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1991 MAZDA 323 (BF) Station Wagon OEM Service and Repair Workshop Manual

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DTC P0506:00	Idle speed control system: RPM lower than expected
	<ul> <li>Fuel freezing</li> <li>Intake air system malfunction (air suction, leakage, perforation)</li> <li>Fuel system malfunction</li> </ul>
	<ul> <li>Fuel injector No.1-No.4 malfunction</li> <li>Fuel injector No.1-No.4 connectors or terminals malfunction</li> <li>Fuel leakage from fuel system or trapped air</li> <li>Supply pump malfunction</li> <li>Fuel feed valve malfunction</li> <li>Fuel check valve malfunction</li> <li>Fuel pressure relief valve malfunction</li> </ul>
	<ul> <li>Fuel pipe improper routing (improper connection)</li> <li>Fuel filter clogged</li> <li>Erratic signal to PCM</li> </ul>
POSSIBLE CAUSE	<ul> <li>— CKP sensor malfunction</li> <li>— Engine oil temperature sensor malfunction</li> <li>• EGR valve malfunction</li> <li>• EGR cooler bypass valve malfunction</li> <li>• Refrigerant pressure sensor malfunction</li> <li>• Engine mechanical system malfunction</li> </ul>
	<ul> <li>Large mechanical resistance</li> <li>Insufficient engine compression</li> <li>Improper valve timing</li> <li>Engine oil malfunction (oil working up or down/poor engine oil quality/improper engine oil</li> </ul>
	level/dilution)  — Piston ring malfunction  — Slippage of belts for engine accessories  — Excessive load on generator
	<ul> <li>A/C relay malfunction</li> <li>Magnetic clutch (A/C system) malfunction</li> <li>A/C compressor malfunction</li> <li>ATX malfunction</li> <li>NSC (NOx Storage Catalyst) malfunction (deterioration)</li> <li>PCM malfunction</li> <li>Misfire</li> </ul>
SYSTEM WIRING DIAGRAM	Not applicable

#### Caution

- If a hand or tool touches a fuel injector terminal or fuel injector connector terminal, the fuel injector might be damaged. To prevent damage to a fuel injector, do not touch the terminals.
- If high-voltage generating parts or components and electronic devices come near a fuel injector, the fuel injector could be damaged. To prevent damage to a fuel injector, always keep high-voltage generating parts or components and electronic devices away from it.

STEP	INSPECTION		ACTION
14	INSPECT EGR VALVE  • Inspect the EGR valve. (See EGR VALVE INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?	Yes	Replace the EGR valve, then go to Step 28. (See EGR VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.
15	INSPECT EGR VALVE POSITION SENSOR  • Reconnect all disconnected connectors.  • Inspect the EGR valve position sensor. (See EGR VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2].)	Yes	Replace the EGR valve, then go to Step 28. (See EGR VALVE REMOVAL/INSTALLATION [SKYACTIV-[2.2].)
	• Is there any malfunction?	No	Go to the next step.
16	INSPECT EGR COOLER BYPASS VALVE  • Inspect the EGR cooler bypass valve. (See EGR COOLER BYPASS VALVE INSPECTION [SKYACTIV-D 2.2].)	Yes	Replace the EGR cooler bypass valve, then go to Step 28. (See EGR COOLER BYPASS VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	• Is there any malfunction?	No	Go to the next step.
17	INSPECT EGR COOLER BYPASS VALVE POSITION SENSOR  • Reconnect all disconnected connectors.  • Inspect the EGR cooler bypass valve position sensor. (See EGR VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2]	Yes	Replace the EGR cooler bypass valve, then go to Step 28. (See EGR COOLER BYPASS VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	• Is there any malfunction?	No	Go to the next step.
18	INSPECT ENGINE OIL TEMPERATURE SENSOR  • Inspect the engine oil temperature sensor, (See ENGINE OIL TEMPERATURE SENSOR INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?	Yes	Replace the engine oil temperature sensor/engine oil pressure sensor, then go to Step 28. (See ENGINE OIL TEMPERATURE SENSOR/ENGINE OIL PRESSURE SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.
19	INSPECT REFRIGERANT PRESSURE SENSOR  • Inspect the refrigerant pressure sensor. (See REFRIGERANT PRESSURE SENSOR INSPECTION [MANUAL AIR CONDITIONER].) (See REFRIGERANT PRESSURE SENSOR INSPECTION [FULL-AUTO AIR CONDITIONER].)  • Is there any malfunction?	Yes	Replace the refrigerant pressure sensor, then go to Step 28. (See REFRIGERANT PRESSURE SENSOR REMOVAL/INSTALLATION [MANUAL AIR CONDITIONER].) (See REFRIGERANT PRESSURE SENSOR REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER].)
		No	Go to the next step.
20	INSPECT ENGINE COMPRESSION  • Inspect the engine compression. (See  COMPRESSION INSPECTION [SKYACTIV-D 2.2].)	Yes	Go to Step 22.
	• Are compression pressures within specification?	No	Go to the next step.
	INSPECT FOR MALFUNCTION DUE TO DEVIATED	Yes	Go to the next step.
21	<ul> <li>VALVE TIMING</li> <li>Inspect the valve timing (timing chain installation condition). (See TIMING CHAIN REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)</li> <li>Is the valve timing normal?</li> </ul>	No	Adjust the valve timing to the correct timing, then go to Step 28. (See TIMING CHAIN REMOVAL/INSTALLATION [SKYACTIV-[2.2].)

