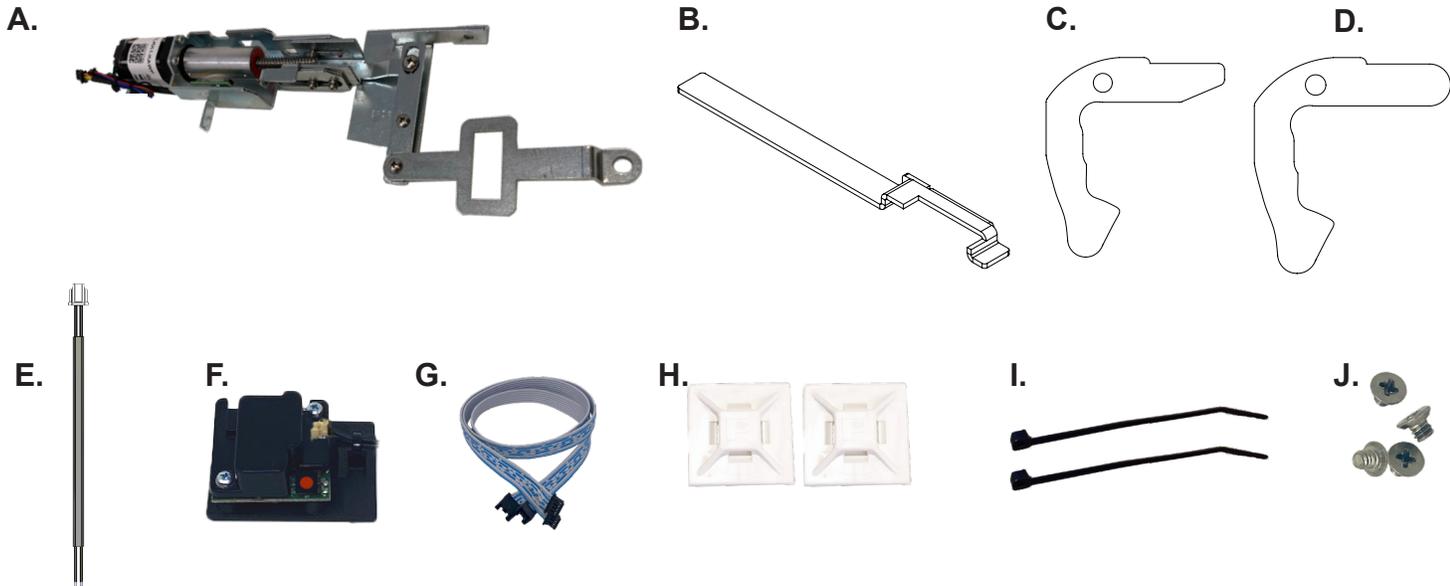


MLRK1-KAWP



INSERT INSTRUCTIONS

The Command Access MLRK1-KAWP is a field-installable motorized latch-retraction kit for the Kawneer Paneline series exit devices.



KIT INCLUDES

- | | |
|------------------------------------|------------------------------------|
| A. 60417 - MLRK1 MOTOR | F. 60708 - MM5 REMOTE ASSEMBLY |
| B. 51180 - BACK STABILIZER BRACKET | G. 51198 - REMOTE MODULE CABLE |
| C. 53071 - LIFTER ARM V2 | H. 40059 - (X2) CABLE MOUNTING PAD |
| D. 53054 - LIFTER ARM V1 | I. 40060 - (X2) CABLE TIES |
| E. 50944 - MOLEX PIGTAIL | J. 40306 - PHILLIPS SCREWS (X4) |



INSTALLATION VIDEO

SPECIFICATIONS

- INPUT VOLTAGE: 24-25.3VDC
- 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

REQUIRED COMMAND POWER SUPPLIES: [USE A PS210/220/440B](#)

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.

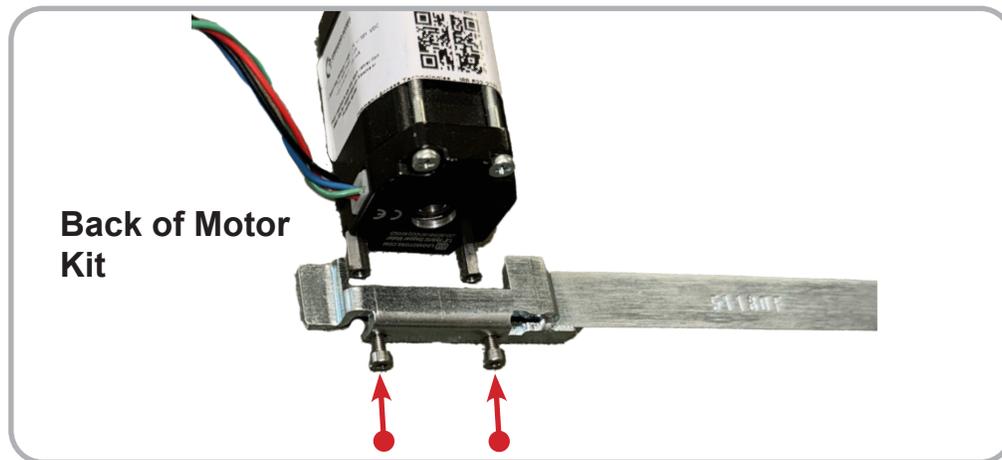
OPTIONAL BUILT-IN REX

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

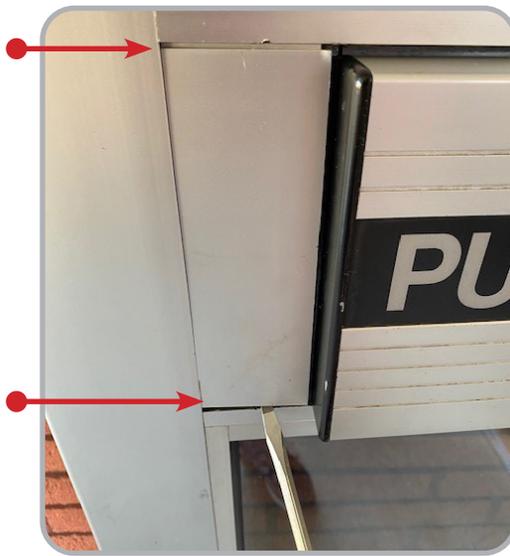
REMOVING AND DISASSEMBLING PUSH PAD INSTRUCTIONS

PRE-ASSEMBLY

Install back stabilizer bracket (B.) onto motor. Screws are pre-installed, remove screws and line up screw holes on back stabilizer bracket with mounting posts on motor. Re-install screws.



