2004 > G 2.0 DOHC > Engine Mechanical System

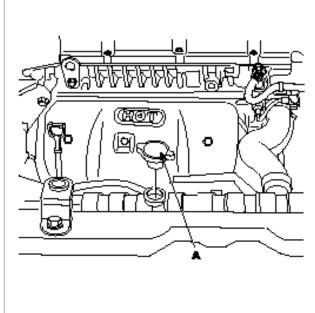
De

Engine Coolant Refilling and Bleeding

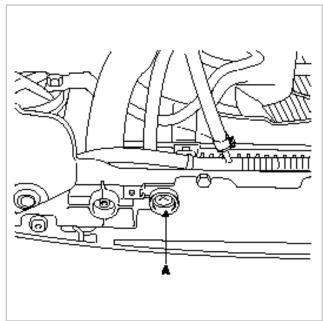
CAUTION

When pouring engine coolant, be sure to shut the relay box lid and not to let coolant spill on the electrical parts or the paint. If any coolant spills, rinse it off immediately.

- 1. Slide the heater temperature control lever to maximum heat. Make sure the engine and radiator are cool to the touch.
- 2. Remove radiator cap (A).



3. Loosen the drain plug, and drain the coolant.



- 4. Tighten the radiator drain plug (A) securely.
- 5. Remove, drain and reinstall the reservoir. Fill the tank halfway to the MAX mark with water, then up to the MAX mark with antifreeze.

http://www.hmaservice.com/viewer/content.asp?vehicletype=Pas...HY%5EXD13%5E2004%5Een%5E25%5Enone%5Enone%5Enone%5Eshop%5E%24

6. Mix the recommended antifreeze with an equal amount of water in a clean container.

NOTE

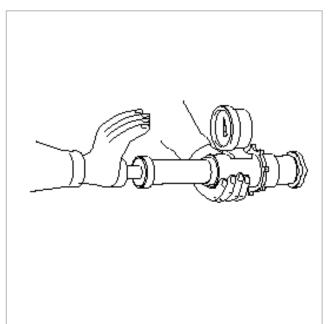
- •Use only genuine antifreeze/coolant.
- •For best corrosion protection, the coolant concentration must be maintained year-round at 50% minimum. Coolant concentrations less than 50% may not provide sufficient protection against corrosion or freezing.
- •Coolant concentrations greater then 60% will impair cooling efficiency and are not recommended.

CAUTION

- •Do not mix different brands of antifreeze/coolants.
- •Do not use additional rust inhibitors or anti-rust products; they may not be compatible with the coolant.
- 7. Pour coolant into the radiator up to base of the filler neck, and install the radiator cap loosely.
- 8. Start the engine and let it run until it warms up (the radiator fan comes on at least twice).
- 9. Turn off the engine. Check the level in the radiator, add coolant if needed.
- 10. Put the radiatir cap on tightly, then run the engine again and check for leaks.

Cap Testing

1. Remove the radiator cap, wet its seal with engine coolant, then install it no pressure tester.



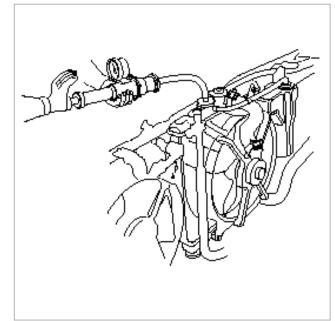
- 2. Apply a pressure of 93 ~ 123kPa (0.95 ~ 1.25kgf/cm², 14 ~ 19psi)
- 3. Check for a drop in pressure.
- 4. If the pressure drops, replace the cap.

Testing

1. Wait until engine is cool, then carefully remove the radiator cap and fill the radiator with engine coolant, then install it on the pressure tester.

http://www.hmaservice.com/viewer/content.asp?vehicletype=Pas...HY%5EXD13%5E2004%5Een%5E25%5Enone%5Enone%5Enone%5Eshop%5E%24

2. Apply a pressure tester to the radiator and apply a pressure of 93 ~ 123kPa (0.95 ~ 1.25kgf/cm² 14 ~ 19psi).



- 3. Inspect for engine coolant leaks and a drop in pressure.
- 4. Remove the tester and reinstall the radiator cap.

NOTE

Check for engine oil in the coolant and/or coolant in the engine oil.