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DTC P0602:00	PCM Programming Error
DETECTION CONDITION	<ul> <li>With the following conditions met, the vehicle recognition is not stored in the PCM for a continuous 1 s. MONITORING CONDITIONS</li> <li>When all of the following conditions are met:  — Ignition switched ON (engine off or on)  Diagnostic support note  • This is a continuous monitor (CCM).</li> <li>• The check engine light illuminates if the PCM detects the above malfunction condition during the first driv cycle.</li> <li>• FREEZE FRAME DATA/Snapshot data is available.</li> <li>• DTC is stored in the PCM memory.</li> </ul>
FAIL-SAFE FUNCTION	• Not applicable
POSSIBLE CAUSE	<ul> <li>Configuration has not been completed</li> <li>PCM connector or terminals malfunction</li> <li>PCM malfunction</li> </ul>
SYSTEM WIRING DIAGRAM	Not applicable

STEP	INSPECTION		ACTION
1	RECORD VEHICLE STATUS AT TIME OF DTC DETECTION TO UTILIZE WITH REPEATABILITY VERIFICATION  Note  • Recording can be facilitated using the screen capture function of the PC. • Record the FREEZE FRAME DATA/snapshot data on the repair order.	_	Go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY • Verify related Service Bulletins and/or online repair information availability.	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
	• Is any related repair information available?	No	Go to the next step.
2	PERFORM PCM CONFIGURATION  • Perform the PCM configuration (using read/write function). (See PCM CONFIGURATION (USING READ/WRITE FUNCTION) [SKYACTIV-D 2.2].)  • Clear the DTC from the PCM memory using	Yes	Go to the next step.
3	the M-MDS. (See CLEARING DTC [PCM (SKYACTIV-D 2.2)].)  • Perform the DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [PCM (SKYACTIV-D 2.2)].)  • Is the same DTC present?	No	Go to Step 6.

