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**1998 MAZDA RX-7 (FD) OEM Service and Repair** Workshop Manual

Go to manual page

## DTC P1260:00 [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))]

SM2897016

### id0102t385680

DTC P1260:00	Immobilizer system problem
DETECTION CONDITION	<ul> <li>The start stop unit detects an immobilizer system malfunction.</li> <li>Diagnostic support note</li> <li>This is a continuous monitor (other).</li> <li>The check engine light does not illuminate.</li> <li>FREEZE FRAME DATA is not available.</li> <li>Snapshot data is available.</li> <li>DTC is not stored in the PCM memory.</li> </ul>
FAIL-SAFE FUNCTION	Not applicable
POSSIBLE CAUSE	Immobilizer system malfunction
SYSTEM WIRING DIAGRAM	Not applicable

### **Diagnostic Procedure**

STEP	INSPECTION	RESULTS	ACTION
VERIFY RELATED REPAIR INFORMATION AVAILABILITY1• Verify related Service Bulletins and/or on-line repair information availability.		Yes	<ul> <li>Perform repair or diagnosis according to the available repair information.</li> <li>If the vehicle is not repaired, go to the next step.</li> </ul>
	Is any related repair information available?	No	Go to the next step.
2 VERIFY IMMOBILIZER SYSTEM DTC • Verify the immobilizer system DTC. (See DTC INSPECTION [START STOP UNIT].)		Yes	Go to the applicable DTC inspection. (See DTC TABLE [START STOP UNIT].)
	• Are any DTCs present?	No	DTC troubleshooting completed.

	P0442:00			
DESCRIPTION	• Evaporative gas leakage (leakage amount: low) P0455:00			
	• Evaporative gas leakage (leakage amount: large) P0456:00			
	• Evaporative gas leakage (I	eakage amount: extremely low)		
DETECTION CONDITION		P0442:00		
	Determination conditions	<ul> <li>Hole of 0.04 in (1.0 mm) or more in evaporative gas passage</li> <li>P0455:00</li> <li>Hole of 0.09 in (2.25 mm) or more in evaporative gas passage</li> </ul>		
		P0456:00 • Hole of 0.02 in (0.5 mm) or more in evaporative gas passage		
	Preconditions	<ul> <li>Hole of 0.02 in (0.5 mm) or more in evaporative gas passage</li> <li>PO442:00 and PO455:00 <ul> <li>Evaporative gas flow amount: Exceeds 10,000 cm<sup>3</sup>/min or fuel tank vacuum is high</li> <li>Fuel tank pressure: -4,340,2-4,030.1 Pa (-442.57-410.95 kgf/m<sup>2</sup>, -0.62949-0.58452 psi)<sup>+1</sup></li> <li>HAT sensor No. 1: 4.44-4.33 s<sup>o</sup> C (40.0-109.9 °F)<sup>+1</sup></li> <li>Vehicle speed: 64-145 km/h (40.0-90.0 mph)<sup>+1</sup></li> <li>Barometric pressure: 72.23 kPa (0.7365 kgf/cm<sup>2</sup>, 10.48 psi) or more</li> <li>Period ignition is switched off before engine starts: 210 min or more</li> <li>Fuel level in fuel tank: 15-85 %<sup>+1</sup></li> <li>Minimum value of intake manifold vacuum: 4 kPa (0.04 kgf/cm<sup>2</sup>, 0.6 psi) or more</li> <li>Minimum value of intake air amount: more than 2 g/sec</li> <li>Battery voltage: more than 11 V<sup>-1</sup></li> <li>The following DTCs are not detected:</li> <li>ECT sensor No.1: P0117:00 and P0118:00</li> <li>TP sensor No.2: P0222:00 and P0223:00</li> <li>Purge solenoid valve: P0443:00</li> <li>GV solenoid valve: P0446:00</li> <li>MAF sensor: P0100:00</li> <li>Fuel tank pressure sensor: P0451:00, P0452:00, and P0453:00</li> <li>MAP sensor: P2226:00, P228:00, and P229:00</li> <li>VSS signal: P0500:00</li> <li>Fuel gauge sender unit: P0460:00, P0461:00, P0462:00, and P0463:00</li> </ul> P0456:00 <ul> <li>Fuel gauge sender unit: 15-95 %<sup>+1</sup></li> <li>Period ignition is switched off before engine starts: 210 min or more</li> <li>Barometric pressure: 72.23 kPa (0.7365 kgf/cm<sup>2</sup>, 10.48 psi) or more</li> <li>The following DTCs are not detected:</li> <li>Fuel level in fuel tank: 15-85 %<sup>+1</sup></li> <li>Period ignition is switched off before engine starts: 210 min or more</li> <li>Barometric pressure: 72.23 kPa (0.7365 kgf/cm<sup>2</sup>, 10.48 psi) or more</li> <li>Parometric pressure: 72.23 kPa (0.7365 kgf/cm<sup>2</sup>, 10.48 psi) or more</li> <li>The following DTCs are not detected:</li> <li>Fuel tank pressure sensor: P0451:00, P0452:00, and P0453:00</li> <li>Purge solenoid valve: P0443:00</li> <li>CV solenoid valve: P0443:00</li> <li>F</li></ul></li></ul>		

