



Campbell Hausfeld FP204800 Manifold Assembly Replacement

Replace the manifold assembly if it has been cracked so that the compressor can retain pressure.

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INTRODUCTION

In order to remove the manifold assembly, you will need to nearly dismantle the compressor completely. Do not be alarmed, there are just a few key components involved in this to gain access to the manifold assembly. This fact should not hinder you from completing the repair. The guide is straight forward



TOOLS:

- [Phillips #2 Screwdriver](#) (1)
 - [6 mm Allen Wrench](#) (1)
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Step 1 — Remove Shroud Screws



- Unscrew the four 1cm long shroud screws using a 6mm Allen Wrench.

Step 2 — Remove Shroud



- Remove the plastic shroud from the compressor.

⚠ Do not pull the shroud too far from the compressor. You could damage the on/off switch wiring.

Step 3 — Remove The Wiring From the Pressure Switch to the On/Off Switch



- Gently pull the wire attached from the pressure switch to the on/off switch.
- It should come off the pressure switch with ease.
- ⓘ Make sure you are pulling the correct wire. The pressure switch could be in a different configuration on your compressor than in the picture.

Step 4 — Remove the On/Off Switch Wiring



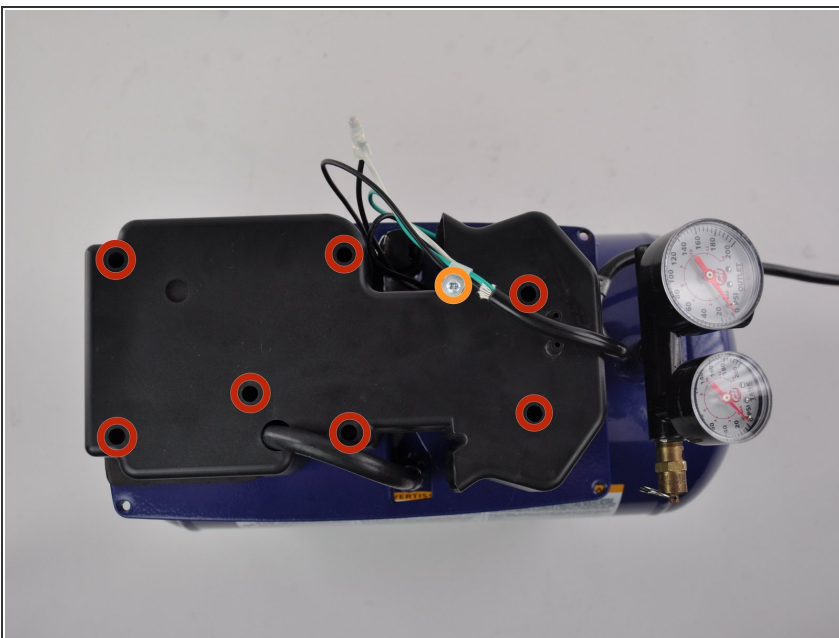
- Gently pull the wire connected from the on/off switch to the motor of the compressor.
- ⓘ It should be the only wire keeping the shroud from being lifted from the compressor.

Step 5 — Removing Exhaust Tube



- Unscrew the exhaust tube from the check valve using a smart wrench.
- ⓘ You do not need to remove the check valve, only the exhaust tube.

