



STAR ONLINE PUBLICATION



Case Number: S2124000004

Release Date: 03/16/2021

Symptom/Vehicle Issue: A/C does not cool and vehicle is low on Freon charge but no leak is found with sniffer or black light anywhere in the system

Discussion: Fill the high side and low side charge ports with POE oil. Turn the vehicle on, set A/C to the "A/C Max" setting and let the car run for 5 min, Inspect the charge ports for bubbles coming from the valves.

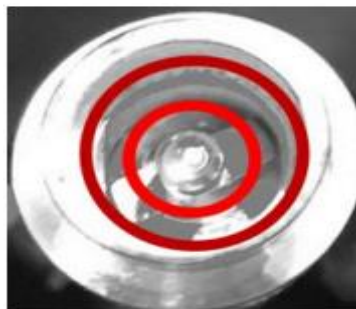
- Turn the car ON, with A/C set to the "Max A/C" setting. Let the car run for 5 minutes.
- Confirm the vehicle blows warm air (Follow procedure in the repair manual)
- Read High side system pressure using the scan tool
- If the results from step 1 & 2 do not meet the spec, check the system thoroughly for leaks using Black light and the sniffer tool. If no leaks are found, move to step 5.
- With the vehicle ON and A/C set to "Max A/C", remove the cap on the High side charge port and fill the housing with POE oil. Lightly tap the housing to ensure all trapped air has escaped.

NOTE: Under no circumstance use PAG oil for PHEV vehicle.

Check to see if bubbles come out of the valve. Please note whether the bubbles are coming from around the valve or through the valve.

- If bubbles detected, reclaim the system through the low side ONLY, replace the entire line and send part back to FCA.

Use Leak Detector Sniffer in
This Area as Shown Below.



This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found