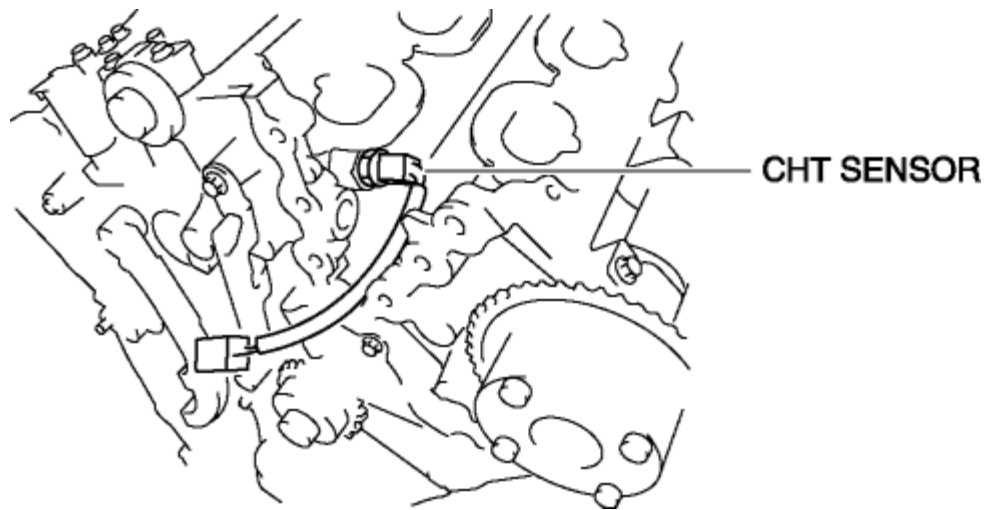


2012 - Mazda6 - Engine

CYLINDER HEAD TEMPERATURE (CHT) SENSOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

NOTE:

- Do not reuse the CHT sensor, install a new sensor.
1. Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 2. Perform the following procedure for easier access.
 - Complete the "BEFORE SERVICE PRECAUTION". (See [BEFORE SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)
 - Remove the engine cover. (See [ENGINE COVER REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the ventilation hose. (See [QUICK RELEASE CONNECTOR \(EMISSION SYSTEM\) REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the TP sensor connector. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the vacuum hose (to purge solenoid valve). (See [QUICK RELEASE CONNECTOR \(EMISSION SYSTEM\) REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the vacuum hose (to master back). (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the dynamic chamber. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the fuel hose. (See [QUICK RELEASE CONNECTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the fuel distributor. (See [FUEL INJECTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 - Remove the intake manifold. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 3. Disconnect the CHT sensor connector.



4. Remove the CHT sensor using the following tools.

- Socket
3/8", 20mm, 6point
- Ratchet handle and torque wrench
3/8" Drive

5. Install in the reverse order of removal.

Tightening torque

- 9—12 N·m {92—122 kgf·cm, 80—106 in·lbf}

6. Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)

[< Previous](#) [Next >](#)

[Back to Top](#)

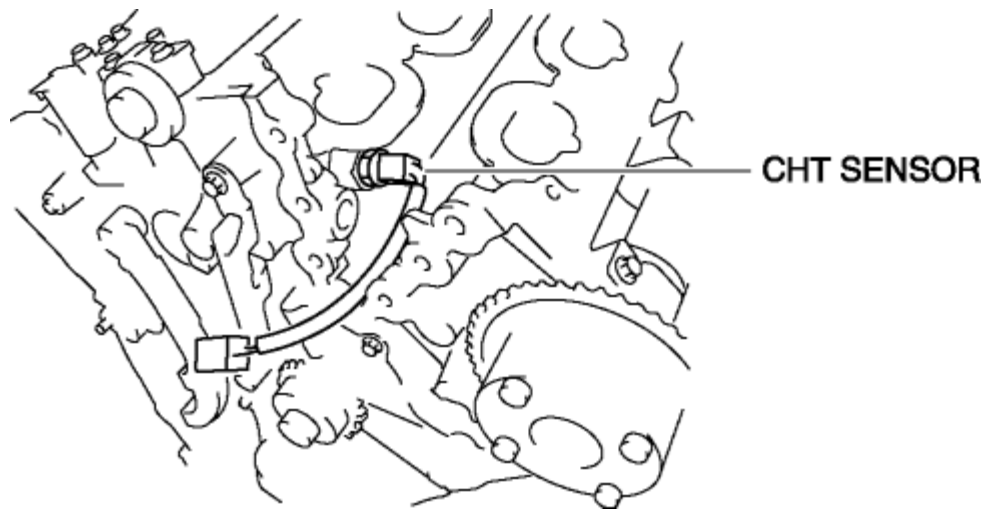
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[< Previous](#) [Next >](#)

[Back to Top](#)