



replacement parts industries, inc.

A Healthcare Components Group Company

CALL 800-221-9723 or 818-882-8611 • FAX 818-882-7028

E-MAIL: techsupport@rpiparts.com • WEBSITE: www.rpiparts.com

MIA313 ACTUATOR (BASE) INSTALLATION INSTRUCTIONS

REMOVAL

1. Raise BASE UP and 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 (7) screws, outer shroud and inner shroud from base casting. Retain shrouds and hardware for reuse later.

The next step only applies to the Midmark 413. If working on a Midmark 415 or if no gas spring is mounted on the 413, skip to Step #5.



WARNING: If CHAIR UP function is not all the way up, the gas spring will be under extreme pressure. Raise chair all the way up before removing gas spring mounting hardware. Failure to do so could result in serious personal injury.

4. Remove all hardware mounting the gas spring to the top and bottom spring mount. Retain gas spring and hardware for reuse later (*see Figure 1*).
5. Remove stirrup from patient’s right side of the chair.
6. Lay chair onto its right side (patient’s right).

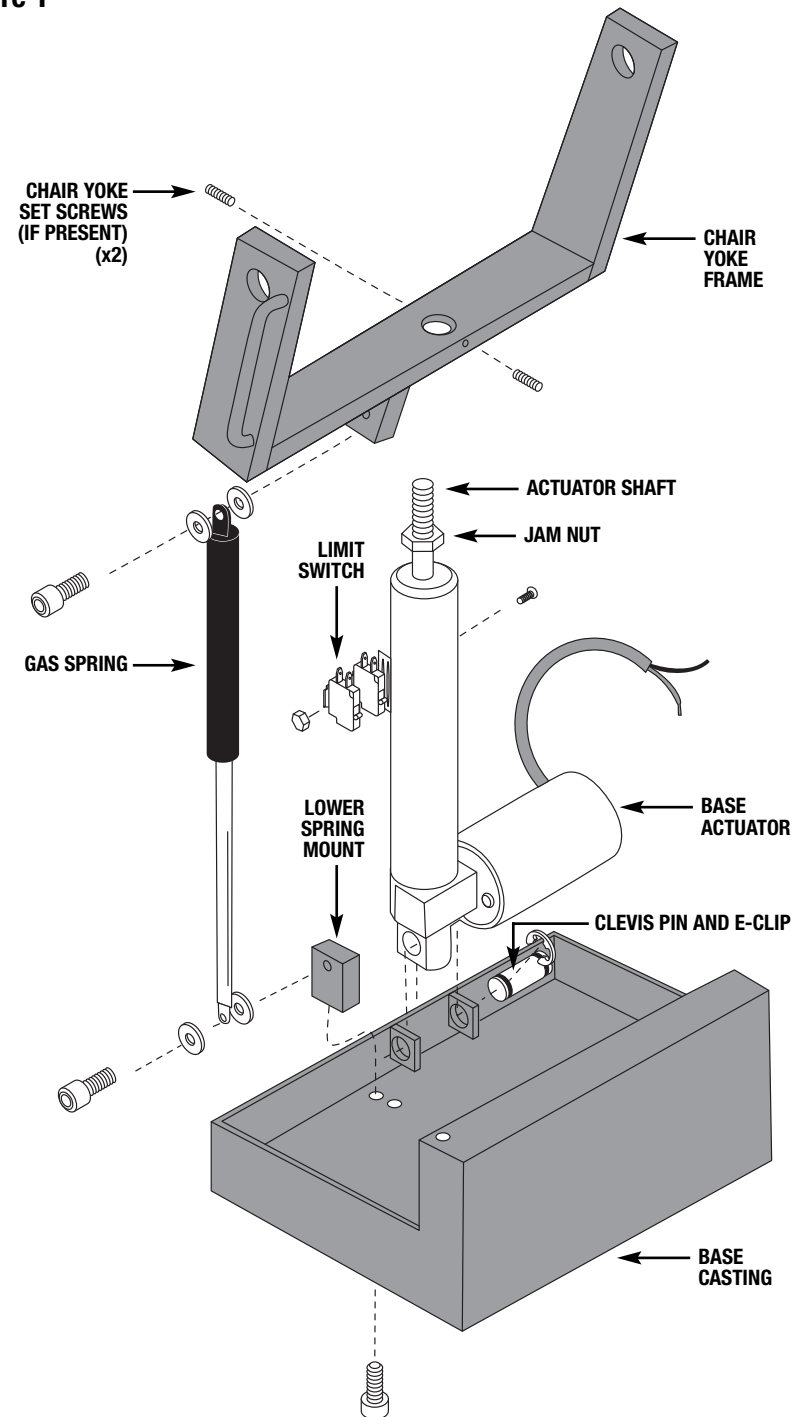


WARNING: Chair is heavy. Use proper lifting techniques (and an assistant if necessary) to raise and lower chair. Failure to do so could result in injury).

The next step only applies to the Midmark 413. If working on a Midmark 415 or if no gas spring is mounted on the 413, skip to Step #8.

7. Remove (2) screws and the gas spring lower spring mount from base casting. Retain mount and hardware for reuse later (*see Figure 1*).
8. Without disconnecting any wires, remove switch bracket along with both switches from the body of base actuator. Cut cable ties securing wires to the base actuator.
9. Remove cable ties located along the base actuator cable. Remove cable clamp from base actuator cable and retain with hardware for reuse later.
10. Disconnect (3) base actuator wires from terminal strip. **Note the location and color of each wire removed.**

Figure 1



11. Loosen jam nut at top of base actuator (*see Figure 1*).
12. If present, remove (2) set screws installed in the chair yoke frame (*see Figure 1*).
13. Remove back cover from side uprights. Retain back cover and all hardware for reuse later.
14. While supporting seat section, remove and retain lower clevis pin and e-clips from base actuator and lower bracket (*see Figure 1*).