#### P0442:00, P0455:00

- 1. Set the remaining fuel quantity in the fuel tank between 30–85 %.
- 2. Start the engine and switch the ignition off after 5 s have elapsed.
- 3. Leave the vehicle for 6 h or more.
- 4. Start the engine and leave it idling for 2 min.

5. Drive the vehicle for 30 min at a speed of 68 km/h {42 mph} or more (to increase temperature in fuel tank and generate evaporative gas).

### Note

• If driving the vehicle for 30 min at a speed of 68 km/h {42 mph} or more is not feasible, the vehicle can be driven for a continuous 15 min or more with the engine coolant temperature at 80 °C {176 °F} or more.

### P0456:00

- 1. Set the remaining fuel quantity in the fuel tank between 30–85 %.
- 2. Verify that OBD-II information (such as FREEZE FRAME DATA) has been obtained and recorded.
- 3. Clear the DTC from the PCM memory using the M-MDS. (See CLEARING DTC [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))].)
- 4. Start the engine and switch the ignition off after 5 s have elapsed.
- 5. Leave the vehicle for 6 h or more.
- 6. Start the engine and leave it idling for 2 min.

7. Drive the vehicle for 30 min at a speed of 50 km/h {31 mph} or more (to increase temperature in fuel tank and generate evaporative gas).

### Note

• If driving the vehicle for 30 min at a speed of 50 km/h (31 mph) or more is not feasible, the vehicle can be driven for a continuous 15 min or more with the engine coolant temperature at 80 °C (176 °F) or more.

- 8. Stop the engine.
- 9. Leave the vehicle for 1 h or more.

### PID Item/Simulation Item Used In Diagnosis

### PID/DATA monitor item table

Item	Definition	Unit	Condition/Specification
BARO	Actually measured barometric pressure input from barometric pressure sensor built into PCM	KPa {MPA}, mBar {BAR}, psi, in H20	• Displays BARO
EVAPCP	Purge solenoid valve control duty value	%	<ul> <li>Idle (after warm up): 0% (Engine coolant temperature 59 °C {140 °F} or less)</li> <li>Racing (Engine speed 2,000 rpm): 4.7%</li> <li>Racing (Engine speed 4,000 rpm): 35.35%</li> </ul>
EVAPCV	CV solenoid valve operation status	Off/On	<ul> <li>CV solenoid valve is open: Off</li> <li>CV solenoid valve is close: On</li> </ul>
FCL	Check fuel cap warning light illumination status	Off/On	<ul> <li>Check fuel cap warning light not illuminated:</li> <li>Off</li> <li>Check fuel cap warning light illuminated: On</li> </ul>

STEP	INSPECTION	RESULTS	ACTION
	PURPOSE: DETERMINE IF MALFUNCTION CAUSED BY CONTROL PART (CV SOLENOID VALVE) REQUIRED FOR DIAGNOSIS • Start the engine and idle it. • Access the EVAPCV PID using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)]].) • Is the EVAPCV PID value normal? (See PCM INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)	Yes	Go to the next step.
8		No	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 10.
9	PURPOSE: DETERMINE IF MALFUNCTION CAUSED BY CONTROL PART (FUEL TANK PRESSURE SENSOR) REQUIRED FOR DIAGNOSIS • Start the engine and idle it. • Access the FTP PID using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))].) • Is the FTP PID value normal? (See PCM INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)	Yes	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 1.
9		No	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 11.
10	PURPOSE: INSPECTION OF EVAPORATIVE GAS LEAKAGE • Test the EVAP system for leakage using the dual purpose diagnostic leak detector. (See ENGINE CONTROL SYSTEM OPERATION INSPECTION [SKYACTIV-G 2.5 (WITHOUT	Yes	Repair or replace the malfunctioning part. Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 12.
	CYLINDER DEACTIVATION)].) • Is evaporative gas leakage detected?	No	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 1.

