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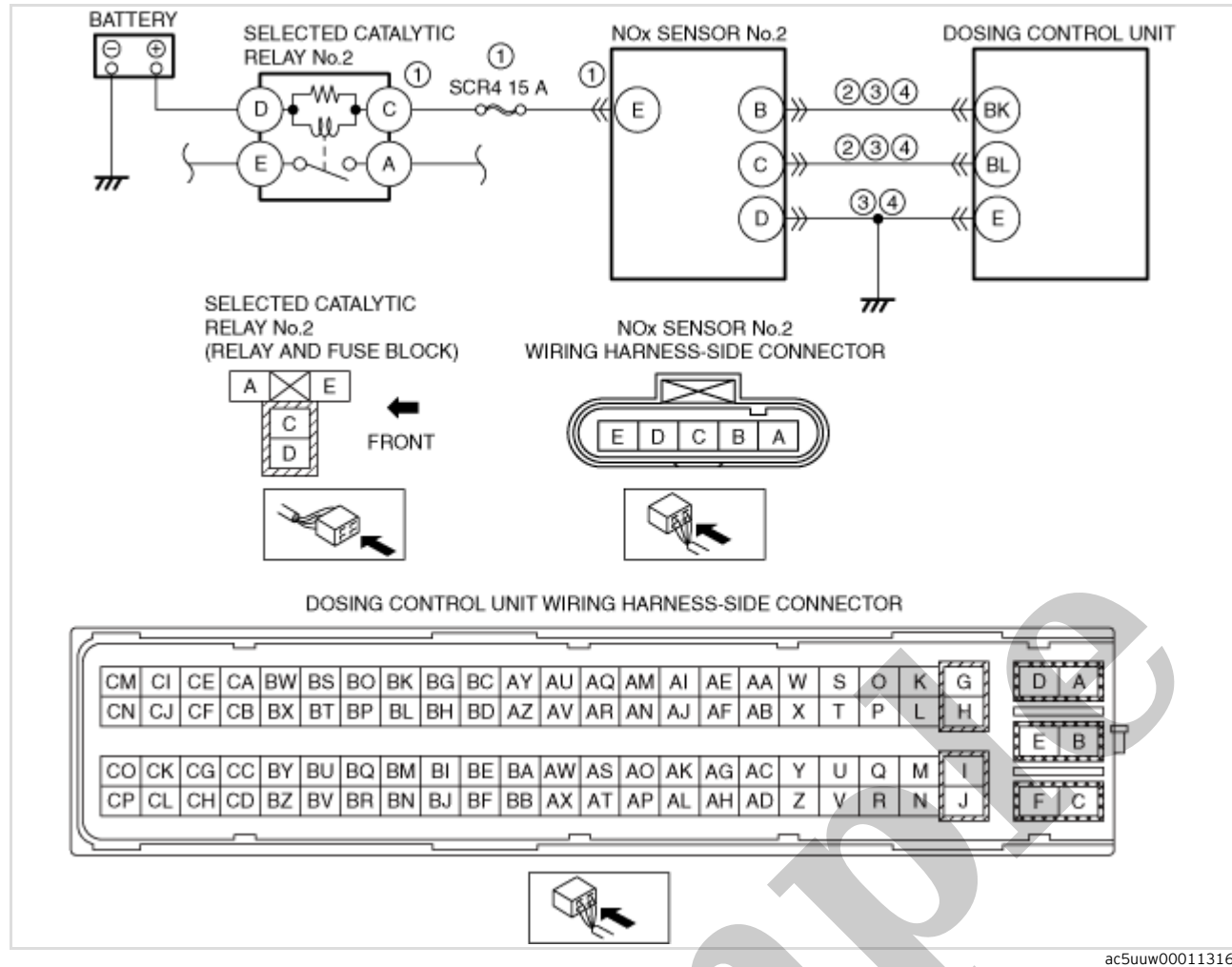
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## 1992 MAZDA 626 (Mk.4) Hatchback OEM Service and Repair Workshop Manual