Step 6 — Unfasten Pump/Motor Assembly Shroud



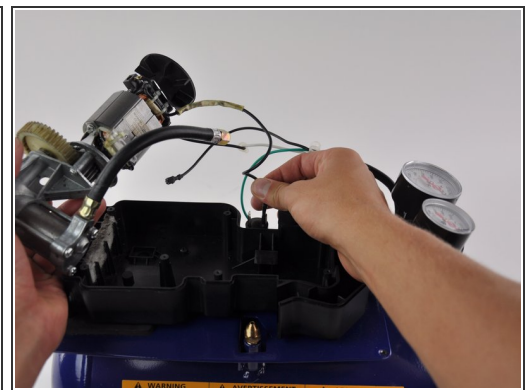
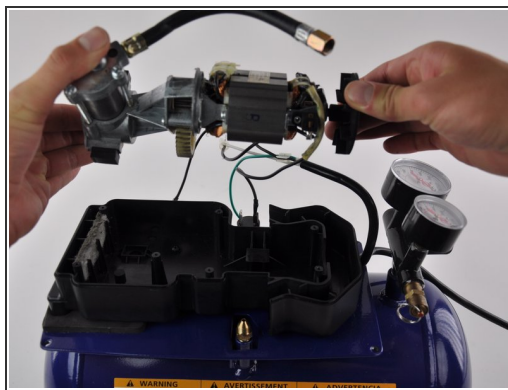
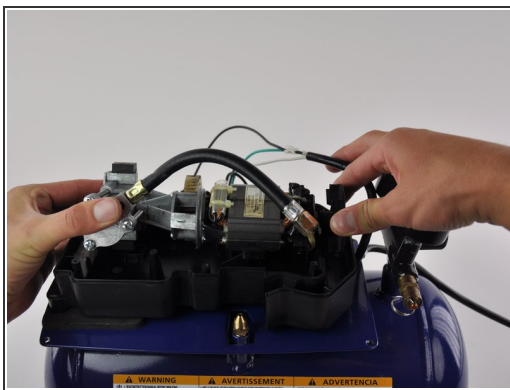
- Unscrew the six 1.75cm screws holding the Pump/Motor Assembly Shroud in place using a phillips #2 screwdriver.
- Remove the 1cm screw fastening the wires to the pump/motor assembly shroud using a phillips #2 screwdriver.

Step 7 — Remove Pump/Motor Assembly Shroud



- Remove the pump/motor assembly shroud by lifting it from the compressor.
- ⚠ The pump/motor shroud should be carefully removed so the exhaust tube is not damaged

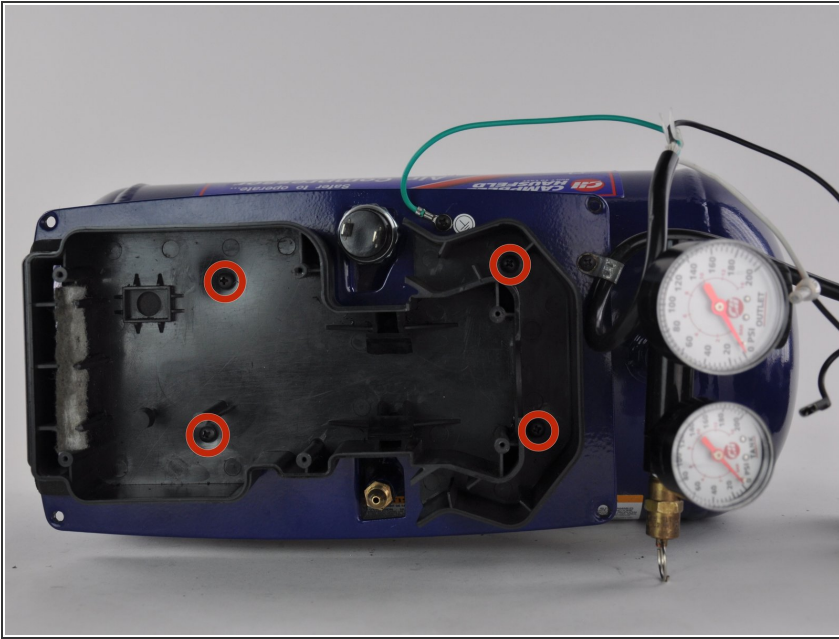
Step 8 — Remove Pump Assembly



- Gently remove the pump/motor assembly from the shroud.
- Remove the wire attached from the motor to the pressure switch by gently pulling it free from the pressure switch terminal.
- Set the pump/motor assembly on your work place next to the compressor.

⚠ Make sure that no wires are being pulled on the motor because they could be damaged while completing the repair.

Step 9 — Unfasten the Bottom Pump/Motor Assembly Shroud



- Remove the four 1.5cm screws using a Phillips #2 Screwdriver.

Step 10 — Remove the Bottom Pump/Motor Assembly Shroud



- Remove the bottom of the Pump/Motor Assembly Shroud by lifting it from the compressor.

Step 11 — Remove Manifold Assembly



- Remove the manifold assembly by gripping the manifold stem with a smart wrench and twisting in a counter-clockwise direction.

Step 12 — Remove Gages and Safety Valve



- Remove both the Pressure Gauges and the Safety Valve with a Smart Wrench by turning them in a counter-clockwise direction.

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