### Troubleshooting Diagnostic Procedure

### Intention of troubleshooting procedure

- Step 1-2
  - Inspect for evaporative gas leakage from the fuel-filler opening.
- Step 3-5
  - Inspect for evaporative gas leakage from the fuel tank side.
- Step 6–8
  - Inspect for evaporative gas leakage from the charcoal canister side.
- Step 9–11
  - Inspect control parts for normal operation.
- Step 12-13

— Verify that the primary malfunction is resolved and there are no other malfunctions.

STEP	INSPECTION	RESULTS	ACTION
1 PURPOSE: INSPECTION OF EVAPORATIVE GAS LEAKAGE FROM FUEL-FILLER CAP • Verify that the fuel-filler cap is completely closed. • Is the fuel-filler cap completely closed?		Yes	Go to the next step.
	No	Close the fuel-filler cap completely, then go to Step 12.	

## DTC P0301:00, P0302:00, P0303:00, P0304:00 [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))]

SM2896957

id0102t370330

### Note

• To determine the malfunctioning part, proceed with the diagnostics from "Function Inspection Using M-MDS".

### **Details On DTCs**

DESCRIPTION	P0301:00: Cylinder No.1 r P0302:00: Cylinder No.2 r P0303:00: Cylinder No.3 r P0304:00: Cylinder No.4 r	misfire detected
	Determination conditions	<ul> <li>Any one of the following conditions is met: <ul> <li>The misfire rate of specific cylinders for every 200 rotations of the crankshaft exceeds the specified value (misfire which may damage catalytic converter).</li> <li>The misfire rate of specific cylinders for every 1,000 rotations of the crankshaft exceeds the specified value (misfire going against emission regulations).</li> </ul> </li> </ul>
DETECTION CONDITION	Preconditions	<ul> <li>Battery voltage: 9–18 V *1</li> <li>Engine speed: 500–4,500 rpm *1 (Mexico spec.)</li> <li>Engine speed: 500–7,500 rpm *1 (except Mexico spec.)</li> <li>Engine coolant temperature: -10 °C (14 °F) or more or 21 °C (70 °F) or more *1 (standard differs depending on engine coolant temperature at engine start)</li> <li>Not cranking (except Mexico spec.)</li> <li>Not stalling (except Mexico spec.)</li> <li>Fuel-cut control not implemented</li> <li>Crankshaft installation tolerance learning completed</li> <li>Engine condition is stabilized (not directly after gear change)</li> <li>*1: Standard can be verified by displaying PIDs using M-MDS</li> </ul>
	Malfunction determination period	<ul> <li>200 rotations of crankshaft (misfire which may damage catalytic converter)</li> <li>1,000 rotations of crankshaft (misfire going against emission regulations)</li> </ul>
	Drive cycle	• 2
	Self test type	CMDTC self test
	Sensor used	• CKP sensor • MAF sensor • MAP sensor
FAIL-SAFE FUNCTION	<ul> <li>Limits intake air amoun</li> <li>Implement fuel-cut cont misfiring the most).</li> </ul>	nt trol (if the catalytic converter may be damaged, perform fuel-cut on cylinder

