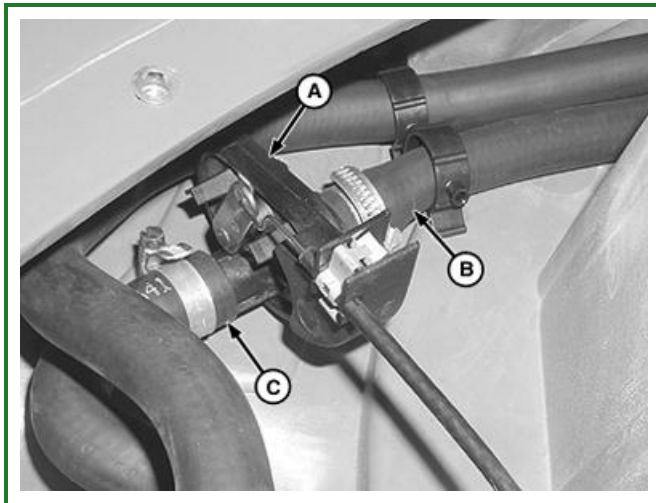


Start engine and set engine speed to 2000 rpm.

Set A/C temperature control to full CCW to cause compressor to operate.

Locate heater coolant tubes under HVAC housing cover in roof of cab.



LV12322-UN: Heater Coolant Tubes

LEGEND:

A - Heater Temperature Control Valve

B - Inlet to Control Valve

C - Outlet from Control Valve

- Front tube (B) is the inlet to the control valve.
- Rear tube (C) is outlet from control valve going to the heater core.

When the water valve is closed, both tubes should be cool or easy to touch. The water valve should be closed with the heater temperature control set to OFF (CCW).

Crimp hose of the inlet tube using two flat washers and locking pliers.

Repeat temperature drop check.

Record of Actual Results:

Result:

OK:

Temperature difference within specifications.

GO TO 3.

NOT OK:

Temperature difference not within specifications.

GO TO 4.

3 Engine Coolant Is Not Shut Off

Action:

Engine coolant is circulating for the following reasons:

- Heater valve is installed in the incorrect flow direction.
- Heater valve control cable is out of adjustment and does not shut off valve.
- Heater valve is leaking internally in the OFF position.

NOTE:

To limit spillage of antifreeze into evaporator housing, see Repair Manual for disassembly and removal procedure for heater valve.

Record of Actual Results:

Result:

OK:

Repair as necessary.

GO TO 1.

4 Excessive Air Leakage from Cab

Action:

Check for excessive air leakage inside the cab at the following locations:

- Deteriorated cab door and window seals.
- Improperly sealed openings for electrical harnesses.
- Poor fit of air duct to evaporator housing and circulation blower motor.

Record of Actual Results:

Result:

OK:

No system leaks.

GO TO 5.

NOT OK:

System leaks. Repair as needed.

GO TO 1.

5 Possible Causes for Lack of Cooling

Action:

Lack of cooling can be caused by the following components, if they are dirty or damaged.

- Condenser, oil cooler or radiator
- Recirculating filter
- Blower air duct and fan cages