

2012 - Mazda6 - Transmission/ Transaxle

TRANSAXLE RANGE (TR) SWITCH INSPECTION [FS5A-EL]

CAUTION:

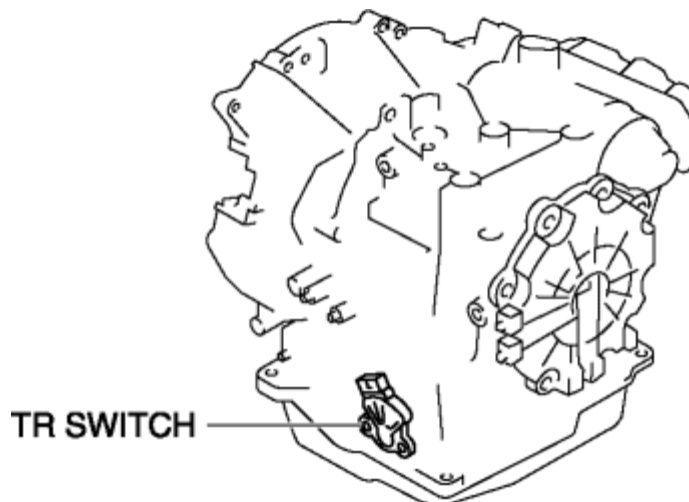
- Water or foreign objects entering the connector can cause a poor connection or corrosion. Be sure not to drop water or foreign objects on the connector when disconnecting it.

Operation Inspection

1. Verify that the starter operates only when the ignition is switched to START with the selector lever in P or N position.
2. Verify that the back-up lights illuminate when selected to R position with the ignition at ON.
3. Verify that the positions of the selector lever and the selector indicator light are aligned.
 - If there is any malfunction, adjust the TR switch. (See [TRANSAXLE RANGE \(TR\) SWITCH ADJUSTMENT \[FS5A-EL\]](#).)

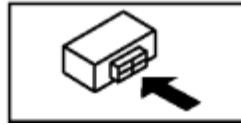
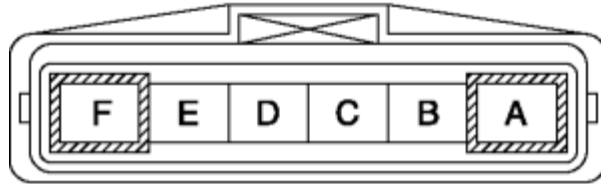
On-Vehicle Inspection

1. Engage the parking brake and use wheel chocks at the front and rear of the wheels.
2. Disconnect the TR switch 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 TR switch connector.



3. Inspect continuity as indicated in the table.

TR SWITCH



- If there is any malfunction, adjust the TR switch. (See [TRANSAXLE RANGE \(TR\) SWITCH ADJUSTMENT \[FS5A-EL\]](#).)
- If a malfunction occurs after performing adjustments, replace the TR switch. (See [TRANSAXLE RANGE \(TR\) SWITCH REMOVAL/ INSTALLATION \[FS5A-EL\]](#).)

TR switch specification

○—○ : Continuity

Position	Terminal				
	A	F	D	E	B—C
					Resistance (ohm)
P	○—○				4,085—4,515
R			○—○		1,425—1,575
N	○—○				713—787
D					371—409

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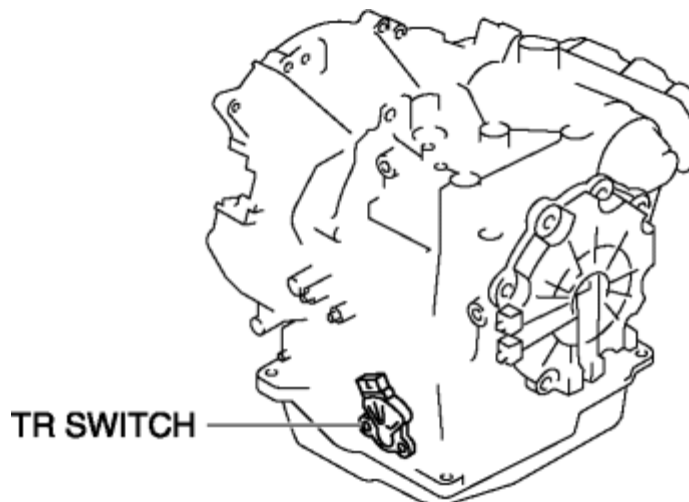
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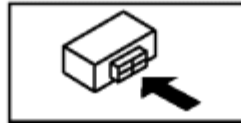
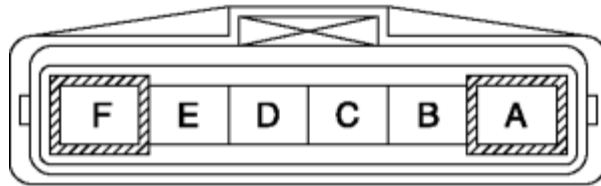
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