Item	Definition	Unit	Condition/Specification
	Engine coolant temperature input from ECT sensor	°C, °F	• Displays ECT
ECT	ECT sensor voltage	V	• ECT is 20 °C {68 °F}: Approx. 3.10 V • ECT is 40 °C {104 °F}: Approx. 2.16 V • ECT is 60 °C {140 °F}: Approx. 1.40 V • ECT is 80 °C {176 °F}: Approx. 0.87 V • ECT is 100 °C {212 °F}: Approx. 0.54 V
	Intake air temperature input from IAT sensor No.1 via SENT communication	°C, °F	• Displays IAT (No.1)
IAT	IAT sensor No.1 voltage	V	• IAT is 20 °C {68 °F}: Approx. 0.16 V • IAT is 40 °C {104 °F}: Approx. 0.26 V • IAT is 60 °C {140 °F}: Approx. 0.36 V
	Mass air flow input from MAF sensor	g/Sec	• Displays MAF
MAF	MAF sensor voltage	V	<ul> <li>Ignition switched ON (engine off) (MAF: 0.00 g/s {0 lb/min}): Approx. 1.69 V (ECT is 53 °C {127 °F})</li> <li>Idle (after warm up) (MAF: 2.50 g/s {0.331 lb/min}): Approx. 1.89 V (ECT is 93 °C {199 °F})</li> <li>Racing (engine speed is 2,000 rpm) (MAF: 3.80 g/s {0.503 lb/min}): Approx. 2.02 V (ECT is 95 °C {203 °F})</li> </ul>
МАР	Manifold absolute pressure input from MAP sensor	KPa {MPA}, mBar {BAR}, psi, in H20	• Displays MAP
MAP_V	MAP sensor voltage	V	<ul> <li>Ignition switched ON (engine off) (MAP:100 kPa {1.02 kgf/cm<sup>2</sup>, 14.5 psi}): Approx. 4.04 V</li> <li>Idle (after warm up) (MAP: 35 kPa {0.36 kgf/cm<sup>2</sup>, 5.1 psi}): Approx. 1.40 V</li> <li>Racing (engine speed is 2,000 rpm) (MAP: 26 kPa {0.27 kgf/cm<sup>2</sup>, 3.8 psi}): Approx. 1.01 V</li> </ul>
MF_CAT1	Number of misfires in No.1 cylinder leading to catalytic converter temperature increase (catalytic converter temperature increases due to fuel combustion around catalytic converter after misfire)	-	• Displays number of misfires corresponding to possible catalytic converter damage (No.1 cylinder)
MF_CAT_2	Number of misfires in No.2 cylinder leading to catalytic converter temperature increase (catalytic converter temperature increases due to fuel combustion around catalytic converter after misfire)	-	• Displays number of misfires corresponding to possible catalytic converter damage (No.2 cylinder)
MF_CAT_3	Number of misfires in No.3 cylinder leading to catalytic converter temperature increase (catalytic converter temperature increases due to fuel combustion around catalytic converter after misfire)	_	• Displays number of misfires corresponding to possible catalytic converter damage (No.3 cylinder)
MF_CAT_4	Number of misfires in No.4 cylinder leading to catalytic converter temperature increase (catalytic converter temperature increases due to fuel combustion around catalytic converter after misfire)	_	• Displays number of misfires corresponding to possible catalytic converter damage (No.4 cylinder)
MF_EMI1	Number of misfires in No.1 cylinder under conditions required by emission regulations	_	• Displays number of misfires possibly affecting emission (No.1 cylinder)

STEP	INSPECTION	RESULTS	ACTION
7	<ul> <li>PURPOSE: VERIFY IF MISFIRE CAUSE IS BAD SPARK PLUGS</li> <li>Switch the spark plugs on a cylinder that is misfiring and a cylinder that is not misfiring. (See SPARK PLUG REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)</li> <li>Start the engine.</li> <li>Verify all accessory loads (A/C, headlights, blower fan, rear window defogger) are off.</li> <li>Under no-load conditions (P or N position), increase the engine speed to 3,000 rpm.</li> <li>Display the misfire rate and record the number of misfires.</li> <li>Access the following PIDs using the M-MDS (See ON-BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].) (See PCM INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)</li> <li>MF_CAT1 <ul> <li>MF_CAT1</li> <li>MF_CAT_2</li> <li>MF_CAT_3</li> </ul> </li> </ul>	Yes	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 1.
	<ul> <li>MF_CAT_4</li> <li>MF_EMI1</li> <li>MF_EMI_2</li> <li>MF_EMI_3</li> <li>MF_EMI_4</li> <li>Is there a change from the recorded number of misfires?</li> </ul>	No	Go to the next step.
	<ul> <li>PURPOSE: VERIFY IF MISFIRE CAUSE IS BAD IGNITION COIL</li> <li>Switch the ignition coils on a cylinder that is misfiring and a cylinder that is not misfiring. (See IGNITION COIL/ION SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)</li> <li>Start the engine.</li> <li>Verify all accessory loads (A/C, headlights, blower fan, rear window defogger) are off.</li> <li>Under no-load conditions (P or N position), increase the engine speed to 3,000 rpm.</li> <li>Display the misfire rate and record the number of misfires.</li> </ul>	Yes	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 2.
8	BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))].) (See PCM INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER		
	• MF_CAT1 • MF_CAT_2 • MF_CAT_3 • MF_CAT_4 • MF_EMI1 • MF_EMI_2 • MF_EMI_3 • MF_EMI_4	No	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 3.
8	cylinder that is not misfiring. (See IGNITION COIL/ION SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].) • Start the engine. • Verify all accessory loads (A/C, headlights, blower fan, rear window defogger) are off. • Under no-load conditions (P or N position), increase the engine speed to 3,000 rpm. • Display the misfire rate and record the number of misfires. — Access the following PIDs using the M-MDS (See ON- BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))].) (See PCM INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].) • MF_CAT1 • MF_CAT2 • MF_CAT_4 • MF_EMI1 • MF_EMI2 • MF_EMI_3		Diagnostic Procedure to perform the procedure for Step 2. Go to Troubleshooting Diagnostic Procedure to perform the procedure for

### Troubleshooting Diagnostic Procedure

Intention of troubleshooting procedure

• Step 1-2

### DTC P0421:00 [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))]

SM2896960

id0102t370440

Note

• To determine the malfunctioning part, proceed with the diagnostics from "Function Inspection Using M-MDS".