- 1 Using a flat screw driver or putty knife, gently pry at top and bottom on **Filler Plater** on each side of device until they come out



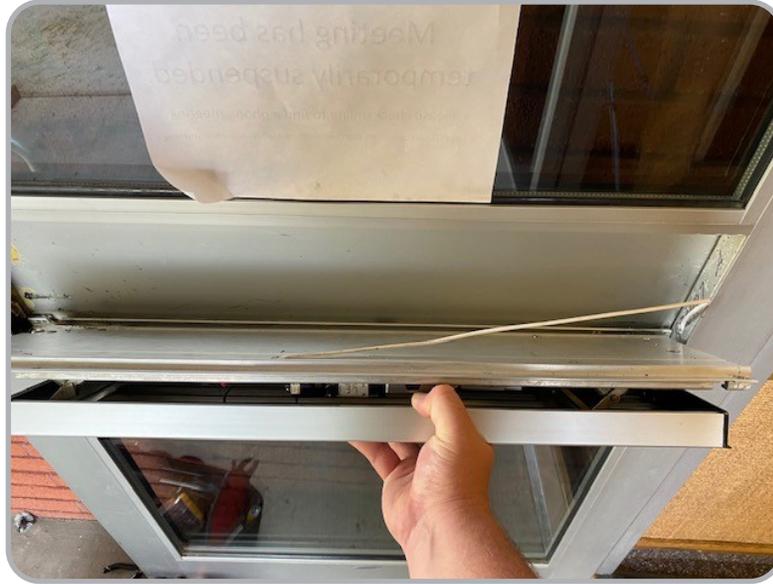
REMOVING AND DISASSEMBLING PUSH PAD INSTRUCTIONS



2 Once exposed remove (4) **Philips head mounting screws** and remove push pad from pocket in door

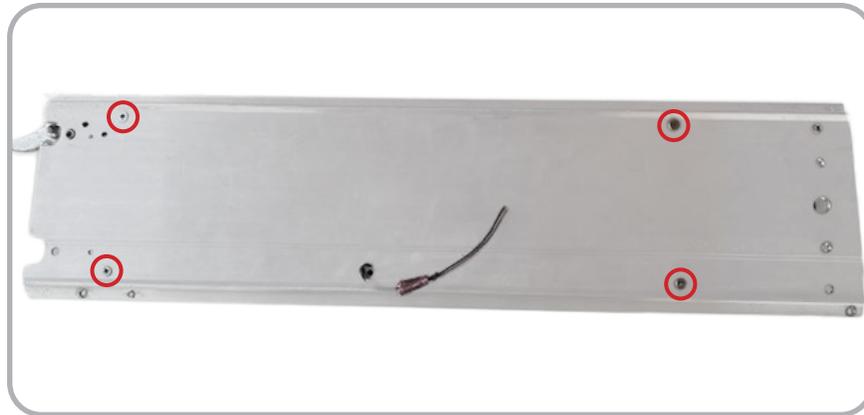


REMOVING AND DISASSEMBLING PUSH PAD INSTRUCTIONS



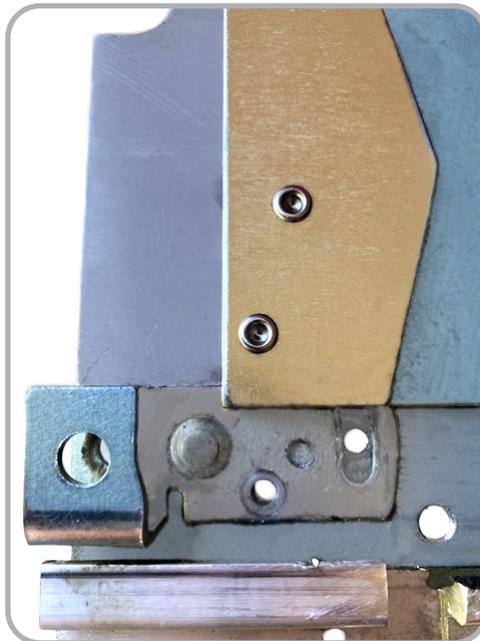
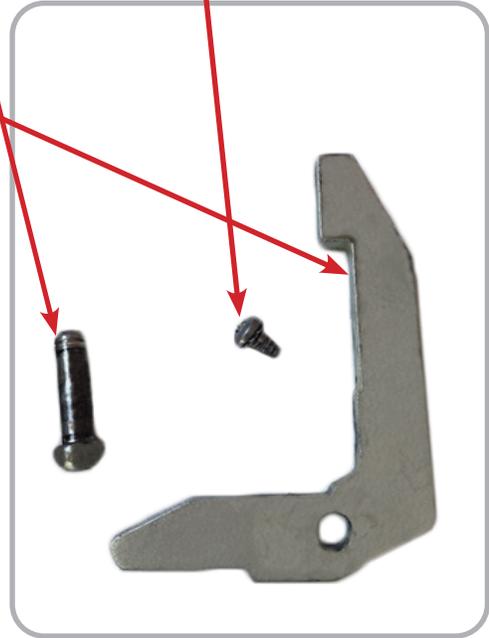
3

