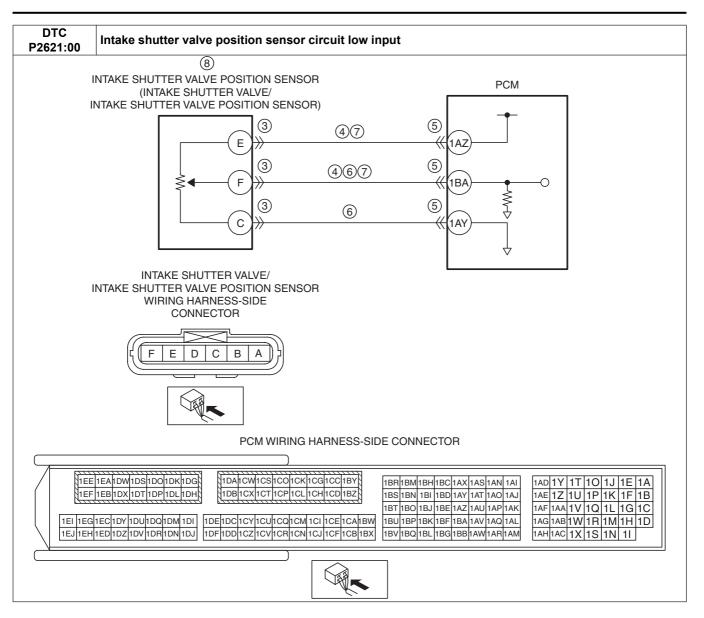
DTC P2621:00	Intake shutter valve position sensor circuit low input
	<ul> <li>If the input voltage at the PCM terminal 1BA is less than 0.2 V for 1 s, the PCM determines that the intake shutter valve position sensor circuit has a malfunction.</li> <li>MONITORING CONDITIONS</li> <li>Battery voltage: 8—20 V</li> </ul>
DETECTION	Diagnostic support note
CONDITION	• 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.
	PCM restricts engine torque.
FAIL-SAFE	• Inhibits the EGR control.
FUNCTION	Inhibits the diesel particulate filter regeneration control.
TONOTION	Inhibits engine-stop by operating the i-stop function.
	PCM restricts engine-transaxle integration control.
	• Intake shutter valve/intake shutter valve position sensor connector or terminals malfunction
	• Short to ground in wiring harness between the following terminals:
	Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ
	Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  BOM segments on the professional and for at least terminal and the professional and t
<b>POSSIBLE</b>	PCM connector or terminals malfunction
CAUSE	• Intake shutter valve position sensor signal circuit and ground circuit are shorted to each other
	Open circuit in wiring harness between the following terminals:     Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ
	Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA
	Intake shutter valve position sensor malfunction
	PCM malfunction



Diagno	Diagnostic Procedure					
STEP			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.			
3	INSPECT INTAKE SHUTTER VALVE/INTAKE	Yes	Repair or replace the connector and/or terminals, then go to			
	SHUTTER VALVE POSITION SENSOR		Step 9.			
	CONNECTOR CONDITION	No	Go to the next step.			
	Switch the ignition off.					
	Disconnect the intake shutter valve/intake shutter					
	valve position sensor connector.					
	Inspect for poor connection (such as damaged/					
	pulled-out pins, corrosion).					
	Is there any malfunction?					

