

MIA314 ACTUATOR (SEAT) INSTALLATION INSTRUCTIONS

REMOVAL

1. Raise SEAT UP all the way.
2. Unplug the chair power cord from the wall outlet. See **“Warning”** note below.



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

3. Remove (2) cable ties from the body of the seat actuator and remove the actuator sleeve. Retain actuator sleeve for reuse later (*see Figure 1*).
4. Cut any remaining cable ties securing the wire harness to the seat actuator.
5. Without disconnecting any wires, remove the seat up limit switch from the seat actuator. Retain switch and all removed hardware for reuse later (*see Figure 1*).

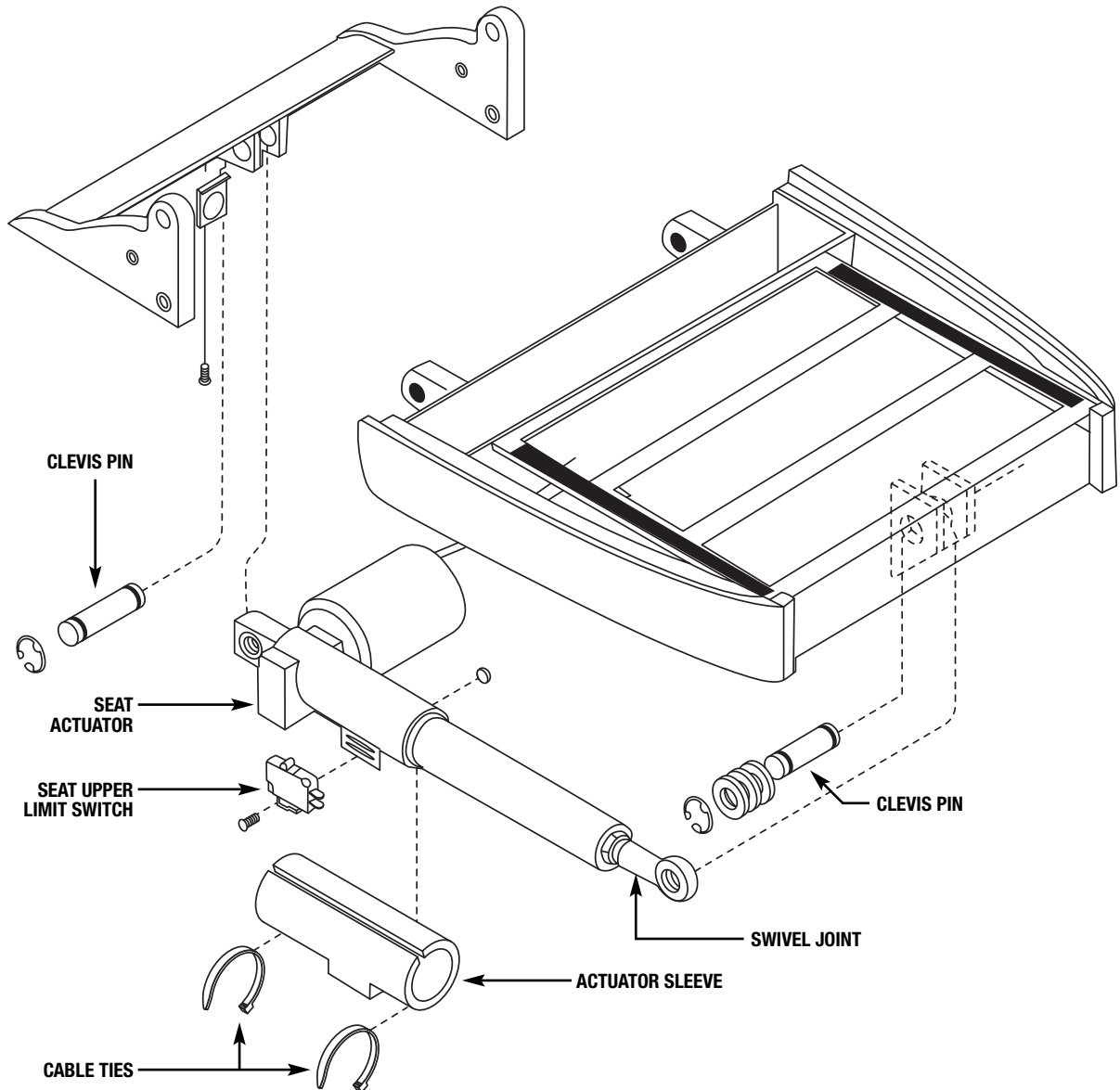
The next step only applies to the Midmark 413. If working on a Midmark 415 skip to Step #7.

6. • For **Serial #'s BK-1000 thru BK-1271**, tag and disconnect (3) wires from the (3) actuator motor wires (in-line quick connector set). *See Figure 2*.
- For **Serial #'s BK-1272 thru present and FH-1000 thru present**, cut existing (3) wire cables from the seat actuator motor and the chassis mounted connector leaving a pigtail of 6 to 12 inches. Strip back the outer jacket and crimp the enclosed female fully insulated quick connect terminals to the prepared pigtail for use later when installing the new actuator.

7. For all model 415 chairs, disconnect (3) wires from the (3) actuator motor wires (in-line quick connector set). *See Figure 2*.

8. While supporting seat section, remove clevis pins and e-clips from both ends of actuator and remove actuator from seat section. Retain all removed hardware and clevis pins for reuse later.

Figure 1



INSTALLATION

1. Loosen jam nut, then remove swivel joint from the shaft of the new seat actuator.
NOTE: Jam nut is left hand threaded.
2. Coat threads of swivel joint with Threadlocker 262 (RPI Part #RXA007 - provided).
3. Reinstall swivel joint into shaft of the new seat actuator.
4. While supporting the seat section, install the base of the seat actuator onto the bracket and secure using retained clevis pin and e-clips.
5. While supporting the seat section, install the shaft end of the seat actuator onto the bracket and secure temporarily with the clevis pin.

The next step only applies to the Midmark 413 – if working on a Midmark 415 skip to step #7.

6. • For **Serial #'s BK-1000 thru BK-1271**, route the seat actuator cable and use the (3) male quick connect terminals to reconnect the (3) seat wires to the (3) actuator motor wires (*see Figure 2*).

NOTE: Be sure you hook these wires up as marked earlier – failure to connect them correctly could lead to damage on the main PC board.

- For **Serial #'s BK-1272 thru present and FH-1000 thru present**, route the seat actuator cable and use the (3) male quick connect terminals to connect the prepared pigtail to the seat actuator motor wires (*see Figure 2*).

NOTE: Be sure you hook these wires up as marked earlier – failure to connect them correctly could lead to damage on the main PC board.

7. For **all model 415 chairs**, route the seat actuator cable and use the (3) male quick connect terminals to reconnect the three seat wires to the three actuator motor wires (*see Figure 2*).

NOTE: Be sure you hook these wires up as marked earlier – failure to connect them correctly could lead to damage on the main PC board.

8. Reinstall seat up limit switch with retained hardware.

9. Install actuator sleeve and secure with cable ties.
Replace all cable ties removed earlier as necessary.

ADJUSTMENT

1. Plug power cord in and activate SEAT UP function all the way and then run CHAIR DOWN function all the way.
2. If seat section is now level with the floor, skip to Step #4 below.

3. While supporting the seat section remove the shaft end clevis pin (temporarily installed earlier) and screw the swivel joint either in or out of the seat actuator shaft until the seat section is correctly leveled to the floor.
4. Finalize the installation of the shaft end clevis pin with the hardware retained earlier.
5. Tighten the jam nut on the actuator shaft.

Figure 2