Remove (4) **Philips head screws** attaching **Push Pad** to chassis



REMOVING AND DISASSEMBLING PUSH PAD INSTRUCTIONS

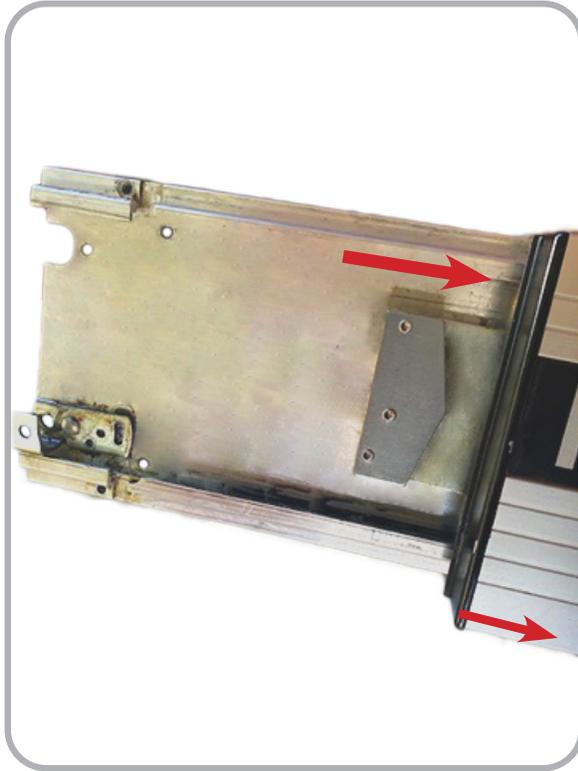
4 Disassemble Retraction Assembly (1) Bolt with (1) C-Clip, (2) adjustment / set screws and "L" Piece



REMOVING AND DISASSEMBLING PUSH PAD INSTRUCTIONS

- 5** Remove **Push Pad** from chassis by pulling in opposite directions, if it proves difficult to separate, a rubber mallet can be used to get it past any stubborn points.

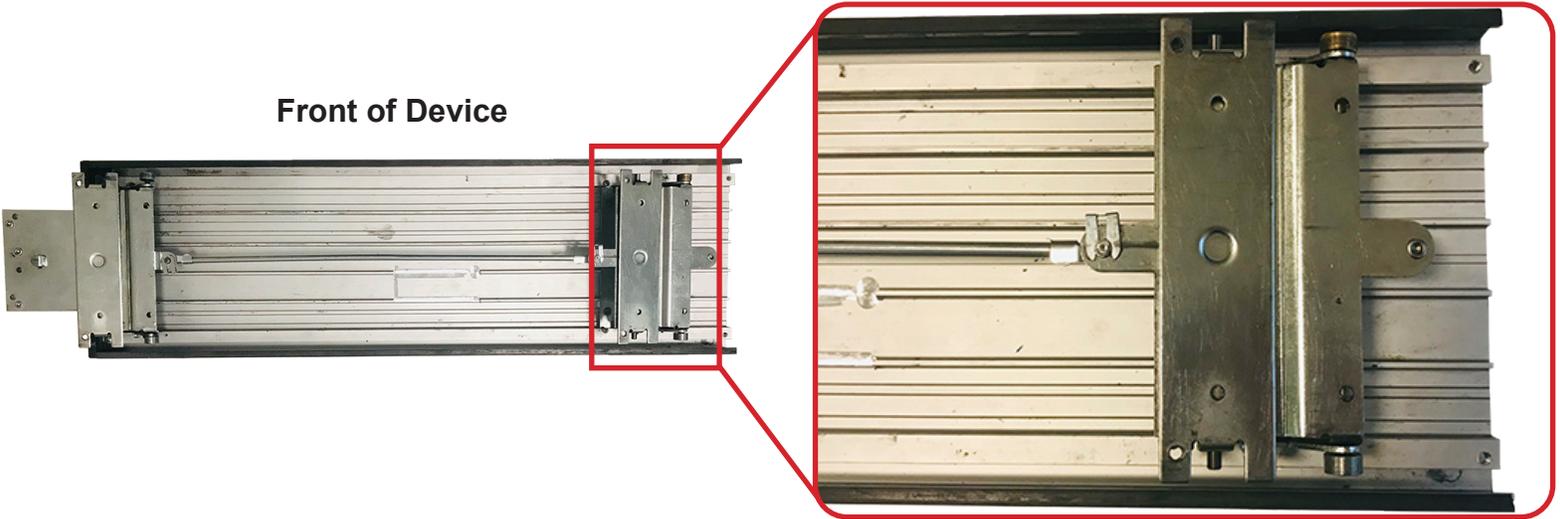
Watch for bearings that may fall out during removal.



