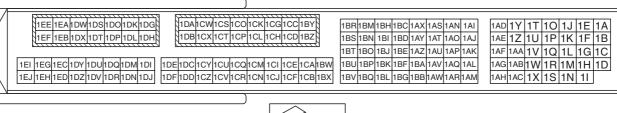
DTC P0048:00	Regulating solenoid valve control circuit high input			
DETECTION CONDITION	<ul> <li>If the PCM detects that the regulating solenoid valve current at the PCM terminal 1CP is 5.9 A or more for s with the following condition met, the PCM determines that the regulating solenoid valve circuit voltage is high.</li> <li>MONITORING CONDITIONS <ul> <li>Battery voltage: 7.2—16 V</li> </ul> </li> <li>Diagnostic support note</li> <li>This is a continuous monitor (CCM).</li> <li>The check engine light illuminates if the PCM detects the above malfunction condition during the first drive cycle.</li> <li>FREEZE FRAME DATA (Mode 2)/Snapshot data is available.</li> <li>DTC is stored in the PCM memory.</li> </ul>			
FAIL-SAFE FUNCTION	Inhibits engine-stop by operating the i-stop function.     PCM restricts engine-transaxle integration control.			
POSSIBLE CAUSE	<ul> <li>Regulating solenoid valve connector or terminals malfunction</li> <li>PCM connector or terminals malfunction</li> <li>Short to power supply in wiring harness between regulating solenoid valve terminal B and PCM terminal 1CP</li> <li>Regulating solenoid valve malfunction</li> <li>PCM malfunction</li> </ul>			
MAIN REL	DOM			
	REGULATING SOLENOID VALVE WIRING HARNESS-SIDE CONNECTOR			





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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)/		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.

INSPECT REGULATING SOLENOID VALVE CONNECTOR CONDITION	STEP	INSPECTION		ACTION
Switch the ignition off. Disconnect the regulating solenoid valve connector. Inspect for poor connection (such as damaged/ pulled-out pins, corrosion). Is there any malfunction?  INSPECT PCM CONNECTOR CONDITION Disconnect the PCM connector. Inspect for poor connection (such as damaged/ pulled-out pins, corrosion). Is there any malfunction?  INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY Verify that the regulating solenoid valve and PCM connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Inspect ne regulating solenoid valve. (See REGULATING SOLENOID VALVE INSPECT REGULATING SOLENOID VALVE INSPECT REGULATING SOLENOID VALVE INSPECT REGULATING SOLENOID VALVE INSPECT RIGHAND SOLENOID VALVE 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 (See NEGO/KOER SELF TEST [SKYACTIV-D 2.2].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE SKYACTIV-D 2.2].)  No DTC troubleshooting completed.	3	INSPECT REGULATING SOLENOID VALVE	Yes	Repair or replace the connector and/or terminals, then go to
Disconnect the regulating solenoid valve connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?  4 INSPECT PCM CONNECTOR CONDITION     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?  5 INSPECT REGULATING SOLENOID VALVE CONTROL GIRCUIT FOR SHORT TO POWER SUPPLY     Verify that the regulating solenoid valve and PCM connectors are disconnected.     Switch the ignition ON (engine off).     Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side).     Inspect REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].)     Is there any malfunction?  7 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 KOEQ or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)     Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See ATTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See ATTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See ATTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See ATTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See ATTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See ATTER REPAIR PROCEDURE"). (		CONNECTOR CONDITION		Step 7.
connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). INSPECT PCM CONNECTOR CONDITION Disconnect the PCM connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY Verify that the regulating solenoid valve and PCM connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Inspect Tere Gulating SOLENOID VALVE Inspect REGULATING SOLENOID VALVE Inspect Regulating Solenoid valve. (See REGULATING SOLENOID VALVE INSPECT REGULATING SOLENOID VALVE Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Is the voltage 0 V?  INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE Inspect the regulating solenoid valve. (See REGULATING SOLENOID VALVE INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE INSPECT TROUBLESHOOTING COMPLETED Always reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE (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].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE" (See DTC TABLE [SKYACTIV-D 2.2].)  No DTC troubleshooting completed.			No	Go to the next step.
Inspect for poor connection (such as damaged/ pulled-out pins, corrosion).     Is there any malfunction?  INSPECT PCM CONNECTOR CONDITION     Inspect for poor connection (such as damaged/ pulled-out pins, corrosion).     Inspect for poor connection (such as damaged/ pulled-out pins, corrosion).     Inspect REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY     Verify that the regulating solenoid valve and PCM connectors are disconnected.     Switch the ignition ON (engine off).     Is the voltage of 0?  INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Is there any malfunction?  VERIFY DTC TROUBLESHOOTING (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  Perform the FCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)  Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE (See MTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE) (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE) (		Disconnect the regulating solenoid valve		
pulled-out pins, corrosion).  • Is there any malfunction?  4 INSPECT PCM CONNECTOR CONDITION • Disconnect the PCM connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  5 INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY • Verify that the regulating solenoid valve and PCM connectors are disconnected. • Switch the ignition ON (engine off). • Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). • Is the voltage 0 V?  6 INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE (INSPECTION [SKYACTIV-D 2.2].) • Is there any malfunction?  7 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].) • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE (See MCEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE) • Perform the "AFTER REPAIR PROCEDURE". (See DTC TABLE [SKYACTIV-D 2.2].)				