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

STEP	INSPECTION	RESULTS	ACTION
1	<p><b>PURPOSE: INSPECT NOx SENSOR No.1 POWER SUPPLY CIRCUIT FOR SHORT TO GROUND OR OPEN CIRCUIT</b></p> <ul style="list-style-type: none"> <li>• Switch the ignition off.</li> <li>• Disconnect the NOx sensor No.1 connector.</li> <li>• Switch the ignition ON (engine off).</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• Another DTC may be stored by the dosing control unit detecting an open circuit.</li> <li>• Measure the voltage at the NOx sensor No.1 terminal E (wiring harness-side).</li> <li>• Is the voltage B+?</li> </ul>	Yes	<p>Go to the next step.</p> <p>Inspect the SCR4 15 A fuse.</p> <ul style="list-style-type: none"> <li>• If the fuse is blown: <ul style="list-style-type: none"> <li>— Refer to the wiring diagram and verify whether or not there is a common connector between SCR4 15 A fuse and NOx sensor No.1 terminal E.</li> </ul> </li> </ul> <p><b>If there is a common connector:</b></p> <ul style="list-style-type: none"> <li>• Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for a short to ground.</li> <li>• Repair or replace the malfunctioning part.</li> </ul> <p><b>If there is no common connector:</b></p> <ul style="list-style-type: none"> <li>• Repair or replace the wiring harness which has a short to ground.</li> <li>• Replace the fuse.</li> </ul>
		No	<p><b>If the fuse is damaged:</b></p> <ul style="list-style-type: none"> <li>— Replace the fuse.</li> </ul> <p><b>If the fuse is normal:</b></p> <ul style="list-style-type: none"> <li>— Refer to the wiring diagram and verify whether or not there is a common connector between SCR4 15 A fuse and NOx sensor No.1 terminal E.</li> </ul> <p><b>If there is a common connector:</b></p> <ul style="list-style-type: none"> <li>• Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for an open circuit.</li> <li>• Repair or replace the malfunctioning part.</li> </ul> <p><b>If there is no common connector:</b></p> <ul style="list-style-type: none"> <li>• Repair or replace the wiring harness which has an open circuit.</li> </ul> <p>Go to Step 5.</p>
2	<p><b>PURPOSE: INSPECT NOx SENSOR No.1 CIRCUIT FOR SHORT TO GROUND</b></p> <ul style="list-style-type: none"> <li>• Verify that the NOx sensor No.1 and dosing control unit connectors are disconnected.</li> <li>• Inspect for continuity between the following terminals (wiring harness-side) and body ground: <ul style="list-style-type: none"> <li>— NOx sensor No.1 terminal B</li> <li>— NOx sensor No.1 terminal C</li> </ul> </li> <li>• Is there continuity?</li> </ul>	Yes	<p>Refer to the wiring diagram and verify whether or not there is a common connector between the following terminals:</p> <ul style="list-style-type: none"> <li>• NOx sensor No.1 terminal B–dosing control unit terminal BK</li> <li>• NOx sensor No.1 terminal C–dosing control unit terminal BL</li> </ul> <p><b>If there is a common connector:</b></p> <ul style="list-style-type: none"> <li>• Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for a short to ground.</li> <li>• Repair or replace the malfunctioning part.</li> </ul> <p><b>If there is no common connector:</b></p> <ul style="list-style-type: none"> <li>• Repair or replace the wiring harness which has a short to ground.</li> </ul> <p>Go to Step 5.</p>
		No	Go to the next step.



### Function Explanation (DTC Detection Outline)

- The dosing control unit monitors the NOx sensor activation condition when the heater equipped to NOx sensor No.2 is operated.
- If NOx sensor No.2 is not activated even though a certain period of time has elapsed since the heater was operated, the dosing control unit stores a DTC.

### Repeatability Verification Procedure

- 1.Perform the "COMPULSORY DIESEL PARTICULATE FILTER REGENERATION". (See [COMPULSORY DIESEL PARTICULATE FILTER REGENERATION \[SKYACTIV-D 2.2\].](#))
- 2.Idle the engine for 3 min.

