



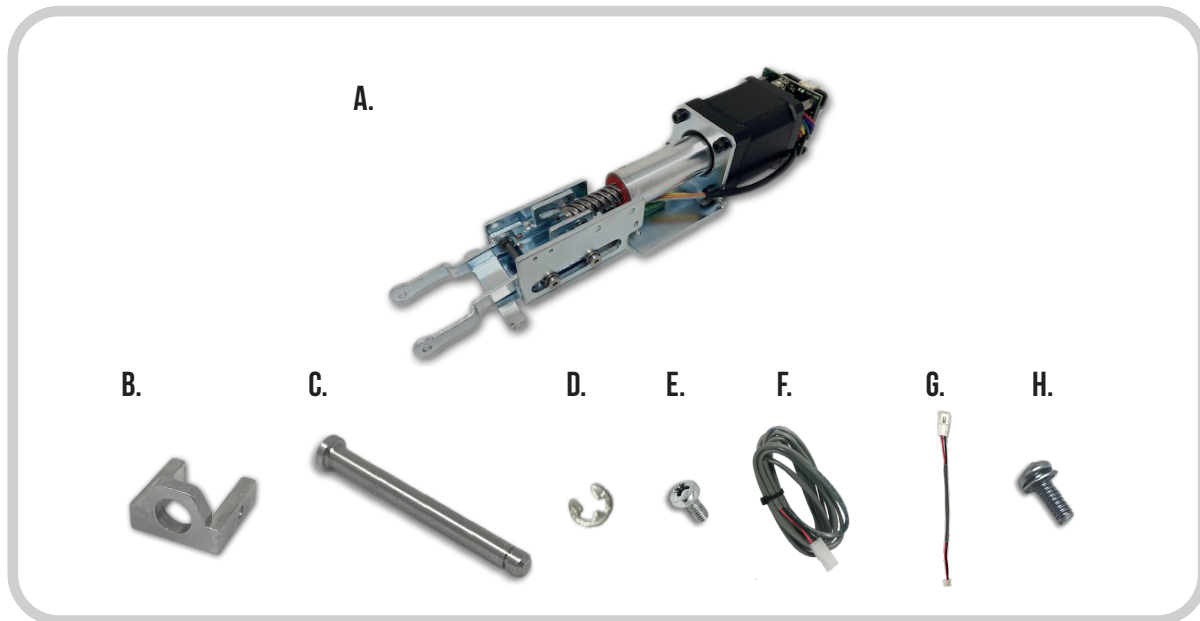
# MLRK1-MRK

2020 EDITION

## INSERT INSTRUCTIONS

The Command Access MLRK1-MRK 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. 60412 - (x1) MLRK1-MRK
- B. 51023 - (x1) Connecting Bracket
- C. 51048 - (x1) Connecting Pin
- D. 40067 - (x3) E-Clip
- E. 40929 - (x2) Phillip head screws M4
- F. 50030 - (x1) 8' Lead w/ VD Connector
- G. 50944 - (x1) Molex Pigtail
- H. 40442 - (x1) Position Set Screw

## TOOLS REQUIRED

- Phillips Screwdriver
- Needle Nose Pliers

## SPECIFICATIONS

- Input Voltage: 24VDC +/- 10%
- Wire gauge: Minimum 18 gauge
- Direct wire run - no relays or access control units in-between power supply & module

### RECOMMENDED POWER SUPPLIES:

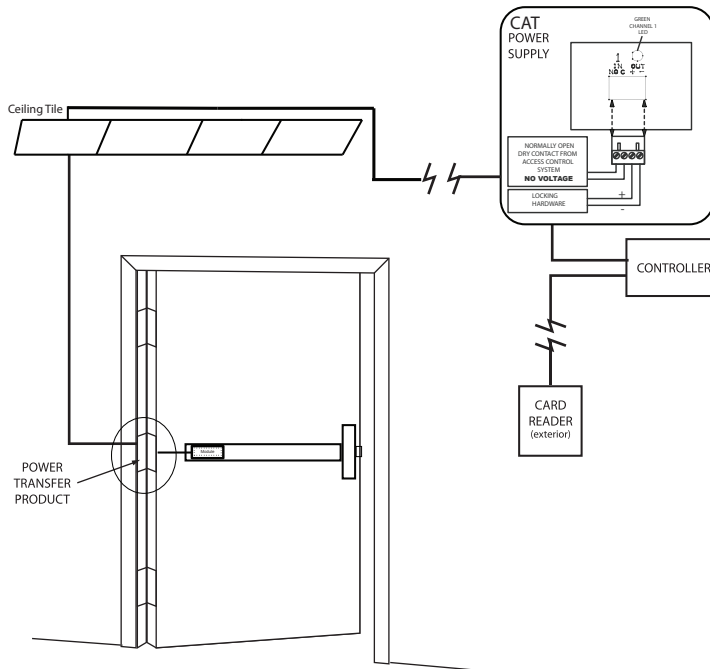
All Command Access exit devices & field installable kits have been thoroughly cycle tested with Command Access power supplies at our factory. If you plan on using a non-Command power supply it must be a filtered & regulated linear power supply.

