



Philips Respironics V200 Esprit Oxygen Valve Replacement

This guide outlines the removal of the oxygen valve in the Philips Respironics V200 Esprit.

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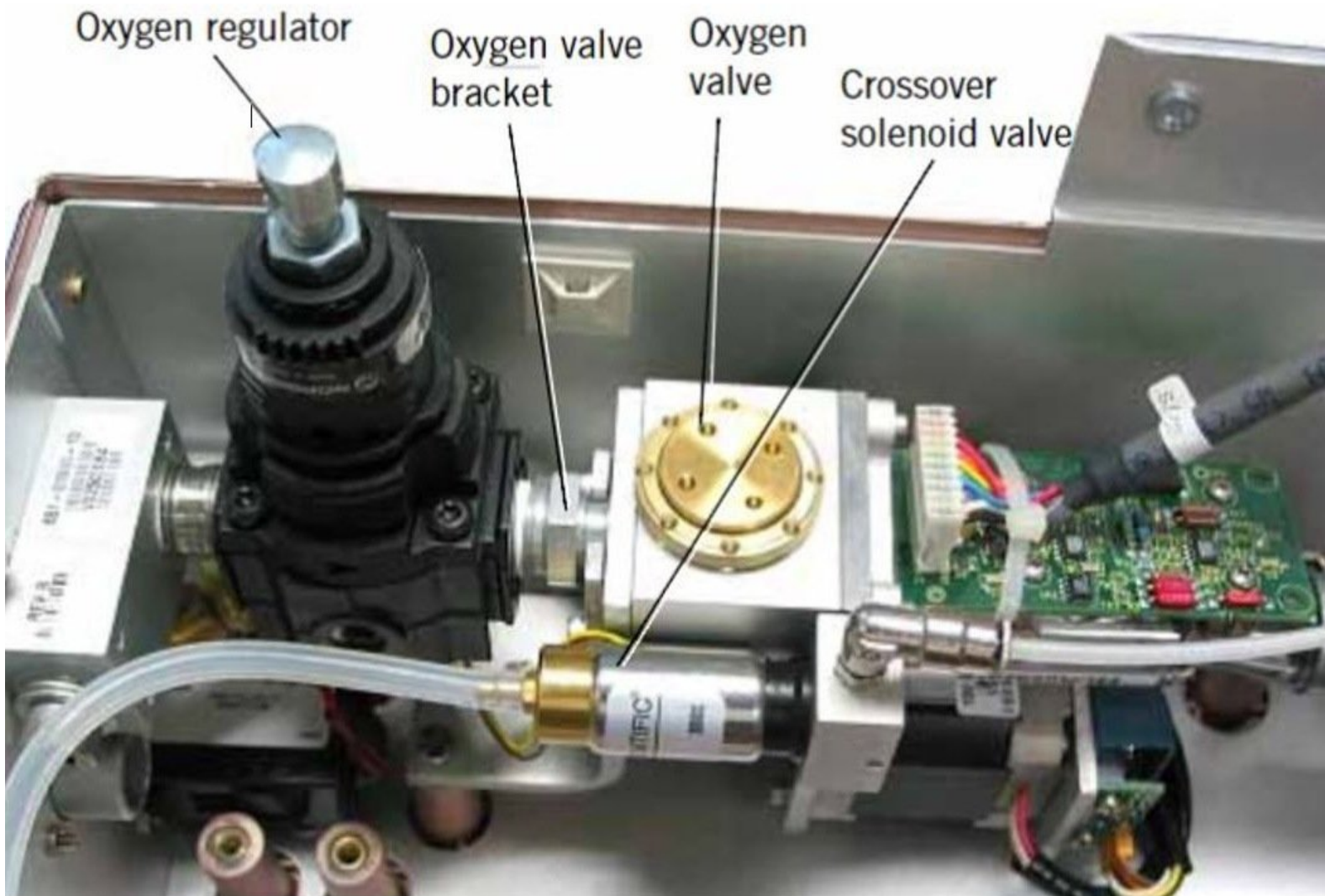


Figure 10-51: Oxygen Valve and Oxygen Regulator

INTRODUCTION

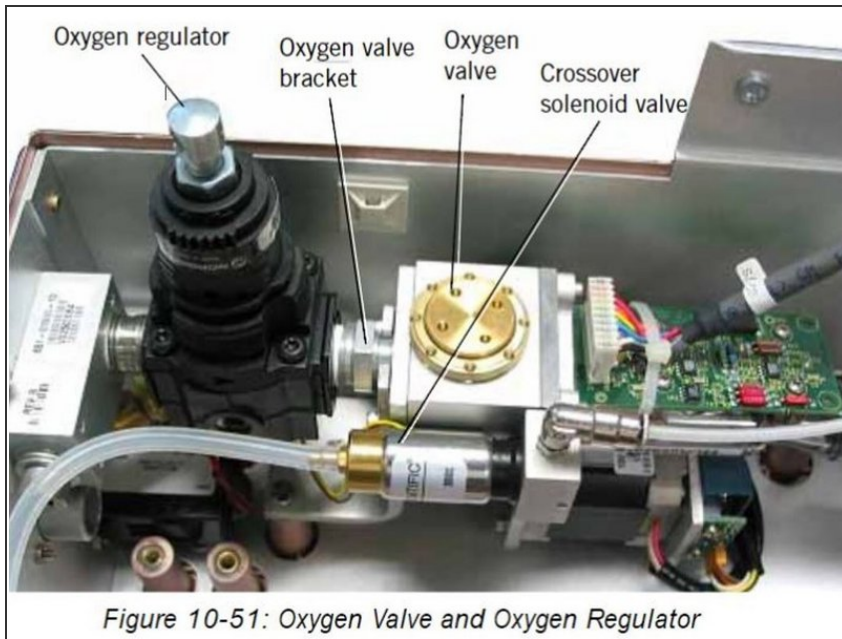
An 8-mm socket wrench with extension is required. For more information on replacing the oxygen valve, please refer to **page 9-74** of the service manual.



