

2012 - Mazda6 - Engine

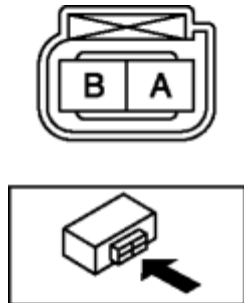
CRANKSHAFT POSITION (CKP) SENSOR INSPECTION [MZI 3.7 V6]

Visual Inspection

1. Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
2. Remove the catalytic converter (WU-TWC) (LH) for easier access. (See [EXHAUST SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
3. Remove the CKP sensor. (See [CRANKSHAFT POSITION \(CKP\) SENSOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
4. Verify that there are no metal shavings on the CKP 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 catalytic converter (WU-TWC) (LH) for easier access. (See [EXHAUST SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
3. Remove the CKP sensor connector. (See [CRANKSHAFT POSITION \(CKP\) SENSOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
4. Measure the resistance between CKP sensor terminals A and B.



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

CKP sensor resistance

- 575—790 ohms [18—28 °C {65—82 °F}]

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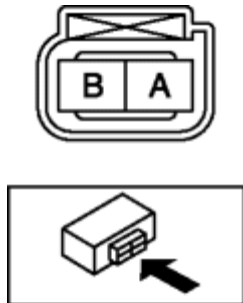
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