

2012 - Mazda6 - Engine

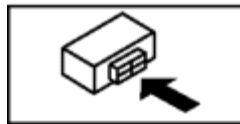
CAMSHAFT POSITION (CMP) SENSOR INSPECTION [MZI 3.7 V6]

Visual Inspection

1. Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
2. Remove the resonance chamber and air cleaner assy for easier access. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
3. Disconnect the CMP sensor connector
4. Remove the CMP sensor. (See [CAMSHAFT POSITION \(CMP\) SENSOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
5. Verify that there are no metal shavings on the CMP sensor.
 - If there is a malfunction, remove any metal shavings that are adhering.

Resistance Inspection

1. Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
2. Remove the CMP sensor connector.
3. Measure the resistance between CMP sensor terminals A and B.



- If not within the specification, replace the CMP sensor. (See [CAMSHAFT POSITION \(CMP\) SENSOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

CMP sensor resistance

- 800—1,320 ohms [18—28 °C {65—82 °F}]

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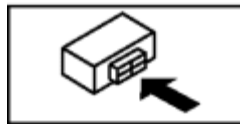
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