



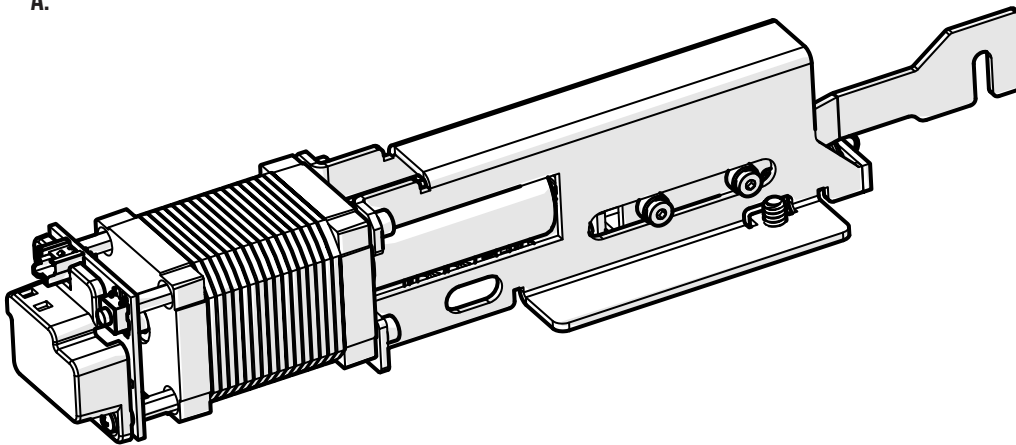
MLRK1-FAL17

INSERT INSTRUCTIONS

The Command Access MLRK1-FAL17 is a field installable motorized latch-retraction kit for:

- Falcon 16 & 17 series devices
- First Choice 36 & 37 series devices

A.



B.



C.



KIT INCLUDES

- A. 60715 Motor Assembly w/MM5
- B. 50944 Molex Pigtail
- C. (3) 40124 10-24 x 3/8" Phillips Screws (Silver)
(3) 40125 10-24 x 3/8" Phillips Screws (Black)

TOOLS REQUIRED

Cordless Drill or Phillips Screwdriver
Hacksaw



INSTALLATION VIDEO

SPECIFICATIONS

- INPUT VOLTAGE: 24VDC +/- 10%
- AVERAGE LATCH RETRACTION CURRENT: 900 MA
- AVERAGE HOLDING CURRENT: 215 MA
- WIRE GAUGE: MINIMUM 18 GAUGE
- DIRECT WIRE RUN - NO RELAYS OR ACCESS CONTROL UNITS IN-BETWEEN POWER SUPPLY & MODULE

RECOMMENDED POWER SUPPLIES: **USE A POWER LIMITED CLASS 2 POWER SUPPLY**

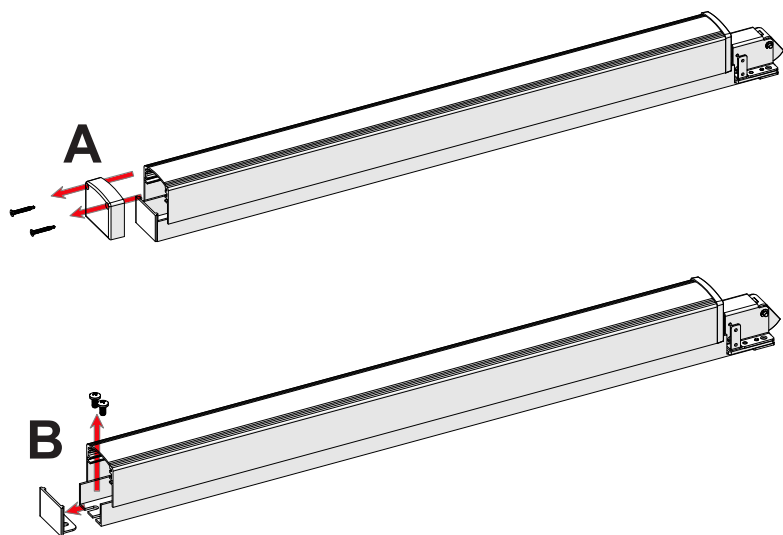
ALL COMMAND ACCESS EXIT DEVICES & FIELD INSTALLABLE KITS HAVE BEEN THOROUGHLY CYCLE TESTED WITH COMMAND ACCESS POWER SUPPLIES AT OUR FACTORY. IF YOU PLAN ON USING A NON-COMMAND POWER SUPPLY IT MUST BE A FILTERED & REGULATED LINEAR POWER SUPPLY.

