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COMMAND ACCESS TECHNOLOGIES

MLRK1-AR

MOTOR DRIVEN | NO HASSLE 3 YEAR WARRANTY | PTS PUSH TO START TECHNOLOGY | UL

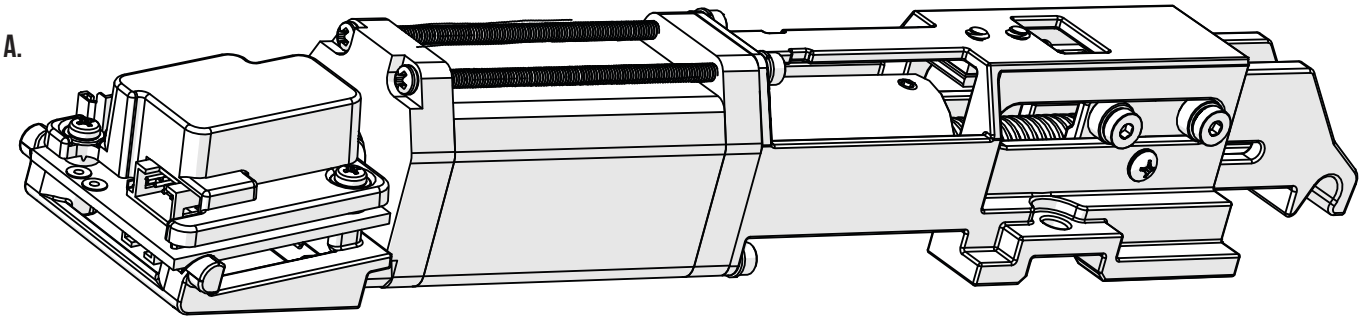
INSERT INSTRUCTIONS

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

- MLRK1-AR - Adams Rite 8200/8400/8600/8800/P8800 series devices

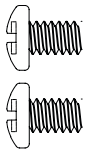
NOTE: Our kit is designed to work with devices manufactured after 2003 due to changes in the exit device housing. Pre-2003 devices installations may take significant modification. For any questions please contact the factory.

A.



B.

C.



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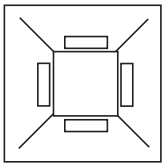

E.

F.

KIT INCLUDES

- A. (1) 60762 MOTOR KIT ASSEMBLY
- B. (1) 51302 HOLD DOWN BRACKET
- C. (2) 40073 PHILLIPS PAN HEAD SCREWS
- D. (1) 40059 CABLE TIE MOUNT
- E. (1) 40060 CABLE TIE
- F. (1) 50944 POWER HARNESS

INSTALLATION VIDEO

SPECIFICATIONS

- INPUT VOLTAGE: 24VDC +/- 10%
- AVERAGE LATCH RETRACTION CURRENT: 1.3 AMP
- 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 @ 24VDC

- GREEN= COMMON (C)
- BLUE = NORMALLY OPEN (N/O)
- GREY = NORMALLY CLOSED (N/C)

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.

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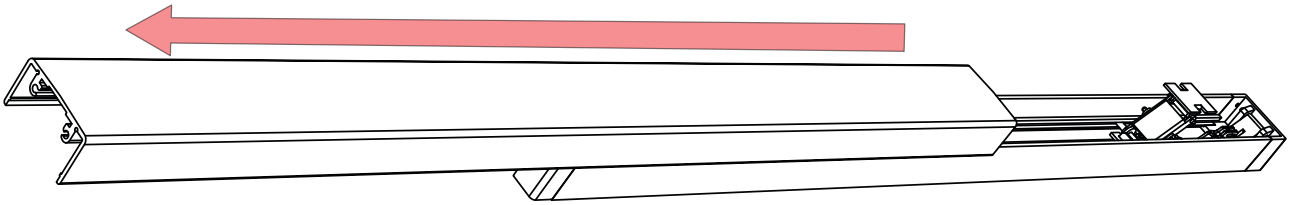
INSTALLATION INSTRUCTIONS

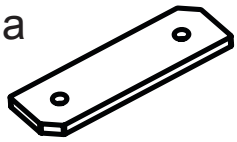
COMMAND ACCESS TECHNOLOGIES

1. Remove end caps and seperate push pad from base rail assembly.

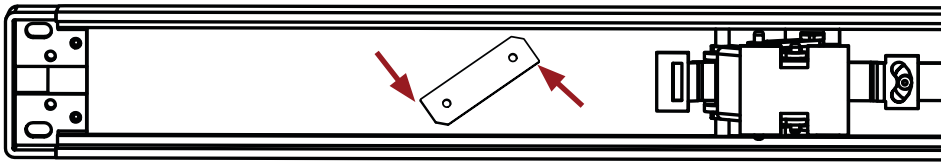


2. Place Hold Down Bracket (2a) into base rail assembly, rotate it perpendicular to the housing(2b) in the hold down bracket channel (2c) and placing it approximately 2" from the activating bracket pin (2d).