Vesity that the inlake shutter valve position	STEP	INSPECTION		ACTION
*Verify that the intake shutter valve position sensor connector is disconnected.     *Inspect for continuity between the following terminals (writing harmess-side) and body ground.     *Intake shutter valve/intake shutter valve position sensor terminal E — Intake shutter valve/intake shutter valve position sensor terminal F — Intake shutter valve/intake shutter valve position sensor terminal F — Intake shutter valve/intake shutter valve position sensor terminal F — Intake shutter valve/intake shutter va	4	INSPECT INTAKE SHUTTER VALVE POSITION	Yes	If the short to ground circuit could be detected in the wiring
valve position sensor connector is disconnected. Inspect for continuity between the following terminals (witing harmess-side) and body ground: Intake shutter valve/intake shutter valve position sensor terminal E Intake shutter valve/intake shutter valve position sensor terminal F Intake shutter valve/intake shutter valve position sensor terminal F Intake shutter valve/intake shutter valve position sensor terminal F Intake shutter valve/intake shutter valve position of the pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction? INSPECT INTAKE SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER Valve/intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected. Inspect for continuity between intake shutter valve/intake		SENSOR CIRCUIT FOR SHORT TO GROUND		harness:
Inspect for continuity between the following terminals (writing harmess-side) and body ground:     Intake shutter valve/intake shutter valve position sensor terminal E		Verify that the intake shutter valve/intake shutter		Repair or replace the wiring harness for a possible short to
terminals (wiring harness-side) and body ground: — Intake shutter valewintake shutter valve position sensor terminal E — Intake shutter valve/intake shutter valve position sensor terminal F • Is there continuity?  5 INSPECT PCM CONNECTOR CONDITION • Disconnect the PCM connector. • Inspect for poor connection (such as damaged/ pulled-out pins, corrosion). • Is there any malfunction?  6 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER valve position sensor and PCM connectors are disconnected. • Inspect for confinuity between intake shutter valve position sensor and PCM connectors are disconnected. • Inspect Intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected. • Inspect Intake SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT FOR OPEN CIRCUIT • Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected. • Inspect Intake SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT • Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected. • Inspect for confinuity between the following terminals (writing harness-side): — Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1BA • Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR • Repair or replace the wiring harness for a possible open circuit, then go to Step 9.  Go to the next step.  West of the next step.  See intrake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA • Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR (INSPECTION) (SEYACTIV-D 2.2].) • Instead of the next step.  Verify that the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION) (SEYACTIV-D 2.2].) • Verify that the intake shutter valve position sensor terminal F—PCM terminal 1BA • Is there continuity?  Verify that the intake shutter valve position sensor. (See INTAKE SHUTTER VALV		valve position sensor connector is disconnected.		ground.
- Intake shutter valve/intake shutter valve position sensor terminal E - Intake shutter valve/intake shutter valve position sensor terminal F - Intake shutter valve/intake shutter valve position sensor terminal F - Intake shutter valve/intake shutter valve/position sensor and PCM connectors are disconnected.  - Inspect for poor connection (such as damaged/ pulled-out pins, corrosion), sis there any malfunction?  - Inspect for poor connection (such as damaged/ pulled-out pins, corrosion), sis there any malfunction?  - Inspect for short To EACH OTHER Valve POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER Valve position sensor and PCM connectors are disconnected Inspect for continuity between intake shutter valve position sensor terminals F and C (wiring harness-side): - Is there continuity?  - INSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT - Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected Inspect for continuity between the following terminals (wiring harness-side): - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shut				If the short to ground circuit could not be detected in the
position sensor terminal E Intake shutter valve/intake shutter valve position sensor terminal F Is there continuity?  No Go to the next step.  To to the n				
- Intake shutter valve/intake shutter valve position sensor terminal F  - Is there continuity?  5 INSPECT PCM CONNECTOR CONDITION - Disconnect the PCM connector Inspect for poor connection (such as damaged/ pulled-out pins, corrosion), - Is there any malfunction?  6 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR SIGNAL (IRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER valve position sensor and PCM connectors are disconnected Inspect for continuity between intake shutter valve/intake				
position sensor terminal F  Is there continuity?  No Go to Step 9  No Go to the next step.  Go to Step 9  No Go to the next step.  For intracting harmess for a possible open circuit, then go to Step 9.  Repair or replace the wiring harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circuit, then go to Step 9.  For intracting harmess for a possible open circui		•		
So to Step 9.   So to the next step.				
Suspect Pom Connector   Disconnect the PCM connector   Disconnect the PCM connector   Inspect for poor connection (such as damaged/ pulled-out pins, corrosion),   Is there any malfunction?   Repair or replace the connector and/or terminals, then go to Step 9.		•		
Second Compact to PCM CONNECTOR CONDITION   Disconnect the PCM connector   No		• is there continuity?	No	
Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Inspect in Top connection (such as damaged/pulled-out pins, corrosion).     Inspect in Take SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER.     Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.     Inspect for continuity between intake shutter valve/intake shutter	5	INSPECT PCM CONNECTOR CONDITION		·
Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  Repair or replace the wirring harness for a possible short to seach other, then go to Step 9.  Repair or replace the wirring harness for a possible short to each other, then go to Step 9.  Repair or replace the wirring harness for a possible short to each other, then go to Step 9.  Repair or replace the wirring harness for a possible short to each other, then go to Step 9.  Repair or replace the wirring harness for a possible short to each other, then go to Step 9.  Repair or replace the wirring harness for a possible short to each other, then go to Step 9.  Repair or replace the wirring harness for a possible short to each other, then go to Step 9.  Repair or replace the wirring harness for a possible open directly that the intake shutter valve/intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal final 1AZ  Intake shutter valve/intake shutter valve position sensor terminal final 1BA  Is there continuity?  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go to the next step.  Replace the intake shutter valve, then go			103	
pulled-out pins, corrosion).  - Is there any malfunction?  6 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER  - Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  - Inspect for continuity between intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  - Inspect for continuity between the following terminals (wiring harness-side):  - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  - Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1BA  - Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  - Reconnect all disconnected connectors Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) - Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) - Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)			Nο	·
Is there any malfunction?   INSPECT INTAKE SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER   Verify that the intake shutter valve position sensor and PCM connectors are disconnected.   Inspect for continuity between intake shutter valve/intake shutter valve position sensor terminals F and C (wining harness-side).   Inspect intake SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT   Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.   Inspect for continuity between the following terminals (wiring harness-side):   Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ			110	or to the next ctop.