BUILT-IN REX

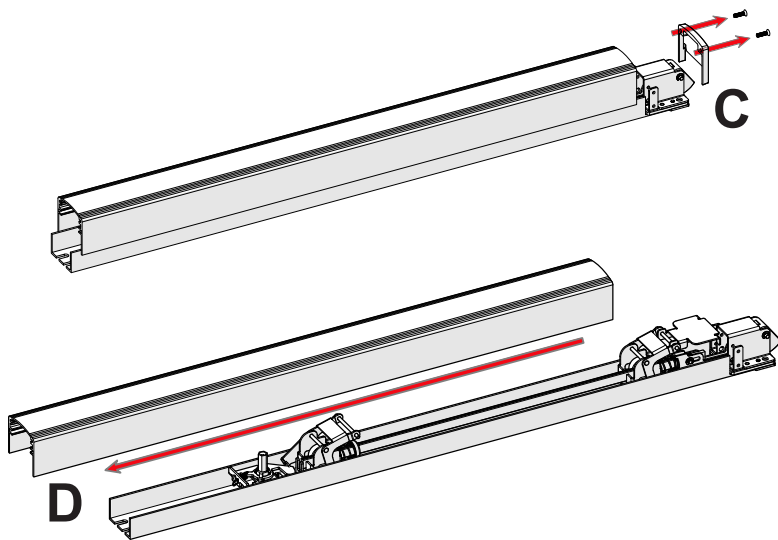
- SPDT - RATED .5A @24V
- GREEN= COMMON (C)
- BLUE = NORMALLY OPEN (NO)
- GREY = NORMALLY CLOSED (NC)

INSTALLATION INSTRUCTIONS

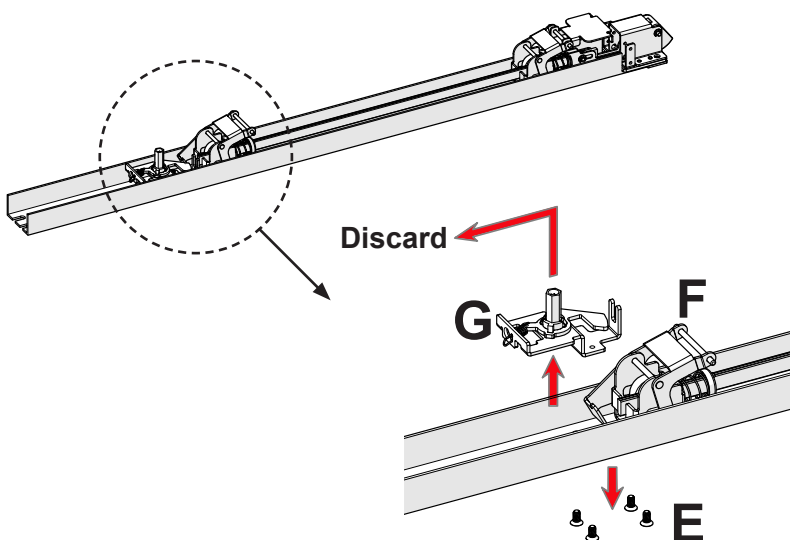
- 1.** Remove device rear end cap (A), then remove mounting bracket (B)



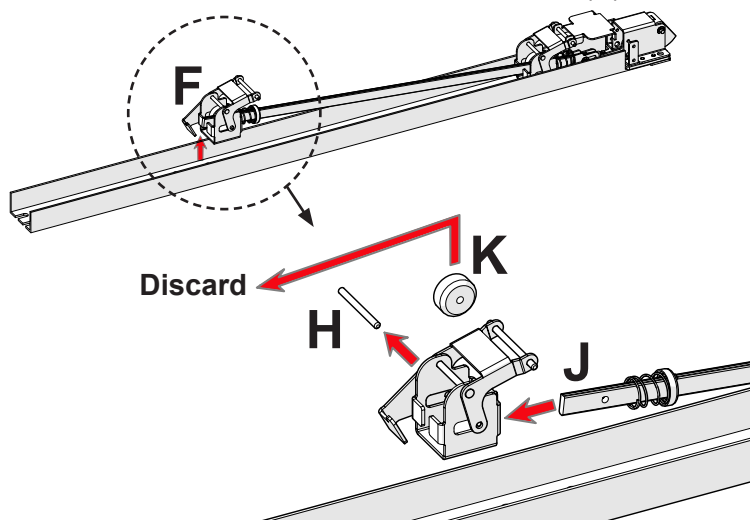
- 2.** Remove device front end cap (C), then slide push pad off of the device base rail (D)



