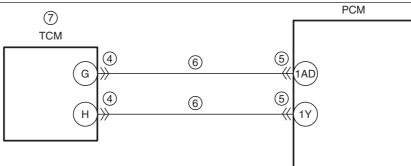
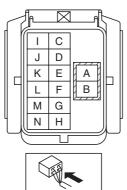
DTC U0302:00 [SKYACTIV-D 2.2]

id0102s4901000

DTC U0302:00	TCM processor error
DETECTION CONDITION	When any of the following conditions is met: CAN communication line malfunction between PCM and TCM TCM internal malfunction 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. DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	The fast idle up correction for the idle speed control is inhibited. Inhibits engine-stop by operating the i-stop function.
POSSIBLE CAUSE	TCM connector or terminals malfunction PCM connector or terminals malfunction CAN communication line malfunction between PCM and TCM (local CAN between PCM and TCM) TCM terminal G—PCM terminal 1AD TCM terminal H—PCM terminal 1Y TCM DTC is stored. PCM malfunction TCM malfunction



TCM WIRING HARNESS-SIDE CONNECTOR



PCM WIRING HARNESS-SIDE CONNECTOR

1EE 1EA IDW1DS1DO1DK1DG	1DA1CW1CS1CO1CK1CG1CC1BY	1BR 1BM 1BH 1BC 1AX 1AS 1AN 1AI	1AD 1Y 1T 1O 1J 1E 1A
1EF 1EB 1DX 1DT 1DP 1DL 1DH	1DB1CX1CT1CP1CL1CH1CD1BZ	1BS 1BN 1BI 1BD 1AY 1AT 1AO 1AJ	1AE 1Z 1U 1P 1K 1F 1B
		1BT 1BO 1BJ 1BE 1AZ 1AU 1AP 1AK	1AF 1AA 1V 1Q 1L 1G 1C
1EI 1EG 1EC 1DY 1DU 1DQ 1DM 1DI	DEIDCICYICUICQICMICIICEICAIBW	1BU 1BP 1BK 1BF 1BA 1AV 1AQ 1AL	1AG 1AB 1W 1R 1M 1H 1D
1EJ 1EH 1ED 1DZ 1DV 1DR 1DN 1DJ 1	DF 1DD 1CZ 1CV 1CR 1CN 1CJ 1CF 1CB 1BX	1BV 1BQ 1BL 1BG 1BB 1AW 1AR 1AM	1AH 1AC 1X 1S 1N 1I
		_	

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)/	140	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	VERIFY RELATED PENDING CODE AND/OR	Yes	Go to the next step. Go to the applicable PENDING CODE or DTC inspection.
3	DTC	168	(See DTC TABLE [SKYACTIV-D 2.2].)
	• Switch the ignition off, then ON (engine off).	No	Go to the next step.
	Perform the Pending Trouble Code Access	110	Outo the next step.
	Procedure and DTC Reading Procedure.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-D 2.2].)		
	Are any other PENDING CODEs and/or DTCs		
	present?		
4	INSPECT TCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Switch the ignition off.		Step 7.
	Disconnect the TCM connector.	No	Go to the next step.
	Inspect for poor connection (such as damaged/	''	or to the hortestep.
	pulled-out pins, corrosion).		
	Is there any malfunction?		
5	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector.		Step 7.
	 Inspect for poor connection (such as damaged/ 	No	Go to the next step.
	pulled-out pins, corrosion).		'
	Is there any malfunction?		
6	VERIFY TCM DTC	Yes	DTC U0074:00 or U0115:00 is displayed:
	 Perform the TCM DTC inspection using the M- 		CAN communication line can be considered the cause.
	MDS.		 Repair or replace the wiring harness between PCM
	(See ON-BOARD DIAGNOSTIC SYSTEM DTC		and TCM, then go to the next step.
	INSPECTION [GW6A-EL, GW6AX-EL].)		DTC other than U0074:00 and U0115:00 is displayed:
	Are any DTCs present?		Go to the applicable DTC inspection.
			(See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE
			[GW6A-EL, GW6AX-EL].)
		No	PCM can be considered the cause.
			Replace the PCM, then go to the next step.
			(See PCM REMOVAL/INSTALLATION [SKYACTIV-D
	VEDIEV DTO TROUBLESTING	V	2.2].)
7	VERIFY DTC TROUBLESHOOTING	Yes	Repeat the inspection from Step 1.
	COMPLETED		• If the malfunction recurs, replace the control valve body.
	Always reconnect all disconnected connectors. Clear the DTC from the DCM memory using the		(See CONTROL VALVE BODY REMOVAL/
	Clear the DTC from the PCM memory using the		INSTALLATION [GW6A-EL, GW6AX-EL].)
	M-MDS.	NI.	Go to the next step.
	(See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)	No	Go to the next step.
	Perform the DTC Reading Procedure.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-D 2.2].)		
	• Is the same DTC present?		
8	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
0	Perform the "AFTER REPAIR PROCEDURE".	168	(See DTC TABLE [SKYACTIV-D 2.2].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-D 2.2].)	INO	D FO troubleshooting completed.
	Are any DTCs present?		
1	The any Diesent!		