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MIA216
ACTUATOR (BACK)
INSTALLATION INSTRUCTIONS

REMOVAL - ***Refer to Figure 1.***

1. Disconnect the power from the table - see "Warning" note below.

> ***WARNING:*** *Disconnect the power from the table before removing covers/shrouds or making any repairs to prevent the possibility of electrical shock, severe personal injury, or death.*

2. Remove the back board from the back weldment.
3. Remove the back actuator limit switch assembly (if present) from the back actuator.
4. Remove the back capacitor cover from the back weldment.
5. Remove the capacitor from the mounting bracket.
6. Remove the cap from the capacitor. Be cautious not to touch the capacitor terminals - see "Warning" note below.

> ***DANGER:*** *Never touch the terminals of a capacitor until it has been properly discharged. Personal injury or death could occur because a capacitor can store an electrical charge for many years even if the power has been shut off.*

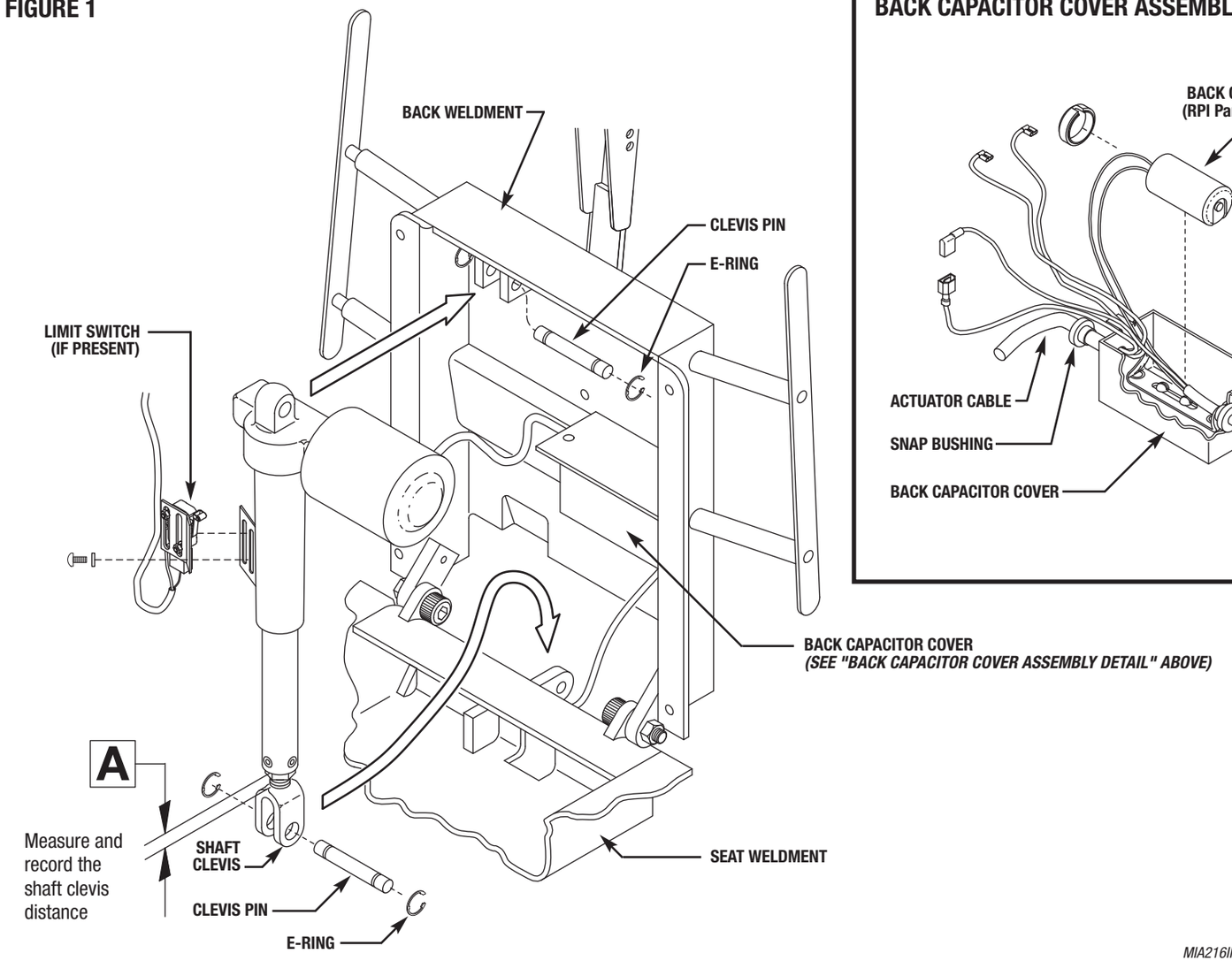
7. Identify, tag and disconnect the three actuator wires.
8. Pull the back actuator wires thru the snap bushing.
9. While supporting the back weldment, remove the two e-rings and the clevis pin which secures the back actuator to the seat weldment. Lower the back weldment down.
10. Remove the two e-rings, clevis pin, and the back actuator from the back weldment.
11. Measure and record the shaft clevis distance ***(see A in Figure 1)*** for use in Step #2 of the Installation below.