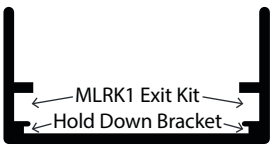
2a



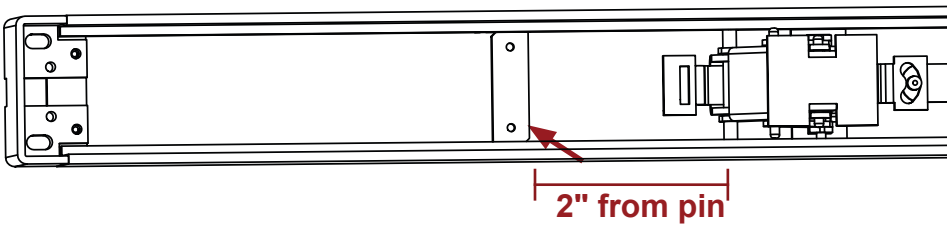
2b



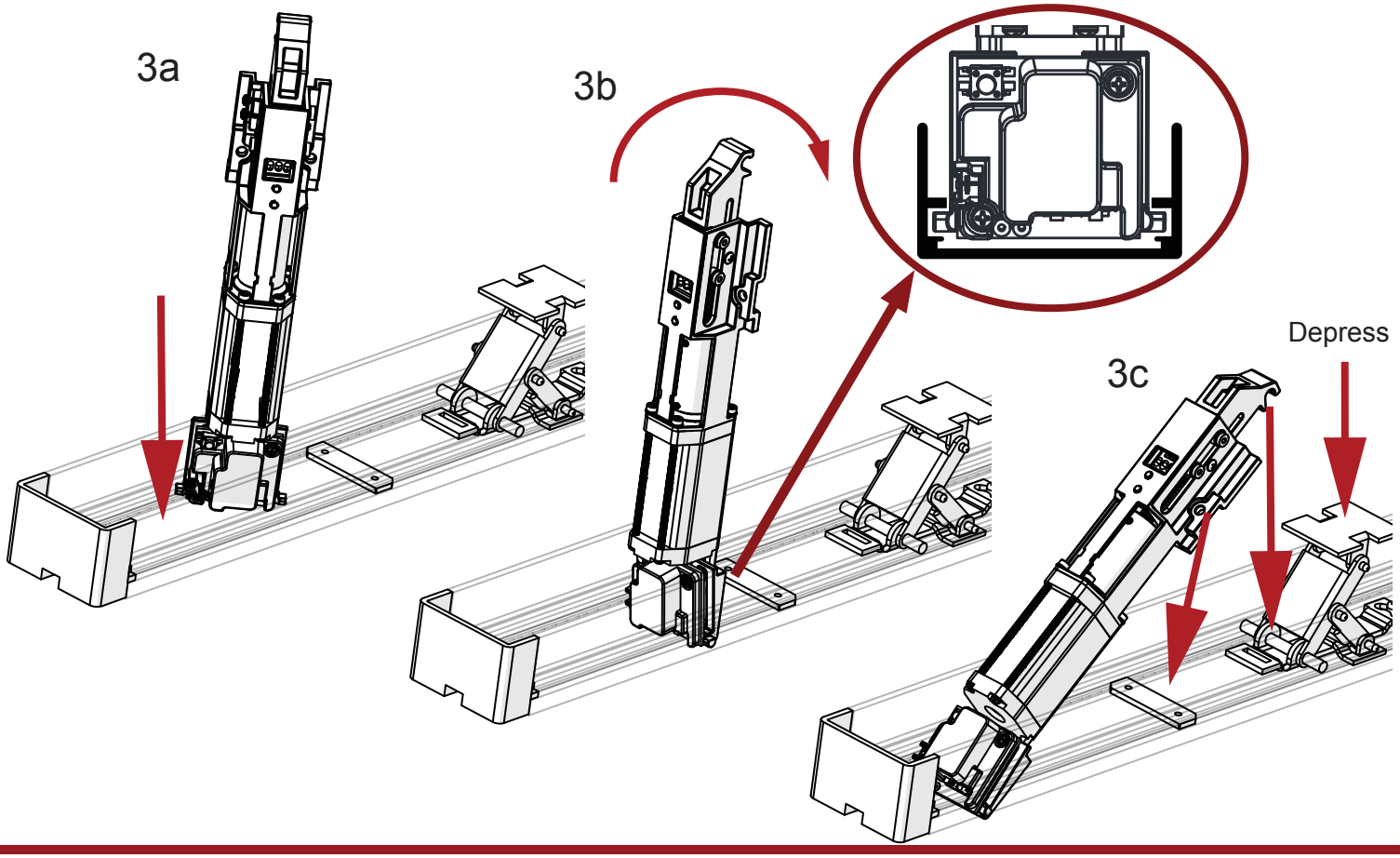
2c



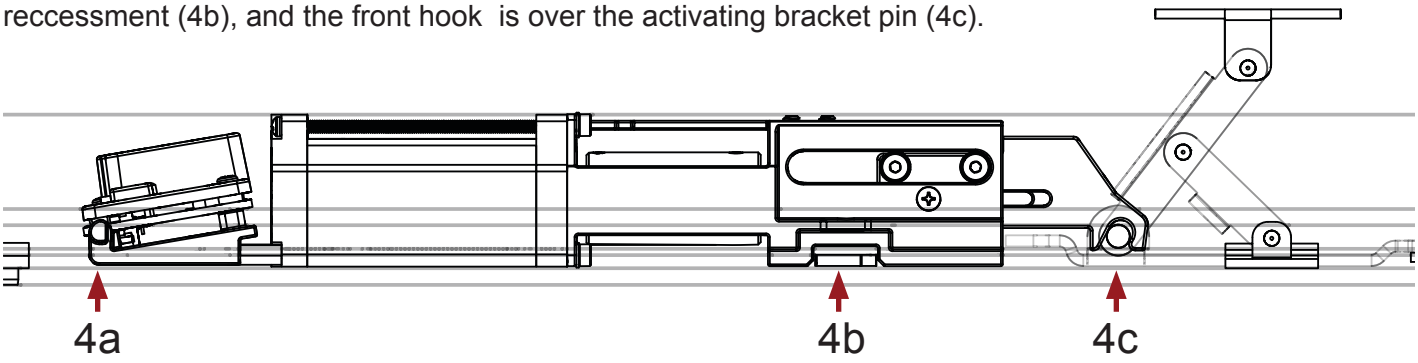
2d



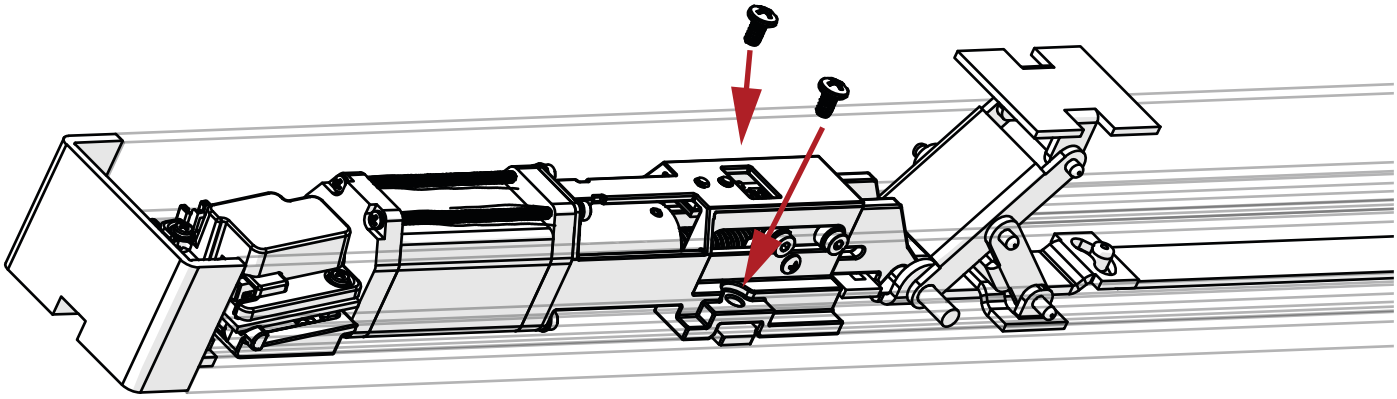
3. Hold motor kit perpendicular to the device placing the tail end into the housing (3a), identify the MLRK1 Exit Kit channel (2c) and rotate the kit 90 degrees to lock it into the channel (3b), depress the activating bracket and allow the kit to lay over the top of the hold down bracket and activating bracket pin (3c).



