

DTC P0704 [LF]

B3E010201089W02

DTC P0704	CPP switch input circuit problem
DETECTION CONDITION	<ul style="list-style-type: none"> The PCM monitors changes in input voltage from the CPP switch. If the PCM does not detect PCM terminal 10 voltage changes while the vehicle runs and stops 8 times alternately, the PCM determines that the CPP switch circuit has malfunction. Diagnostic support note 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. PENDING CODE is available if the PCM detects the above malfunction condition during first drive cycle. FREEZE FRAME DATA is available. The DTC is stored in the PCM memory.
POSSIBLE CAUSE	<ul style="list-style-type: none"> CPP switch malfunction Poor connection of CPP switch connector or PCM connector Short to ground in wiring harness between CPP switch terminal A and PCM terminal 10 Open circuit in wiring harness between CPP switch terminal A and PCM terminal 10 Open circuit in wiring harness between ground and CPP switch terminal B PCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED • Has FREEZE FRAME DATA been recorded?	Yes Go to the next step.
		No Record the FREEZE FRAME DATA on repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY • Verify related service repair information	Yes Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next

	availability. • Is any related repair information available?		step.
		No	Go to the next step.
3	CLASSIFY HIGH INPUT OR LOW INPUT • Connect the WDS or equivalent to DLC-2. • Access CPP PID. • Verify CPP PID during clutch pedal operation. • Is CPP PID always OFF?	Yes	Go to the next step.
		No	Go to Step 10.
4	INSPECT CPP SWITCH CONNECTOR FOR POOR CONNECTION • Turn the ignition switch off. • Disconnect the CPP switch connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there malfunction?	Yes	Repair or replace the terminal, then go to Step 14.
		No	Go to the next step.
5	CLASSIFY CPP SWITCH OR CIRCUIT • Connect the WDS or equivalent to DLC-2. • Access CPP PID. • Connect a jumper wire between CPP switch terminal A and B. • Is CPP PID on?	Yes	Go to the next step.
		No	Go to Step 7.
6	INSPECT CPP SWITCH • Perform CPP switch inspection. (See CLUTCH PEDAL POSITION (CPP) SWITCH INSPECTION [LF] .) • Is CPP switch normal?	Yes	Go to Step 14.
		No	Replace CPP switch, then go to Step 14.
7	INSPECT CPP SWITCH GROUND CIRCUIT FOR OPEN CIRCUIT • Inspect for continuity between CPP switch terminal B and ground. • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the CPP switch power circuit for open circuit, then Go to Step 14.
8	INSPECT PCM CONNECTOR FOR POOR CONNECTION • Turn the ignition switch off. • Disconnect the PCM connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there malfunction?	Yes	Repair or replace the terminal, then go to Step 14.
		No	Go to the next step.
9	INSPECT CPP SWITCH SIGNAL CIRCUIT FOR OPEN CIRCUIT • Inspect for continuity between CPP switch terminal A and PCM terminal 10. • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace wiring harness for open circuit, then go to Step 14.
10	INSPECT CPP SWITCH CONNECTOR FOR POOR CONNECTION • Turn the ignition switch off. • Disconnect the CPP switch connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there malfunction?	Yes	Repair or replace the terminal, then go to Step 14.
		No	Go to the next step.
11	CLASSIFY CPP SWITCH OR CIRCUIT • Connect the WDS or equivalent to DLC-2. • Access CPP PID. • Verify that CPP PID changes from ON to OFF when CPP switch connector disconnected. • Does CPP PID change from ON to OFF?	Yes	Go to the next step.
		No	Go to Step 13.
12	INSPECT CPP SWITCH • Perform CPP switch inspection. (See CLUTCH PEDAL POSITION (CPP) SWITCH INSPECTION [LF] .) • Is CPP switch normal?	Yes	Go to Step 14.
		No	Replace CPP switch, then go to Step 14.

13	INSPECT CPP SWITCH SIGNAL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> Inspect for continuity between CPP switch terminal A and ground. Is there continuity? 	Yes	Repair or replace wiring harness for short to ground, then go to Step 14.
		No	Go to the next step.
14	VERIFY TROUBLESHOOTING OF DTC P0704 COMPLETED <ul style="list-style-type: none"> Make sure to reconnect all disconnected connectors. Start the engine. Clear the DTC from the PCM memory using the WDS or equivalent. Operate the clutch pedal while the vehicle runs and stops 8 times alternately. Is the PENDING CODE for this DTC present? 	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [LF] .)
		No	Go to the next step.
15	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> Perform the "After Repair Procedure". (See AFTER REPAIR PROCEDURE [LF].) Are any DTC present? 	Yes	Go to the applicable DTC troubleshooting. (See DTC TABLE [LF] .)
		No	Troubleshooting completed.