DTC P0096:00	IAT sensor No.2 circuit range/performance problem			
DETECTION CONDITION	<ul> <li>IAT sensor No.1 and IAT sensor No.2 are compared after the engine is started and correlation error occurs.</li> <li>Ignition switch on when 6 h or more has passed since the ignition was switched off.</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 in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the PCM.</li> <li>PENDING CODE is available 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	Not applicable			
POSSIBLE CAUSE	MAF sensor/IAT sensor No.1 connector or terminals malfunction     MAP sensor/IAT sensor No.2 connector or terminals malfunction     IAT sensor No.1 malfunction     IAT sensor No.2 malfunction     PCM connector or terminals malfunction     PCM malfunction			
SYSTEM WIRING DIAGRAM	Not applicable			

**Diagnostic Procedure** 

* Has the FREEZE FRAME DATA (Mode 2)/ snapshot data been recorded?  PURPOSE: VERIFY RELATED SERVICE INFORMATION AVAILABILITY     * Verify related Service Information availability.     * Is any related Service Information available?     * INSPECT MAF SENSOR/IAT SENSOR NO.1     * CONNECTOR CONDITION     * Switch the ignition off.     * Disconnect the MAF sensor/IAT sensor No.1     connector.     * Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     * Is there any malfunction?  INSPECT MAP SENSOR/IAT SENSOR NO.2     CONNECTOR CONDITION     * Disconnect the MAP sensor/IAT sensor No.2     connector.     * Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     * Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     * Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     * Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     * Inspect the IAT sensor No.1     (See INTAKE AIR TEMPERATURE (IAT)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     * Is there any malfunction?  Inspect the IAT sensor No.2     (See INTAKE AIR TEMPERATURE (IAT)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     * Inspect the IAT sensor No.2     (See INTAKE AIR TEMPERATURE (IAT)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  ** Inspect the IAT sensor No.2     (See INTAKE AIR TEMPERATURE (IAT)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0].  ** SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0].  ** SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0].  ** SENSOR INSPECTION [SK		iagnostic Procedure						
SNAPSHOT DATA HAS BEEN RECORDED  Has the FREEZE FRAME DATA (Mode 2)/ snapshot data been recorded?  PURPOSE: VERIFY RELATED SERVICE INFORMATION AVAILABILITY  Verify related Service Information availability. Is any related Service Information available?  INSPECT MAF SENSOR/IAT SENSOR NO.1 CONNECTOR CONDITION Switch the ignition off. Disconnect the MAF sensor/IAT sensor No.1 connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Inspect for poor connection (suc	STEP							
<ul> <li>Has the FREEZE FRAME DATA (Mode 2)/ snapshot data been recorded?</li> <li>PURPOSE: VERIFY RELATED SERVICE INFORMATION AVAILABILITY  • Verify related Service Information availability. • Is any related Service Information available?  3 INSPECT MAF SENSOR/IAT SENSOR NO.1 CONNECTOR CONDITION  • Switch the ignition off.  • Disconnect the MAF sensor/IAT sensor No.1 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?</li> <li>INSPECT MAP SENSOR/IAT SENSOR NO.2 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?</li> <li>Inspect TAT SENSOR NO.1 • Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.5].) • Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].) • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0]. SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0].  • SENSOR INSPECTION [SKYACTIV-G 2.0, S</li></ul>	1		Yes					
snapshot data been recorded?  PURPOSE: VERIFY RELATED SERVICE INFORMATION AVAILABILITY  • Verify related Service Information availability. • Is any related Service Information available?  3 INSPECT MAF SENSOR/IAT SENSOR NO.1 CONNECTOR CONDITION • Switch the ignition off. • Disconnect the MAF sensor/IAT sensor No.1 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  4 INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION • Disconnect the MAP sensor/IAT sensor No.2 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  5 INSPECT IAT SENSOR NO.1 • Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, S		SNAPSHOT DATA HAS BEEN RECORDED	No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data				
PURPOSE: VERIFY RELATED SERVICE INFORMATION AVAILABILITY  • Verify related Service Information availability. • Is any related Service Information available?  3 INSPECT MAF SENSOR/IAT SENSOR NO.1 CONNECTOR CONDITION  • Switch the ignition off. • Disconnector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  4 INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION • Disconnect the MAP sensor/IAT sensor No.2 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  5 INSPECT IAT SENSOR NO.1 • Inspect the IAT sensor No.1 (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) • Is there any malfunction?  6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 • Inspect the IAT sensor No.2. (See MAP) Sensor/IAT sensor No.2, then go to See No.2 (INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 (INTAKE AIR TEMPERAT		<ul> <li>Has the FREEZE FRAME DATA (Mode 2)/</li> </ul>		on the repair order, then go to the next step.				
