

Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	VERIFY PCM DTC	Yes	Go to the applicable DTC inspection.
	Retrieve PCM DTCs using the M-MDS.		(See DTC TABLE [SKYACTIV-D 2.2].)
	(See ON-BOARD DIAGNOSTIC TEST	No	ATX:
	[SKYACTIV-D 2.2].)		Go to the next step.
	Are any DTCs present?		MTX:
			Go to Step 3.
2	VERIFY TCM DTC	Yes	Go to the applicable DTC inspection.
	Retrieve TCM DTCs using the M-MDS.		(See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE
	(See ON-BOARD DIAGNOSTIC SYSTEM DTC		[GW6A-EL, GW6AX-EL].)
	INSPECTION [GW6A-EL, GW6AX-EL].)	No	Go to the next step.
	Are any DTCs present?		

STEP	INSPECTION	RESULTS	ACTION
3	INSPECT COMMUNICATION LINE BETWEEN	Yes	Inspect the instrument cluster.
	PCM AND INSTRUMENT CLUSTER		(See INSTRUMENT CLUSTER INSPECTION.)
	Inspect for a short or open circuit between the		If there is any malfunction:
	following terminals:		Repair or replace the malfunctioning part
	 Instrument cluster terminal B—Front body 		according to the inspection results, then go to the
	control module (FBCM) terminal 2K		next step.
	 Instrument cluster terminal D—Front body 		(See INSTRUMENT CLUSTER REMOVAL/
	control module (FBCM) terminal 2I		INSTALLATION.)
	 Front body control module (FBCM) terminal 	No	Repair or replace the wiring harness, then go to the next
	2P—PCM terminal 2AK		step.
	 Front body control module (FBCM) terminal 		
	2N—PCM terminal 2AL		
	Is the wiring harness normal?		
4	Verify the test results.		
	• If normal, return to the diagnostic index to service any additional symptoms.		
	(See SYMPTOM DIAGNOSTIC INDEX [SKYACTIV-D 2.2].)		
	• If a malfunction remains, inspect the related Service Information and perform the repair or diagnosis.		
	— If the vehicle is repaired, troubleshooting is completed.		
	 If the vehicle is not repaired or additional diagnostic information is not available, replace the PCM. 		
	(See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)		