

STARTER DOES NOT WORK [GW6A-EL, GW6AX-EL]

id050320102900

TROUBLESHOOTING ITEM	Starter does not work
DESCRIPTION	<ul style="list-style-type: none"> Starter does not work even when in P or N position.
POSSIBLE CAUSE	<ol style="list-style-type: none"> Wiring harness between TCM terminal J and PCM terminal 2A1 malfunction Wiring harness between TCM terminal J and start stop unit terminal 1F malfunction Wiring harness between start stop unit terminal 2H and LF control unit terminal K malfunction (Vehicle with advanced keyless entry system) Immobilizer system operating or system malfunction Engine control system malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	INSPECT WIRING HARNESS BETWEEN TCM AND PCM <ul style="list-style-type: none"> Switch the ignition off. Disconnect the PCM connector. Disconnect the TCM connector. Visually inspect for pin deformity, open circuit, or wiring harness non-insulation between TCM terminal J and PCM terminal 2A1. Is there any malfunction? 	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Vehicle without advanced keyless entry system: <ul style="list-style-type: none"> Go to step3. Vehicle with advanced keyless entry system: <ul style="list-style-type: none"> Go to the next step.
2	INSPECT WIRING HARNESS BETWEEN TCM AND START STOP UNIT <ul style="list-style-type: none"> Switch the ignition off. Disconnect the start stop unit connector. Disconnect the TCM connector. Visually inspect for pin deformity, open circuit, or wiring harness non-insulation between TCM terminal J and start stop unit terminal 1F Is there any malfunction? 	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Go to the next step.
3	INSPECT WIRING HARNESS BETWEEN START STOP UNIT AND LF CONTROL UNIT <ul style="list-style-type: none"> Switch the ignition off. Disconnect the start stop unit connector. Disconnect the LF control unit connector. Visually inspect for pin deformity, open circuit, or wiring harness non-insulation between start stop unit terminal 2H and LF control unit terminal K. Is there any malfunction? 	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Go to the next step.
4	INSPECT IMMOBILIZER SYSTEM AND ENGINE CONTROL SYSTEM FOR MALFUNCTION <ul style="list-style-type: none"> Perform the symptom troubleshooting "NO.9 WILL NOT CRANK". (See NO.9 WILL NOT CRANK [SKYACTIV-D 2.2].) Is there any malfunction? 	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Symptom troubleshooting is completed.