

ABNORMAL SHIFTING [GW6A-EL, GW6AX-EL]

id050320101200

TROUBLESHOOTING ITEM	Abnormal shifting
DESCRIPTION	<ul style="list-style-type: none"> Shifts incorrectly (incorrect shift pattern).
POSSIBLE CAUSE	<ol style="list-style-type: none"> Signal malfunction <ul style="list-style-type: none"> APP sensor malfunction BARO sensor malfunction Brake switch malfunction CKP sensor malfunction ECT sensor No.1 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)BOO (Brake switch)ECT (ECT sensor No.1)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.