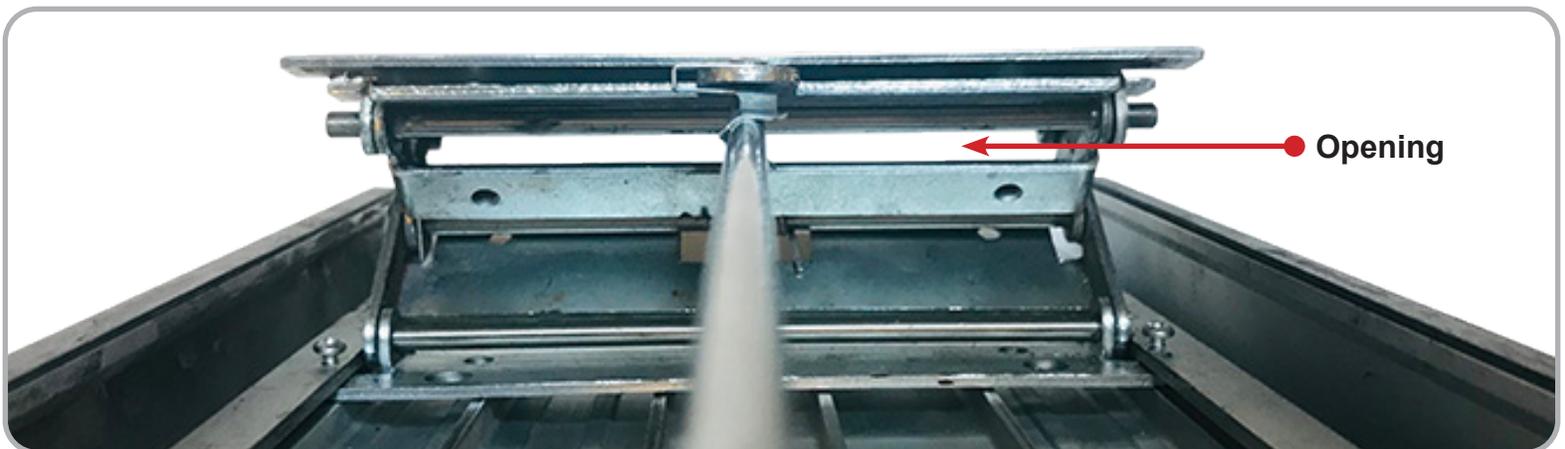
INSTALLATION INSTRUCTIONS

- 1 With the **Push Pad** removed, flip it over and locate the **Rear Activating Bracket**.

Front of Device

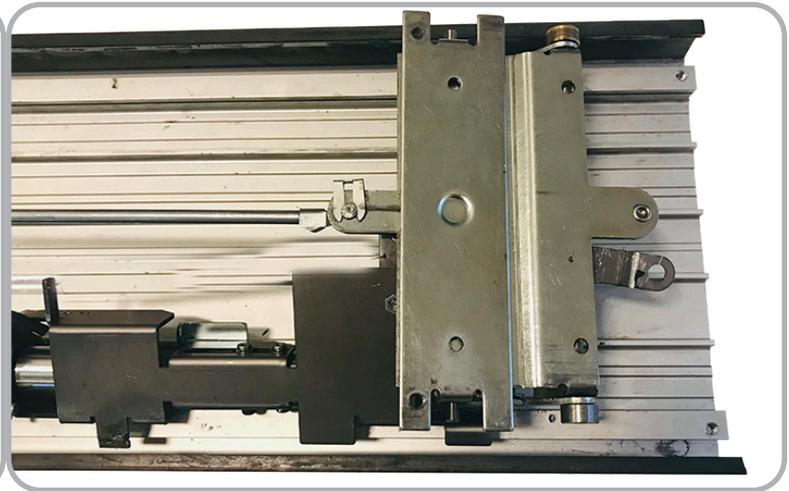
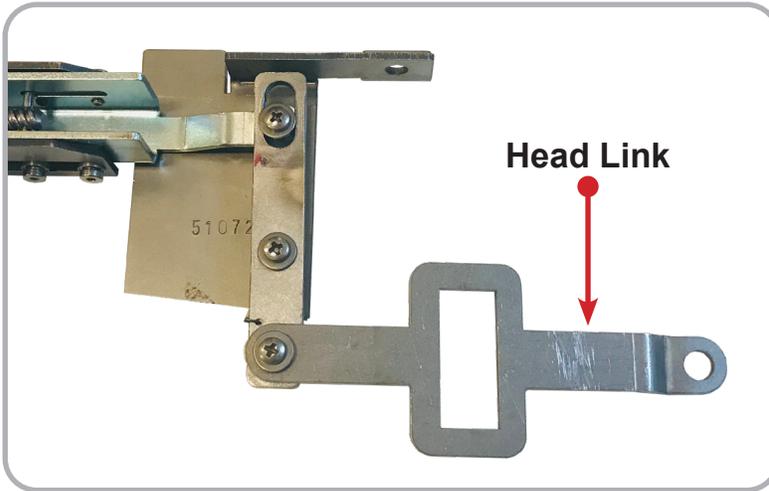


- 2 Locate the **Opening** in the **Rear Activating Bracket**, this is where the kits head link will slide through.

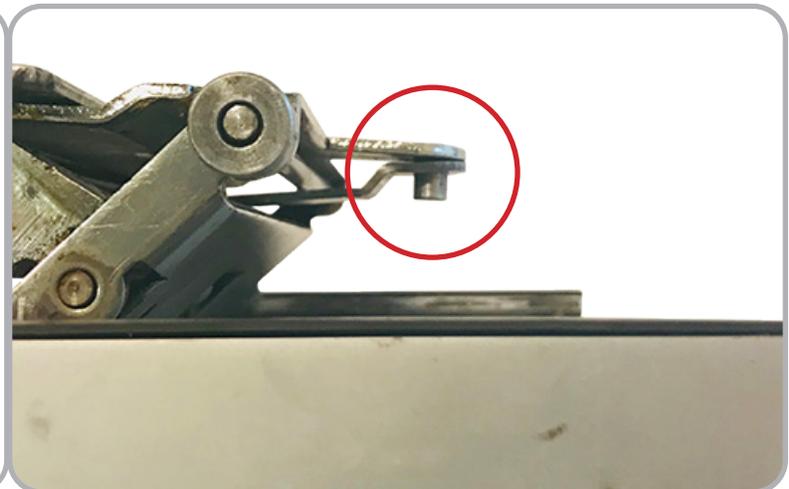
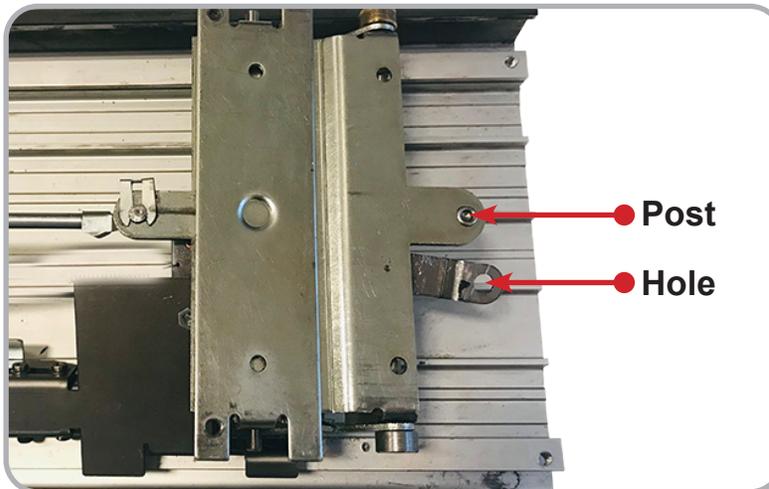


