

EXCESSIVE SHIFT SHOCK IS FELT WHEN UPSHIFTING AND DOWNSHIFTING [GW6A-EL, GW6AX-EL]

id050320102100

TROUBLESHOOTING ITEM	Excessive shift shock is felt when upshifting and downshifting
DESCRIPTION	<ul style="list-style-type: none"> Excessive shift shock is felt when depressing accelerator pedal to accelerate at upshifting. During cruising, excessive shift shock is felt when depressing accelerator pedal at downshifting.
POSSIBLE CAUSE	<ol style="list-style-type: none"> Insufficient TCM learning Signal malfunction <ul style="list-style-type: none"> APP sensor malfunction Poor installation or worn of engine mount, suspension

Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY MALFUNCTION SYMPTOM <ul style="list-style-type: none"> Is the malfunction symptom (shift shock/shifting time) 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	PERFORM ON-BOARD DIAGNOSTIC TO VERIFY HYDRAULIC PRESSURE SWITCH OPERATION PRESSURE <ul style="list-style-type: none"> Is the operation pressure normal? 	Yes	Go to the next step.
		No	Replace the control valve body. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
4	INSPECT SIGNAL PARTS FOR MALFUNCTION <ul style="list-style-type: none"> Inspect the value at the following PCM PID using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) — 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.
5	INSPECT ENGINE MOUNT/SUSPENSION FOR POOR TIGHTENING <ul style="list-style-type: none"> Is there any malfunction? 	Yes	Repair or replace any malfunctioning parts according to the inspection result. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [GW6A-EL, GW6AX-EL].)
		No	Symptom troubleshooting is completed.