#### STANDARD TORQUE MODE

Average Latch Retraction Current: 900 mA  
Average Holding Current: 215 mA

#### HIGH TORQUE MODE

Average Latch Retraction Current: 2 Amp  
Average Holding Current: 250 mA

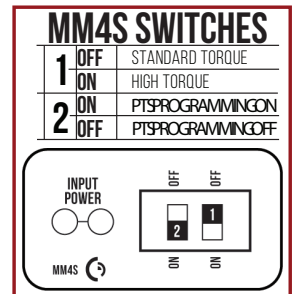


## SETTING PUSH TO SET (PTS)

**\*\*IMPORTANT INFO\*\***

**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. (We recommend to fully depress and release 5%, giving the device room for changing door conditions.)
- STEP 2** - While depressing the push pad, apply power.
- STEP 3** - Continue to keep the pad depressed, the device will beep 6 times. After the beeps have stopped, release the pad and the adjustment is now set. Test the adjustment 4 to 5 times and if not to your liking repeat the above steps.



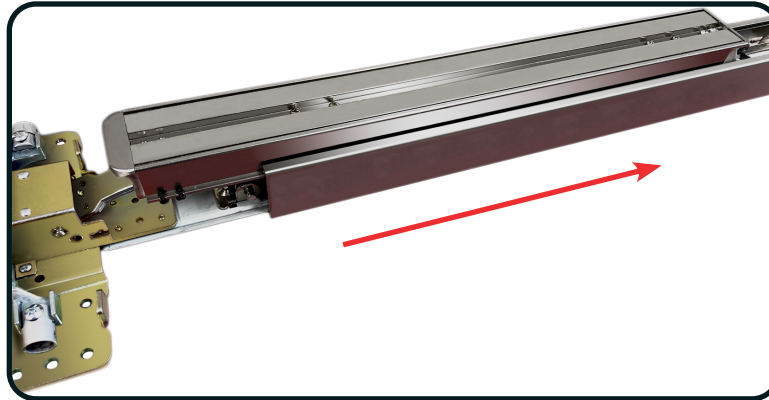
*\*Once you found your preferred adjustment, we recommend turning off the PTS programming switch.*

## TROUBLESHOOTING & DIAGNOSTICS

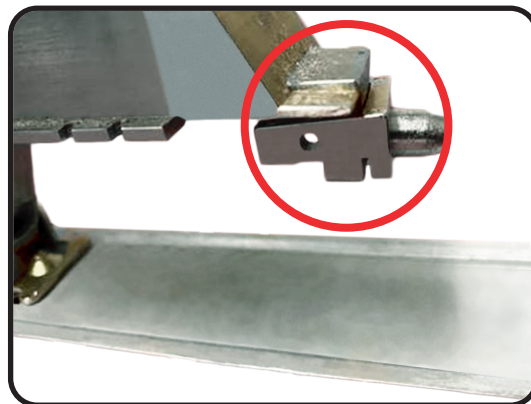
BEEPS	EXPLANATION	SOLUTION
2 Beeps	Over Voltage	> 30V unit will shut down. Check voltage & adjust to 24 V.
3 Beeps	Under Voltage	< 20V unit will shut down. Check voltage & adjust to 24 V.
4 Beeps	Failed Sensor	Verify all 3 sensor wires are installed correctly. Replace sensor if problem persists by contacting 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.
6 Beeps	<b>PUSH TO SET</b>	Device is recording it's new position and power mode after the 6th beep.

# INSTALLATION INSTRUCTIONS

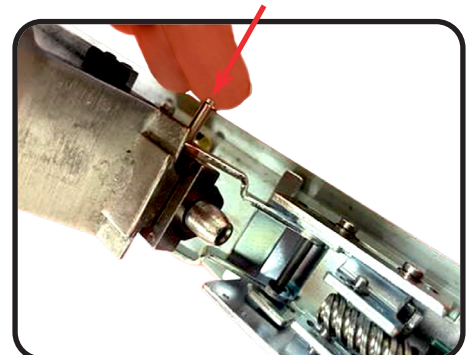
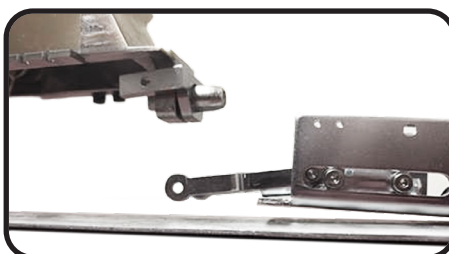
1. Remove head cover & slide off **Housing**, exposing the **Baserail**.