INSTALLATION INSTRUCTIONS

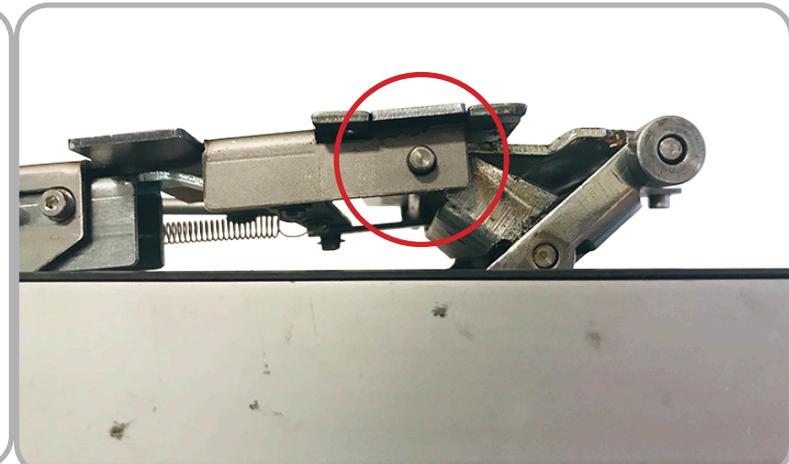
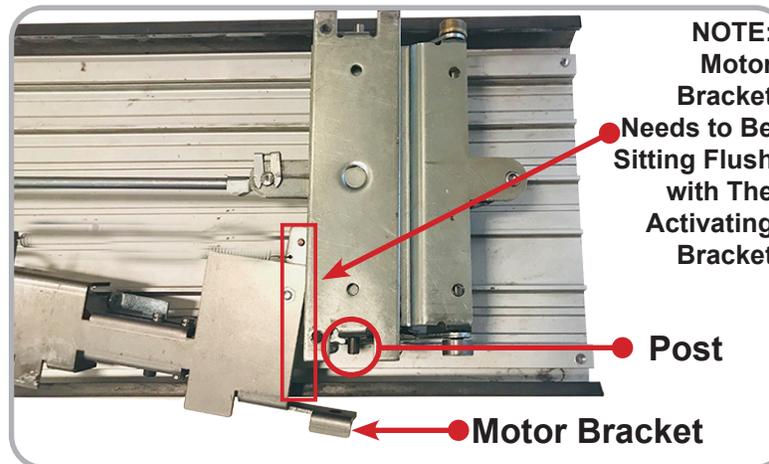
- 3** Flip the **Motor Kit** over so the underside is facing you, next slide the **Head Link** of the motor kit through the **Rear Activating Bracket Opening**.



- 4** Fit the **Hole** on the end of the **Head Link** over the **Rear Post** of the **Rear Mounting Bracket** as shown.

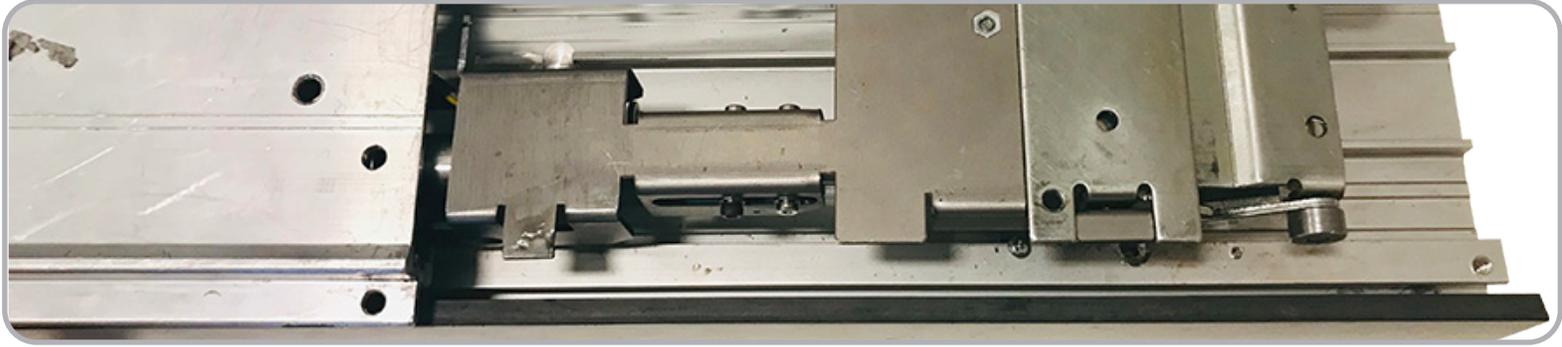


- 5** Then fit the **Hole** on the **Motor Bracket** over the **Side Post** of the **Rear Mounting Bracket** as shown.

