

ISSUE DATE **4-87** MODEL **FastResponse II Generator Sets 125, 150 ROZ (Cummins NTA495-Powered)**

REVISION DATE

SUBJECT **Anticipatory High-Water-Temperature, Nuisance Alarm**

NO. **457**

The subject problem, if noted on early production units, may be corrected using the following parts and procedure. Parts and labor may be covered under warranty. Flat-rate time allowed is 1.5 hours.

Parts Required:

Quantity	Part Number	Description
1	X-206-9	Pipe Nipple
1	A-108	Pipe Tee (reuse existing)
1	X-75-6	Pipe Plug (reuse existing)
1	X-582-8	Hose Connector (reuse existing)
1	X-75-3	Pipe Plug (1/2 NPT)

To Install Parts:

⚠ WARNING

ELECTRICAL SHOCK! Battery can cause electrical burns and shock. Exercise reasonable care when working near the battery to avoid electrical connections through tools. Remove wristwatch, rings, and any other jewelry.

⚠ WARNING

HOT COOLANT! Engine coolant is pressurized, and hot enough to cause severe burns. If generator set is equipped with a coolant recovery tank, check coolant at tank. If necessary to check coolant level at radiator, or surge tank (on city-water-cooled, or remote-radiator-cooled sets), place a rag over the cap and turn slowly to release pressure before removing cap.

1. Place controller master switch in OFF/RESET position. Disconnect battery, negative (-) lead first.
2. Drain coolant from radiator, and engine block, as necessary to remove block heater hose and connections.
3. Disconnect block heater AC circuit.
4. Disconnect block heater hose, and remove parts shown in Figure 1. Use X-75-3 (1/2 NPT) pipe plug, and pipe thread sealer to close hole.

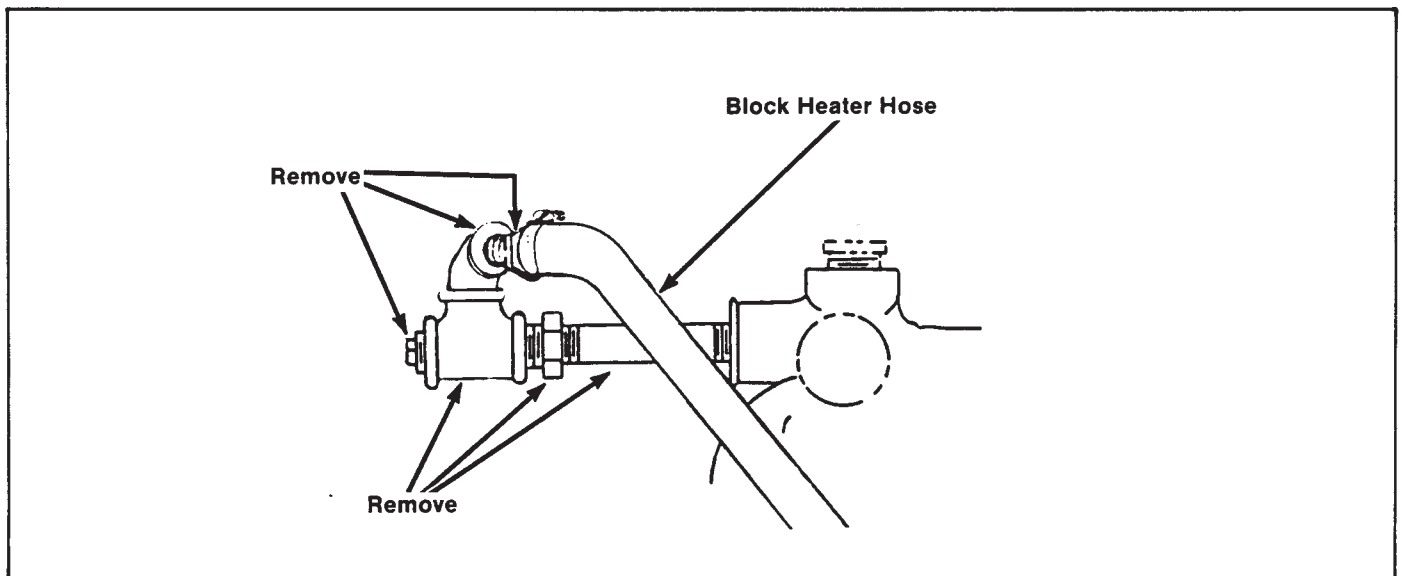


Figure 1.

