

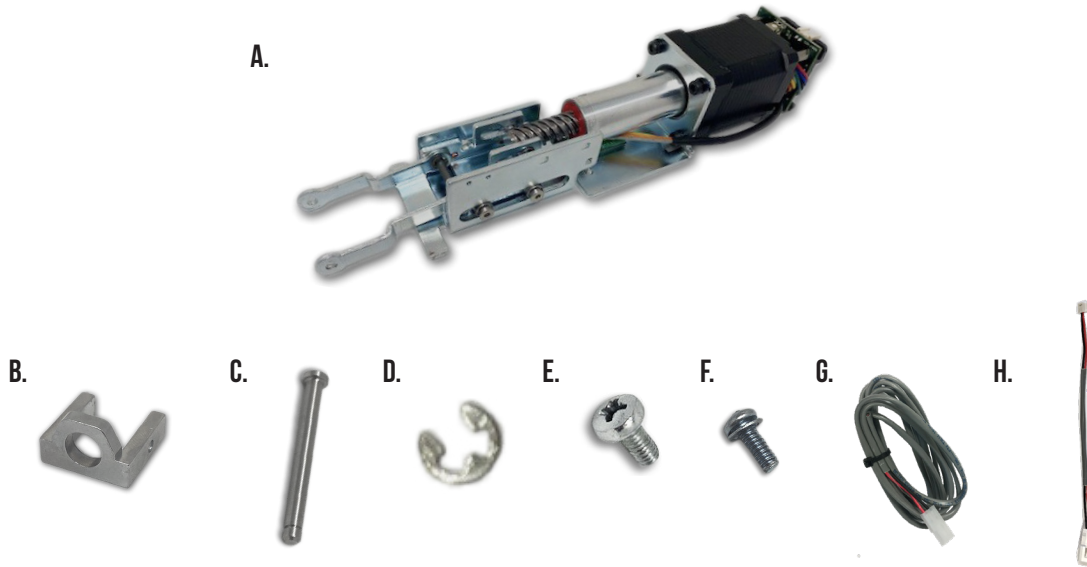
MLRK1-MRK



INSERT INSTRUCTIONS

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

- MLRK1-MRK - Marks M9900 series devices
- MLRK1-DH - Design Hardware 1000 series device



KIT INCLUDES

- | | |
|--|--|
| A. (1) 60412 - MLRK1-MRK | F. (1) 40442 - POSITION SET SCREW |
| B. (1) 51023 - CONNECTING BRACKET | G. (1) 50030 - 8' LEAD W/ VD CONNECTOR |
| C. (1) 51048 - CONNECTING PIN | H. (1) 50944 - MOLEX PIGTAIL |
| D. (3) 40067 - E-CLIP | |
| E. (2) 40929 - M4 PHILLIPS FLAT HEAD SCREW | |



INSTALLATION VIDEO

SPECIFICATIONS

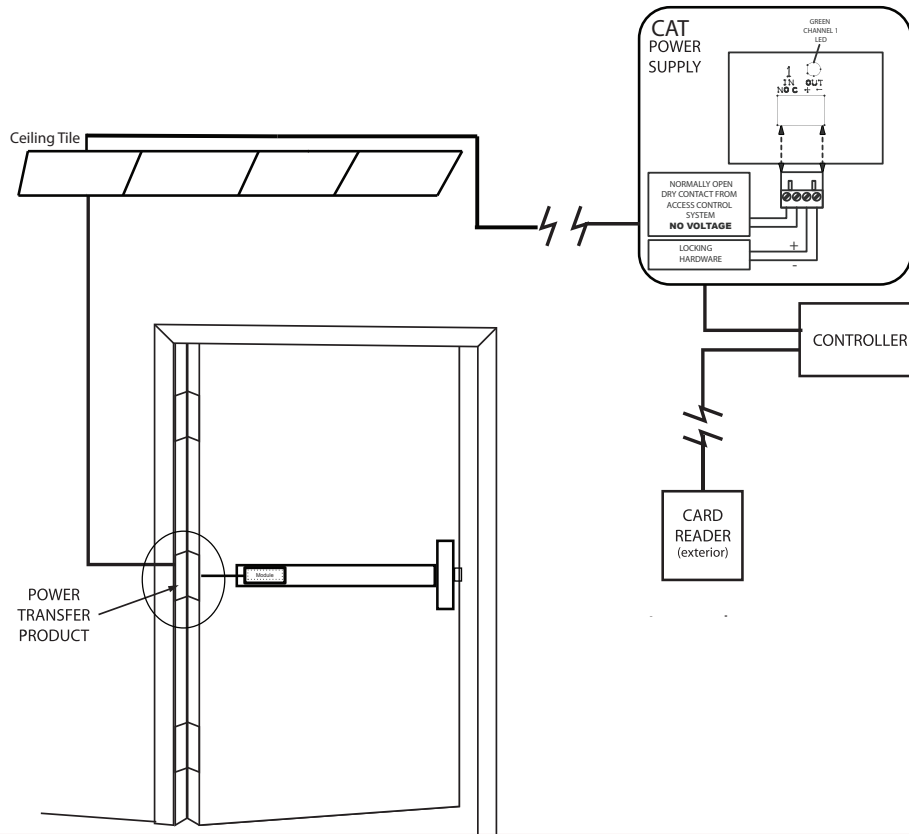
- INPUT VOLTAGE: 24VDC +/- 10%
- AVERAGE **LOW** TORQUE LATCH RETRACTION CURRENT: 900 MA
- AVERAGE **HIGH** TORQUE LATCH RETRACTION CURRENT: 2A
- AVERAGE HOLDING CURRENT: 215 MA
- WIRE GAUGE: MINIMUM 18 GAUGE
- DIRECT WIRE RUN - NO RELAYS OR ACCESS CONTROL UNITS IN-BETWEEN POWER SUPPLY & MODULE

