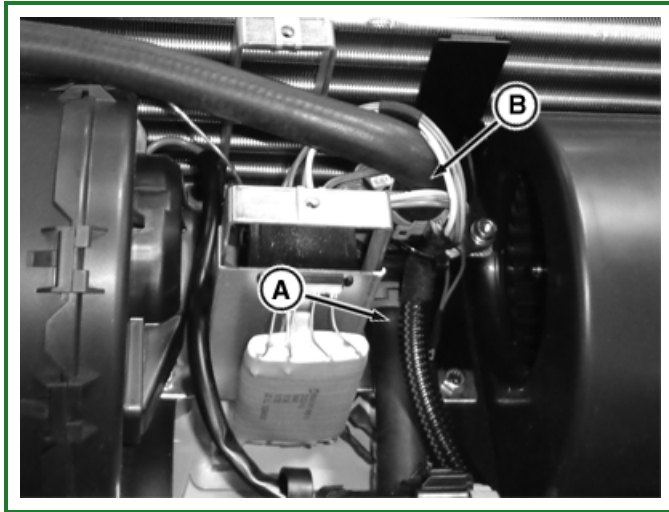


Start engine and set engine speed to 2000 rpm

Set air-conditioning temperature control to ON (CW) to cause compressor to operate.

Locate heater coolant tubes under the left front corner of cab.



PY35280-UN: Heater Control Valve

LEGEND:

A - Inlet to Control Valve

B - Outlet from Control Valve

- The front tube is inlet to the control valve (B).
- The rear tube is outlet from the control valve (C) going to the heater core.

When the water valve is closed, both tubes must be cool or easy to touch. The water valve must be closed with the heater temperature control set at full 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.
- Control cable of the heater valve 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 the evaporator housing, see Repair Technical Manual for disassembly and removal procedure for the 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 the air duct to the 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:

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

- Condenser, oil cooler, or radiator
- Recirculating filter
- Blower air duct and fan cages
- Evaporator/heater core