2. Install **Attaching Bracket** over post on back of **Push Pad**.

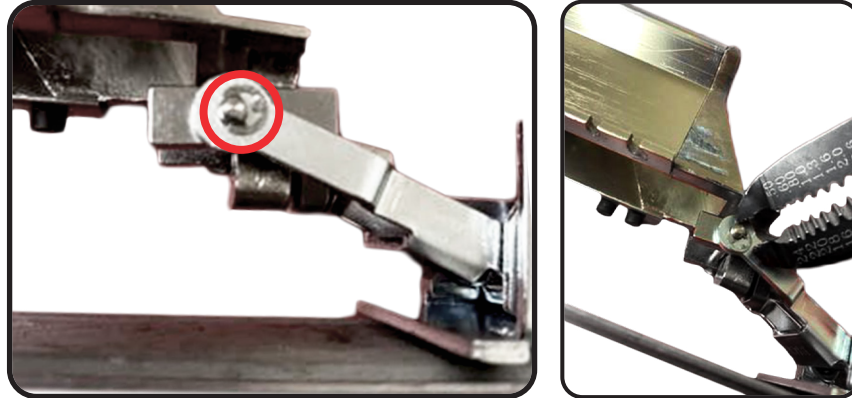


3. Line up holes on **Retraction Arm** with holes on **Attaching Bracket** and slide **Connecting Pin** through.

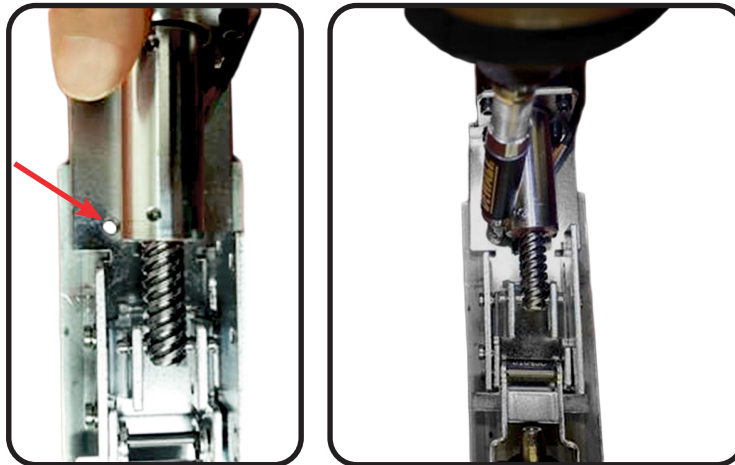


# INSTALLATION INSTRUCTIONS

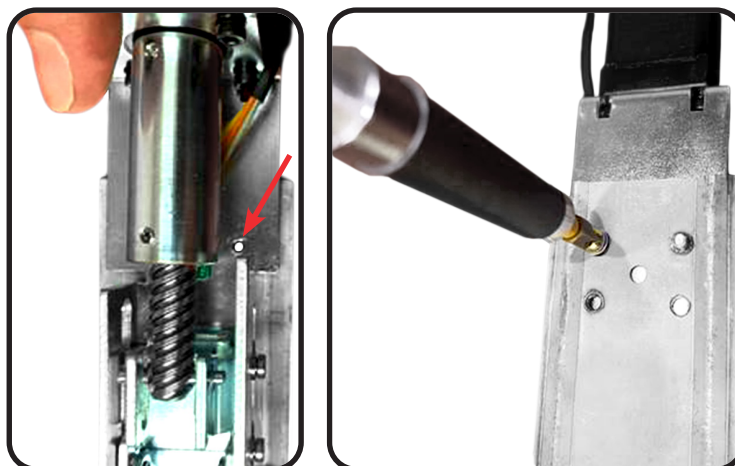
4. Attach **Small E-Clip** to **Attaching Pin**.



5. Line up **Mounting Holes** on **Motor Kit** with back set of screw holes on **Base Rail**. Next install first screw into the **Base Rail**.

