

FREQUENT SHIFTING [FW6A-EL, FW6AX-EL]

id050317101300

TROUBLESHOOTING ITEM	Frequent shifting
DESCRIPTION	• Downshifting occurs suddenly even when accelerator pedal is depressed slightly in D position.
POSSIBLE CAUSE	1. Signal malfunction — APP sensor malfunction 2. Low-G (XY) sensor (built into SAS control module) malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	INSPECT SIGNAL PARTS FOR MALFUNCTION • Inspect the value at the following PCM PID using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) — APP (APP sensor) • Is there any malfunction?	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Go to the next step.
2	VERIFY IF MALFUNCTION CAUSE LOW-G (XY) SENSOR • Is there any malfunction?	Yes	Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	Symptom troubleshooting is completed.