### PID Item/Simulation Item Used In Diagnosis

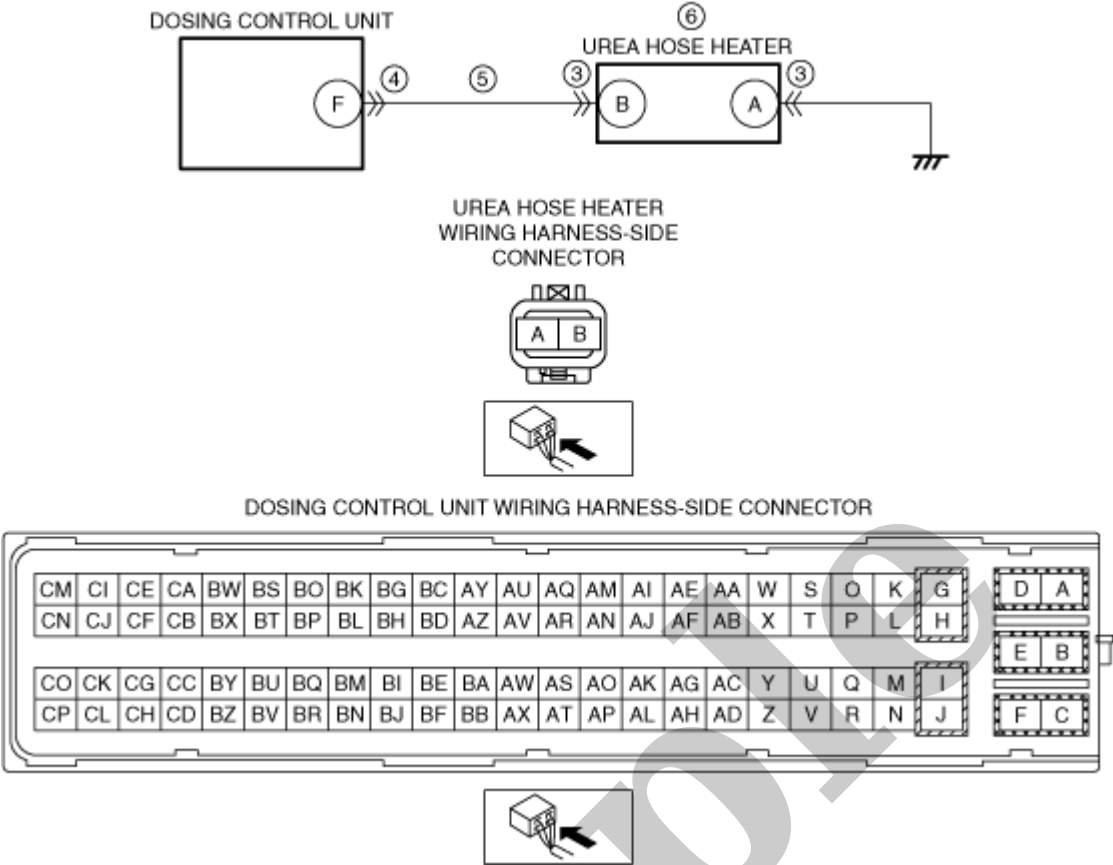
#### PID/DATA monitor item table

—: Not applicable

Item	Definition	Unit	Condition/Specification
NOX_C_B1S2	NOx sensor No.2	— (ppm)	• Displays the exhaust gas NOx concentration after SCR converter

