

NO.20 NOISE OCCURS AT IDLE WHEN VEHICLE IS STOPPED IN ALL POSITIONS/RANGES

B3E050319090W24

20	Noise occurs at idle when vehicle is stopped in all positions/ranges
DESCRIPTION	<ul style="list-style-type: none"> Transaxle is noisy in all positions and ranges when the vehicle is idling.
POSSIBLE CAUSE	<ul style="list-style-type: none"> The malfunction is in the oil pump which causes a high-pitched noise to be emitted from the transaxle at idle. <p style="text-align: center;">Note</p> <ul style="list-style-type: none"> If a noise is emitted during shifting only, the malfunction is in shift solenoid D, E or shift solenoid A, B, C. If a noise is emitted during shifting at certain gears only or during deceleration only, it is gear noise. Before following the troubleshooting steps, make sure that the Automatic Transaxle On-Board Diagnostic and Automatic Transaxle Basic Inspection are conducted.

Diagnostic procedure

STEP	INSPECTION		ACTION
1	Inspect engine condition. Is there any engine concern (i. e. rough idle)?	Yes	Go to appropriate symptom troubleshooting. (See Section F.)
		No	Go to the next step.
2	Does the noise stop when the solenoid connector is disconnected?	Yes	Go to the next step.
		No	Overhaul the control valve body and repair or replace any malfunctioning parts. (See ATX workshop manual (FN4A-EL).) If any problem remains, overhaul the transaxle and repair or replace any malfunctioning parts. (See ATX workshop manual (FN4A-EL).)
3	Inspect the value at the following PCM PIDs using the WDS or equivalent. (See PCM INSPECTION [ZJ, Z6] .) (See PCM INSPECTION [LF] .) • TP • OSS • TSS Are the PID values normal?	Yes	Go to the next step.
		No	Repair or replace any malfunctioning parts.
4	Disconnect the PCM connector. Is the resistance between the ground terminal at the PCM connector and the body ground less than 5.0 ohms ?	Yes	Go to the next step.
		No	Repair the open ground circuit. Reconnect the PCM.
5	Inspect the LPS PID value. Is the LPS PID value normal? (See PCM INSPECTION [ZJ, Z6] .) (See PCM INSPECTION [LF] .)	Yes	Overhaul the control valve body and repair or replace any malfunctioning parts. (See ATX workshop manual (FN4A-EL).) If any problem remains, overhaul the transaxle and repair or replace any malfunctioning parts. (See ATX workshop manual (FN4A-EL).)
		No	Repair or replace any malfunctioning parts.
	• Verify the test results.		

6	<ul style="list-style-type: none">- If normal, return to the diagnostic index to service any additional symptoms.- If the malfunction remains, inspect the related Service information and perform repair or diagnosis.<ul style="list-style-type: none">• If the vehicle is repaired, troubleshooting is completed.• If the vehicle is not repaired or additional diagnostic information is not available, replace the PCM.
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