

Instructions For Replacement Needle Valve Assembly

CAUTION

It is recommended that this repair be performed by an authorized Midmark Dealer or service representative. Do not attempt this repair without having general experience in repair of devices of this nature.

Removal of existing needle valve assembly:

1. Shut off gas supply to anesthesia machine.
2. Press O₂ flush to relieve pressure.
3. Removing knob: Use a 1/16" hex wrench to remove set screw in knob. If knob is still fastened to needle valve, check for another set screw in the same hole in knob.
4. Removing needle valve assembly: Use a 9/16" wrench at the hex area of the valve, turning counterclockwise.

Installation of replacement needle valve assembly:

Note: This replacement needle valve assembly has been factory lubricated.

1. Remove and discard red protective cap.
2. Screw needle valve assembly into port.
3. Tighten firmly with a 9/16" wrench.
4. Close valve by turning knob fully clockwise.
5. Turn on gas supply.
6. Check for leaks using a soapy water solution.

Note: This needle valve assembly has a positive stop which has been factory set. If the positive stop requires adjustment in the future, proceed as follows.

1. Shut off gas supply.
2. Turn knob fully counterclockwise.
3. Loosen set screw in knob with a 5/64" hex wrench.
4. Carefully rotate knob ¼ turn counterclockwise.
5. Tighten setscrew.