

## NO SHIFTING [FW6A-EL, FW6AX-EL]

id050317101000

TROUBLESHOOTING ITEM	No shifting
DESCRIPTION	<ul style="list-style-type: none"> <li>• Single shift position only.</li> <li>• Sometimes shifts correctly.</li> </ul>
POSSIBLE CAUSE	<ol style="list-style-type: none"> <li>1. Signal malfunction <ul style="list-style-type: none"> <li>— APP sensor malfunction</li> <li>— BARO sensor malfunction</li> <li>— Brake switch malfunction</li> <li>— CKP sensor malfunction</li> <li>— IAT sensor No.1 malfunction</li> <li>— MAF sensor malfunction</li> </ul> </li> <li>2. Low-G (XY) sensor (built into SAS control module) malfunction</li> </ol> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• If a tire of a different diameter from the standard tire is installed, the TCM determines that the driving mode is the AAS mode, and may change to a different shift timing from the normal timing.</li> </ul>

### Diagnostic procedure

Diagnostic procedure			
STEP	INSPECTION	ACTION	
1	<b>INSPECT SIGNAL PARTS FOR MALFUNCTION</b> <ul style="list-style-type: none"><li>• Inspect the value at the following PCM PIDs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)<ul style="list-style-type: none"><li>— APP (APP sensor)</li><li>— BARO (BARO sensor)</li><li>— BOO (Brake switch)</li><li>— IAT (IAT sensor No.1)</li><li>— MAF (MAF sensor)</li><li>— RPM (CKP sensor)</li></ul></li><li>• Is there any malfunction?</li></ul>	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Go to the next step.
2	<b>VERIFY IF MALFUNCTION CAUSE IS LOW-G (XY) SENSOR</b> <ul style="list-style-type: none"><li>• Is there any malfunction?</li></ul>	Yes	Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	Symptom troubleshooting is completed.