TRANSAXLE OVERHEATS [GW6A-EL, GW6AX-EL]

id050320102600

TROUBLESHOOTING ITEM	Transaxle overheats
DESCRIPTION	• Burnt smell emitted from the transaxle. • Smoke is emitted from the transaxle.
POSSIBLE CAUSE	1. Signal malfunction — APP sensor malfunction — Brake switch malfunction — CKP sensor malfunction — ECT sensor No.1 malfunction 2. ATF malfunction 3. Oil cooler malfunction 4. Control valve body malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	**INSPECT SIGNAL PARTS FOR MALFUNCTION** • Inspect the value at the following PCM PIDs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) — APP (APP sensor) — BOO (Brake switch) — ECT (ECT sensor No.1) — 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	**INSPECT ATF LEVEL** • Inspect the ATF level. (See AUTOMATIC TRANSAXLE FLUID (ATF) INSPECTION [GW6A-EL, GW6AX-EL].) • Is there any malfunction?	Yes	Adjust the ATF level to the specification. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
		No	Go to the next step.
3	**VISUALLY INSPECT OIL COOLER** • Visually inspect the oil cooler. • Is there any malfunction?	Yes	Repair or replace any malfunctioning parts according to the inspection result. (See OIL COOLER REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
		No	Go to the next step.

STEP	INSPECTION		ACTION
4	**VERIFY IF MALFUNCTION CAUSE IS CONTROL VALVE BODY** • Inspect the value at the following TCM PIDs using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR INSPECTION [GW6A-EL, GW6AX-EL].) — ECU_A — ECU_B — ECU_C — GEAR_SEL — LINEDES — OP_SW1 — OP_SW2 — OP_SW3 — OP_SW4 — OSS — SS1 — SS2 — SS3 — SS4 — SSLU — SSLU_PRES — SSP — SSP_PRES — TR — TSS — VSS • Is there any malfunction?	Yes	Replace the control valve body, then go to the next step. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
		No	Symptom troubleshooting is completed.