

DOES NOT SHIFT TO 5GR OR 6GR [GW6A-EL, GW6AX-EL]

id050320101100

TROUBLESHOOTING ITEM	Does not shift to 5GR or 6GR
DESCRIPTION	<ul style="list-style-type: none"> Vehicle does not upshift from 4GR to 5GR or 5GR to 6GR even though vehicle speed is increased. At a vehicle speed range where the transaxle should shift up to 5GR and 6GR gears in D position based on the shift pattern, the transaxle does not shift to 5GR and 6GR gears by gradually releasing the accelerator pedal.
POSSIBLE CAUSE	<ol style="list-style-type: none"> Signal malfunction <ul style="list-style-type: none"> APP sensor malfunction BARO sensor malfunction CKP sensor malfunction IAT sensor No.1 malfunction MAF sensor malfunction Low-G (XY) sensor (built into SAS control module) malfunction <p>Note</p> <ul style="list-style-type: none"> 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.

Diagnostic procedure

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STEP	INSPECTION	ACTION	
1	INSPECT SIGNAL PARTS FOR MALFUNCTION <ul style="list-style-type: none">Inspect the value at the following PCM PIDs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)<ul style="list-style-type: none">APP (APP sensor)BARO (BARO sensor)IAT (IAT sensor No.1)MAF (MAF sensor)RPM (CKP 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 IS LOW-G (XY) SENSOR <ul style="list-style-type: none">Is there any malfunction?	Yes	Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	Symptom troubleshooting is completed.