

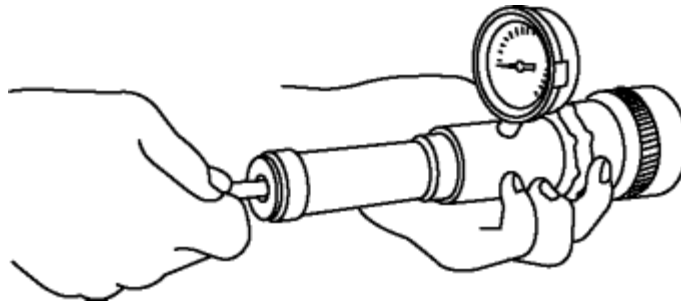
2012 - Mazda6 - Engine

COOLING SYSTEM CAP INSPECTION [MZI 3.7 V6]

WARNING:

- Never remove the cooling system cap or loosen the radiator drain plug while the engine is running, or when the engine and radiator are hot. Scalding engine coolant and steam may shoot out and cause serious injury. It may also damage the engine and cooling system.
- Turn off the engine and wait until it is cool. Even then, be very careful when removing the cap. Wrap a thick cloth around it and slowly turn it counterclockwise 2.5 turns. Step back while the pressure escapes.
- When you are sure all the pressure is gone, turn the cap using the cloth, and remove it.

1. Clean the cooling system cap and the sealed part.
2. Inspect the cooling system cap for cracks or everted seal.
 - If there is any malfunction, replace the cooling system cap.
3. Attach the cooling system cap to a commercially available radiator cap tester.



4. Hold the cooling system cap downward and apply pressure gradually. Verify that the pressure is held stable for **10 s**.

- If the pressure is not held stable, replace the cooling system cap.

Cooling system cap valve opening pressure

- 93—123 kPa {0.95—1.25 kgf/cm², 14.0—17.8 psi}

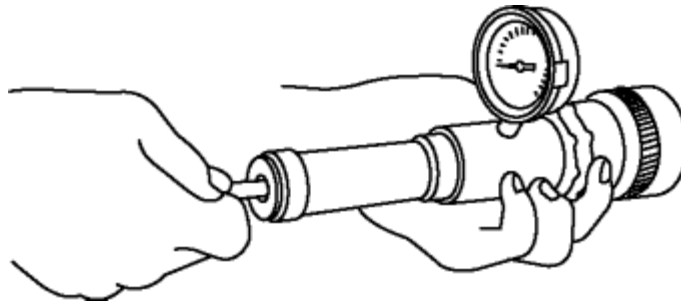
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