Is there any malfunction?				
INSPECT PCM CONNECTOR CONDITION   Disconnect the PCM connector.   Inspect for poor connection (such as damaged/ pulled-out pins, corrosion).   Is there any malfunction?   Yes CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY   Verify that the regulating solenoid valve and PCM connectors are disconnected.   Switch the ignition ON (engine off).   Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side).   Is the voltage of V?   Inspect the regulating solenoid valve.   (See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].)   Is there any malfunction?   Yes Repair or replace the connector and/or terminals, then go to Step 7.   No Go to the next step.   Yes Replace the regulating solenoid valve terminal B (wiring harness-side).   Yes Inspect the regulating solenoid valve.   (See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].)   Is there any malfunction?   No Go 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].)   Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)   Is the same DTC present?   Yes Go to the next step.   Yes Go to the				
Disconnect the PCM connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  No linspect REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY Verify that the regulating solenoid valve and PCM connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Is the voltage 0 V?  INSPECT REGULATING SOLENOID VALVE Inspect the regulating solenoid valve. (See REGULATING SOLENOID VALVE 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].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE) (See DTC TABLE [SKYACTIV-D 2.2].)  No DTC troubleshooting completed.				
Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY Verify that the regulating solenoid valve and PCM connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Is the voltage 0 V?  INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE 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].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  No DTC troubleshooting completed.	4	INSPECT PCM CONNECTOR CONDITION	Yes	
pulled-out pins, corrosion) Is there any malfunction?  5 INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY - Verify that the regulating solenoid valve and PCM connectors are disconnected Switch the ignition ON (engine off) Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side) Is the voltage 0 V?  6 INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE (INSPECTION [SKYACTIV-D 2.2].) - Is there any malfunction?  7 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].) - Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE" Perform the "AFTER REPAIR PROCEDURE" (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE".) - Perform the "AFTER REPAIR PROCEDURE" (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE") Perform the "AFTER REPAIR PROCEDURE" (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE") Perform the "AFTER REPAIR PROCEDURE" (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE") Perform the "AFTER REPAIR PROCEDURE" (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE") Perform the "AFTER REPAIR PROCEDURE" (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE).) - DTC troubleshooting completed.				
INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY     Verify that the regulating solenoid valve and PCM connectors are disconnected.     Switch the ignition ON (engine off).     Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side).     Is the voltage 0 V?      INSPECT REGULATING SOLENOID VALVE 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].)     Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE"). (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE"). (See AFTER REPAIR PROCEDURE"). (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE"). (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE"). (See AFTER REPAIR PROCEDURE"). (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)			No	Go to the next step.
INSPECT REGULATING SOLENOID VALVE CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY		' ' ' '		
CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY  • Verify that the regulating solenoid valve and PCM connectors are disconnected.  • Switch the ignition ON (engine off).  • Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side).  • Is the voltage 0 V?  6 INSPECT REGULATING SOLENOID VALVE (See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?  7 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].)  • Is the same DTC present?  Verify that the regulating solenoid valve and PCM on the regulating solenoid valve, then go to the next step.  Yes Replace the regulating solenoid valve, then go to the next step.  (See REGULATING SOLENOID VALVE INSTALLATION [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.  Verify that the regulating solenoid valve and PCM  rather valve terminal B (wirring harness for a possible short to power supply, then go to Step 7.  **Verify that the regulating solenoid valve and PCM  rather valve terminal B (wirring harness-side).  **Ves Replace the regulating solenoid valve, then go to the next step.  (See REGULATING SOLENOID VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].)  Go to the next step.  **Ves Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)  No DTC troubleshooting completed.				
SUPPLY  Verify that the regulating solenoid valve and PCM connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Is the voltage 0 V?  INSPECT REGULATING SOLENOID VALVE 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].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE (SKYACTIV-D 2.2].) So to the next step.  Yes Go to the next step.  No Go to the next step.  Yes Go to the next step.  No Go to the next step.  Yes Go to the next step.  No Go to the next step.  Yes Go to the next step.  No Go to the next step.  No DTC troubleshooting completed.	5		Yes	
Verify that the regulating solenoid valve and PCM connectors are disconnected.     Switch the ignition ON (engine off).     Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side).     Is the voltage 0 V?      INSPECT REGULATING SOLENOID VALVE     Inspect the regulating solenoid valve.     (See REGULATING SOLENOID VALVE 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].)     Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE     (See KOEO/ROEDURE SKYACTIV-D 2.2].)     Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE     (See AFTER REPAIR PROCEDURE SKYACTIV-D 2.2].)     Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE     (See AFTER REPAIR PROCEDURE SKYACTIV-D 2.2].)  No DTC troubleshooting completed.			No	
connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Is the voltage 0 V?  INSPECT REGULATING SOLENOID VALVE Inspect the regulating solenoid valve. (See REGULATING SOLENOID VALVE 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].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) Is the same DTC present?  Ves Replace the regulating solenoid valve, then go to the next step. (See REGULATING SOLENOID VALVE REMOVAL/ INSTALLATION [SKYACTIV-D 2.2].) No Go to the next step.  Ves Repeat the inspection from Step 1. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.  Vo Go to the next step.  Ver Go to the next step.  Ves Go to the next step.  Ves Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].) No DTC troubleshooting completed.				power supply, then go to Step 7.
