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Bulletin No: 01-018/01

Last Issued: 11/1/2001

Subject:

MIL ILLUMINATION WITH P0171, P1170, LACK OF POWER, HESITATION

APPLICABLE MODEL(S)/VINs

All 1999-2000 Protege 1.6L with VINs lower than JM1 BJ222* *0 300996.

DESCRIPTION

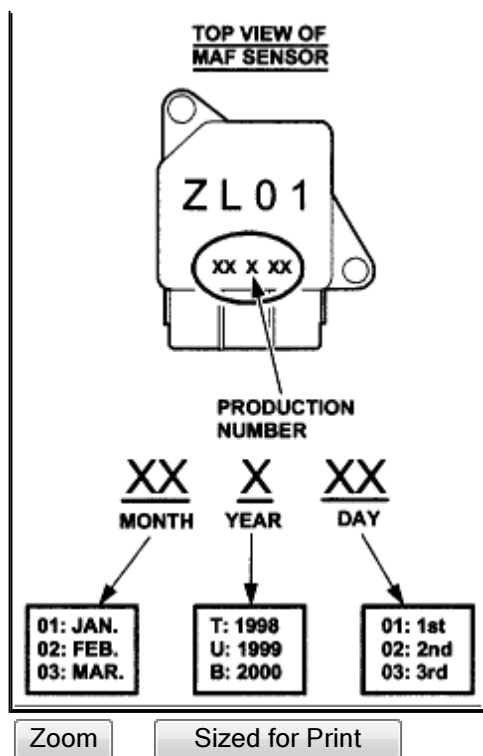
Some vehicles may exhibit MIL illumination with any of the following symptoms: DTC P0171, DTC P1170, Lack of power, Hesitation, Unstable idle. These conditions may be caused by contamination of the mass air flow sensor wires.

Customers having this concern should have their vehicle repaired using the following procedure.

REPAIR PROCEDURE

1. Verify customer concern.
2. Record DTC and Freeze Frame data.
3. Inspect intake system for vacuum leaks.
4. Identify production date on MAF sensor.





- If MAF sensor has a production date before 07B27 (July 27, 2000), proceed to STEP 5.
 - If MAF sensor has a production date on or after 07B27 (July 27, 2000), this Service Bulletin does not apply. Refer to Workshop Manual for further diagnostic procedures.
5. Clean surface surrounding MAF sensor.
 6. Replace MAF sensor.

Note: Make sure O-ring is correctly positioned on replacement MAF sensor before installation.

Caution:

- ^ Do not allow water to enter MAF sensor connector.
- ^ Handle replacement MAF sensor with care.

7. Inspect air cleaner and correct any unfiltered air leaks:
 - ^ Improperly positioned air cleaner element and/or deformed seal.
 - ^ Broken tabs, cracks and/or deformities of the air cleaner.
8. Disconnect negative battery cable or pull INJ fuse to erase and reset KAM (Keep Alive Memory).
9. Verify repair.



Part Number	Description	Qty.	Notes
ZL01-13-215	Airflow Sensor	1	---

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PART(S) INFORMATION

WARRANTY INFORMATION

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	SEE PART(S) INFORMATION
Quantity	1
Operation Number / Labor Hours	XX305XRX / 0.5

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Note: This information applies to verified customer complaints on vehicles covered under normal warranty. Refer to the SRT microfiche for warranty term information.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools / equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Consumers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, consumers should contact their nearest authorized Mazda dealership.

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