

ENGINE FLARES UP OR SLIPS WHEN UPSHIFTING OR DOWNSHIFTING [GW6A-EL, GW6AX-EL]

id050320101700

TROUBLESHOOTING ITEM	Engine flares up or slips when upshifting or downshifting
DESCRIPTION	<ul style="list-style-type: none">• When accelerator pedal is depressed, engine speed increases normally but vehicle speed increases slowly.• When accelerator pedal is depressed while driving, engine speed increases but vehicle speed does not.
POSSIBLE CAUSE	<ol style="list-style-type: none">1. Insufficient TCM learning2. Signal malfunction<ul style="list-style-type: none">— APP sensor malfunction— CKP sensor malfunction— MAF sensor malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY MALFUNCTION SYMPTOM <ul style="list-style-type: none">• Is the malfunction symptom at the same level compared to a vehicle of the same model?	Yes	Symptom troubleshooting is completed.
		No	Go to the next step.
2	PERFORM INITIAL LEARNING <ul style="list-style-type: none">• Perform the initial learning. (See INITIAL LEARNING [GW6A-EL, GW6AX-EL].)• Does the symptom disappear?	Yes	Symptom troubleshooting is completed.
		No	Go to the next step.
3	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)— MAF (MAF sensor)— RPM (CKP sensor)• Is there any malfunction?	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Symptom troubleshooting is completed.