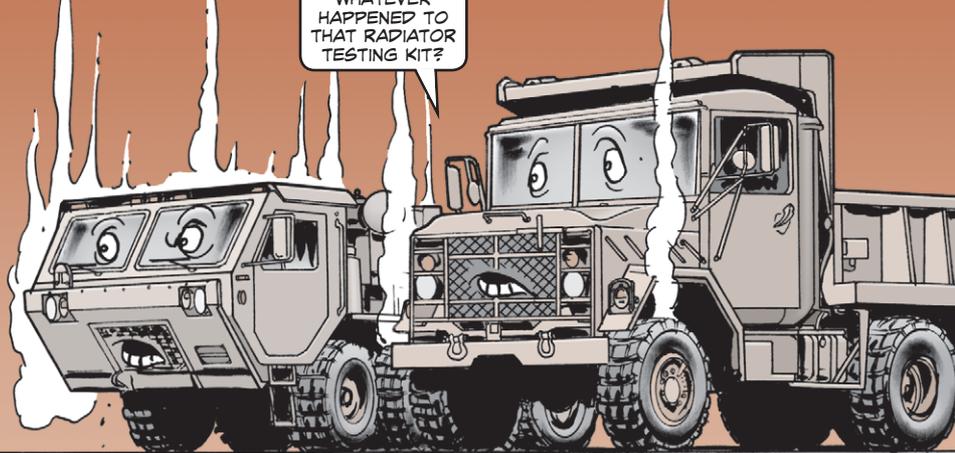
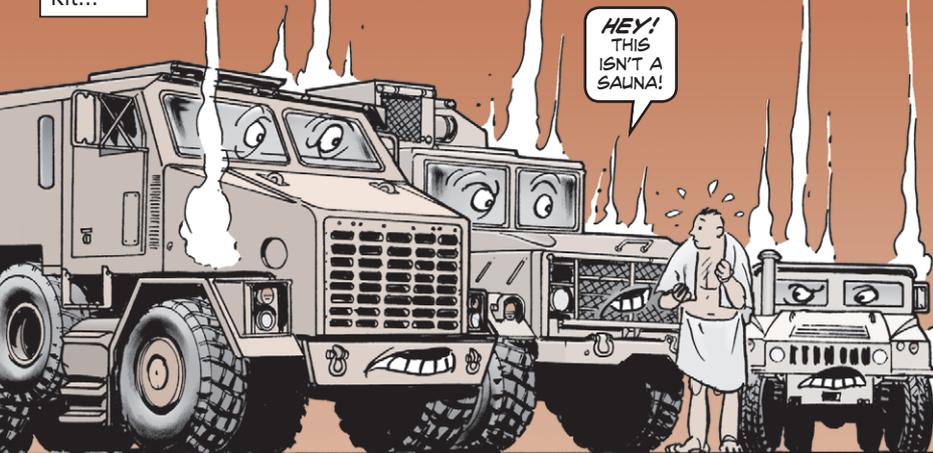


ST255
Radiator
Testing
Kit...

CAN YOUR VEHICLE'S COOLING

SYSTEM PASS THE TEST?



WANT YOUR VEHICLE'S COOLING SYSTEM TO STAY IN BUSINESS?

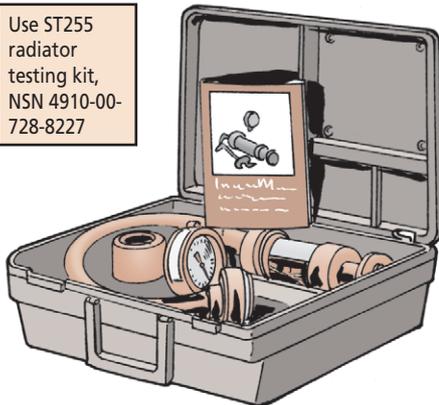


WELL, HERE ARE PREVENTIVE MAINTENANCE EQUIPMENT AND TESTS THAT CAN SAVE ON REPAIR BILLS, AND KEEP YOU OUT OF HOT WATER!

Using the ST255 radiator testing kit, NSN 4910-00-728-8227, allows you to test the radiator cap and your vehicle's entire cooling system. The kit is listed in TM 750-254, *Cooling Systems: Tactical Vehicles*.

