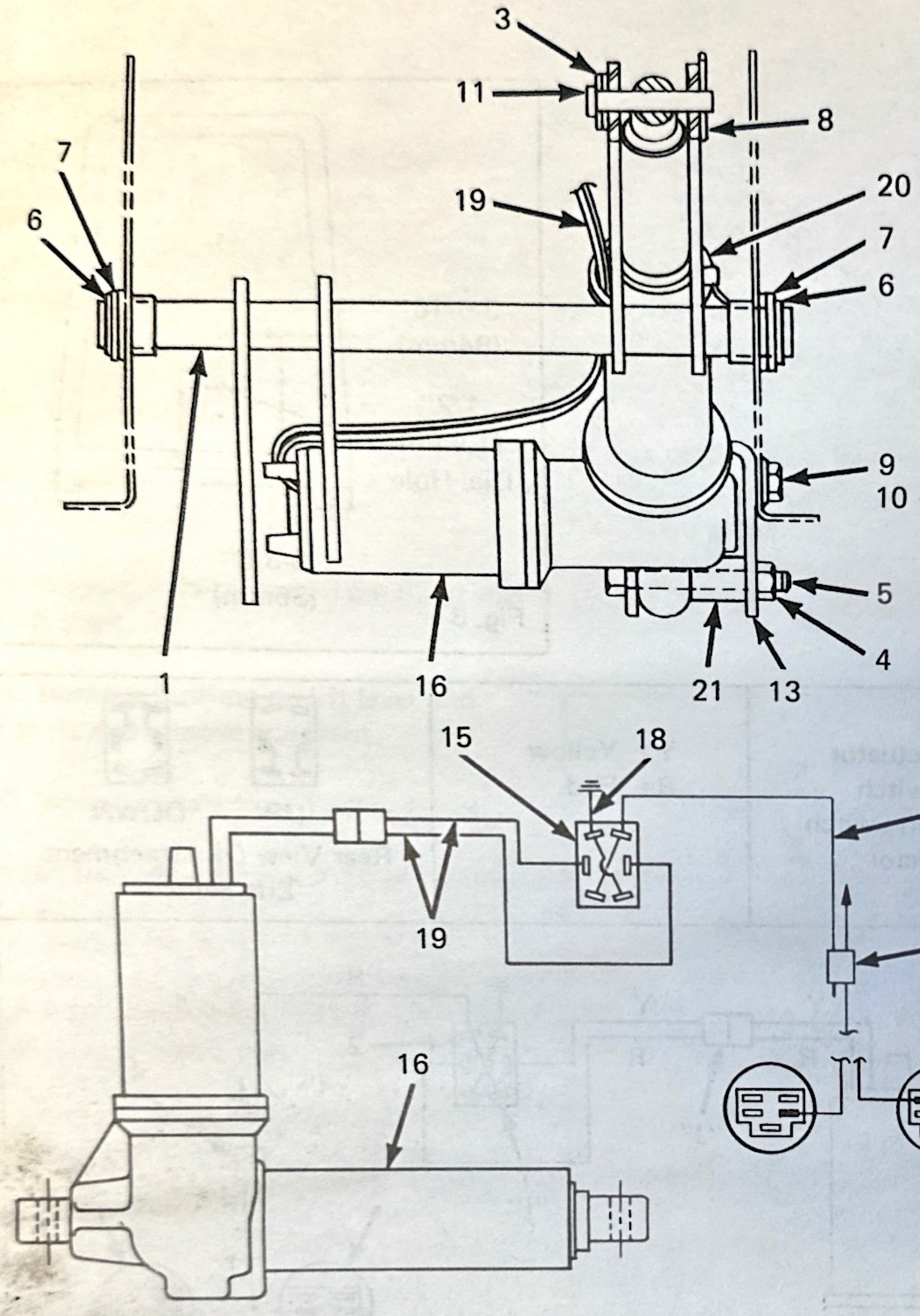
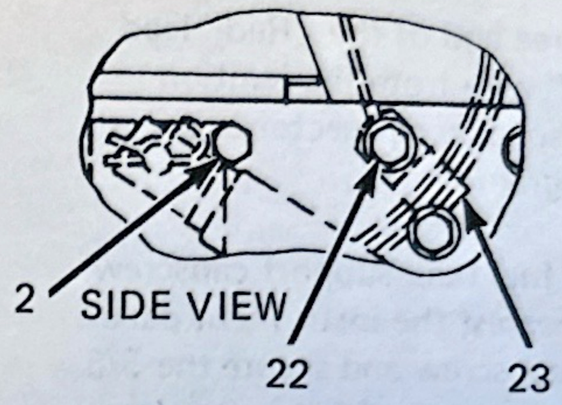
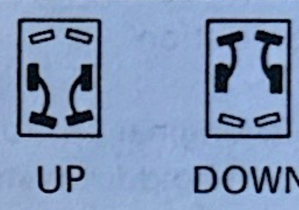
ELECTRIC LIFT KIT

MODEL 18325







Rear view of attachment lift switch

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1729014	Shaft Assembly-Lift (1) . . .	1
	1733906	Shaft Assembly-Lift (2) . . .	1
2	*1103212	Hex Hd. Screw, 3/8-16 x 5/8.	1
3	*1107385	Flat Washer, 1/2	2
4	*1110110	Locknut, 1/2-13	1
5	*1111622	Hex Hd. Screw, 1/2-13 x 3-3/4	1
6	1118554	Retaining Ring	2
7	1185816	Shim Washer.	As Req'd.
8	1185590	Spring Cotter	1
9	1186345	Whiz Lock Screw, 3/8-16 x 3/4	2
10	1186393	Whiz Lock Nut, 3/8-16. . . .	2
11	1708336	Clevis Pin.	1
12	1721038	Connector	1
13	1734219	Support Bracket	1
14	1729314	Decal (Instructions) (1) . . .	1
	1734575	Decal (Instructions) (2) . . .	1
15	1729315	Switch.	1
16	1729316	Actuator	1
17	1729317	Lead, Ignition.	1
18	1729318	Lead, Ground	1
19	1729319	Lead	1
20	1805345	Cable Tie	1
21	1732265	Spacer (2)	1
22	1186347	Flange Hd. Screw, 3/8-16 x 1	1
23	1732262	Clip (2)	1

(1) Serial Numbers 0100101 thru 0199999
(2) Serial Numbers 0200101 and up

*Common Hardware - Purchase locally (Grade 5 where applicable)

Printed by
FMC Corporation
Outdoor Power Equipment Division
Port Washington, Wisconsin 53074