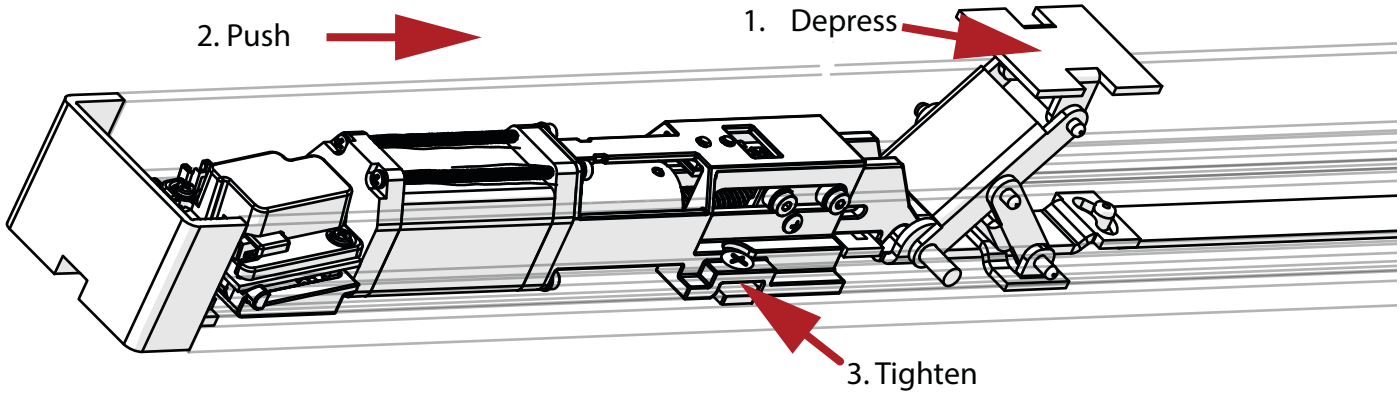
4. Verify that the tail of the kit is in the MLRK1 Exit Kit channel (4a), the hold bracket is in the correct reccessment (4b), and the front hook is over the activating bracket pin (4c).



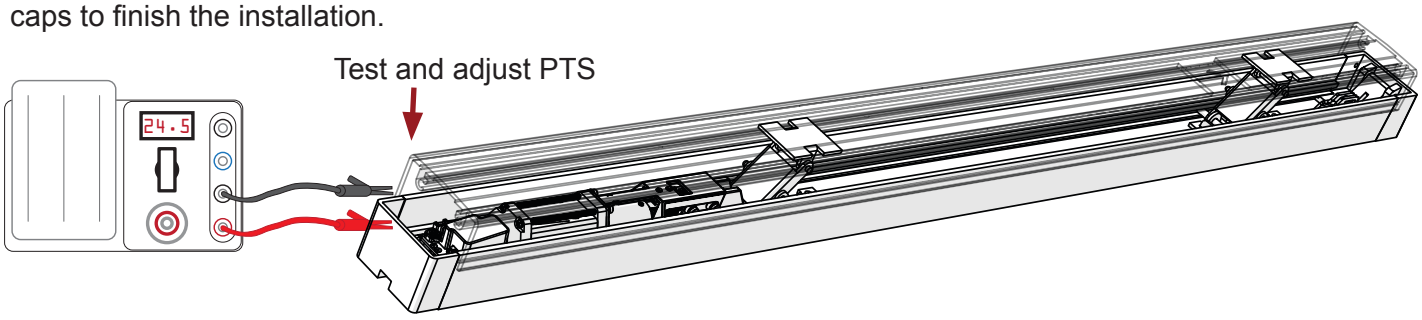
5. Install two Pan Head screws into the Hold Down bracket loosely.



6. (1) depress and hold the activating linkage down completely, (2) push and hold the kit towards the head of the device, (3) continue to holds the kit in position while you release the activating bracket and secure the kit into position by tightening the screws on the hold down bracket.