STEP	INSPECTION	RESULTS	ACTION
3	<b>PURPOSE: INSPECT NOx SENSOR No.2 CIRCUIT FOR SHORT TO POWER SUPPLY</b> <ul style="list-style-type: none"> <li>Verify that the NOx sensor No.2 and dosing control unit connectors are disconnected.</li> <li>Switch the ignition ON (engine off).</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>Another DTC may be stored by the dosing control unit detecting an open circuit.</li> <li>Measure the voltage at the following terminals (wiring harness-side). <ul style="list-style-type: none"> <li>NOx sensor No.2 terminal B</li> <li>NOx sensor No.2 terminal C</li> <li>NOx sensor No.2 terminal D</li> </ul> </li> <li>Is the voltage 0 V?</li> </ul>	Yes	Go to the next step.
		No	Refer to the wiring diagram and verify whether or not there is a common connector between the following terminals: <ul style="list-style-type: none"> <li>NOx sensor No.2 terminal B–dosing control unit terminal BK</li> <li>NOx sensor No.2 terminal C–dosing control unit terminal BL</li> <li>NOx sensor No.2 terminal D–body GND</li> </ul> <b>If there is a common connector:</b> <ul style="list-style-type: none"> <li>Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for a short to power supply.</li> <li>Repair or replace the malfunctioning part.</li> </ul> <b>If there is no common connector:</b> <ul style="list-style-type: none"> <li>Repair or replace the wiring harness which has a short to power supply.</li> </ul> Go to Step 5.
4	<b>PURPOSE: INSPECT NOx SENSOR No.2 CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>Verify that the NOx sensor No.2 and dosing control unit connectors are disconnected.</li> <li>Switch the ignition off.</li> <li>Inspect for continuity between the following terminals (wiring harness-side): <ul style="list-style-type: none"> <li>NOx sensor No.2 terminal B–dosing control unit terminal BK</li> <li>NOx sensor No.2 terminal C–dosing control unit terminal BL</li> <li>NOx sensor No.2 terminal D–body GND</li> </ul> </li> <li>Is there continuity?</li> </ul>	Yes	Replace the NOx sensor No.2, then go to the next step. (See <b>NOx SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].</b> )
		No	Refer to the wiring diagram and verify whether or not there is a common connector between the following terminals: <ul style="list-style-type: none"> <li>NOx sensor No.2 terminal B–dosing control unit terminal BK</li> <li>NOx sensor No.2 terminal C–dosing control unit terminal BL</li> <li>NOx sensor No.2 terminal D–body GND</li> </ul> <b>If there is a common connector:</b> <ul style="list-style-type: none"> <li>Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for an open circuit.</li> <li>Repair or replace the malfunctioning part.</li> </ul> <b>If there is no common connector:</b> <ul style="list-style-type: none"> <li>Repair or replace the wiring harness which has an open circuit.</li> </ul> Go to the next step.
5	<b>PURPOSE: VERIFICATION OF VEHICLE REPAIR COMPLETION</b> <ul style="list-style-type: none"> <li>Always reconnect all disconnected connectors.</li> <li>Clear the DTC from the dosing control unit memory using the M-MDS. (See <b>CLEARING DTC [DOSING CONTROL UNIT (SKYACTIV-D 2.2)].</b>)</li> <li>Implement the repeatability verification procedure. (See -2 Repeatability Verification Procedure.)</li> <li>Perform the Pending Trouble Code Access Procedure. (See <b>ON-BOARD DIAGNOSTIC TEST [DOSING CONTROL UNIT (SKYACTIV-D 2.2)].</b>)</li> <li>Is the same Pending DTC present?</li> </ul>	Yes	Repeat the inspection from Step 1. <ul style="list-style-type: none"> <li>If the malfunction recurs, replace the dosing control unit. (See <b>DOSING CONTROL UNIT REMOVAL/INSTALLATION [SKYACTIV-D 2.2].</b>)</li> </ul> Go to the next step.
		No	Go to the next step.
6	<b>PURPOSE: VERIFY IF THERE IS ANY OTHER MALFUNCTION</b> <ul style="list-style-type: none"> <li>Is any other DTC or pending code stored?</li> </ul>	Yes	Go to the applicable DTC inspection. (See <b>DTC TABLE [DOSING CONTROL UNIT (SKYACTIV-D 2.2)].</b> )
		No	DTC troubleshooting completed.

STEP	INSPECTION	RESULTS	ACTION
3	<b>INSPECT UREA HOSE HEATER GROUND CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Verify that the urea hose heater connector is disconnected.</li> <li>• Inspect for continuity between the urea hose heater terminal A (wiring harness-side) and body ground.</li> <li>• Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Refer to the wiring diagram and verify whether or not there is a common connector between the urea hose heater terminal A and body ground. <b>If there is a common connector:</b> <ul style="list-style-type: none"> <li>• Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for an open circuit.</li> <li>• Repair or replace the malfunctioning part.</li> </ul> <b>If there is no common connector:</b> <ul style="list-style-type: none"> <li>• Inspect for the following:               <ul style="list-style-type: none"> <li>— Open circuit between urea hose heater and body ground</li> <li>— Loose or lifting ground point</li> </ul> </li> <li>• Repair or replace the malfunctioning part.</li> </ul> Go to Step 8.
4	<b>INSPECT DOSING CONTROL UNIT CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>• Disconnect the dosing control unit connector.</li> <li>• Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>• Is there any malfunction?</li> </ul>	Yes	Repair or replace the connector and/or terminals, then go to Step 8.
		No	Go to the next step.
5	<b>INSPECT UREA HOSE HEATER CIRCUIT FOR SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>• Verify that the urea hose heater and dosing control unit connectors are disconnected.</li> <li>• Inspect for continuity between the urea hose heater terminal B (wiring harness-side) and body ground.</li> <li>• Is there continuity?</li> </ul>	Yes	Refer to the wiring diagram and verify whether or not there is a common connector between the urea hose heater terminal B and dosing control unit terminal F. <b>If there is a common connector:</b> <ul style="list-style-type: none"> <li>• Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for a short to ground.</li> <li>• Repair or replace the malfunctioning part.</li> </ul> <b>If there is no common connector:</b> <ul style="list-style-type: none"> <li>• Repair or replace the wiring harness which has a short to ground.</li> </ul> Go to Step 8.
		No	Go to the next step.
6	<b>INSPECT UREA HOSE HEATER CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Verify that the urea hose heater and dosing control unit connectors are disconnected.</li> <li>• Inspect for continuity between the urea hose heater terminal B (wiring harness-side) and dosing control unit terminal F (wiring harness-side).</li> <li>• Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Refer to the wiring diagram and verify whether or not there is a common connector between the urea hose heater terminal B and dosing control unit terminal F. <b>If there is a common connector:</b> <ul style="list-style-type: none"> <li>• Determine the malfunctioning part by inspecting the common connector and the terminal for corrosion, damage, or pin disconnection, and the common wiring harness for an open circuit.</li> <li>• Repair or replace the malfunctioning part.</li> </ul> <b>If there is no common connector:</b> <ul style="list-style-type: none"> <li>• Repair or replace the wiring harness which has an open circuit.</li> </ul> Go to Step 8.
7	<b>INSPECT UREA HOSE HEATER</b> <ul style="list-style-type: none"> <li>• Inspect the urea hose heater. (See <b>UREA HOSE HEATER INSPECTION [SKYACTIV-D 2.2].</b>)</li> <li>• Is there any malfunction?</li> </ul>	Yes	Replace the urea hose, then go to the next step. (See <b>UREA TANK REMOVAL/INSTALLATION [SKYACTIV-D 2.2].</b> )
		No	Go to the next step.



Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	<p><b>RECORD VEHICLE STATUS AT TIME OF DTC DETECTION TO UTILIZE WITH REPEATABILITY VERIFICATION</b></p> <p><b>Note</b></p> <ul style="list-style-type: none"><li>Recording can be facilitated using the screen capture function of the PC.</li><li>Record the snapshot data on the repair order.</li></ul>	–	Go to the next step.
2	<p><b>VERIFY RELATED REPAIR INFORMATION AVAILABILITY</b></p> <ul style="list-style-type: none"><li>Verify related Service Bulletins and/or on-line repair information availability.</li><li>Is any related repair information available?</li></ul>	Yes	Perform repair or diagnosis according to the available repair information. <ul style="list-style-type: none"><li>If the vehicle is not repaired, go to the next step.</li></ul>
		No	Go to the next step.
3	<p><b>INSPECT UREA HOSE HEATER CONNECTOR CONDITION</b></p> <ul style="list-style-type: none"><li>Switch the ignition off.</li><li>Disconnect the urea hose heater connector.</li><li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li><li>Is there any malfunction?</li></ul>	Yes	Repair or replace the connector and/or terminals, then go to Step 7.
		No	Go to the next step.

DESCRIPTION	NOx sensor No.1: NOx concentration is too high
POSSIBLE CAUSE	<ul style="list-style-type: none"> <li>• NOx sensor No.1 connector or terminals malfunction</li> <li>• Dosing control unit connector or terminals malfunction</li> <li>• NOx sensor No.1 malfunction</li> <li>• Dosing control unit malfunction</li> <li>• Misfire</li> </ul>

### System Wiring Diagram

- Not applicable

### Function Explanation (DTC Detection Outline)

- The dosing control unit detects the NOx concentration in the exhaust gas based on the NOx sensor No.1 signal.
- If the NOx value detected by NOx sensor No.1 during deceleration fuel cut is too high, the dosing control unit stores a DTC.

### Repeatability Verification Procedure

- 1.Perform the "COMPULSORY DIESEL PARTICULATE FILTER REGENERATION". (See [COMPULSORY DIESEL PARTICULATE FILTER REGENERATION \[SKYACTIV-D 2.2\].](#))
- 2.Perform acceleration/deceleration 5 times or more repeatedly at a vehicle speed of 80 km/h {50 mph} or less.

### PID Item/Simulation Item Used In Diagnosis

PID/DATA monitor item table

—: Not applicable

Item	Definition	Unit	Condition/Specification
NOX_C_B1S1	NOx sensor No.1	— (ppm)	• Displays the exhaust gas NOx concentration before SCR converter

### Function Inspection Using M-MDS

STEP	INSPECTION	RESULTS	ACTION
1	<b>PURPOSE: VERIFY RELATED REPAIR INFORMATION AVAILABILITY</b> <ul style="list-style-type: none"> <li>• Verify related Service Bulletins and/or on-line repair information availability.</li> <li>• Is any related repair information available?</li> </ul>	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.

