



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)

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.

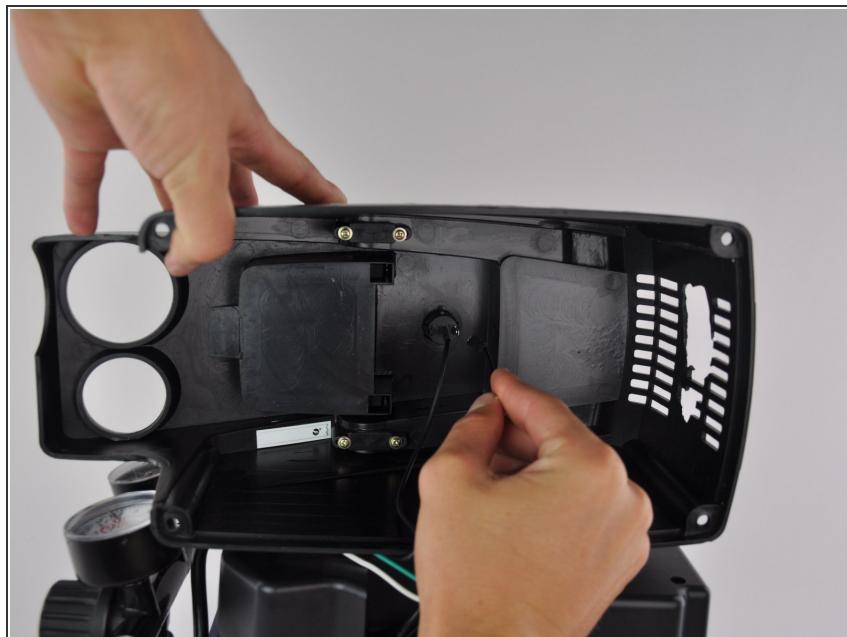
Step 3 — Remove The Wiring From the Pressure Switch to the On/Off Switch



- Gently pull the wire attached from the pressure switch to the on/off switch.
- It should come off the pressure switch with ease.

i 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.

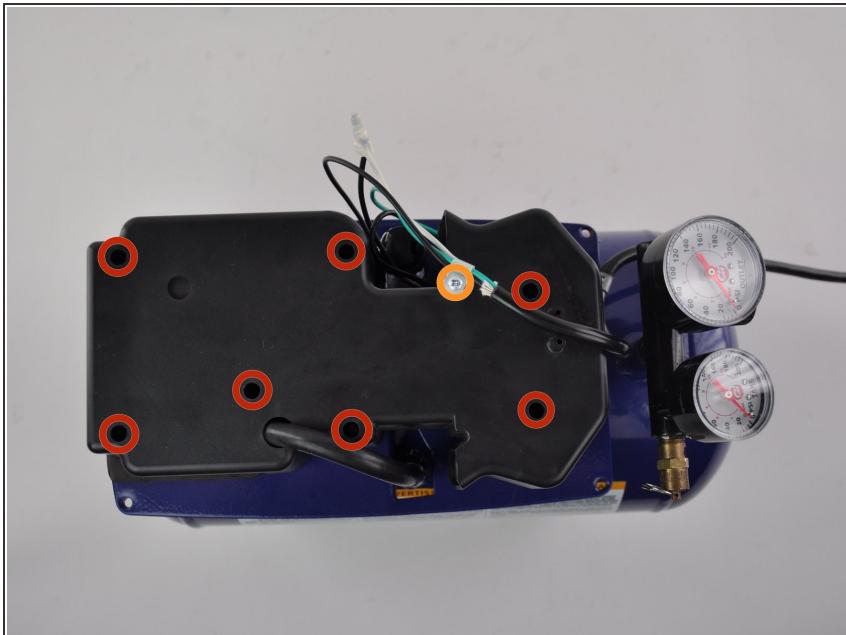
i It should be the only wire keeping the shroud from being lifted from the compressor.

Step 5 — Removing Exhaust Tube



- Unscrew the exhaust tube from the check valve using a smart wrench.
- (i)* 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.

