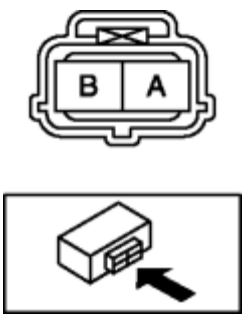


2012 - Mazda6 - Engine

ENGINE COOLANT TEMPERATURE (ECT) SENSOR INSPECTION [MZR 2.5]

1. Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
2. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZR 2.5\]](#).)
3. Remove the battery and battery tray. (See [BATTERY REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
4. Disconnect the ECT sensor connector.
5. Remove the ECT sensor. (See [ENGINE COOLANT TEMPERATURE \(ECT\) SENSOR REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
6. Place the ECT sensor in water with a thermometer, and heat the water gradually.
7. Measure the resistance between ECT sensor terminals A and B.



- If not as specified, replace the ECT sensor. (See [ENGINE COOLANT TEMPERATURE \(ECT\) SENSOR REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

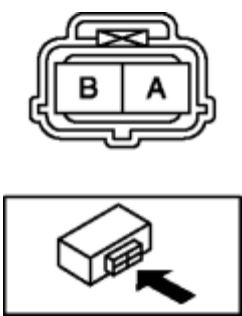
ECT sensor specification

ECT (°C {°F})	Resistance (kilohms)
20 {68}	35.48—39.20
80 {176}	3.65—4.02

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