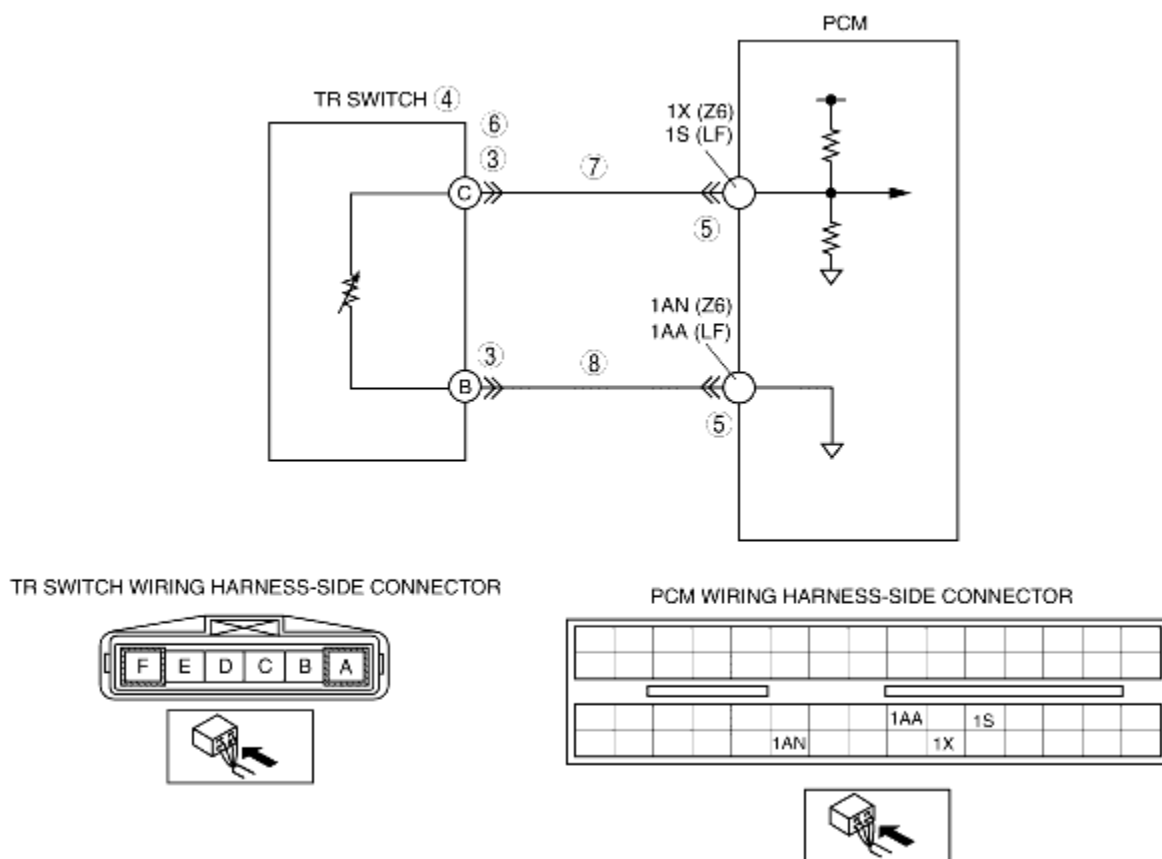


DTC P0708 [FN4A-EL]

B3E050219090W09

DTC P0708	Transaxle range (TR) switch circuit high input
DETECTION CONDITION	<ul style="list-style-type: none"> When all conditions below are satisfied and 100 s or more have passed. <ul style="list-style-type: none"> Vehicle speed 20 km/h {12 mph} or more Engine speed 530 rpm or more Voltage at PCM terminal 1X (Z6)/1S (LF) 4.79 V or more <p>Diagnostic support note:</p> <ul style="list-style-type: none"> This is a continuous monitor (CCM). The MIL illuminates if the PCM detects the above malfunction condition in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the PCM. A PENDING CODE is not available. FREEZE FRAME DATA is available. The AT warning light illuminates. The DTC is stored in the PCM memory.
POSSIBLE CAUSE	<ul style="list-style-type: none"> TR switch malfunction Open circuit in wiring harness between TR switch terminal C and PCM terminal 1X (Z6)/1S (LF) Short to power supply in wiring harness between TR switch terminal C and PCM terminal 1X (Z6)/1S (LF) Open circuit in wiring harness between TR switch terminal B and PCM terminal 1AN (Z6)/1AA (LF) Poor connection of TR switch or PCM connectors PCM malfunction



Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED • Has the FREEZE FRAME DATA been recorded?	Yes	Go to the next step.
		No	Record the FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY • Verify related Service Bulletins and/or on-line repair information availability. • Is any related repair information available?	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	INSPECT TR SWITCH CONNECTOR FOR POOR CONNECTION • Turn the ignition switch to the LOCK position. • Disconnect the TR switch connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Are TR switch terminals normal?	Yes	Go to the next step.
		No	Repair terminals or replace the TR switch, then go to Step 9. (See TRANSAXLE RANGE (TR) SWITCH REMOVAL/INSTALLATION.)
4	INSPECT TR SWITCH • Inspect for resistance between TR switch terminals B and C (part-side). • Is the resistance normal? (See TRANSAXLE RANGE (TR) SWITCH INSPECTION.)	Yes	Go to the next step.
		No	Replace the TR switch, then go to Step 9. (See TRANSAXLE RANGE (TR) SWITCH REMOVAL/INSTALLATION.)
5	INSPECT PCM CONNECTOR FOR POOR CONNECTION • Disconnect the PCM connector. • Inspect for poor connection at terminals 1X (Z6)/1S (LF) and 1AN (Z6)/1AA (LF) (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the terminal, then go to step 9.
		No	Go to the next step.
6	INSPECT TR SWITCH SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY • Turn the ignition switch to the ON position (engine off). • Inspect the voltage between TR switch terminal C and (wiring harness-side) body ground. • Is the voltage B+ ?	Yes	Repair or replace the wiring harness for short to power supply, then go to Step 9.
		No	Go to the next step.
7	INSPECT TR SWITCH SIGNAL CIRCUIT FOR OPEN CIRCUIT • Inspect for continuity between TR switch terminal C (wiring harness-side) and PCM terminal 1X (Z6)/1S (LF). • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for open circuit, then go to step 9.
8	INSPECT TR SWITCH GROUND CIRCUIT FOR OPEN CIRCUIT • Inspect for continuity between TR switch terminal B (wiring harness-side) and PCM terminal 1AN (Z6)/1AA (LF). • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for open circuit, then go to the next step.

9	VERIFY TROUBLESHOOTING OF DTC P0708 COMPLETED <ul style="list-style-type: none"> • Make sure to reconnect all the disconnected connectors. • Clear the DTC from the memory using the WDS or equivalent. • Drive the vehicle for 100 s or more under the following conditions: <ul style="list-style-type: none"> - Engine speed (RPM PID) 530 rpm or more - Vehicle speed (VSS PID) 20 km/h {12 mph} or more • Is the PENDING CODE present? 	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [ZJ, Z6].) (See PCM REMOVAL/INSTALLATION [LF].)
		No	No concern is detected. Go to the next step.
10	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform the "After Repair Procedure". (See AFTER REPAIR PROCEDURE [FN4A-EL].) • Are any DTCs present? 	Yes	Go to the applicable DTC inspection.
		No	DTC troubleshooting completed.