7. Replace push pad, test function and adjust PTS location if needed (see page 4). Once complete, install end caps to finish the installation.



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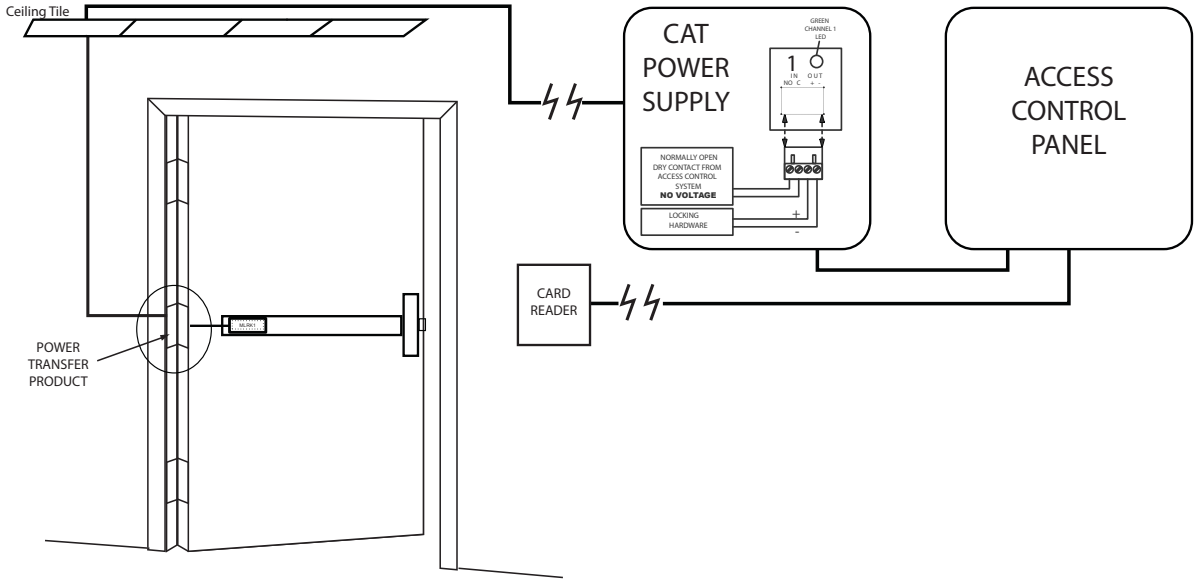
TECHNICAL INFORMATION

COMMAND ACCESS TECHNOLOGIES



SETTING PUSH TO SET (PTS)

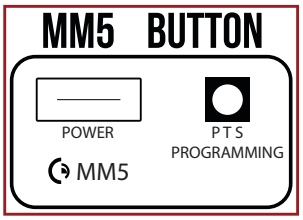
BEFORE FINISHING, BE SURE TO TEST FUNCTIONS AND RESET PTS, IF NEEDED

STEP 1 - To enter PTS mode: Depress MM5 button & apply power. The device will emit 1 SHORT beep. Continue to hold the button until power is removed.

STEP 2 - Depress and hold push pad 95% of full travel, then apply power (i.e. presenting the credential to the reader).

STEP 3 - Continue to keep push pad depressed, the device will emit 1 LONG Beep. After the beep stops and power has been removed, release the pad. The the adjustment is complete. Test the travel to verify that the push pad is 95% retracted* and the door is clear to open. If not to your liking repeat the 3 steps.

*100% retracted push pads could bind during expansion/contraction conditions. 95% is ideal.



TROUBLESHOOTING & DIAGNOSTICS

BEEPS	EXPLANATION	SOLUTION
2 BEEPS (NO MOTOR SPIN)	OVER VOLTAGE	> 30V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
3 BEEPS (NO MOTOR SPIN)	UNDER VOLTAGE	< 20V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
4 BEEPS (NO MOTOR SPIN)	FAILED SENSOR	VERIFY ALL 3 SENSOR WIRES ARE INSTALLED CORRECTLY. REPLACE SENSOR IF PROBLEM PERSISTS BY CONTACTING OFFICE.
5 BEEPS MOTOR SPINS FOLLOWED BY 1-5 BEEPS	RETRACTION OR DOGGING FAILURE	RESET PTS TO 95% OF FULL TRAVEL **FOR HOLD OPEN CYCLES** **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 DURING HOLD OPEN CYCLE, DEPRESS BAR FOR 5 SECONDS