

2012 - Mazda6 - Engine

THERMOSTAT INSPECTION [MZR 2.5]

1. Remove the thermostat. (See [THERMOSTAT REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
2. Visually check that the thermostat valve is closed.
3. Place the thermostat in water.

WARNING:

- During inspection, the thermostat and water are extremely hot and can cause severe burns. Do not touch the thermostat and water.
4. Heat the water and check the following.
 - Opening temperature and valve lift
 - If there is a malfunction, replace the thermostat. (See [THERMOSTAT REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

Thermostat initial-opening temperature

- 80—84 °C {176—183 °F}

Thermostat full-open temperature

- 97 °C {207 °F}

Thermostat full-open lift

- More than 8.0 mm {0.31 in}

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