Coolant Pressure Leak Test

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Property and Top Bus Number: All NABI Bus Products

Reason/ cause: Pressurize the cooling system to inspect for leaks

Necessary tools: Automotive Coolant pressure tester

Coolant Pressure Leak Test

SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.

NOTE; the following step should be performed with the engine coolant temperature below 90F.

Checking the Radiator Cap;

1. Locate the Surge Tank in the engine compartment and release the coolant pressure by pushing the pressure relief valve
2. Remove the Radiator Cap located on top of the Surge Tank
3. Verify the cap is rated 15-16 psi which is stamped on top of the cap
4. Hook up the pressure tester to the cap using the adapter that comes with the kit and pump the pressure up to15 psi then let set for 1 minute.

5. The cap should hold the pressure at 15-16 psi. If pressure is stable after 1 minute pump the pressure up to 25 + psi to see if the radiator cap will release back down to 15-16psi
6. Replace the radiator cap with a new one if the cap fails this test

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Checking Bus Cooling system for leaks;

1. With the radiator cap removed from the surge tank, check the coolant level in the surge tank. The coolant level should be at the “cold full” mark.
2. Connect the coolant pressure tool to the surge tank radiator cap neck as shown in the picture below
3. Pump the pressure up to 15-16psi

Caution; do not pump the cooling system pressure past 16 psi. Over pressurizing the cooling system could cause damage to the radiator and other system components.

4. Monitor the pressure for 15 minutes.
5. If the pressure is stable (do not drop) within 15 minutes release the pressure, check coolant level in surge tank and reservoir. Should be at the “cold full” mark. Install the radiator cap

NOTE; if coolant pressure drops within 15 minutes continue to the next steps

6. Pump the pressure back up to 15-16 psi.
7. Visually look for coolant leaks though out the cooling system and make the necessary repairs
8. Once repairs are completed, repeat steps 2-6