TOOLS:

- 8mm wrench (1)
-

Step 1 — Oxygen Valve



- Before replacing the oxygen valve assembly:
- You must install the oxygen regulator assembly before reinstalling the oxygen valve assembly
- When reinstalling the oxygen valve, make sure the oxygen regulator and oxygen flow sensor are fully installed to the oxygen valve assembly
- Always inspect the O-rings between interconnecting parts, and replace them if they are visibly damaged or rough to the touch.
- Always use new O-rings supplied with replacement parts
- Lightly lubricate O-rings with Krytox GPL226 lubricant when installing, and relubricate at every reinstallation

Step 2

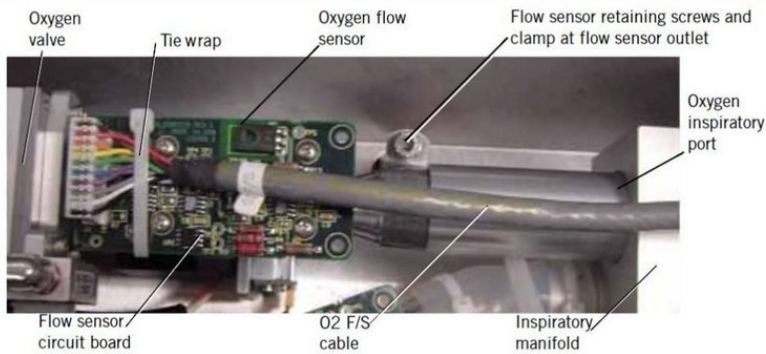


Figure 10-44: Oxygen Flow Sensor

- Remove the oxygen flow sensor
- (Instructions found in Chapter 10.26 of the Respironics V200/Esprit Ventilator Service Manual.)
- Careful! Do not cut the tie wrap or disconnect the O2 F/S cable from the flow sensor.

Step 3

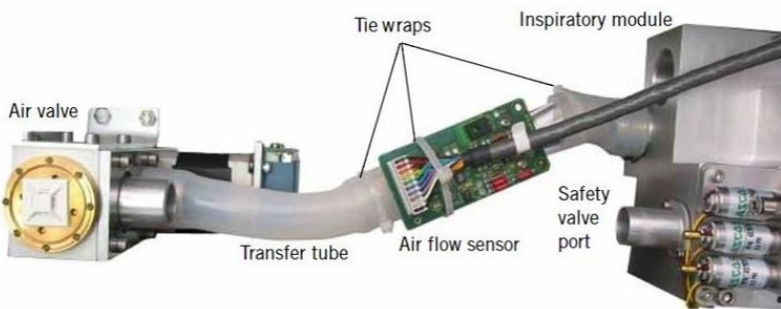
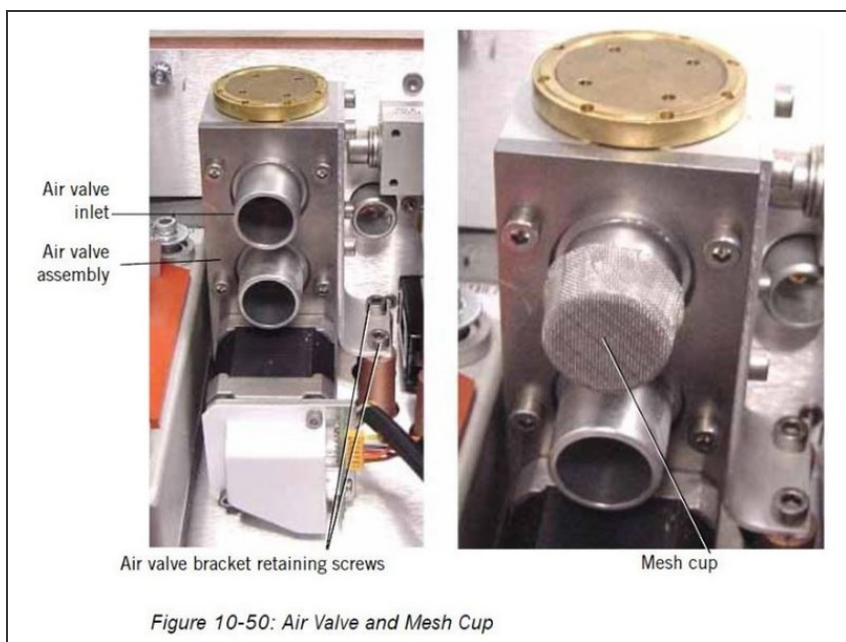


Figure 10-45: Air Flow Sensor

- Remove the air flow sensor
- (Instructions found in Chapter 10.27 of the Respironics V200/Esprit Ventilator Service Manual.)
- Careful! Do not cut the tie wrap or disconnect the AIR F/S cable from the flow sensor.

Step 4



- Remove the air valve assembly
- (Instructions found in Chapter 10.30 of the Respironics V200/Esprit Ventilator Service Manual.)

Step 5



- Disconnect the two MTR O2 cables on the oxygen valve from the mating MTR O2 cable

Step 6



- Disconnect the CROSS SOL cable from the crossover solenoid valve

Step 7



- Using a 8-mm socket with extension, remove the three bolts that hold the oxygen valve bracket

Step 8



- Slowly pull the oxygen valve assembly away from the oxygen regulator

To reassemble your device, follow these instructions in reverse order.