

# The Campbell Group

Campbell Hausfeld • Wayne • Powerwinch

From: Product Service

Concerning: FP2100 Contractor Models

Instructions/Attach To:

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Symptom: The compressor will not build up to cutout pressure causing it to not turn off automatically or the compressor has an air leak coming from under the shroud causing it to repeatedly cycle on and off even though no air is being used by the customer.

Unit affected: Fp210098AV and FP210099AV compressors showing a date code of August 01 or September 01 are most likely to have this condition

Possible causes: Unloader tube or exhaust tube has come loose from check valve. Check valve body defective causing small crack in check valve.

Repair procedure:

1. Pressurize the tank by turning on the compressor and let the tank begin to fill with air. Turn off the compressor and listen for the leak.
2. First determine that the drain cock is not open and that the air leak is apparently coming from under the right hand side of the shroud when facing the outlet of the compressor.
3. If the air leak appears to come from inside the shroud, unplug the compressor from the power source and remove the four screws from the control panel cover. Remove the control panel cover.
4. Observe if the unloader tube or exhaust tube appear to be visually disconnected from the check valve. If so, proceed with reattaching the unloader tube or exhaust tube. If not, skip to step 9.
5. Let all of the air out of the tank for safety reasons. You can do this by opening the drain cock.
6. Using a very long Phillips screwdriver remove the shroud screws. There are screws that are recessed into the shroud and are difficult to see. There are also screws that attach the shroud halves to the tank base.
7. Remove the right half of the shroud.
8. Loosen the retaining nut and remove the ferrule from inside the check valve if it is not connected to the tubing.
9. Exhaust (brass) Tubing - if the brass tubing is disconnected from the check valve, you can reuse it if it is not deformed from the compression ferrule. If the end of the tube appears distorted, the tube must be replaced. Always use a new ferrule. The nut can usually be reused. The nut should be placed on the tube before the ferrule. Push the tube into the check valve until it stops, then tighten the nut to 15 in-lbs. or until it does not leak air. Do not over tighten.