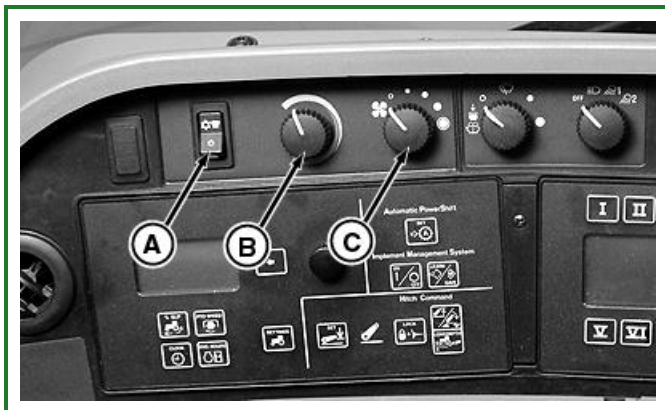


Reference 290-10-002, Manual HVAC Operational Check

Operational Checks

1 Circulation Blower Motor Check

Action:



RXA0083276-UN: A/C Controls

LEGEND:

- A - Compressor Switch
- B - Temperature Control Knob
- C - Blower Motor Control Switch

1. Turn Key Switch to RUN (engine off).
2. Turn Blower Motor Switch from LOW to MEDIUM, to HIGH, and to PURGE positions.
3. Listen for a change of blower speed as each speed is selected.

Record of Actual Results:

Result:

OK:

GO TO 2 .

NOT OK:

Note condition. Return to diagnosis in progress.

2 Pressurizer Blower Motor Check

Action:

1. Access fuse F6 located in the fuse load center.

NOTE:

See **Fuse Load Center Diagram Listing** (Reference 240-05-001) for location.

2. Turn Key Switch to RUN (engine off).
3. Turn Blower Motor Switch to LOW.
4. Remove fuse F6 from load center.
5. Listen for motor operation to stop when fuse F6 is removed.
6. Reinstall fuse F6.

7. Listen for motor operation to resume when fuse F6 is reinstalled.

NOTE:

Motor operation can be visually checked by removing the fresh air filter under right-front corner of the cab.

Record of Actual Results:

Result:**OK:**

GO TO 3 .

NOT OK:

Note condition. Return to diagnosis in progress.

3 Compressor Clutch Engagement Check

Action:

1. Open cab door and turn Key Switch to RUN (engine off).
2. Turn A/C Compressor Switch ON.
3. Turn Blower Motor Switch on LOW.
4. Turn A/C Compressor Switch OFF and ON several times. Listen for a click during compressor clutch engagement.

NOTE:

The evaporator temperature must be above 3°C (37°F) so contacts of deicing switch will be closed. System must also be charged with 3-4 bar (300-400 kPa) (45-60 psi) so the dual pressure switch will be closed.

Record of Actual Results:

Result:**OK:**

GO TO 4 .

NOT OK:

Note condition. Return to diagnosis in progress.

4 Air Duct Distribution Check

Action:

Check flow of air from outlets at steering cowl and right hand console with blower motor switch at PURGE.

Operate air vent control in the following positions:

- Left Position (Defrost) - Majority of air is directed at windshield and right foot.
- Middle Position - Air is directed at windshield, operators body and right foot.
- Right Position - Air is directed at operators body and right foot.