Model MEL3000
Retrofit Instructions

MEL 3000 Kit Contents:
• New activating bracket
• Motor-Drive assembly
• Notched Pin & E-Clip
• Narrow Rubber Bumper
• Wire harness
• Hinge stile mounting bracket w/ wire access hole

Step 1 – Preparation
A. Electrical power
1.A.1 - Install a First Choice power supply per the instructions provided. Power Supply MUST be class II rated in order to meet UL listing requirements.
1.A.2 - Run wiring from power supply to the door(s).

B. Remove pushbar device from the door.
1.B.1 - Remove T-cover on lock stile end.
1.B.2 - Remove top axle screw & pinion support bracket.
1.B.3 - Remove geared traveler and retractor.
1.B.4 - Remove hinge stile end cap.
1.B.5 - Loosen the hinge stile mounting screws.
1.B.6 - Remove lock stile mounting screws.

Step 1.B.2 – Remove screw and bracket (CVR device only)
Step 1.B.3 – Remove traveler and retractor (CVR device only)
Step 1.B.4 – Remove hinge stile end cap
Step 1.B.5 – Loosen bracket screws. Do not remove.
Step 1.B.6 – Remove lock stile screws
**Step 1 - Preparation (continued)**

C. Remove pushbar.

1.C.1 - Remove lock stile end cap.
1.C.2 - Slide push bar toward hinge stile.
1.C.3 - Remove dogging assembly from the channel by removing two (2) screws on channel. Discard old dogging assembly but keep axle pins.

**Step 2 - Shorten the connecting rod**

2.1 - Remove rear activating (dogging) bracket by removing 2 screws on back of channel.
2.2 - Remove activating bracket axle pin to disconnect connecting rod. Remove other parts as necessary to access connecting rod.
2.3 - Trim connecting rod as shown, allowing 1/2” from axle hole to remain.

**Step 3 - Provide wiring access**

3.1 - Cut notch or drill hole in back of channel to permit routing of connector that is on end of wire harness.
3.2 - Remove and replace hinge stile mounting bracket on door with new bracket provided. Do not tighten screws. Discard old bracket.

**Step 4 - Activating hardware assembly**

4.1 - Assemble new rear activating bracket to shortened connecting rod with notched axle pin and narrow bumper.
4.2 - Install E-clip onto notch of axle pin (AFTER assembled with connecting rod), next to bumper, to restrict bumper from moving along axle.
4.3 - Apply grease to bumper and notched axle pin to provide lubrication for movement inside bracket. Do not yet secure bracket to channel.
Step 5 - Install MEL Motor Drive assembly

5.1 - Position MEL assembly behind rear activating bracket. While pressing rear activating bracket down, position MEL dogging bracket over connecting rod and hook around rear axle pin.

5.2 - Place entire assembly into channel and mount both MEL assembly and activating bracket to channel using 4X screws and holes. Activation brackets should move freely when pressed down.
Step 6 - Re-assemble and install

6.1 - Mount channel assembly to door with channel underneath new hinge stile bracket. Attach device to lock stile and tighten screws, then tighten hinge stile bracket mounting screws.

6.2 - Make wiring power connections and test for proper Motor operation. Power Supply MUST be class II rated in order to meet UL listing requirements.

6.3 - Re-assemble pushbar onto channel and activating assemblies by sliding onto pins of activating brackets – pins will only fit in lower pushbar slots.

6.4 - Make sure the pushbar bracket stop tabs are installed with tabs turned up, away from the channel.

6.5 - Reinstall end caps.