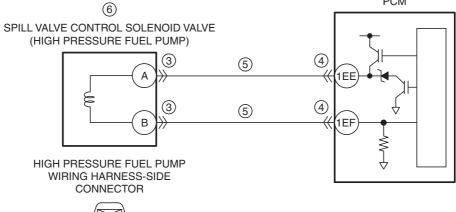
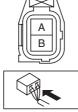
DTC P0092:00 [SKYACTIV-G 2.0]

id0102h1009200

DTC P0092:00	Fuel pressure regulator control circuit high input
DETECTION CONDITION	When the PCM turns the spill valve control solenoid valve on but the spill valve control solenoid valve circuit voltage is high for 5 s, the PCM determines that the spill valve control solenoid valve control circuit has a malfunction. MONITORING CONDITIONS The following conditions are met: Engine speed: 5,700 rpm or less Battery voltage: 10.5 V or more Diagnostic support note This is a continuous monitor (CCM). The check engine light illuminates if the PCM detects the above malfunction condition during the first drive cycle. FREEZE FRAME DATA (Mode 2)/Snapshot data is available. The DTC is stored in the PCM memory.
FAIL-SAFE	Stops the high pressure fuel pump control.
FUNCTION	Limits the intake air amount.
POSSIBLE CAUSE	 High pressure fuel pump connector or terminals malfunction PCM connector or terminals malfunction Short to power supply in wiring harness between the following terminals: High pressure fuel pump terminal A—PCM terminal 1EE High pressure fuel pump terminal B—PCM terminal 1EF Spill valve control solenoid valve (built-into high pressure fuel pump) malfunction PCM malfunction
	PCM





PCM WIRING HARNESS-SIDE CONNECTOR

	,																															
/		1EE	1EA	A I DW	-	1DO	1DK	1DG		1DA	1CW	1CS	1CO	1CK	1CG	1CC	1BY		\vdash		1BC	$\overline{}$	_	$\overline{}$	$\overline{}$	_	1Y	+ · ·	10	1.0	1E	1A
	l				IDT			1DH			1CX								-	-	1BD 1BE		$\overline{}$	-	_	_	+-	10 1V	-	-	1F 1G	-
	I —	+-	-	+	1DU 1DV		$\overline{}$	_	_	<u> </u>	1CY 1CZ			-	_	-	-	_	1BU 1BV		1BF 1BG	-	\rightarrow		_		_	31W 1X	+	+	1H 1I	1D

Diagnostic Procedure

STEP	INSPECTION		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)/	INO	on the repair order, then go to the next step.
	snapshot data been recorded?		on the repair order, then go to the next step.
2	VERIFY RELATED SERVICE INFORMATION	Yes	Perform repair or diagnosis according to the available
	AVAILABILITY	103	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.
3	INSPECT HIGH PRESSURE FUEL PUMP	Yes	Repair or replace the connector and/or terminals, then go to
3	CONNECTOR CONDITION	163	Step 7.
	Switch the ignition to off.	No	Go to the next step.
	Disconnect the high pressure fuel pump	110	Go to the next step.
	connector.		
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
	Is there any malfunction?		
4	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector.	100	Step 7.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).		as to all more otop.
	Is there any malfunction?		
5	INSPECT SPILL VALVE CONTROL SOLENOID	Yes	Go to the next step.
	VALVE CIRCUIT FOR SHORT TO POWER	No	Repair or replace the wiring harness for a possible short to
	SUPPLY		power supply, then go to Step 7.
	Verify that the high pressure fuel pump and PCM		power eappry, men go to etep //
	connectors are disconnected.		
	Switch the ignition ON (engine off or on).		
	Measure the voltage at the following terminals		
	(wiring harness-side):		
	High pressure fuel pump terminal A		
	 High pressure fuel pump terminal B 		
	• Is the voltage 0 V?		
6	INSPECT SPILL VALVE CONTROL SOLENOID	Yes	Replace the high pressure fuel pump, then go to the next
	VALVE		step.
	Switch the ignition to off.		(See HIGH PRESSURE FUEL PUMP REMOVAL/
	Reconnect all disconnected connectors.		INSTALLATION [SKYACTIV-G 2.0].)
	Inspect the spill valve control solenoid valve.	No	Go to the next step.
	(See HIGH PRESSURE FUEL PUMP		
	INSPECTION [SKYACTIV-G 2.0].)		
	• Is there any malfunction?	V	Deposit the inequalities from O
7	VERIFY DTC TROUBLESHOOTING	Yes	· · · · · · · · · · · · · · · · · · ·
	COMPLETED		• If the malfunction recurs, replace the PCM.
	Make sure to reconnect all disconnected		(See PCM REMOVAL/INSTALLATION [SKYACTIV-G
	connectors. • Clear the DTC from the PCM memory using the		2.0].) Go to the next step.
	M-MDS.	No	Go to the next step. Go to the next step.
	(See AFTER REPAIR PROCEDURE	INU	GO to the next step.
	[SKYACTIV-G 2.0].)		
	• Start the engine.		
	Perform the KOEO or KOER self test.		
	(See KOEO/KOER SELF TEST [SKYACTIV-G		
	2.0].)		
	• Is the same DTC present?		
8	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
	Perform the "AFTER REPAIR PROCEDURE".	. 55	(See DTC TABLE [SKYACTIV-G 2.0].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-G 2.0].)		2. C a dabicon do ang do inplotod.
	• Are any DTCs present?		
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