Switch the ignition ON (engine off). Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side). Inspect the regulating Solenoid valve. See REGULATING SOLENOID VALVE Inspect the regulating solenoid valve. See REGULATING SOLENOID VALVE 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].) Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE SKYACTIV-D 2.2].)  Perform the "AFTER REPAIR PROCEDURE". See AFTER REPAIR PROCEDURE SKYACTIV-D 2.2].)  Perform the "AFTER REPAIR PROCEDURE". See AFTER REPAIR PROCEDURE SKYACTIV-D 2.2].)  DTC troubleshooting completed.		, ,		
Measure the voltage at the regulating solenoid valve terminal B (wiring harness-side).     Is the voltage 0 V?      INSPECT REGULATING SOLENOID VALVE     Inspect the regulating solenoid valve.     (See REGULATING SOLENOID VALVE 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].)     Is the same DTC present?      VERIFY AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)     See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE".     (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE").     (See AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE").     (See AFTER REPAIR PROCEDURE)     (See DTC TABLE [SKYACTIV-D 2.2].)      DTC troubleshooting completed.				
valve terminal B (wiring harness-side). • Is the voltage 0 V?  6 INSPECT REGULATING SOLENOID VALVE • Inspect the regulating solenoid valve. (See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].) • Is there any malfunction?  7 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].) • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • DTC troubleshooting completed.				
INSPECT REGULATING SOLENOID VALVE     INSPECT REGULATING SOLENOID VALVE     Inspect the regulating solenoid valve.     (See REGULATING SOLENOID VALVE 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].)     Is the same DTC present?      VERIFY AFTER REPAIR PROCEDURE     SEA AFTER REPAIR PROCEDURE     (See DTC TABLE [SKYACTIV-D 2.2].)      No DTC troubleshooting completed.				
INSPECT REGULATING SOLENOID VALVE   Inspect the regulating solenoid valve. (See REGULATING SOLENOID VALVE   INSPECTION [SKYACTIV-D 2.2].)   Is the reany malfunction?				
Inspect the regulating solenoid valve.     (See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].)     Is there any malfunction?      VERIFY DTC TROUBLESHOOTING     COMPLETED			\/	Dealers the association released when the second the second
(See REGULATING SOLENOID VALVE INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?  7 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].)  • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE (See AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See DTC TABLE [SKYACTIV-D 2.2].)  (See AFTER REPAIR PROCEDURE (See DTC TABLE [SKYACTIV-D 2.2].)  No Go 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.  Yes Go to the applicable DTC inspection.  (See DTC TABLE [SKYACTIV-D 2.2].)  No DTC troubleshooting completed.	6		res	
INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?  7 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].)  • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)  • DTC troubleshooting completed.				
<ul> <li>Is there any malfunction?</li> <li>VERIFY DTC TROUBLESHOOTING COMPLETED  <ul> <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.</li> <li>(See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)</li> <li>Is the same DTC present?</li> </ul> </li> <li>Verify AFTER REPAIR PROCEDURE  <ul> <li>Perform the "AFTER REPAIR PROCEDURE".</li> <li>(See AFTER REPAIR PROCEDURE)</li> <li>Perform the "AFTER REPAIR PROCEDURE".</li> <li>(See AFTER REPAIR PROCEDURE)</li> <li>Perform the "AFTER REPAIR PROCEDURE".</li> <li>(See AFTER REPAIR PROCEDURE)</li> <li>Pot toubleshooting completed.</li> </ul> </li> </ul>				
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2.2].)  • Is the same DTC present?  8 VERIFY AFTER REPAIR PROCEDURE  • Perform the "AFTER REPAIR PROCEDURE".  (See AFTER REPAIR PROCEDURE  [SKYACTIV-D 2.2].)  No DTC troubleshooting completed.				
Is the same DTC present?      VERIFY AFTER REPAIR PROCEDURE     Perform the "AFTER REPAIR PROCEDURE".     (See AFTER REPAIR PROCEDURE     [SKYACTIV-D 2.2].)      DTC troubleshooting completed.				
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[SKYACTIV-D 2.2].)		(See AFTER REPAIR PROCEDURE	No	•
• Are any DTCs present?		Are any DTCs present?		