• Fuel freezing • Intake air system malfunction (air suction, leakage, perforation) • Fuel system malfunction  — Fuel injector No.1–No.4 malfunction — Fuel linjector No.1–No.4 connectors or terminals malfunction — Fuel leakage from fuel system or trapped air — Supply pump malfunction — Fuel feed valve malfunction — Fuel check valve malfunction — Fuel pressure relief valve malfunction — Fuel pipe improper routing (improper connection) — Fuel filter clogged • Erratic signal to PCM  — CKP sensor malfunction — Engine oil temperature sensor malfunction • EGR valve malfunction • EGR cooler bypass valve malfunction • Refrigerant pressure sensor malfunction • Finding mechanical system malfunction	DTC P0507:00	Idle speed control system: RPM higher than expected
- Fuel injector No.1-No.4 connectors or terminals malfunction - Fuel leakage from fuel system or trapped air - Supply pump malfunction - Fuel feed valve malfunction - Fuel check valve malfunction - Fuel pressure relief valve malfunction - Fuel pipe improper routing (improper connection) - Fuel filter clogged • Erratic signal to PCM - CKP sensor malfunction - Engine oil temperature sensor malfunction • EGR valve malfunction • EGR cooler bypass valve malfunction • Refrigerant pressure sensor malfunction		• Intake air system malfunction (air suction, leakage, perforation)
<ul> <li>Fuel filter clogged</li> <li>Erratic signal to PCM</li> <li>CKP sensor malfunction</li> <li>Engine oil temperature sensor malfunction</li> <li>EGR valve malfunction</li> <li>EGR cooler bypass valve malfunction</li> <li>Refrigerant pressure sensor malfunction</li> </ul>		<ul> <li>Fuel injector No.1-No.4 connectors or terminals malfunction</li> <li>Fuel leakage from fuel system or trapped air</li> <li>Supply pump malfunction</li> <li>Fuel feed valve malfunction</li> <li>Fuel check valve malfunction</li> <li>Fuel pressure relief valve malfunction</li> </ul>
— Engine oil temperature sensor malfunction  • EGR valve malfunction  • EGR cooler bypass valve malfunction  • Refrigerant pressure sensor malfunction		— Fuel filter clogged
Engine mechanical system manufaction	POSSIBLE CAUSE	<ul> <li>Engine oil temperature sensor malfunction</li> <li>EGR valve malfunction</li> <li>EGR cooler bypass valve malfunction</li> </ul>
<ul> <li>Large mechanical resistance</li> <li>Insufficient engine compression</li> <li>Improper valve timing</li> <li>Engine oil malfunction (oil working up or down/poor engine oil quality/improper engine oil level/dilution)</li> <li>Piston ring malfunction</li> <li>Slippage of belts for engine accessories</li> <li>Excessive load on generator</li> <li>A/C relay malfunction</li> <li>Magnetic clutch (A/C system) malfunction</li> </ul>		<ul> <li>Insufficient engine compression</li> <li>Improper valve timing</li> <li>Engine oil malfunction (oil working up or down/poor engine oil quality/improper engine oil level/dilution)</li> <li>Piston ring malfunction</li> <li>Slippage of belts for engine accessories</li> <li>Excessive load on generator</li> <li>A/C relay malfunction</li> </ul>
• A/C compressor malfunction     • ATX malfunction     • NSC (NOx Storage Catalyst) malfunction (deterioration)     • PCM malfunction  SYSTEM WIRING  Not applicable	SYSTEM WIRING	<ul> <li>ATX malfunction</li> <li>NSC (NOx Storage Catalyst) malfunction (deterioration)</li> <li>PCM malfunction</li> </ul>

#### Caution

DIAGRAM

Not applicable

- If a hand or tool touches a fuel injector terminal or fuel injector connector terminal, the fuel injector might be damaged. To prevent damage to a fuel injector, do not touch the terminals.
- If high-voltage generating parts or components and electronic devices come near a fuel injector, the fuel injector could be damaged. To prevent damage to a fuel injector, always keep high-voltage generating parts or components and electronic devices away from it.

STEP	INSPECTION	ACTION	
16	INSPECT EGR COOLER BYPASS VALVE POSITION SENSOR  • Reconnect all disconnected connectors.  • Inspect the EGR cooler bypass valve position sensor. (See EGR VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2]	Yes	Replace the EGR cooler bypass valve, then go to Step 26. (See EGR COOLER BYPASS VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	• Is there any malfunction?	No	Go to the next step.
17	INSPECT ENGINE OIL TEMPERATURE SENSOR  • Inspect the engine oil temperature sensor. (See ENGINE OIL TEMPERATURE SENSOR INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?	Yes	Replace the engine oil temperature sensor/engine oil pressure sensor, then go to Step 26. (See ENGINE OIL TEMPERATURE SENSOR/ENGINE OIL PRESSURE SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.
18	INSPECT REFRIGERANT PRESSURE SENSOR  • Inspect the refrigerant pressure sensor. (See REFRIGERANT PRESSURE SENSOR INSPECTION [MANUAL AIR CONDITIONER].) (See REFRIGERANT PRESSURE SENSOR INSPECTION [FULL-AUTO AIR CONDITIONER].)  • Is there any malfunction?	Yes	Replace the refrigerant pressure sensor, then go to Step 26. (See REFRIGERANT PRESSURE SENSOR REMOVAL/INSTALLATION [MANUAL AIR CONDITIONER].) (See REFRIGERANT PRESSURE SENSOR REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER].)
		No	Go to the next step.
19	INSPECT ENGINE COMPRESSION  • Inspect the engine compression. (See COMPRESSION INSPECTION [SKYACTIV-D 2.2].)  • Are compression pressures within specification?	Yes	Go to Step 22.
		No	Go to the next step.
	INSPECT FOR MALFUNCTION DUE TO DEVIATED VALVE	Yes	Go to the next step.
20	TIMING  • Inspect the valve timing (timing chain installation condition). (See TIMING CHAIN REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)  • Is the valve timing normal?	No	Adjust the valve timing to the correct timing, then go to Step 26. (See TIMING CHAIN REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	INSPECT FOR MALFUNCTION DUE TO INTERNAL ENGINE WEAR, DAMAGE • Inspect for the following engine internal parts:	Yes	Go to the next step.
21	<ul> <li>Cylinder</li> <li>Piston ring</li> <li>Intake valve</li> <li>Exhaust valve</li> <li>Such as cylinder head gasket</li> <li>Are all items normal?</li> </ul>	No	Repair or replace the malfunctioning part according to the inspection results, then go to Step 26.
22	INSPECT DRIVE BELT  Inspect the drive belt. (See DRIVE BELT INSPECTION [SKYACTIV-D 2.2].)  Is there any malfunction?	Yes	Replace the drive belt, then go to Step 26. (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.
23	INSPECT GENERATOR  • Inspect the generator. (See GENERATOR INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?	Yes	Replace the generator, then go to the next step. (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.