INFORMATION AVAILABILITY   Verify related Service Information availability.   Is any related Service Information available?								
<ul> <li>Verify related Service Information availability.         <ul> <li>Is any related Service Information available?</li> </ul> </li> <li>INSPECT MAF SENSOR/IAT SENSOR NO.1</li></ul>	2	PURPOSE: VERIFY RELATED SERVICE	Yes					
- Is any related Service Information available?  3 INSPECT MAF SENSOR/IAT SENSOR NO.1 CONNECTOR CONDITION - Switch the ignition off Disconnect the MAF sensor/IAT sensor No.1 connector Inspect for poor connection (such as damaged/pulled-out pins, corrosion) Is there any malfunction?  4 INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION - Disconnect the MAP sensor/IAT sensor No.2 connector Inspect for poor connection (such as damaged/pulled-out pins, corrosion) Is there any malfunction? - Inspect for poor connection (such as damaged/pulled-out pins, corrosion) Is there any malfunction?  5 INSPECT IAT SENSOR NO.1 - Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) - Is there any malfunction?  6 INSPECT IAT SENSOR NO.2 - Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) - Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) - SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].) - SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].) - SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) - SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0] SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0].								
SINSPECT MAF SENSOR/IAT SENSOR NO.1 CONNECTOR CONDITION     Switch the ignition off.     Disconnect the MAF sensor/IAT sensor No.1 connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?     INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION     Disconnect the MAP sensor/IAT sensor No.2 connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?     Inspect IAT SENSOR NO.1     Inspect The IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     Inspect the IAT sensor No.2 (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTI				If the vehicle is not repaired, go to the next step.				
CONNECTOR CONDITION Switch the ignition off. Disconnect the MAF sensor/IAT sensor No.1 connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION Disconnect the MAP sensor/IAT sensor No.2 connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  INSPECT IAT SENSOR NO.1 (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is there any malfunction?  INSPECT IAT SENSOR NO.2 Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SK		<ul> <li>Is any related Service Information available?</li> </ul>	No					
Switch the ignition off.     Disconnect the MAF sensor/IAT sensor No.1 connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?      INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION     Disconnect the MAP sensor/IAT sensor No.2 connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?      INSPECT IAT SENSOR NO.1     Inspect the IAT sensor No.1.     (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     Is there any malfunction?      INSPECT IAT SENSOR NO.2     Inspect the IAT sensor No.2.     (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2	3	INSPECT MAF SENSOR/IAT SENSOR NO.1	Yes	Repair or replace the connector and/or terminals, then go to				
Disconnect the MAF sensor/IAT sensor No.1 connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?  INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION     Disconnect the MAP sensor/IAT sensor No.2 connector.     Inspect for poor connection (such as damaged/pulled-out pins, corrosion).     Is there any malfunction?  INSPECT IAT SENSOR NO.1     Inspect the IAT sensor No.1.     (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     Is there any malfunction?  INSPECT IAT SENSOR NO.2     Inspect the IAT sensor No.2.     (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     Inspect the IAT sensor No.2.     (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  INSPECT IAT SENSOR NO.2     Inspect the IAT sensor No.2.     (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0		CONNECTOR CONDITION		Step 8.				
connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  IINSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION Disconnect the MAP sensor/IAT sensor No.2 connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  IINSPECT IAT SENSOR NO.1 (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is there any malfunction?  IINSPECT IAT SENSOR NO.2 SKYACTIV-G 2.5]. Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTI		Switch the ignition off.	No	Go to the next step.				