INSPECT INTAKE SHUTTER VALVE POSITION SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER Valve position sensor and PCM connectors are disconnected. Inspect for continuity between intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.   Inspect for continuity between the following terminals (wiring harness-side):				
SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER   Verify that the intake shutter valve position sensor and PCM connectors are disconnected.   Inspect for continuity between intake shutter valve/intake shutter valve/position sensor terminals F and C (wiring harness-side).   Is there continuity?  7 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT   Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.   Inspect for continuity between the following terminals (wiring harness-side):   Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ   Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA   Is there continuity?  8	6	•	Yes	Repair or replace the wiring harness for a possible short to
Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.      Inspect for continuity between intake shutter valve/intake shutter valve/ position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors.  Inspect for continuity between the following terminals (wiring harness for a possible open circuit, then go to Step 9.  Repeate the intake shutter valve, then go to the next step.  Yes Replace the intake shutter valve, then go to the next step.  (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  INSTALLATION [SKYACTIV-D 2.2].)  Is there any malfunction?  Yes Repeat the inspection from Step 1.  If the malfunction recurs, replace the PCM.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  If the malfunction recurs, replace the PCM.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  In the position sensor terminal for the position sensor.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  In the position sensor terminal for the position sensor.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  In the position sensor terminal for the position sensor.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  In the position sensor terminal for the position sensor.  (See PCM REMOVAL/INSTALLATION [SKYAC		SENSOR SIGNAL CIRCUIT AND GROUND		
valve position sensor and PCM connectors are disconnected.  Inspect for continuity between intake shutter valve/intake shutter valve/position sensor terminals F and C (wirring harness-side).  Inspect intrake Shuttre valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side).  Intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side).  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  Intake shutter valve/intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors.  Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)  Is there any malfunction?  Verify that the intake shutter valve position sensor.  Clear INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)  INSTALLATION [SKYACTIV-D 2.2].)  Verify that the intake shutter valve position sensor.  Clear the DTC from the PCM memory using the M-MDS.  (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  Perform the KOEO or KOER self test.  (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)			No	Go to the next step.
disconnected.  Inspect for continuity between intake shutter valve/intake shutter valve position sensor terminals F and C (wiring harness-side).  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT  Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors.  Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)  Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
Inspect for continuity between intake shutter valve/intake shutter valve position sensor terminals F and C (wiring harness-side). Inspect intake SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected. Inspect for continuity between the following terminals (wiring harness-side): Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR Reconnect all disconnected connectors. Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) Is there any malfunction?  VERY FOR 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)		•		
valve/intake shutter valve position sensor terminals F and C (wiring harness-side).  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT  Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors.  Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)  Is there any malfunction?  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 KOEO or KOER self test.  See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
terminals F and C (wiring harness-side).  Is there continuity?  NSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT  Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  Negeonnect all disconnected connectors.  Inspect the intake shutter valve, then go to the next step.  (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)  Is there any malfunction?  PERIFY 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT  Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring hamess-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors. Inspect the intake shutter valve, then go to the next step.  (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].) Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
INSPECT INTAKE SHUTTER VALVE POSITION SENSOR CIRCUIT FOR OPEN CIRCUIT				
SENSOR CIRCUIT FOR OPEN CIRCUIT  Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors. Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Repair or replace the wiring harness for a possible open circuit, then go to Step 9.  Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  No Go to the next step.  Repair or replace the wiring harness for a possible open circuit, then go to Step 9.  Replace the intake shutter valve, then go to the next step.  (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  No Go to the next step.  No Go to the next step.  Go to the next step.	7		Vac	Go to the next sten
Verify that the intake shutter valve/intake shutter valve position sensor and PCM connectors are disconnected.     Inspect for continuity between the following terminals (wiring harness-side):	'			
valve position sensor and PCM connectors are disconnected.  Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors. Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)			110	
Inspect for continuity between the following terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR Reconnect all disconnected connectors. Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Intake shutter valve position and the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  No Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  INSTALLATION [SKYACTIV-D 2.2].)  Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Install A Instal				
terminals (wiring harness-side):  Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ  Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA Is there continuity?    INSPECT INTAKE SHUTTER VALVE POSITION SENSOR   Reconnect all disconnected connectors.   Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)   Is there any malfunction?    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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)   Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)		disconnected.		