DTC P225D:00 [DOSING CONTROL UNIT (SKYACTIV-D 2.2)]

SM2896381

id0102k172690

Note

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

Details On DTCs

DESCRIPTION	NOx sensor No.1: NOx concentration is too low	
DETECTION CONDITION	Determination conditions	<ul style="list-style-type: none"><li>• NOx value detected by NOx sensor No.1 during fuel cut is too low</li></ul>
	Preconditions	<ul style="list-style-type: none"><li>• CAN communication condition is normal</li><li>• Engine speed: 900–4,000 rpm</li><li>• EGR valve position: 6 % or less</li><li>• Throttle valve position: 55 % or more</li><li>• NOx sensor No.1 heater operates for 30 s or more</li><li>• Fuel injection amount during fuel cut is less than 0.5 mg/stroke for 0.4 s or more</li><li>• Diesel particulate filter regeneration control is not performed for 30 s or more</li><li>• Fuel injection amount during fuel cut is less than 0.5 mg/stroke for 0.4 s or more</li><li>• NOx temperature, NOx emission amount, and NH3 emission amount are within standard</li><li>• Intake air amount: 110–500 g {3.88–17.6 oz}</li><li>• Battery voltage: 10.9–16.0 V</li><li>• The following DTCs are not detected:<ul style="list-style-type: none"><li>— Boost air temperature sensor: P007B:00, P007C:00, P007D:00</li><li>— IAT sensor No.2: P00E9:00, P00EA:00, P00EB:00</li><li>— MAP sensor No.2: P0106:00, P0107:00, P0108:00</li><li>— ECT sensor: P0116:00, P0117:00, P0118:00, P011A:00</li><li>— Intake shutter valve position sensor: P0122:00, P0123:00</li><li>— EGR valve position sensor: P0405:00, P0406:00</li><li>— Exhaust gas pressure sensor No.1: P0471:00, P0472:00, P0473:00</li><li>— Exhaust gas temperature sensor No.1: P0545:00, P0546:00, P161D:00, P2080:00</li><li>— NOx sensor No.1: P2200:00, P220E:00</li><li>— EGR cooler bypass valve position sensor: P2494:00, P2495:00</li><li>— CAN system communication error: U0100:00</li></ul></li></ul>
	Drive cycle	<ul style="list-style-type: none"><li>• 2</li></ul>
	Self test type	<ul style="list-style-type: none"><li>• CMDTC self test</li></ul>
	Sensor used	<ul style="list-style-type: none"><li>• NOx sensor No.1</li><li>• Dosing control unit</li></ul>
FAIL-SAFE FUNCTION	<ul style="list-style-type: none"><li>• Not applicable</li></ul>	
VEHICLE STATUS WHEN DTCs ARE OUTPUT	<ul style="list-style-type: none"><li>• Illuminates selective catalytic reduction (SCR) warning light.</li><li>• DTC P1640:00 is also stored in the PCM.</li></ul>	

• Step 1

— Perform inspection of NOx sensor No.1.

• Step 2

— Verify if misfire is occurring.