OPTIONAL BUILT-IN REX

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

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.



SETTING PUSH TO SET (PTS)

→ **MAKE SURE TO SET PTS BEFORE FINISHING INSTALLATION** ←

- STEP 1-** SELECT YOUR **PREFERRED TORQUE MODE** (SHIPS IN STANDARD TORQUE) PRESS THE DEVICE PUSH PAD TO THE DESIRED SETTING. (RECOMMEND TO FULLY DEPRESS AND RELEASE 5%, GIVING THE DEVICE ROOM FOR CHANGING DOOR CONDITIONS.)
- STEP 2-** WHILE DEPRESSING THE PUSH PAD, **APPLY POWER**. (I.E. PRESENTING THE CREDENTIAL TO THE READER).
- STEP 3-** CONTINUE TO KEEP PAD DEPRESSED, THE DEVICE WILL **BEEP 6 TIMES**. AFTER THE BEEPS HAVE STOPPED, RELEASE THE PAD AND NOW THE ADJUSTMENT IS COMPLETE. IF NOT TO YOUR LIKING REPEAT THE 3 STEPS.
- STEP 4-** ONCE YOU FOUND THE CORRECT LOCATION, **TURN PTS SWITCH TO OFF POSITION**.

MM4S SWITCHES

1	OFF	STANDARD TORQUE
	ON	HIGH TORQUE
2	ON	PTS PROGRAMMING ON
	OFF	PTS PROGRAMMING OFF

INPUT POWER OFF OFF

MM4S ON ON

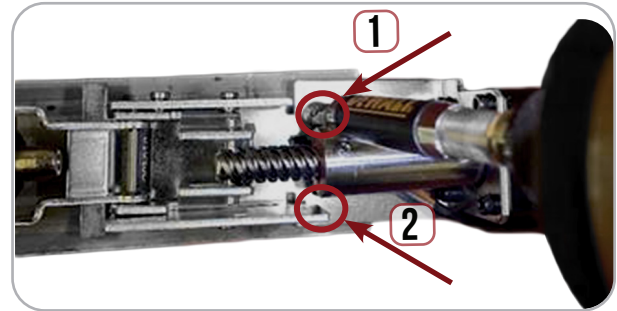
TROUBLESHOOTING & DIAGNOSTICS

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	<p>AFTER 1ST FAIL: 5 BEEPS THEN IMMEDIATELY ATTEMPTS TO RETRACT AGAIN.</p> <p>AFTER 2ND FAIL: 5 BEEPS WITH PAUSE IN-BETWEEN FOR 30 SECONDS THEN DEVICE ATTEMPTS TO RETRACT AGAIN.</p> <p>AFTER 3RD FAIL: 5 BEEPS EVERY 7 MINUTES, DEVICE WILL NOT ATTEMPT TO RETRACT.</p> <p style="text-align: center;">TO RESET: DEPRESS BAR FOR 5 SECONDS AT ANY TIME.</p>
6 BEEPS	PUSH TO SET	DEVICE IS RECORDING IT'S NEW POSITION AND POWER MODE AFTER THE 6TH BEEP.

