

# Restricted or Clogged Heater Core Servicing with R106 Cooling System Flush



*\*Specialized Equipment is not required*

**Note: During the service procedure, the engine will have to be brought up to normal operating temperature. DO NOT open the radiator cap until the vehicle's cooling system has been allowed to cool. Please read complete instructions before starting the procedure.**

## **Before Performing Procedure:**

- **Wear proper clothing, gloves, goggles, etc.**
- **Check Engine Oil**
- **Check Transmission Fluid**
- **Perform a visual inspection of the vehicle for fluid leakage.**
- **Verify the engine is cool and the cooling system does not contain pressure. This usually can be done by squeezing the upper radiator hose.**
- **Verify adequate ventilation.**
- **Verify that the vehicle is not making any underhood noises such as knocking or rapping.**

## **Procedure 1: Accessing the Heater Core**

Step 1: Locate the Radiator Cap

Step 2: With the engine off. Squeeze the upper radiator hose to verify the engine has cooled and no pressure exists in the cooling system. Remove the radiator cap.

Step 3: Reinstall the Radiator Cap

Step 4: Locate the Heater Core and Hoses



Step 5: Remove Heater Hose Clamps

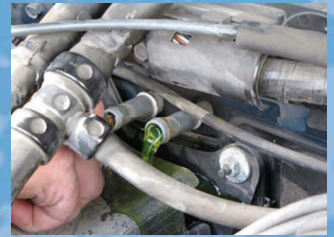


Step 6: Gently remove Heater Hoses-Take care not to crush the heater core nipples. It may be helpful to plan on replacing the heater hoses during this service. Catch any fluid that comes out of the core.

**\*Dispose of all used automotive fluids properly**

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Step 7: Using a blow gun, gently blow air into the heater core. You are not trying to dislodge any calcium deposits or rust during this procedure, you are only trying to make room to install the flush chemical.



## **Procedure 2: Flushing the Heater Core with R106 Cooling System Flush**

Step 8: Install Temporary Hoses onto the Heater Core nipples.



Step 9: Pour R106 Cooling System Flush into the heater core using one of the temporary hoses.



Step 10: Add hot water into the same temporary hose to completely fill the heater core. Allow to sit for 1 hour.

Step 11: If the heater core is small or the core is reduced in volume because of calcium and rust build-up, you may have to use 1/2 a bottle of ET106 and perform the flush twice to get more complete cleaning.

## **Procedure 3: Rinsing the Heater Core and Returning the Vehicle to Service**

Step 12: Using fresh water, rinse the heater core. Hook your water hose to one of the temporary hoses, allow to rinse the heater core until the water runs clear.

Step 13: If not already done, properly flush complete cooling system. If the heater core is flushed without flushing the complete cooling system, the heater core will quickly become re-clogged.

Step 14: Fill cooling system with Fresh Coolant of the correct type for your application. Consult manufacturer's specifications.

Step 15: Start engine and properly bleed cooling system per manufacturer's instructions.

Step 16: With the engine off, clean up any spilled fluid. Roadtest vehicle and verify there are no leaks in the cooling system.

Step 17: Allow the vehicle to cool and check coolant level.

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