## DTC P0704:00 [SKYACTIV-D 2.2]

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DTC P0704:00	CPP switch input circuit problem							
DETECTION CONDITION								
FAIL-SAFE FUNCTION	Inhibits engine-stop by operating the i-stop function.							
POSSIBLE CAUSE	Caution Inspect the CPP switch with it installed to the clutch pedal, otherwise the CPP switch may not operate normally after inspection. If the CPP switch is removed from the clutch pedal, replace the CPP switch with a new one.  CPP switch connector or terminals malfunction							
777	S CPP SWITCH WIRING HARNESS-SIDE CONNECTOR  PCM  PCM  PCM  PCM  PCM  PCM  PCM  PC							

**Diagnostic Procedure** 

STEP	INSPECTION	ACTION	
SIEP			ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2)/	Yes	Go to the next step.
	SNAPSHOT DATA HAS BEEN RECORDED	No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data
	Has the FREEZE FRAME DATA (Mode 2)/		on the repair order, then go to the next step.
	snapshot data been recorded?		
2	VERIFY RELATED SERVICE INFORMATION	Yes	Perform repair or diagnosis according to the available
	AVAILABILITY		Service Information.
	Verify related Service Information availability.		If the vehicle is not repaired, go to the next step.
	Is any related Service Information available?	No	Go to the next step.

STEP	INSPECTION		ACTION
3	INSPECT CPP SWITCH CONNECTOR	Yes	Repair or replace the connector and/or terminals, then go to
	CONDITION		Step 11.
	Switch the ignition off.	No	Go to the next step.
	<ul> <li>Disconnect the CPP switch connector.</li> </ul>		
	<ul> <li>Inspect for poor connection (such as damaged/</li> </ul>		
	pulled-out pins, corrosion).		
	Is there any malfunction?		
4	VERIFY IF MALFUNCTION OCCURS DUE TO	Yes	Remove the foreign object, then go to the next step.
	FOREIGN OBJECT LODGED BETWEEN	No	Go to the next step.
	CLUTCH SWITCH PLUNGER AND CLUTCH		
	PEDAL CONTACT SURFACE		
	Visually verify the area between the clutch switch		
	plunger and clutch pedal contact surface.		
	Is there a lodged foreign object?		
5	INSPECT CPP SWITCH	Yes	Replace the CPP switch, then go to Step 11.
	• Inspect the CPP switch.		(See CLUTCH PEDAL POSITION SWITCH REMOVAL/
	(See CLUTCH PEDAL POSITION (CPP)		INSTALLATION [D66M-R, D66MX-R].)
	SWITCH INSPECTION [SKYACTIV-D 2.2].)	No	Go to the next step.
	• Is there any malfunction?	Vaa	Co to the next step
6	INSPECT CPP SWITCH GROUND CIRCUIT FOR	Yes	Go to the next step.
	OPEN CIRCUIT  Verify that the CDB quitch connector is	No	Repair or replace the wiring harness for a possible open
	<ul> <li>Verify that the CPP switch connector is disconnected.</li> </ul>		circuit, then go to Step 11.
	Inspect for continuity between CPP switch		
	terminal B (wiring harness-side) and body ground.		
	• Is there continuity?		
7	INSPECT CPP SWITCH SIGNAL CIRCUIT FOR	Yes	If the short to ground circuit could be detected in the wiring
.	SHORT TO GROUND	. 00	harness:
	<ul> <li>Verify that the CPP switch connector is</li> </ul>		Repair or replace the wiring harness for a possible short to
	disconnected.		ground.
	Inspect for continuity between CPP switch		If the short to ground circuit could not be detected in the
	terminal A (wiring harness-side) and body ground.		wiring harness:
	Is there continuity?		Replace the PCM (short to ground in the PCM internal
			circuit).
			(See PCM REMOVAL/INSTALLATION [SKYACTIV-D
			2.2].)
			Go to Step 11.
	INODEST DOM CONNECTOD CONDITION	No	Go to the next step.
8	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector.      Inspect for poor connection (such as damaged).	NI-	Step 11.
	<ul> <li>Inspect for poor connection (such as damaged/ pulled-out pins, corrosion).</li> </ul>	No	Go to the next step.
	Is there any malfunction?		
9	INSPECT CPP SWITCH SIGNAL CIRCUIT FOR	Yes	Go to the next step.
	OPEN CIRCUIT	No	Repair or replace the wiring harness for a possible open
	Verify that the CPP switch and PCM connectors		circuit, then go to Step 11.
	are disconnected.		55, 5
	Inspect for continuity between CPP switch		
	terminal A (wiring harness-side) and PCM		
	terminal 2AG (wiring harness-side).		
	• Is there continuity?		
10	VERIFY THAT THERE IS NO PROBLEM WITH	Yes	Explain to the customer that it is necessary to remove the
	CUSTOMER CLUTCH PEDAL OPERATION		foot from the clutch pedal completely after operating the shift
1 1	• Is the clutch pedal depressed after operating the		lever.
	1 1 5		
	shift lever during a traffic jam?		Go to the next step.  Go to the next step.

STEP	INSPECTION		ACTION
11	VERIFY DTC TROUBLESHOOTING COMPLETED  • Always reconnect all disconnected connectors.  • Clear the DTC from the PCM memory using the M-MDS.  (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • Perform the Pending Trouble Code Access Procedure.  (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)  • Is the PENDING CODE for this DTC present?	Yes	Repeat the inspection from Step 1.  • If the malfunction recurs, replace the PCM.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  Go to the next step.  Go to the next step.
12	• Perform the "AFTER REPAIR PROCEDURE".  (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • Are any DTCs present?	Yes No	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].) DTC troubleshooting completed.