

NO.9 FAST IDLE/RUNS ON [ZJ, Z6]

B3E010318881W42

9	FAST IDLE/RUNS ON
DESCRIPTION	<ul style="list-style-type: none"> • The engine speed continues during at fast idle after warm-up. • The engine runs after the ignition switch is off.
POSSIBLE CAUSE	<ul style="list-style-type: none"> • ECT sensor malfunction • Air leakage from intake-air system • Throttle body malfunction • Accelerator cable free play misadjustment • Improper load signal input

Diagnostic procedure

STEP	INSPECTION	RESULTS	ACTION
1	Connect the WDS or equivalent to the DLC-2. Access ECT PID. Start and warm-up the engine to normal operating temperature. Is ECT PID between 82-112°C {180-234°F} ?	Yes	Go to the next step.
		No	ECT PID is more than 112°C {234°F}: Go to symptom troubleshooting "No.17 Cooling system concerns - Overheating". (See NO.17 COOLING SYSTEM CONCERNS-OVERHEATING [ZJ, Z6].) ECT PID is less than 82°C {180°F}: Go to symptom troubleshooting "No.18 Cooling system concerns - Runs cold". (See NO.18 COOLING SYSTEM CONCERNS-RUNS COLD [ZJ, Z6].)
2	Connect the WDS or equivalent to the DLC-2. Retrieve any continuous memory DTCs. Are there any DTCs displayed?	Yes	DTC is displayed: Go to the appropriate DTC inspection. (See DTC TABLE [ZJ, Z6].)
		No	No DTC is displayed: Go to the next step.
3	Connect the WDS or equivalent to the DLC-2. Access AC_REQ, CPP, CPP/PNP, TR and PSP PIDs. Monitor each PID.	Yes	Go to the next step.
		No	AC_REQ PID: Inspect the A/C switch, refrigerant pressure switch and fan switch. (See REFRIGERANT PRESSURE SWITCH INSPECTION.) CPP PID: Inspect the clutch pedal position switch (MTX). (See CLUTCH PEDAL POSITION (CPP) SWITCH INSPECTION [ZJ, Z6].) CPP/PNP PID:

	(See PCM INSPECTION [ZJ, Z6] .) Are PIDs normal?		Inspect the neutral switch (MTX). (See NEUTRAL SWITCH INSPECTION [ZJ, Z6] .) TR PID: Inspect the TR switch (ATX). (See TRANSAXLE RANGE (TR) SWITCH INSPECTION .) PSP PID: Inspect the PSP switch. (See POWER STEERING PRESSURE (PSP) SWITCH INSPECTION [ZJ, Z6] .)
4	Is there air leakage felt or heard at the intake-air system components while racing the engine to higher speed?	Yes	Repair or replace part if necessary.
		No	Verify accelerator cable free play. (See ACCELERATOR CABLE INSPECTION/ADJUSTMENT [ZJ, Z6] .)
5	Verify test results. • If normal, return to diagnostic index to service any additional symptoms. (See ENGINE SYMPTOM TROUBLESHOOTING [ZJ, Z6] .) • If malfunction remains, inspect related Service information perform repair or diagnosis. - If vehicle repaired, troubleshooting completed. - If vehicle not repaired or additional diagnostic information not available, replace the PCM. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [ZJ, Z6] .)		