

2012 - Mazda6 - Transmission/ Transaxle

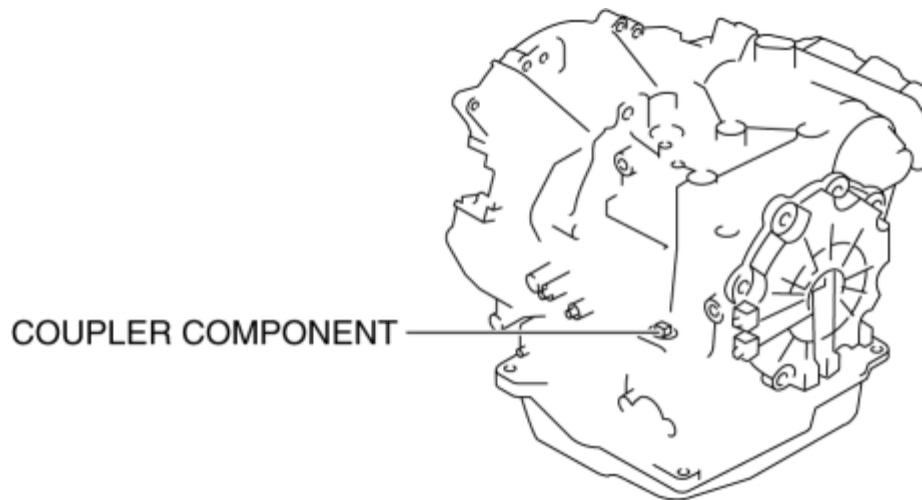
TRANSAXLE FLUID TEMPERATURE (TFT) SENSOR INSPECTION [FS5A-EL]

CAUTION:

- Water or foreign objects entering the connector can cause a poor connection or corrosion. Be sure not to drop water or foreign objects on the connector when disconnecting it.

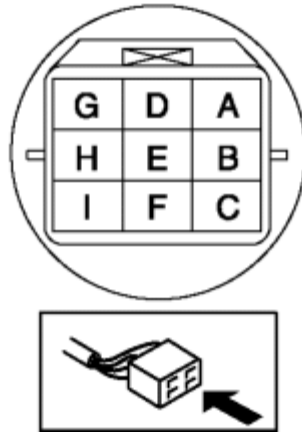
On-Vehicle Inspection

1. Disconnect the coupler component connector.
 - a. Disconnect the negative battery cable.
 - b. Remove the air cleaner component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
 - c. Disconnect the coupler component connector.



2. Measure the resistance between the coupler component terminal E and H.

COUPLER COMPONENT



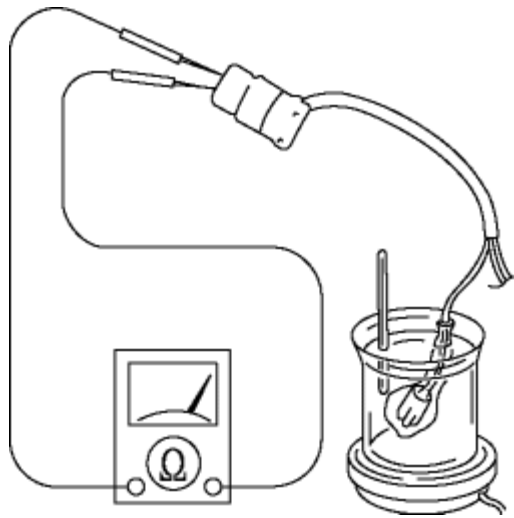
- If there is any malfunction, replace the coupler component. (See [TRANSAXLE FLUID TEMPERATURE \(TFT\) SENSOR REMOVAL/ INSTALLATION \[FS5A-EL\]](#) .)