15. While supporting seat section use a strap wrench or channel lock pliers to unscrew the base actuator shaft from the chair yoke frame. Note how far base actuator is threaded into the chair yoke to help with spacing the new actuator shaft (*see Figure 1*). Remove old actuator from chair.

INSTALLATION

1. Screw jam nut located on shaft of replacement base actuator all the way down to the end of the threads (*see Figure 1*).
2. If chair did not have set screws in the yoke frame apply Threadlocker 262 (RPI Part #RXA007 - included) to threads of base actuator. While supporting seat section, screw new base actuator into chair yoke frame approximately as far as the original actuator.
3. While supporting the seat section of chair, connect the base actuator to the lower bracket using the retained clevis pin and e-rings.
4. Connect (3) actuator wires to terminal screws locating them by color and location noted earlier.
5. Install cable ties and cable clamp to new actuator cable and using retained hardware install the cable clamp onto the base casting.
6. Install switch bracket assembly onto body of base actuator and use included cable ties to secure switch cable to actuator body.
7. Raise chair to upright position.



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8. Plug chair power cord into wall outlet.
9. Raise SEAT UP function all the way and BASE DOWN function all the way.
10. Using a strap wrench or channel lock pliers screw shaft of base actuator (do not damage the shaft) in or out until the lower back casting is parallel with angled surface of the side upright (*see Figure 2 for spacing*).
11. Tighten jam nut on threads of actuator shaft (*see Figure 1*).
12. If removed earlier reinstall (2) set screws into chair yoke frame and tighten (*see Figure 1*).
13. Using retained hardware reinstall back cover onto side uprights.

The next steps only apply to the Midmark 413. If working on a Midmark 415 or if no gas spring is mounted on the 413, skip to Step #18.

14. Unplug the chair power cord from the wall outlet and lay chair on its side.



WARNING: Chair is heavy. Use proper lifting techniques (and an assistant if necessary) to raise and lower chair. Failure to do so could result in injury.

15. Install lower gas spring mounting bracket into base casting using retained hardware.
16. Raise chair to upright position.
17. Install gas spring using hardware retained earlier.
18. Reinstall stirrup removed earlier.
19. Plug chair power cord into wall outlet and return back to service.

Figure 2