### **Details On DTCs**

DESCRIPTION	Catalytic converter s	system
	Determination conditions	• The PCM detects that the HO2S output fluctuates from lean to rich in a short amount of time at specified times continuously after recovery from fuel cut control.
		<ul> <li>Catalytic converter (WU-TWC) is activated sufficiently.</li> <li>A/F sensor is activated sufficiently.</li> <li>HO2S is activated sufficiently.</li> <li>The following DTCs are not detected:</li> </ul>
DETECTION CONDITION	Preconditions	<ul> <li>Misfire: P0300:00, P0301:00, P0302:00, P0303:00, P0304:00</li> <li>Fuel injection correction: P0171:00, P0172:00, P2096:00, P2097:00</li> <li>A/F sensor: P0130:00, P0131:00, P0132:00, P0133:00, P0134:00, P064D:00, P2237:00, P2243:00, P2251:00</li> <li>H02S: P0137:00, P0138:00, P013A:00, P013B:00, P0140:00</li> <li>A/F sensor heater: P0031:00, P0032:00</li> <li>H02S heater: P0037:00, P0038:00</li> </ul>
	Drive cycle	• 1
	Self test type	CMDTC self test
	Sensor used	• A/F sensor, HO2S
FAIL-SAFE FUNCTION	<ul> <li>Not applicable</li> </ul>	
/EHICLE STATUS WHEN DTCs ARE OUTPUT	• Illuminates check	engine light.
	HO2S malfunction     HO2S loose     A/F sensor malfur	nction
POSSIBLE CAUSE	— A/F sensor lo	
	— Exhaust syste — A/F sensor de	-
		er (WU-TWC) deterioration or malfunction

### System Wiring Diagram

• Not applicable

### Function Explanation (DTC Detection Outline)

• The PCM monitors the oxygen storage amount proportional to the catalytic converter purification characteristic.

STEP	2	INSPECTION	RESULTS	ACTION
	6 PURPOSE: INSPECT RELATED SENSOR WIRING HARNESS AND CONNECTOR • Access the following PIDs using the M-MDS: (See ON-BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION))].) - 02S11	Yes	<ul> <li>Inspect the related wiring harness and connector.</li> <li>Repair or replace the malfunctioning part.</li> <li>Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 8.</li> </ul>	
		<ul> <li>— 02S12</li> <li>• When the PCM, A/F sensor and HO2S are shaken, does the PID value include a PID item which has changed?</li> </ul>	2S are shaken, does the PID No Diagr panged? No perfo	Go to Troubleshooting Diagnostic Procedure to perform the procedure from Step 1.

### Troubleshooting Diagnostic Procedure

### Intention of troubleshooting procedure

• Step 1-2

- Perform inspection of HO2S and A/F sensor signal related parts.

• Step 3-7

- Perform inspection of each separate part.

• Step 8–9

— Verify that the primary malfunction is resolved and there are no other malfunctions.

STEP	INSPECTION	RESULTS	ACTION
		Yes	Go to the next step.
1	<ul> <li>PURPOSE: INSPECT INSTALLATION OF HO2S</li> <li>Inspect installation of HO2S.</li> <li>Is the HO2S installed securely?</li> </ul>	No	Retighten the HO2S, then go to Step 8. (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)
2 SENSOR • Inspect installation of A/F sensor	PURPOSE: INSPECT INSTALLATION OF A/F SENSOR • Inspect installation of A/F sensor. • Is the A/F sensor installed securely?	Yes	Replace the A/F sensor and/or HO2S, then go to Step 8. (See AIR FUEL RATIO (A/F) SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION].) (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)
• Is the A/F sensor installed securely?		No	Retighten the A/F sensor, then go to Ste 8. (See AIR FUEL RATIO (A/F) SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)
		Yes	Go to the next step.
3	<ul><li>PURPOSE: INSPECT INSTALLATION OF HO2S</li><li>Inspect installation of HO2S.</li><li>Is the HO2S installed securely?</li></ul>	No	Retighten the HO2S, then go to Step 8. (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)].)