

## STARTER DOES NOT WORK [FW6A-EL, FW6AX-EL]

id050317102900

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

### Diagnostic procedure

STEP	INSPECTION		ACTION
1	<b>INSPECT WIRING HARNESS BETWEEN TCM AND PCM</b> <ul style="list-style-type: none"> <li>Switch the ignition off.</li> <li>Disconnect the PCM connector.</li> <li>Disconnect the TCM connector.</li> <li>Visually inspect for pin deformity, open circuit, or wiring harness non-insulation between TCM terminal J and PCM terminal 2BD.</li> <li>Is there any malfunction?</li> </ul>	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"> <li>Go to step3.</li> </ul> Vehicle with advanced keyless entry system: <ul style="list-style-type: none"> <li>Go to the next step.</li> </ul>
2	<b>INSPECT WIRING HARNESS BETWEEN TCM AND START STOP UNIT</b> <ul style="list-style-type: none"> <li>Switch the ignition off.</li> <li>Disconnect the start stop unit connector.</li> <li>Disconnect the TCM connector.</li> <li>Visually inspect for pin deformity, open circuit, or wiring harness non-insulation between TCM terminal J and start stop unit terminal 1F</li> <li>Is there any malfunction?</li> </ul>	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Go to the next step.
3	<b>INSPECT WIRING HARNESS BETWEEN START STOP UNIT AND LF CONTROL UNIT</b> <ul style="list-style-type: none"> <li>Switch the ignition off.</li> <li>Disconnect the start stop unit connector.</li> <li>Disconnect the LF control unit connector.</li> <li>Visually inspect for pin deformity, open circuit, or wiring harness non-insulation between start stop unit terminal 2H and LF control unit terminal K.</li> <li>Is there any malfunction?</li> </ul>	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Go to the next step.
4	<b>INSPECT IMMOBILIZER SYSTEM AND ENGINE CONTROL SYSTEM FOR MALFUNCTION</b> <ul style="list-style-type: none"> <li>Perform the symptom troubleshooting "NO.3 WILL NOT CRANK". (See NO.3 WILL NOT CRANK [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>Is there any malfunction?</li> </ul>	Yes	Repair or replace any malfunctioning parts according to the inspection result.
		No	Symptom troubleshooting is completed.