Routing	Service Manager	Sales Manager	Parts Manager	Technician No. 1	Technician No. 2	Technician No. 3	Technician No. 4	Return This To
Initial Here ▶								



Standby

5. The new block heater hose connection is to be installed at the rear of the engine block, above the flywheel housing. See Figure 2. Remove pipe plug from existing tee. Install X-206-9 pipe nipple, A-108 tee, and X-582-8 hose connector, with pipe thread sealer, as shown.

6. Install X-75-6 pipe plug, or Low-Water-Temperature Switch at top of tee.
7. Route block heater hose to connector, without any sharp bends, or high spots. Cut hose to necessary length, and secure it to connector with hose clamp.

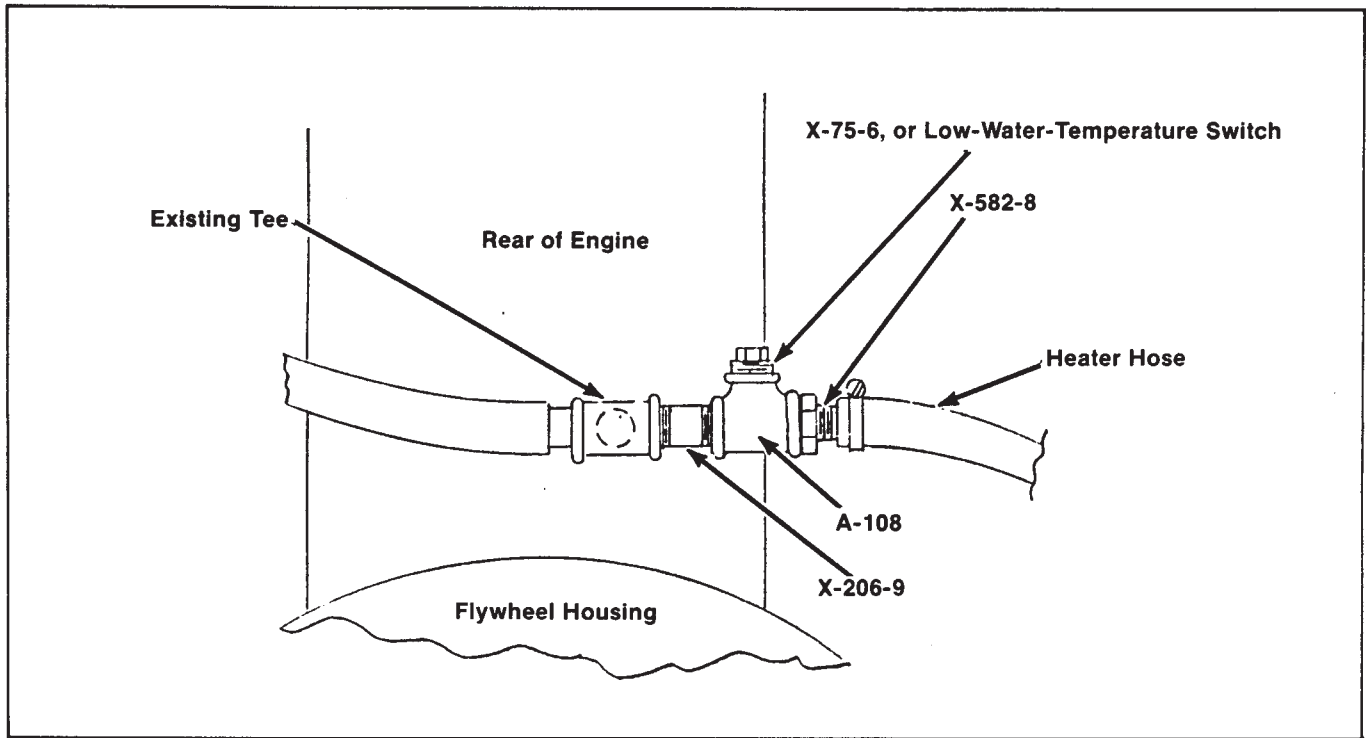


Figure 2.

8. Reconnect hose to connector at pipe tee, and refill radiator. Leave radiator cap loose.
9. Reconnect starting battery, negative (-) lead last, and battery charger. Move controller master switch to RUN position to start engine, and remove air from cooling system.
10. Reconnect block heater AC circuit.

11. Move controller master switch to OFF/RESET position to stop engine. Carefully remove radiator cap, and add 50/50 ethylene-glycol coolant, as necessary to fill cooling system. Tighten radiator cap.
12. Move controller master switch to AUTO position, as necessary for automatic starting.