- 3.** Remove 4 screws (E), 2 from rear activating bracket (F) and 2 from dogging assembly (G), if applicable



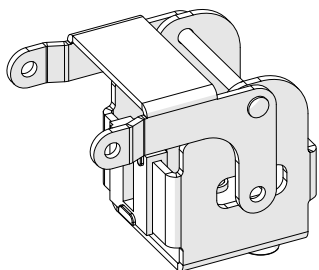
- 4.** Lift activating bracket up (F), remove connecting rod pin (H), separate activating bracket from connecting rod (J), then remove and discard rubber bumper (K)



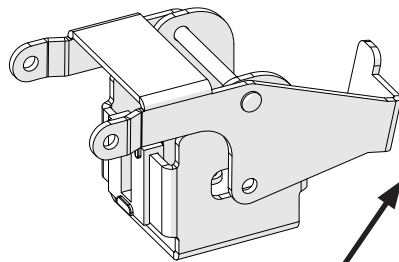
- 5.** Inspect activating bracket to determine the type and if it needs modification

Type FAL = no modification

Type FC30 = needs modification

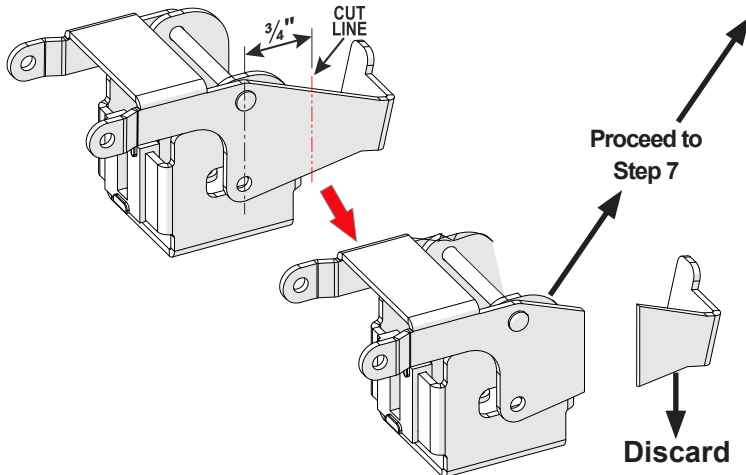


Proceed to
Step 7



Proceed to
Step 6

- 6.** Modification of FC30 type activating bracket only, measure approximately 3/4" from connecting rod pin hole and cut off excess material past the cut line