- Intake shutter valve/intake shutter valve position sensor terminal E—PCM terminal 1AZ - Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA - Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR - Reconnect all disconnected connectors Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) - Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  1 Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
position sensor terminal E—PCM terminal 1AZ — Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA • Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR • Reconnect all disconnected connectors. • Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].) • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  **Total Complete Shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  **O to the next step.*  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Go to the next step.*  **June 1				
Intake shutter valve/intake shutter valve position sensor terminal F—PCM terminal 1BA  Is there continuity?  INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  Reconnect all disconnected connectors. Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
- Intake shutter valve/intake shutter valve position sensor terminal 1BA  • Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  • Reconnect all disconnected connectors. • Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  • Instake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  • Instake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  • Instake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  • Instake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  • Instake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  • Instake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  • If the malfunction recurs, replace the intake shutter valve, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)		·		
position sensor terminal F—PCM terminal 1BA • Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR • Reconnect all disconnected connectors. • Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].) • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  POSITION Yes Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Foo to the next step.  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.  No Go to the next step.		·· ·		
1BA • Is there continuity?  8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR • Reconnect all disconnected connectors. • Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
INSPECT INTAKE SHUTTER VALVE POSITION SENSOR     Reconnect all disconnected connectors.     Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)     Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  PROMOBINE Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  No Go to the next step.  Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Pressure Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  No Go to the next step.  No Go to the next step.  From the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
8 INSPECT INTAKE SHUTTER VALVE POSITION SENSOR  • Reconnect all disconnected connectors. • Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  **Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  **Replace the intake shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  **On to the next step.*  **No Go to the next step.*  **No Go to the next step.*  **On the next step.*  **On the next step.*  **No Go to the next step.*  **The provided Hermitian Shutter valve, then go to the next step. (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  **INSTALLATION [SKYACTIV-D 2.2].)  **On the next step.*  **On the next step.*  **On the next step.*  **The provided Hermitian Shutter valve, then go to the next step.*  **On the next step.*  **On the next step.*  **The provided Hermitian Shutter valve, then go to the next step.*  **On the				
SENSOR  • Reconnect all disconnected connectors. • Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].) • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  1 (See INTAKE SHUTTER VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  No Go to the next step.  (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  Go to the next step.  No Go to the next step.	8		Yes	Replace the intake shutter valve, then go to the next step.
<ul> <li>Reconnect all disconnected connectors.</li> <li>Inspect the intake shutter valve position sensor. (See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)</li> <li>Is there any malfunction?</li> <li>VERIFY DTC TROUBLESHOOTING COMPLETED</li> <li>Always reconnect all disconnected connectors.</li> <li>Clear the DTC from the PCM memory using the M-MDS.</li> <li>(See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)</li> <li>Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)</li> </ul> <ul> <li>INSTALLATION [SKYACTIV-D 2.2].)</li> <li>Go to the next step.</li> </ul> <ul> <li>Repeat the inspection from Step 1.</li> <li>If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)</li> <li>Go to the next step.</li> </ul> <ul> <li>No</li> </ul> <ul> <li>Go to the next step.</li> </ul> <ul> <li>Go to the next step.</li> </ul>				
(See INTAKE SHUTTER VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)		Reconnect all disconnected connectors.		,
SENSOR INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?  9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  Go to the next step.  No Go to the next step.			No	Go to the next step.
Is there any malfunction?  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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Proceedings:  Yes Repeat the inspection from Step 1.  Sepace the inspection from Step 1.  Sepac				
9 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 KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  **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.  **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.				
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 KOEO or KOER self test.     (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)      **If the malfunction recurs, replace the PCM.     (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)      Go to the next step.  **If the malfunction recurs, replace the PCM.     (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  Go to the next step.  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  **Total Company of the PCM (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)			V :	Depart the improvious for a Olympia
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 KOEO or KOER self test.     (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)      (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)      Go to the next step.      Go to the next step.	9		Yes	
Clear the DTC from the PCM memory using the M-MDS.  (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  2.2].)  2.2].)  Go to the next step.  So to the next step.				' ·
M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				,
(See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)		· · ·		
[SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)			Nο	·
Perform the KOEO or KOER self test.     (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
(See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)				
2.2].)				
• Is the same DTC present?				
is the same bit opicsent:		Is the same DTC present?		

STEP	INSPECTION		ACTION
10	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
	Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-D 2.2].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-D 2.2].)		
	Are any DTCs present?		