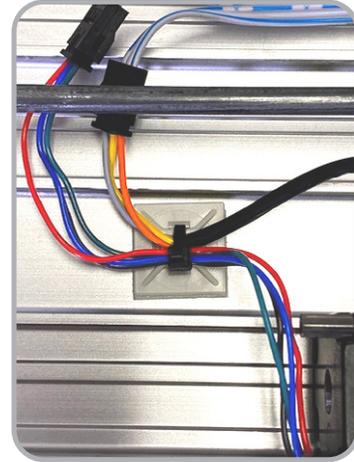
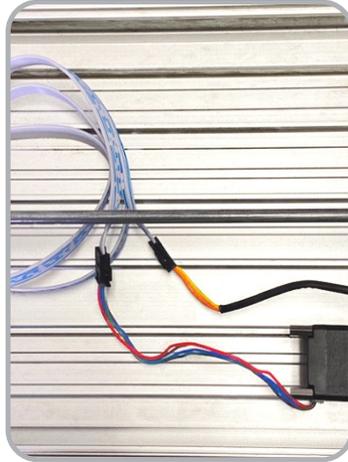
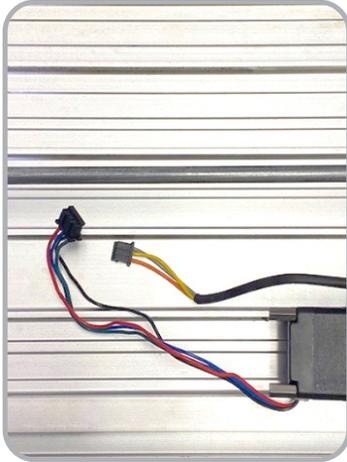


INSTALLATION INSTRUCTIONS

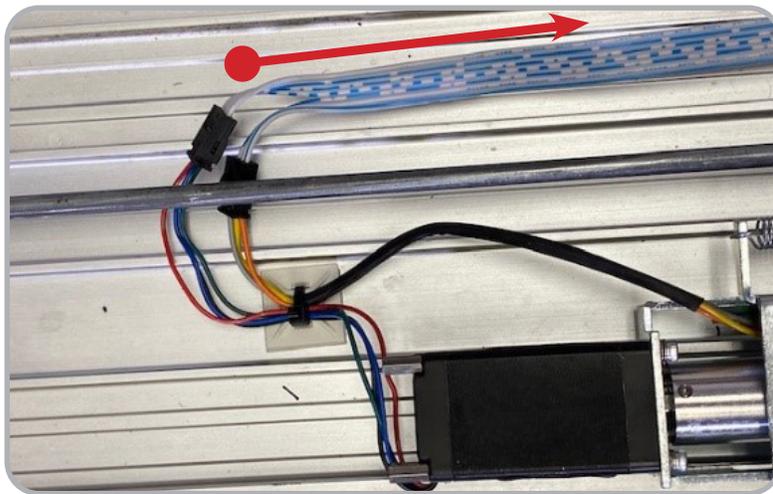
6



Once kit is in place connect **3-Pin** and **4 -Pin Connectors** on the **Remote Module Cable** to **3-pin** and **4-Pin Connectors** from **Motor** and **Sensor**. Apply **Strain Relief** as shown below or to installers best judgement.

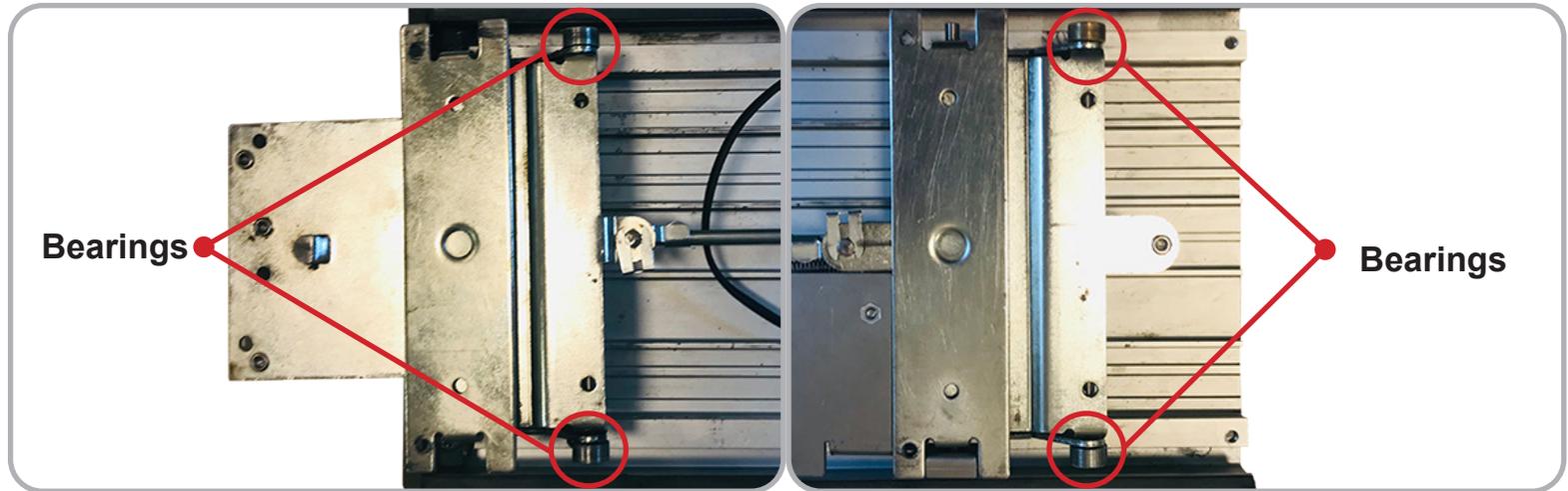


7 Guide wire to rear of device and feed through **Back Activating Bracket**. Ensure nothing is being pinched or strained by depressing the **Back Activating Bracket**.