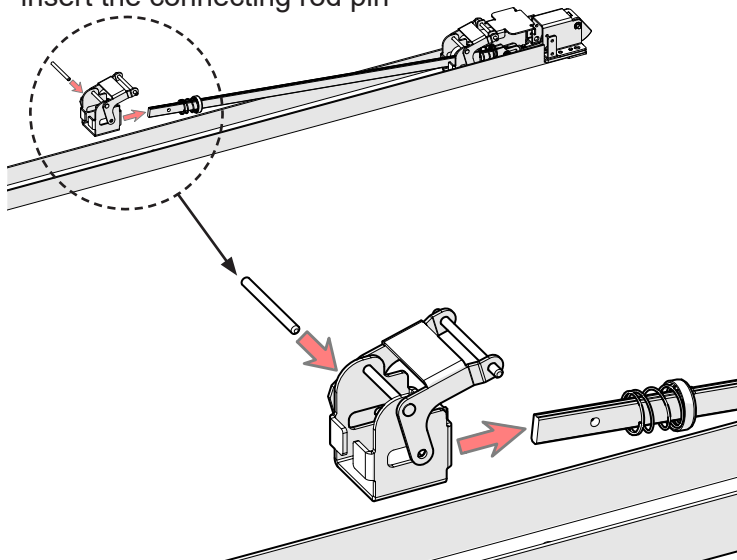


Proceed to
Step 7

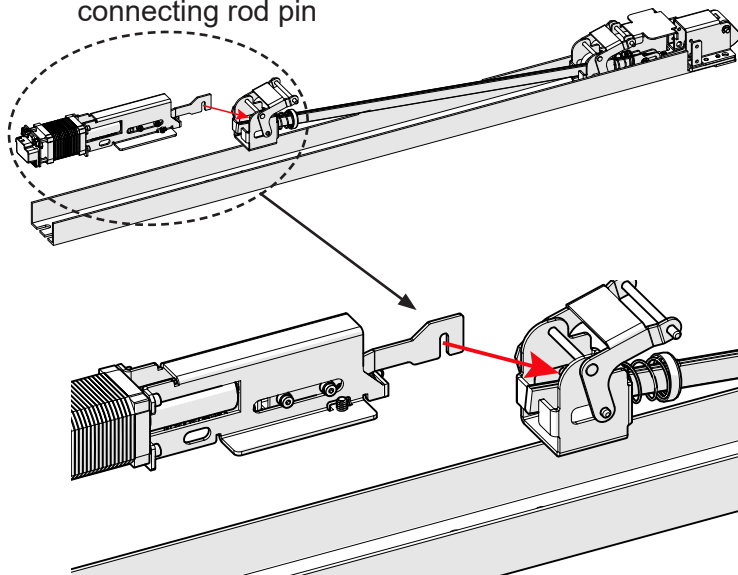
Discard

INSTALLATION INSTRUCTIONS

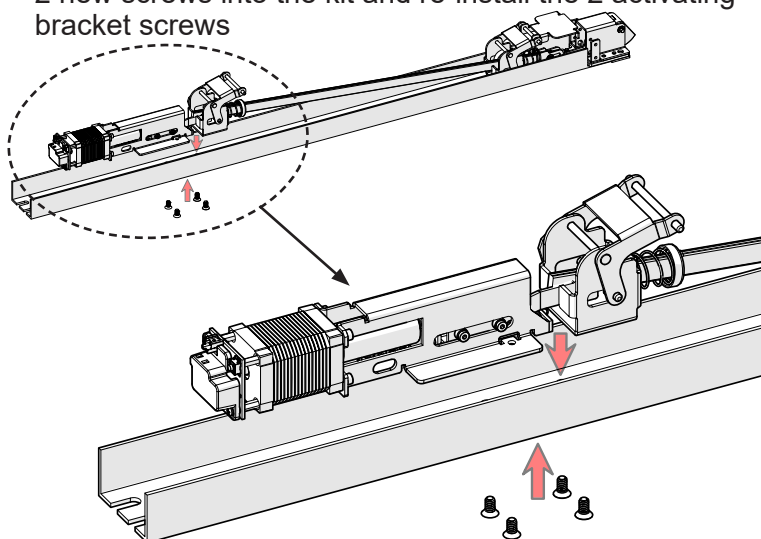
- 7.** Re-install activating bracket on connecting rod and insert the connecting rod pin



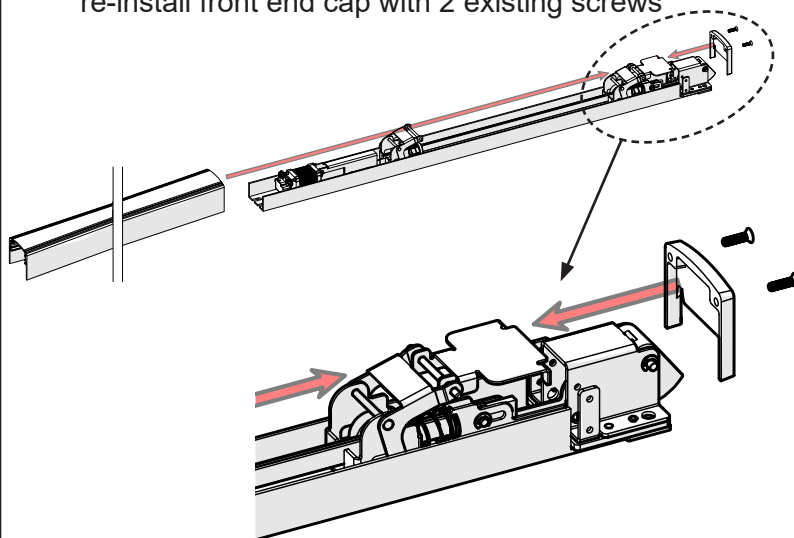
- 8.** Place motor kit in position with front hooking over the connecting rod pin