TFT sensor specification

ATF temperature (°C{°F})	Resistance (kilohm)
-20 {-4}	236—324
0 {32}	84.3—110
20 {68}	33.5—42.0
40 {104}	14.7—17.9
60 {140}	7.08—8.17
80 {176}	3.61—4.15
100 {212}	1.96—2.24
120 {248}	1.13—1.28
130 {266}	0.87—0.98

Off-Vehicle Inspection

1. Place the TFT sensor and a thermometer in ATF as shown, and heat the ATF gradually.

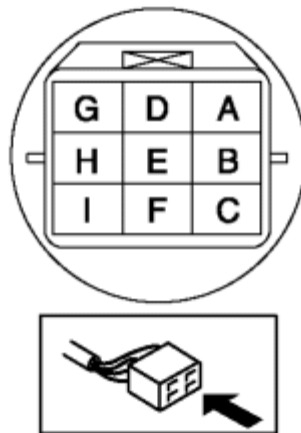


WARNING:

- A hot ATF and beaker can cause severe burns. Do not touch them.

2. Measure the resistance between the coupler component terminals E and H.

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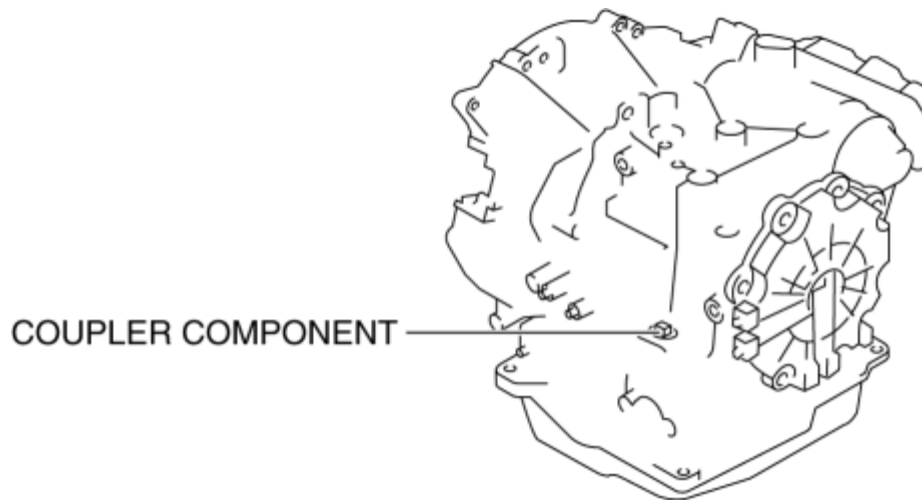
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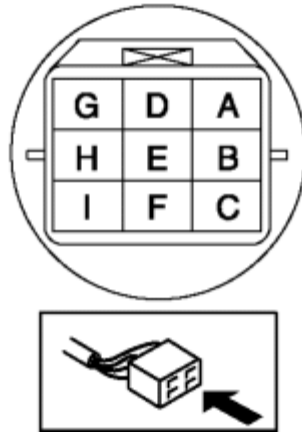
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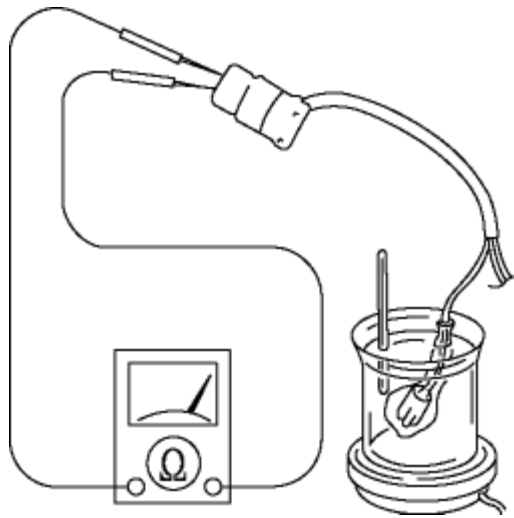
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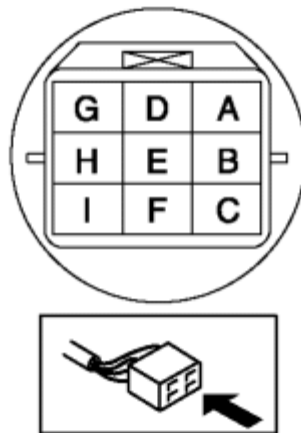


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