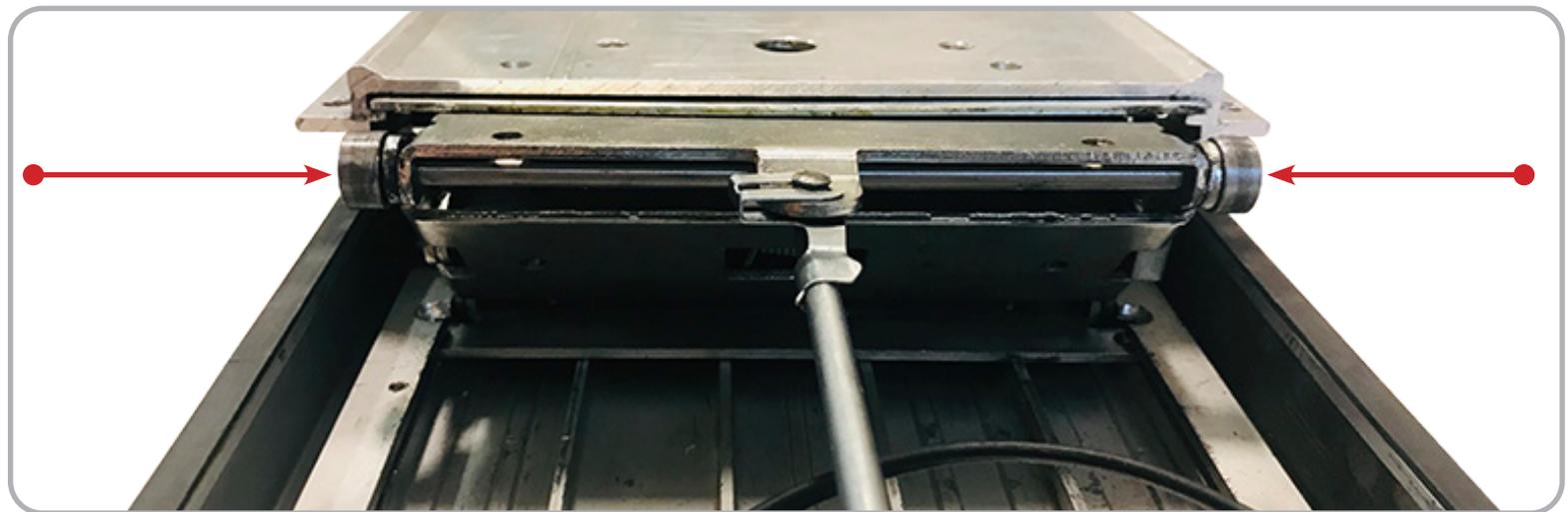


INSTALLATION INSTRUCTIONS

8 Before re-installing the **Push Pad**, ensure the bearings are still on the Activating Brackets!

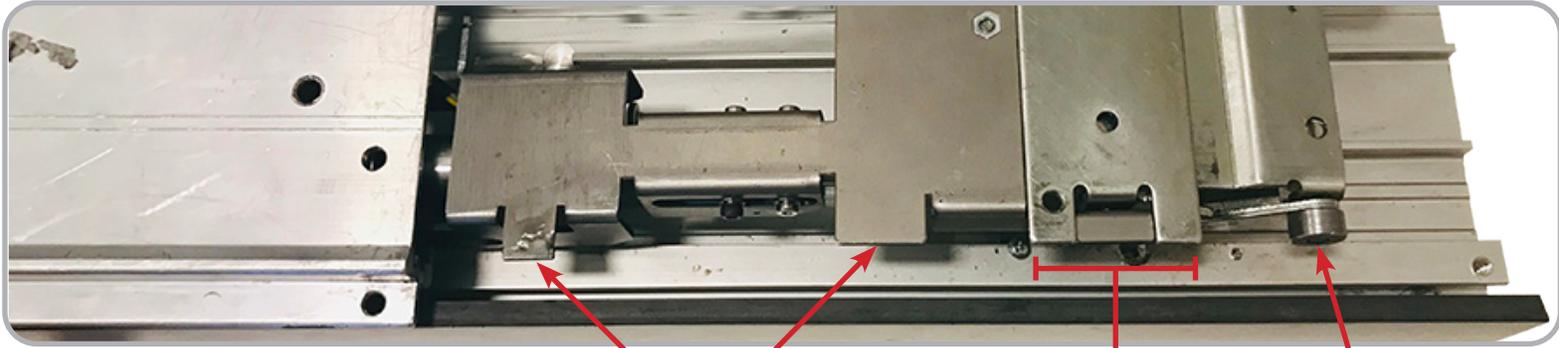


9 Re-install the **Base Rail**, making sure the **Front Activating Bracket** and **Bearings** slide into their **Slots**.



INSTALLATION INSTRUCTIONS

10 The **Two Tabs** on the **Motor Bracket**, **Back Stabilizer Bracket** and **Bearings** must also slide into the **Slots** on the **Base Rail**.

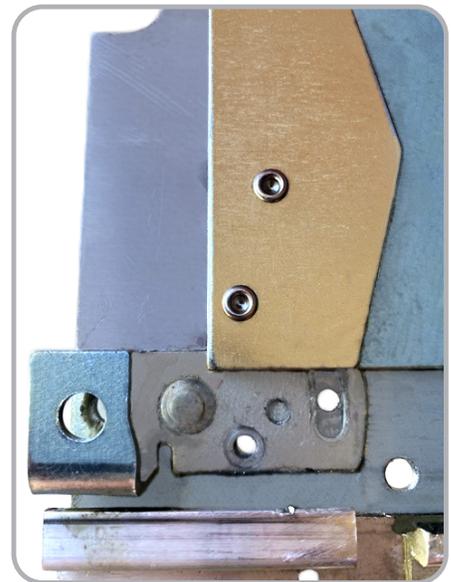


! WARNING If this bracket does not properly slide into channel, it will create a bind on the motor assembly

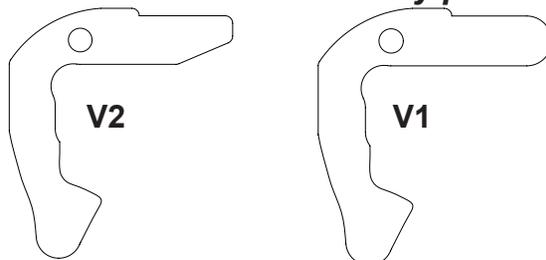
Motor Bracket Tabs **Activating Bracket** **Bearings**

Note: The Back Stabilizer Bracket may need to be trimmed down to fit inside the baserail as widths between model years vary.