<ul> <li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>Is there any malfunction?</li> <li>INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION</li> <li>Disconnect the MAP sensor/IAT sensor No.2 connector.</li> <li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.1</li> <li>Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.2</li> <li>Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2</li> <li>Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> </ul>		<ul> <li>Disconnect the MAF sensor/IAT sensor No.1</li> </ul>						
pulled-out pins, corrosion). • Is there any malfunction?  4 INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION • Disconnect the MAP sensor/IAT sensor No.2 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  5 INSPECT IAT SENSOR NO.1 • Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) • Is there any malfunction?  6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		connector.						
<ul> <li>Is there any malfunction?</li> <li>INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION <ul> <li>Disconnect the MAP sensor/IAT sensor No.2 connector.</li> <li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>Is there any malfunction?</li> </ul> </li> <li>INSPECT IAT SENSOR NO.1 <ul> <li>Inspect the IAT sensor No.1.</li> <li>(See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>Is there any malfunction?</li> </ul> </li> <li>Yes Replace the MAF sensor/IAT sensor No.1, then go to Si 8.  <ul> <li>(See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>No Go to the next step.</li> </ul> </li> <li>INSPECT IAT SENSOR NO.2 <ul> <li>Inspect the IAT sensor No.2.</li> <li>(See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SK</li></ul></li></ul>		<ul> <li>Inspect for poor connection (such as damaged/</li> </ul>						
4 INSPECT MAP SENSOR/IAT SENSOR NO.2 CONNECTOR CONDITION • Disconnect the MAP sensor/IAT sensor No.2 connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?  5 INSPECT IAT SENSOR NO.1 • Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) • Is there any malfunction?  6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  7 Explace the connector and/or terminals, then go Step 8.  8 Co to the next step.  8 Replace the MAF sensor/IAT sensor No.1, then go to Step MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.5].)  9 Replace the MAF sensor/IAT sensor No.1, then go to Step MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.5].)  9 Replace the MAF sensor/IAT sensor No.1, then go to Step MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.5].)  10 See MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.5].)  11 SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYA		pulled-out pins, corrosion).						
CONNECTOR CONDITION  Disconnect the MAP sensor/IAT sensor No.2 connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction?  INSPECT IAT SENSOR NO.1 Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is there any malfunction?  INSPECT IAT SENSOR NO.2 Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.5].) INSPECT IAT SENSOR NO.2 Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0		<ul><li>Is there any malfunction?</li></ul>						
<ul> <li>Disconnect the MAP sensor/IAT sensor No.2 connector.</li> <li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>Is there any malfunction?</li> <li>Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>Is there any malfunction?</li> <li>Is there any malfunction?</li> <li>Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0,</li></ul>	4	INSPECT MAP SENSOR/IAT SENSOR NO.2	Yes	Repair or replace the connector and/or terminals, then go to				
connector.  Inspect for poor connection (such as damaged/pulled-out pins, corrosion).  Inspect in the lat sensor No.1  (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Inspect the IAT sensor No.2  (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Inspect the IAT sensor No.2  (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV		CONNECTOR CONDITION		Step 8.				
<ul> <li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.1  Inspect the IAT sensor No.1.  (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.2  Inspect the IAT sensor No.2.  (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, S</li></ul>		<ul> <li>Disconnect the MAP sensor/IAT sensor No.2</li> </ul>	No	Go to the next step.				
pulled-out pins, corrosion). • Is there any malfunction?  5 INSPECT IAT SENSOR NO.1 • Inspect the IAT sensor No.1. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) • Is there any malfunction?  6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Figure 1  Yes Replace the MAF sensor/IAT sensor No.1, then go to Si 8. (See MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  No Go to the next step.  Yes Replace the MAF sensor/IAT sensor No.1, then go to Si 8. (See MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.5].)  Separation 1  SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, SKYACTIV-G 2.5].)								