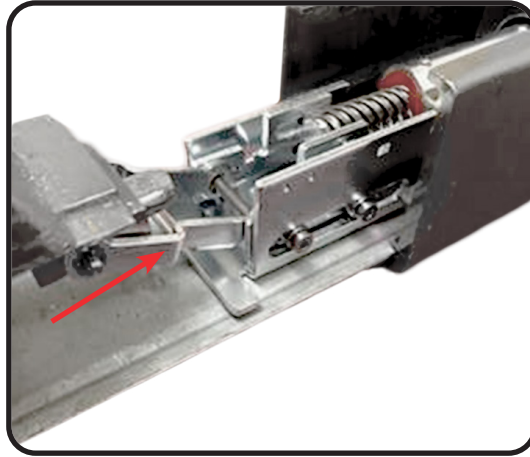


6. Flip the device over and install the second screw from the underside of the **Base Rail**.

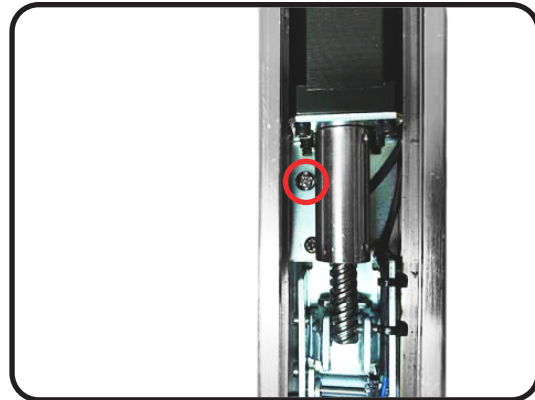
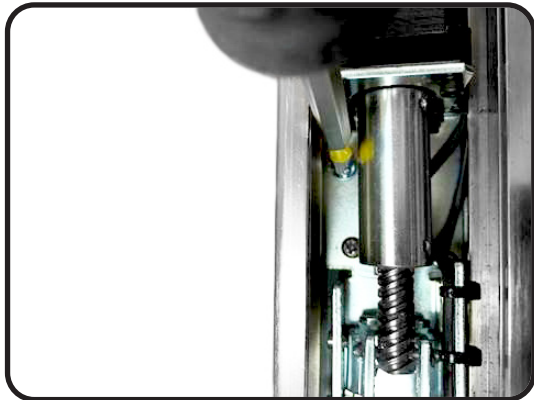


# INSTALLATION INSTRUCTIONS

7. Re-install **Base Rail** into **Housing**, perform “**PTS**” sequence and test for proper operation.



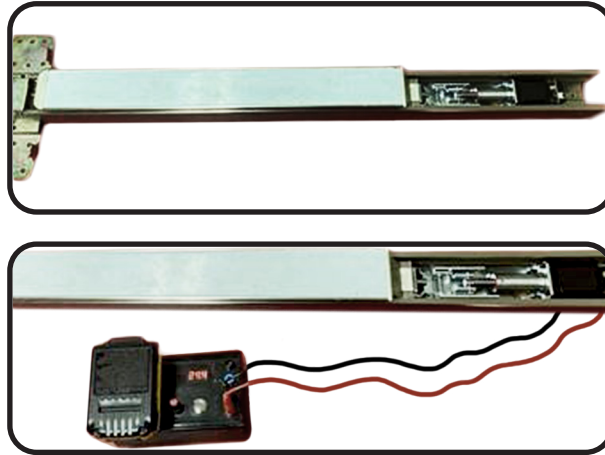
8. On the **Baseraill**, locate and install the **Position Set Screw**.



# INSTALLATION INSTRUCTIONS



9. Connect to power and set the "PTS" adjustment by following the instructions in the next section.

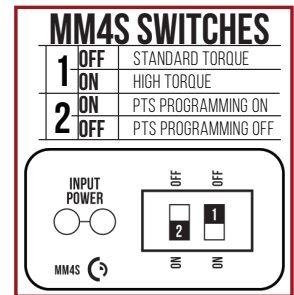


## SETTING PUSH TO SET (PTS)

**\*\*IMPORTANT INFO\*\***

**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. (We recommend to fully depress and release 5%, giving the device room for changing door conditions.)
- STEP 2** - While depressing the push pad, apply power.
- STEP 3** - Continue to keep the pad depressed, the device will beep 6 times. After the beeps have stopped, release the pad and the adjustment is now set. Test the adjustment 4 to 5 times and if not to your liking repeat the above steps.



*\*Once you found your preferred adjustment, we recommend turning off the PTS programming switch.*

## 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.
6 Beeps	<b>PUSH TO SET</b>	Device is recording it's new position and power mode after the 6th beep.