STEP	INSPECTION		ACTION
4	VERIFY DTC TROUBLESHOOTING COMPLETED  • Always reconnect all disconnected connectors.  • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [PCM (SKYACTIV-D 2.2)].)  • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [PCM (SKYACTIV-D 2.2)].)  • Is the same DTC present?	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.
5	VERIFY AFTER REPAIR PROCEDURE  • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [PCM (SKYACTIV-D 2.2)].)  • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [PCM (SKYACTIV-D 2.2)].)
		No	DTC troubleshooting completed.



STEP	INSPECTION		ACTION
3	INSPECT EGR COOLER BYPASS VALVE CONNECTOR CONDITION  • Switch the ignition off.  • Disconnect the EGR cooler bypass valve connector.	Yes	Repair or replace the connector and/or terminals, then go to Step 10.
	<ul><li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li><li>Is there any malfunction?</li></ul>	No	Go to the next step.
4	<ul><li>INSPECT PCM CONNECTOR CONDITION</li><li>Disconnect the PCM connector.</li><li>Inspect for poor connection (such as</li></ul>	Yes	Repair or replace the connector and/or terminals, then go to Step 10.
	damaged/pulled-out pins, corrosion). • Is there any malfunction?	No	Go to the next step.
		Yes	Go to the next step.
5	INSPECT EGR COOLER BYPASS VALVE CIRCUIT FOR OPEN CIRCUIT  • Verify that the EGR cooler bypass valve and PCM connectors are disconnected.  • Inspect for continuity between the following terminals (wiring harness-side):  — EGR cooler bypass valve terminal E-PCM terminal 1BH — EGR cooler bypass valve terminal A-PCM terminal 1BC  • Is there continuity?		Refer to the wiring diagram and verify whether or not there is a common connector between the following terminals: • EGR cooler bypass valve terminal E-PCM terminal 1BH • EGR cooler bypass valve terminal A-PCM terminal 1BC If there is a common connector: • 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. • Repair or replace the malfunctioning part. If there is no common connector: • Repair or replace the wiring harness which has an open circuit. Go to Step 10.
6	INSPECT EGR COOLER BYPASS VALVE CIRCUIT FOR SHORT TO GROUND  • Verify that the EGR cooler bypass valve and PCM connectors are disconnected.  • Inspect for continuity between the following terminals (wiring harness-side) and body ground:  — EGR cooler bypass valve terminal E — EGR cooler bypass valve terminal A  • Is there continuity?	Yes	Refer to the wiring diagram and verify whether or not there is a common connector between the following terminals: • EGR cooler bypass valve terminal E-PCM terminal 1BH • EGR cooler bypass valve terminal A-PCM terminal 1BC If there is a common connector: • 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. • Repair or replace the malfunctioning part. If there is no common connector: • Repair or replace the wiring harness which has a short to ground. Go to Step 10.
		No	Go to the next step.

DTC P151B:00	Idle speed control system: RPM lower than expected
POSSIBLE CAUSE	Fuel freezing Intake air system malfunction (air suction, leakage, perforation)  Fuel system malfunction  Fuel injector No.1-No.4 malfunction  Fuel injector No.1-No.4 connectors or terminals malfunction  Fuel leakage from fuel system or trapped air  Supply pump malfunction  Fuel leakage from fuel system or trapped air  Supply pump malfunction  Fuel check valve malfunction  Fuel pressure relief valve malfunction  Fuel pipe improper routing (improper connection)  Fuel pilter clogged  Frratic signal to PCM  CKP sensor malfunction  Engine oil temperature sensor malfunction  EGR valve malfunction  EGR valve malfunction  Refrigerant pressure sensor malfunction  Refrigerant pressure sensor malfunction  CEngine mechanical system malfunction  Large mechanical resistance  Insufficient engine compression  Improper valve timing  Engine oil malfunction (oil working up or down/poor engine oil quality/improper engine oil level/dilution)  Piston ring malfunction  Slippage of belts for engine accessories  Excessive load on generator  A/C relay malfunction  Magnetic clutch (A/C system) malfunction  A/C compressor malfunction  NSC (NOx Storage Catalyst) malfunction (deterioration)  Misfire
SYSTEM WIRING DIAGRAM	• PCM malfunction  Not applicable