NOTE: If you are replacing the Brake and Coupler Kit (RPI Part #MIK167), see the reverse side of this page for installation instructions.

INSTALLATION - ***Refer to Figure 1.***

1. Cut the actuator cable to length and prepare the cable end for the terminals. Crimp the two 1/4" flag terminals to the Red and the Black wires, and the 1/4" fully insulated male tab to the White wire.
2. Set the shaft clevis distance ***(see A in Figure 1)*** to the measurement previously taken onto the new actuator.
3. Install the back actuator onto the back weldment and secure with the clevis pin and the two e-rings.
4. Raise the back weldment into position. Temporarily reconnect the back actuator to the seat weldment with the clevis pin.
5. Pull the back actuator wires through the snap bushing.
6. Connect the three actuator wires and install the cap onto the back capacitor.
7. Install the back capacitor into the mounting bracket. Make sure the back capacitor is firmly held in place.
8. Install the back capacitor cover assembly onto the back weldment.
9. Reinstall the back actuator limit switch assembly (if present) onto the back actuator.
10. Reconnect the power to the table.
11. Run the ***BACK DOWN*** function to lower the back weldment all the way down (until back actuator can be heard free wheeling).
12. The back weldment should be parallel with the seat weldment. If not parallel, adjust the shaft clevis accordingly.
13. Install the two e-rings onto the clevis pin.
14. Tighten the shaft clevis set screws and the jam nut to secure.
15. Check the adjustment of the back actuator limit switch if present.
16. Reassemble the back board using Threadlocker 242 (RPI Part #RPA032).

FIGURE 1



BACK CAPACITOR COVER ASSEMBLY DETAIL

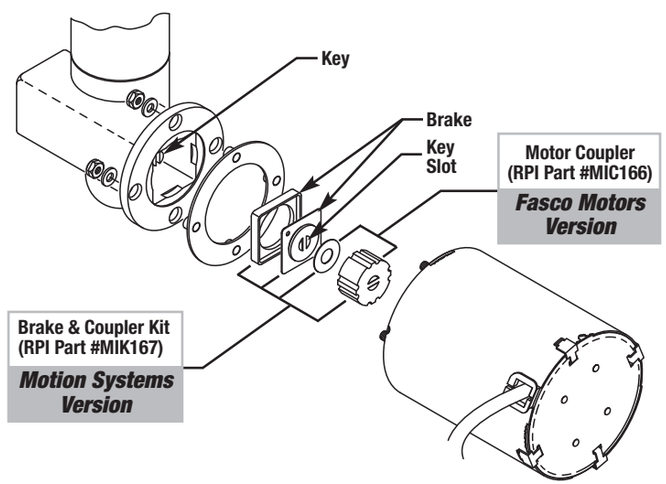
INSTALLATION INSTRUCTIONS

RPI Part #MIC166 - Motor Coupler
RPI Part #MIK167 - Brake & Coupler Kit

1. Remove the back actuator, **see "REMOVAL" Steps #1-11** on the reverse side of this page.
2. Separate the motor from the actuator and replace the motor coupler and brake **(see Figure 1).**

   Note: *The brake is not used in actuator assemblies manufactured by Fasco.*
3. Reinstall the actuator, **see "INSTALLATION" Steps #1-16** on the reverse side of this page.

FIGURE 1



NOTE: Ensure that the Keys and the Key Slots are properly aligned, allowing the Brake and Coupler to easily engage the motor and Actuator.