<ul> <li>Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.1</li> <li>Inspect the IAT sensor No.1.</li> <li>(See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>Is there any malfunction?</li> <li>INSPECT IAT SENSOR NO.2 Inspect the IAT sensor No.2.</li> <li>(See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>No Go to the next step.</li> <li>Replace the MAP sensor/IAT sensor No.2, then go to Si 8.</li> <li>(See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> </ul>								
5 INSPECT IAT SENSOR NO.1  • Inspect the IAT sensor No.1.  (See INTAKE AIR TEMPERATURE (IAT)  SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • Is there any malfunction?  6 INSPECT IAT SENSOR NO.2  • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Yes Replace the MAF sensor/IAT sensor No.1, then go to Si 8. (See MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  No Go to the next step.  Yes Replace the MAF sensor/IAT sensor No.1, then go to Si 8. (See MASS AIR FLOW (MAF) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.5].)  No Go to the next step.  Yes Replace the MAF sensor/IAT sensor No.1, then go to Si 8. (See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR/  SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR/ NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,								
<ul> <li>Inspect the IAT sensor No.1.         (See INTAKE AIR TEMPERATURE (IAT)         SENSOR INSPECTION [SKYACTIV-G 2.0,         SKYACTIV-G 2.5].)         Is there any malfunction?         INSPECT IAT SENSOR NO.2         Inspect the IAT sensor No.2.         (See INTAKE AIR TEMPERATURE (IAT)         SENSOR INSPECTION [SKYACTIV-G 2.0,         SKYACTIV-G 2.0,</li></ul>								
(See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • Is there any malfunction?  INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  (See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  No Go to the next step.  Yes Replace the MAP sensor/IAT sensor No.2, then go to Si 8. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,	5		Yes	Replace the MAF sensor/IAT sensor No.1, then go to Step				
SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  • Is there any malfunction?  INSPECT IAT SENSOR NO.2  • Inspect the IAT sensor No.2.  (See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/ INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Possible to the next step.  Yes Replace the MAP sensor/IAT sensor No.2, then go to Si 8.  (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0, NO.2 REMOVAL/INSTALLATION [SKYAC								
SKYACTIV-G 2.5].)  • Is there any malfunction?  No Go to the next step.  1NSPECT IAT SENSOR NO.2  • Inspect the IAT sensor No.2.  (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  SKYACTIV-G 2.5].)  INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)				(See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR				
Is there any malfunction?  No Go to the next step.  INSPECT IAT SENSOR NO.2 Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  No Go to the next step.  Yes Replace the MAP sensor/IAT sensor No.2, then go to Si 8. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,								
6 INSPECT IAT SENSOR NO.2 • Inspect the IAT sensor No.2. (See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  Yes Replace the MAP sensor/IAT sensor No.2, then go to Si 8. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,								
Inspect the IAT sensor No.2.     (See INTAKE AIR TEMPERATURE (IAT)     SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)     (See MANIFOLD ABSOLUTE PRESSURE (MAP)     SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOF     NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,			No					
(See INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,	6		Yes	Replace the MAP sensor/IAT sensor No.2, then go to Step				
SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.0, NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,		•						
SKYACTIV-G 2.5].) NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,								
				SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR				
l s there any malfunction?		- /						
		<ul><li>Is there any malfunction?</li></ul>		SKYACTIV-G 2.5].)				
No Go to the next step.			No	Go to the next step.				

STEP	INSPECTION		ACTION
7	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector.		the next step.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).		
	Is there any malfunction?		
8	VERIFY DTC TROUBLESHOOTING	Yes	· · · · · · · · · · · · · · · · · · ·
	COMPLETED		If the malfunction recurs, replace the PCM.
	Always reconnect all disconnected connectors.		(See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0,
	Clear the DTC from the PCM memory using the		SKYACTIV-G 2.5].)
	M-MDS.		Go to the next step.
	(See AFTER REPAIR PROCEDURE	No	Go to the next step.
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Start the engine and run the engine under the		
	FREEZE FRAME DATA (Mode 2) condition.		
	Perform the Pending Trouble Code Access		
	Procedure.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Is the PENDING CODE for this DTC present?		
9	VERIFY AFTER REPAIR PROCEDURE	Yes	
	Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Are any DTCs present?		