#### Caution

- If a hand or tool touches a fuel injector terminal or fuel injector connector terminal, the fuel injector might be damaged. To prevent damage to a fuel injector, do not touch the terminals.
- If high-voltage generating parts or components and electronic devices come near a fuel injector, the fuel injector could be damaged. To prevent damage to a fuel injector, always keep high-voltage generating parts or components and electronic devices away from it.

STEP	INSPECTION		ACTION
15	INSPECT EGR COOLER BYPASS VALVE  • Inspect the EGR cooler bypass valve. (See EGR COOLER BYPASS VALVE INSPECTION [SKYACTIV-D 2.2].)	Yes	Replace the EGR cooler bypass valve, then go to Step 27. (See EGR COOLER BYPASS VALVE REMOVAL/INSTALLATION [SKYACTIV-[2.2].)
	• Is there any malfunction?	No	Go to the next step.
16	INSPECT EGR COOLER BYPASS VALVE POSITION SENSOR  • Reconnect all disconnected connectors.  • Inspect the EGR cooler bypass valve position sensor. (See EGR COOLER BYPASS VALVE POSITION SENSOR INSPECTION [SKYACTIV-D 2.2]	Yes	Replace the EGR cooler bypass valve, then go to Step 27. (See EGR COOLER BYPASS VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	• Is there any malfunction?	No	Go to the next step.
17	INSPECT ENGINE OIL TEMPERATURE SENSOR  • Inspect the engine oil temperature sensor. (See ENGINE OIL TEMPERATURE SENSOR INSPECTION [SKYACTIV-D 2.2].)  • Is there any malfunction?	Yes	Replace the engine oil temperature sensor/engine oil pressure sensor, then go to Step 27. (See ENGINE OIL TEMPERATURE SENSOR/ENGINE OIL PRESSURE SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.
18	INSPECT REFRIGERANT PRESSURE SENSOR  • Inspect the refrigerant pressure sensor. (See REFRIGERANT PRESSURE SENSOR INSPECTION [MANUAL AIR CONDITIONER].) (See REFRIGERANT PRESSURE SENSOR INSPECTION [FULL-AUTO AIR CONDITIONER].)  • Is there any malfunction?	Yes	Replace the refrigerant pressure sensor, then go to Step 27. (See REFRIGERANT PRESSURE SENSOR REMOVAL/INSTALLATION [MANUAL AIR CONDITIONER].) (See REFRIGERANT PRESSURE SENSOR REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER].)
		No	Go to the next step.
19	INSPECT ENGINE COMPRESSION • Inspect the engine compression. (See COMPRESSION INSPECTION [SKYACTIV-D 2.2].)	Yes	Go to Step 22.
	• Are compression pressures within specification?	No	Go to the next step.
	INSPECT FOR MALFUNCTION DUE TO DEVIATED	Yes	Go to the next step.
20	<ul> <li>VALVE TIMING</li> <li>Inspect the valve timing (timing chain installation condition). (See TIMING CHAIN</li> <li>REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)</li> <li>Is the valve timing normal?</li> </ul>	No	Adjust the valve timing to the correct timing, then go to Step 27. (See TIMING CHAIN REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	INSPECT FOR MALFUNCTION DUE TO INTERNAL ENGINE WEAR, DAMAGE • Inspect for the following engine internal parts:	Yes	Go to the next step.
21	<ul> <li>Cylinder</li> <li>Piston ring</li> <li>Intake valve</li> <li>Exhaust valve</li> <li>Such as cylinder head gasket</li> <li>Are all items normal?</li> </ul>	No	Repair or replace the malfunctioning part according to the inspection results then go to Step 27.
22	INSPECT DRIVE BELT  Inspect the drive belt. (See DRIVE BELT INSPECTION [SKYACTIV-D 2.2].)  Is there any malfunction?	Yes	Replace the drive belt, then go to Step 27. (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No	Go to the next step.