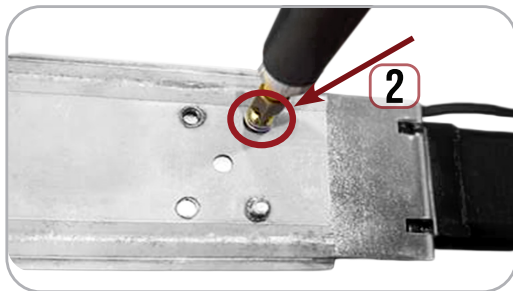
1. Slide off **push pad assembly** from exit device.



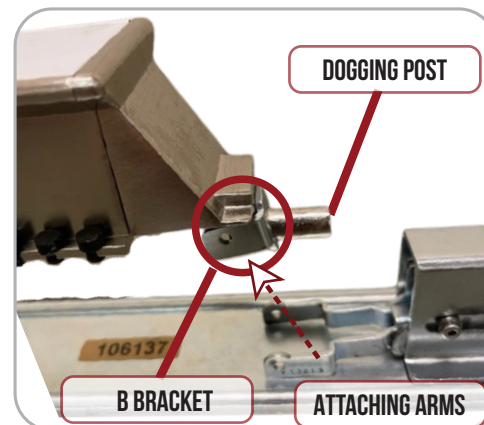
2. Line up **Mounting Holes** on **Motor Kit** with screw holes on **Spacer/Base Rail**. Install screw (E) into hole #1 from top of baserail.



3. Turn full assembly to the side & install (E) **Screw** from underneath into hole #2 to secure motor kit to Base Rail.



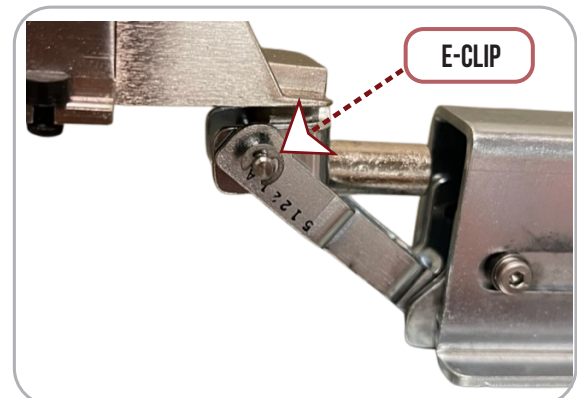
4. Slide the (B) **Connecting Bracket** over the **Dogging post** at the end of the push pad. Next, move **Attaching Arms** on motor kit up to line up with holes on **B Bracket**.



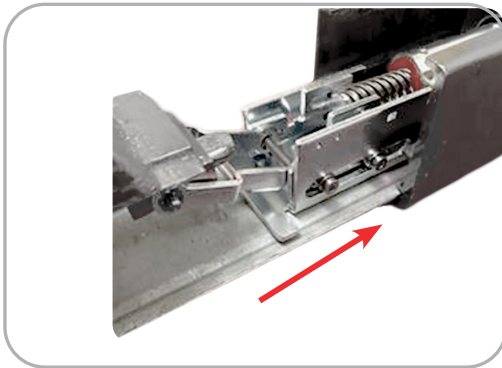
5. Once Attaching Arms are lined up insert (C) **PIN** to connect to (B) bracket.



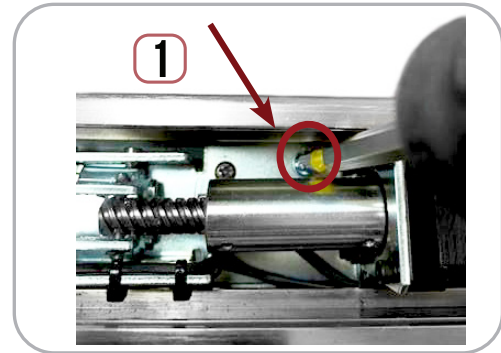
6. Install the (D) **E-CLIP** over the end of the link pin to secure.



7. Re-install **Base Rail** into **Housing**.



8. On the **Baseraill**, locate and secure the **(F) Position Set Screw**.



9. Set the **“Push to Set Adjustment”** following the steps on page 2.



MM4S SWITCHES		
1	OFF	STANDARD TORQUE
	ON	HIGH TORQUE
2	ON	PTS PROGRAMMING ON
	OFF	PTS PROGRAMMING OFF

INPUT POWER	OFF	OFF
	ON	ON

MM4S

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