



SERVICE BULLETIN

Classification: EC96-009	Reference: NTB96-068	Date: July 31, 1996
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1995 MAXIMA SPARK KNOCK

APPLIED VEHICLE: 1995 Maxima (A32) with automatic transmission
Federal emissions only

SERVICE INFORMATION

Follow the procedure contained in this bulletin to diagnose and repair 1995 Maxima vehicles (automatic transmission/federal emissions only) if spark knock is heard especially when operating in high ambient temperature/low humidity conditions.

A countermeasure engine control module (ECM) has been developed to resolve this incident.

SERVICE PROCEDURE

1. Make sure the customer is using premium unleaded gasoline. If not, inform the customer that using premium gasoline will reduce the level of spark knock. Recommend that the customer begin using it and return the vehicle.
2. Confirm that the exhaust gas recirculation (EGR) system is operating normally as follows:
 - A. Connect CONSULT and drive the vehicle.
 - B. Use the CONSULT-'Data Monitor' mode to monitor the EGR temperature sensor (EGR Temp Sen) voltage and EGR control solenoid valve (EGRC SOL/V) during EGR operating conditions.
 - 1) When the EGR system is operating (EGR gas flowing), the EGRC SOL/V will be OFF and the EGR Temp Sen voltage should decrease to below 1.0 volts.
 - 2) The EGR system is not operating when the EGRC SOL/V is ON and the EGR Temp Sen voltage increases to above 1.0 volts.

IMPORTANT: The EGR system operates under cruise and light acceleration. The EGR system does not operate when the throttle is closed or under heavy acceleration.

If the EGR system is not operating correctly, use the service manual to troubleshoot the system.

3. If the customer is using premium unleaded gasoline and the EGR system is operating normally, replace the ECM (see Figure 1) with the appropriate countermeasure part listed in the Parts Information table on page 2.
Before replacing the ECM, see steps 1 through 4 of the PRECAUTIONS AND PREPARATION section, page EC-5 of the service manual.

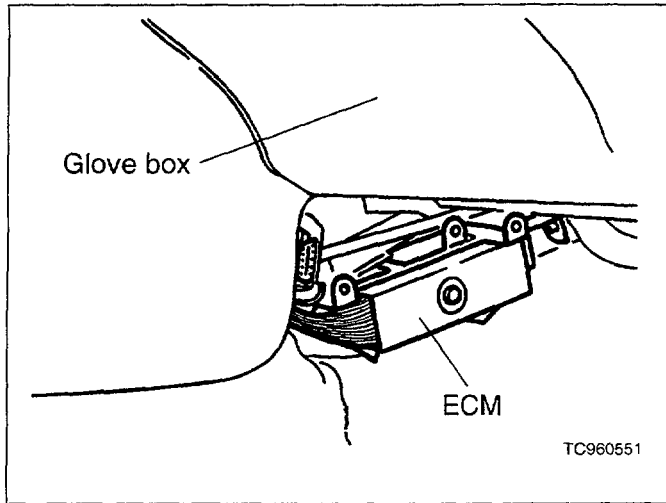


Figure 1

PARTS INFORMATION

DESCRIPTION	PART #/PFP	QUANTITY
ECM for GXE without Security & Convenience Package	23710-40U76	1
ECM for SE (all), GLE (all), GXE with Security & Convenience Package	23710-40U16	1

CLAIMS INFORMATION

Submit a Primary Failed Part (PFP) claim using the following coding:

OPERATION	OP CODE	SYM	DIAG	FRT	PFP
RPL EFI control unit (ECM)	DE28AA	AD	69	0.4 hrs.	23710-40U76 <u>or</u> 23710-40U16