11 Re-secure the **Baserail** & re-mount the items that were removed in Step 4.



**** Use Existing Lifter Arm or V1/V2 replacements to find the bracket that gives your device the most and best travel to fully pull in the vertical rods.**

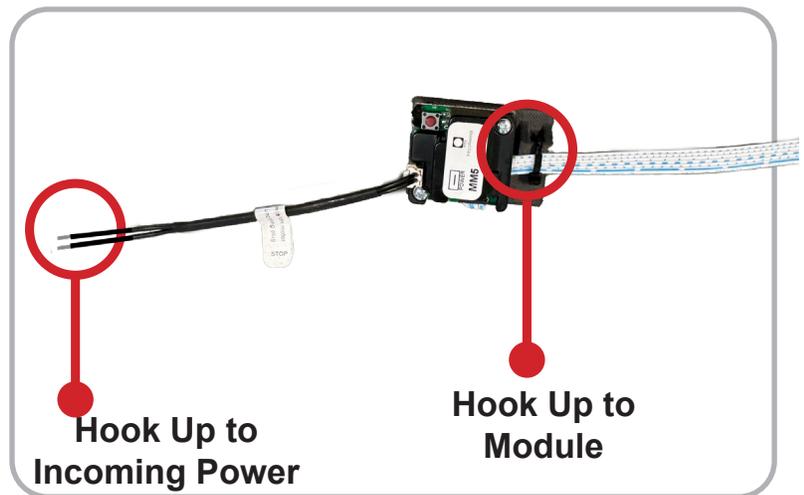
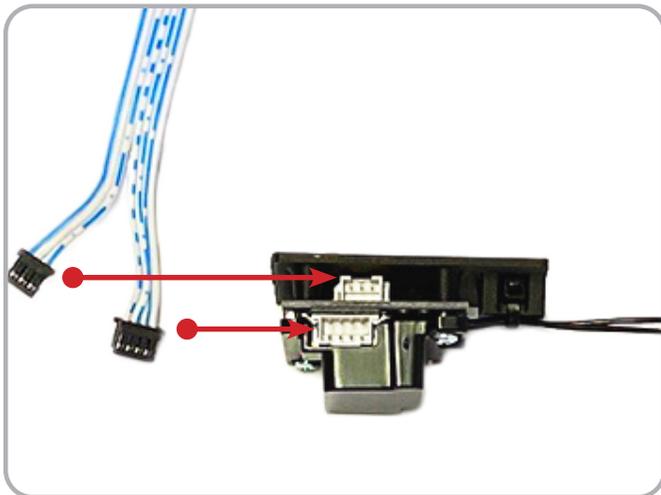


INSTALLATION INSTRUCTIONS

12 Re-install **Device** back into the door.



13 Connect **3-Pin** and **4-Pin Connectors** from **RM Cable** to **Remote MM4 Module**, mount **Module** in empty pocket using double sided tape. Hook incoming power to **2-Pin Connector** using provided power lead.

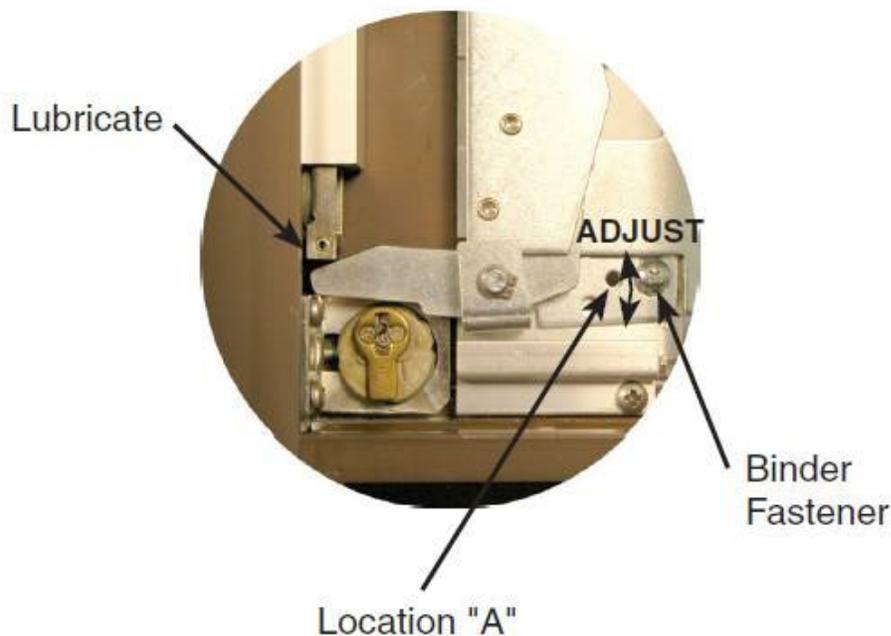


INSTALLATION INSTRUCTIONS

- 14** If mechanical adjustment of **Retraction Arm** is needed please follow instructions below

LIFT LEVER ADJUSTMENT

1. Lubricate lever as indicated.
2. Loosen the binder fastener on axle bracket.
3. Rotate the axle bracket until the lever arm contacts the bottom of the traveler roller. Tighten the binder fastener to allow for operation testing.
4. Stand the door up with a spacer between the door and the floor to allow for bolt operation and check for proper operation.
5. After testing unit thoroughly, drill a hole at location "A" using a #23 (0.154 dia.) drill bit.
6. Lock adjustment in place using extra binder fastener 028747.



PUSH TO SET (PTS)



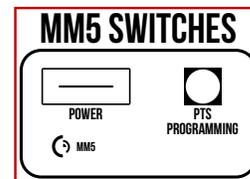
15

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.

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.