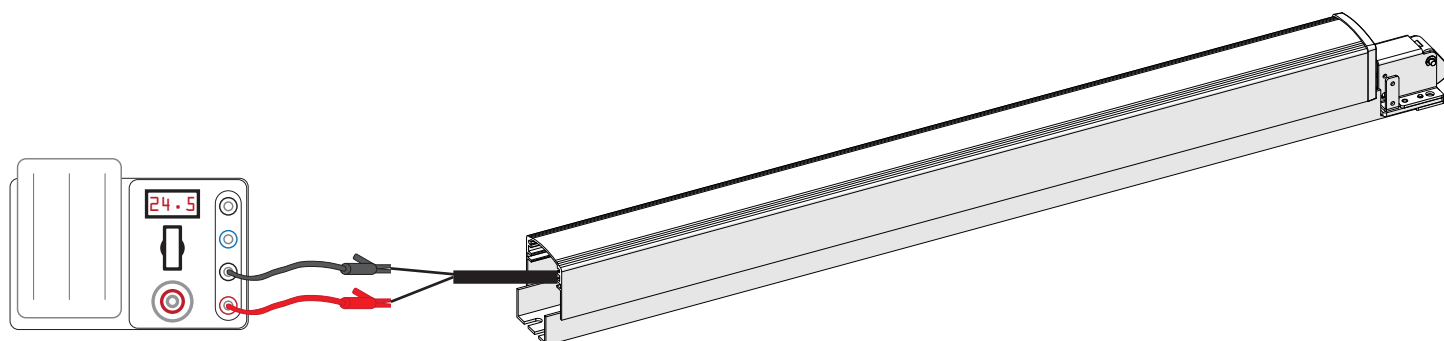
- 9.** Set motor kit and activating bracket into housing, install 2 new screws into the kit and re-install the 2 activating bracket screws

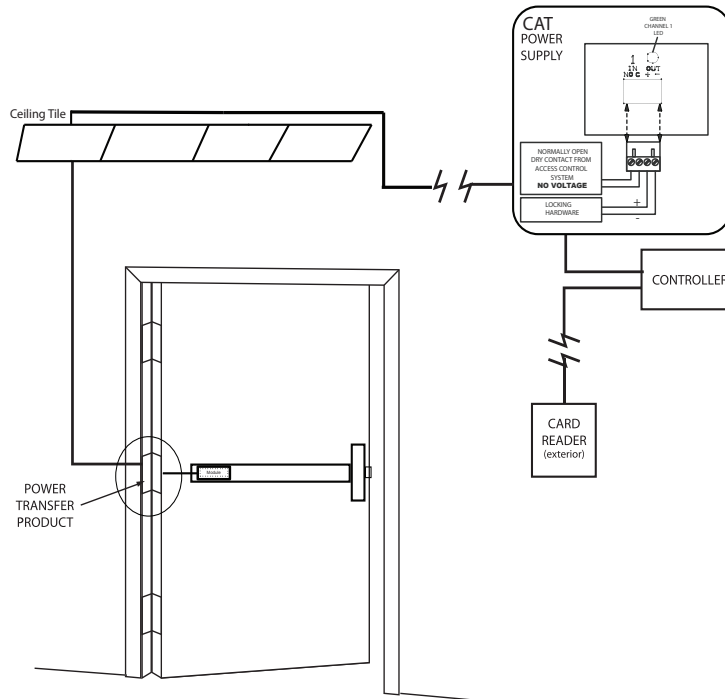


- 10.** Slide push pad into place with both pins and plate sliding into the lower channel of the extrusion, then re-install front end cap with 2 existing screws



- 11.** Test to make sure device is retracting properly and refer to PTS programming on page 4 to adjust





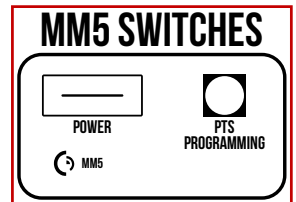
SETTING PUSH TO SET (PTS)

TO PUT THE DEVICE IN PTS MODE, FOLLOW THESE STEPS:

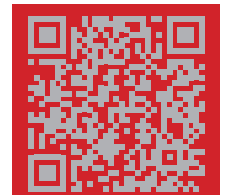
- Depress the MM5 button.
- Apply power and listen for short beep, which indicates that the device is now in PTS mode.
- Remove power.
- Release the button, but make sure you don't release it until the power is no longer going to the motor.

SET ADJUSTMENT:

- Depress the pushpad fully then release it 1/32", & hold.
- Apply power.
- Continue to hold the pushpad until the device gives you long beep.
- Remove power.



Note: Test the new location multiple times; if not to your liking, repeat the steps.



PTS VIDEO

TROUBLESHOOTING & DIAGNOSTICS

BEEPS	EXPLANATION	SOLUTION
2 Beeps	Over Voltage	> 30V unit will shut down. Check voltage & adjust to 24 V.
3 Beeps	Under Voltage	< 20V unit will shut down. Check voltage & adjust to 24 V.
4 Beeps	Failed Sensor	Verify all 3 sensor wires are installed correctly. Replace sensor if problem persists by contacting office.
5 Beeps	Retraction or dogging failure	After 1st fail: 5 beeps then immediately attempts to retract again. After 2nd fail: 5 beeps with pause in-between for 30 seconds then device attempts to retract again. After 3rd fail: 5 beeps every 7 minutes, device will not attempt to retract. To Reset: Depress bar for 5 seconds at any time.