• Step 3-4

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

STEP	INSPECTION	RESULTS	ACTION
1	<b>PURPOSE: DETERMINE INTEGRITY OF NOx SENSOR NO.1</b> • Inspect the NOx sensor No.1. (See <b>NOx SENSOR INSPECTION [SKYACTIV-D 2.2].</b> ) • Is there any malfunction?	Yes	Replace the NOx sensor No.1, then go to Step 3. (See <b>NOx SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].</b> )
		No	Go to the next step.
2	<b>PURPOSE: VERIFY IF MISFIRE IS OCCURRING</b> • Verify if a misfire is occurring referring to the troubleshooting procedure for DTC P0300:00. (See <b>DTC P0300:00 [PCM (SKYACTIV-D 2.2)].</b> ) • Has a misfire occurred?	Yes	Specify the cause of the misfire and repair or replace the malfunctioning location referring to the troubleshooting procedure for DTC P0300:00. (See <b>DTC P0300:00 [PCM (SKYACTIV-D 2.2)].</b> ) Go to the next step.
		No	Go to the next step.
3	<b>PURPOSE: VERIFICATION OF VEHICLE REPAIR COMPLETION</b> • Clear the DTC from the dosing control unit memory using the M-MDS. (See <b>CLEARING DTC [DOSING CONTROL UNIT (SKYACTIV-D 2.2)].</b> ) • Implement the repeatability verification procedure. (See <b>Repeatability Verification Procedure.</b> ) • Perform the Pending Trouble Code Access Procedure. (See <b>ON-BOARD DIAGNOSTIC TEST [DOSING CONTROL UNIT (SKYACTIV-D 2.2)].</b> ) • Is the same Pending DTC present?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the dosing control unit. (See <b>DOSING CONTROL UNIT REMOVAL/INSTALLATION [SKYACTIV-D 2.2].</b> ) Go to the next step.
		No	Go to the next step.
4	<b>PURPOSE: VERIFY IF THERE IS ANY OTHER MALFUNCTION</b> • Is any other DTC or pending code stored?	Yes	Go to the applicable DTC inspection. (See <b>DTC TABLE [DOSING CONTROL UNIT (SKYACTIV-D 2.2)].</b> )
		No	DTC troubleshooting completed.

STEP	INSPECTION	RESULTS	ACTION
2	<p><b>PURPOSE: RECORD FREEZE FRAME DATA/SNAPSHOT DATA AND DIAGNOSTIC MONITORING TEST RESULTS TO UTILIZE WITH REPEATABILITY VERIFICATION</b></p> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>Recording can be facilitated using the screen capture function of the PC.</li> <li>Record the FREEZE FRAME DATA/snapshot data and DIAGNOSTIC MONITORING TEST RESULTS (NOx sensor No.2) on the repair order.</li> </ul>	—	Go to the next step.
3	<p><b>PURPOSE: VERIFY IF DIAGNOSTIC RESULT IS AFFECTED BY OTHER RELATED DTCs OCCURRING</b></p> <ul style="list-style-type: none"> <li>Switch the ignition off, then ON (engine off).</li> <li>Perform the Pending Trouble Code Access Procedure and DTC Reading Procedure.</li> <li>Is the PENDING CODE/DTC P229E:00 or U029E:00 also present?</li> </ul>	Yes	<p>Go to the applicable DTC inspection. (See <b>DTC P229E:00 [DOSING CONTROL UNIT (SKYACTIV-D 2.2)]</b>.) (See <b>DTC U029E:00 [DOSING CONTROL UNIT (SKYACTIV-D 2.2)]</b>.)</p> <p>Repair or replace the applicable wiring harness or connector parts. Go to the troubleshooting procedure to perform the procedure from Step 2.</p>
		No	Go to the next step.
4	<p><b>PURPOSE: VERIFY IF THERE IS PID ITEM CAUSING DRASTIC CHANGES OF ACCELERATION FLUCTUATION BY INPUT SIGNAL TO PCM OR DOSING CONTROL UNIT</b></p> <ul style="list-style-type: none"> <li>Access the following PIDs using the M-MDS: (See <b>ON-BOARD DIAGNOSTIC TEST [DOSING CONTROL UNIT (SKYACTIV-D 2.2)]</b>.)</li> <li>— NOX_C_B1S2</li> <li>Is there any signal that is far out of specification?</li> </ul>	Yes	Go to the next step.
		No	Go to Troubleshooting Diagnostic Procedure to perform the procedure from step 1.
5	<p><b>PURPOSE: VERIFY CONNECTOR CONNECTIONS</b></p> <ul style="list-style-type: none"> <li>Access the following PIDs using the M-MDS: (See <b>ON-BOARD DIAGNOSTIC TEST [DOSING CONTROL UNIT (SKYACTIV-D 2.2)]</b>.)</li> <li>— NOX_C_B1S2</li> <li>When the following parts are shaken, does the PID value include a PID item which has changed?</li> <li>— NOx sensor No.2</li> <li>— Dosing control unit</li> </ul>	Yes	<p>Inspect the related wiring harness and connector.</p> <ul style="list-style-type: none"> <li>Repair or replace the malfunctioning part.</li> </ul>
		No	Go to Troubleshooting Diagnostic Procedure to perform the procedure from step 1.

## Troubleshooting Diagnostic Procedure

### Intention of troubleshooting procedure

#### • Step 1

— Perform inspection of NOx sensor No.2.

#### • Step 2–3

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