The ST255 radiator testing kit includes a hand pump, a pressure gauge, and adapter fittings for attaching to the various types of caps.

Use ST255 radiator testing kit, NSN 4910-00-728-8227



Radiator Cap

Radiator caps should be tested periodically to make sure they work properly. A defective cap can cause loss of coolant, over-pressure damage or collapse of cooling system components.

Here's how to test the radiator cap with this tester:

Begin by looking at the radiator cap to make sure the gasket is not cracked or torn. Replace the cap if the gasket is damaged.

Get an adapter from the testing kit that will fit your radiator cap.

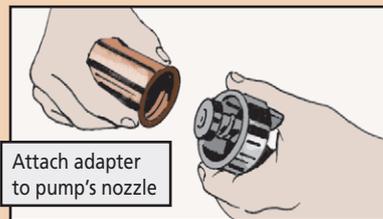
Attach the adapter to the pump's nozzle.

Moisten the gasket on the cap with water or antifreeze, the way it would be under normal conditions.

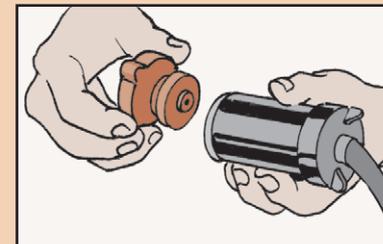
Attach the radiator cap to the adapter.

Work the pump until the gauge shows the required pressure (psi). The psi is stamped on the radiator cap.

If the cap is good, the needle on the gauge will hold at the required psi. If the needle doesn't hold, the cap is losing pressure. And it's time for a new cap.



Attach adapter to pump's nozzle



Attach radiator cap to adapter

PS MORE

Cooling System

Small problems in the cooling system—like low coolant level or cracked hoses—can quickly turn into big problems. Anything that'll interrupt the flow of coolant can make the engine overheat. If that happens for even a little while, you're headed for trouble!

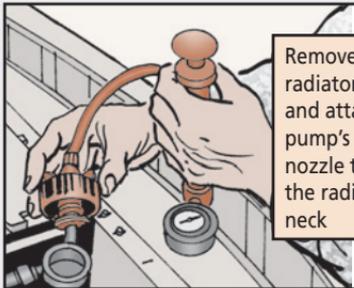
JUST ONE LEAKY HOSE CAN DRAIN THE SYSTEM OF COOLANT.

PREVENT THIS FROM HAPPENING BY TESTING THE ENTIRE COOLING SYSTEM FOR LEAKS.

FOLLOW THESE STEPS...

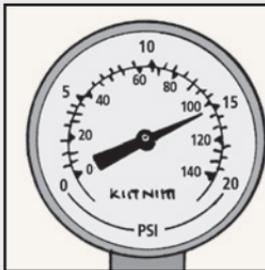


1. Make sure the engine's cool before testing.
2. Remove the radiator cap and attach the pump's nozzle to the neck of the radiator.



Remove radiator cap and attach pump's nozzle to the radiator neck

3. Work the pump until the gauge shows the required psi.



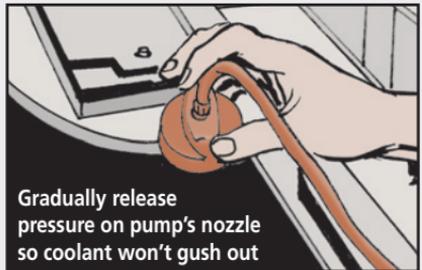
Work pump until gauge shows required psi

4. Keep an eye on the gauge. If the pressure's dropping, there's a leak in the cooling system. Listen for escaping air. And look for coolant leaks at these places:

- hoses
- hose connections
- water pump
- radiator
- engine freeze plugs

Also look for swollen or bulging personnel heater hoses. They probably need to be replaced.

5. After inspecting, gradually release the pressure on the pump so that coolant doesn't gush out. Remember, the system's under pressure.



Gradually release pressure on pump's nozzle so coolant won't gush out

BY THE WAY, IF YOUR VEHICLE IS A 2 1/2-TON OR LARGER TRUCK, THE ST255 RADIATOR TESTING KIT'S TESTER HEAD WON'T FIT ON THE RADIATOR NECK.

SOLVE THIS PROBLEM BY USING THE ADAPTER KIT THAT COMES WITH NSN 4910-01-447-5586.



PS
END