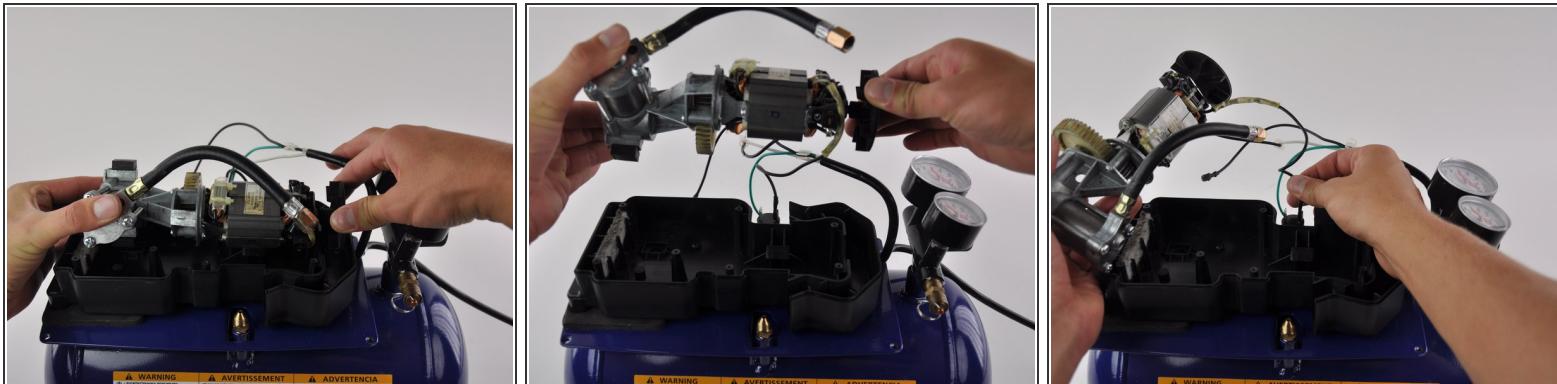
Step 7 — Remove Pump/Motor Assembly Shroud



- 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

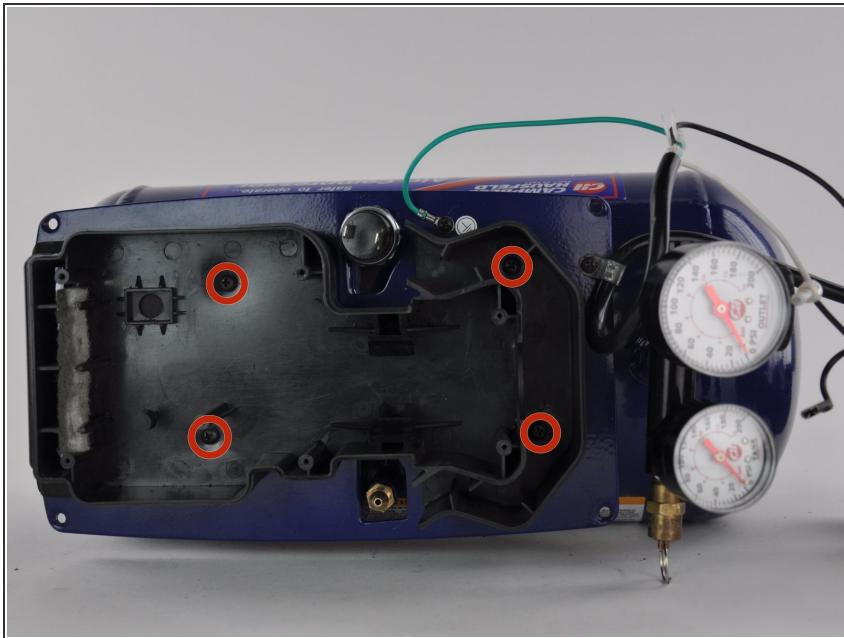
Step 8 — Remove Pump Assembly



- 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.