

Service Bulletin

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mazda

Category U	Applicable Model/s 1988-89 626/MX-6	Subject CONTINUOUS A/C COMPRESSOR ENGAGEMENT	Bulletin No. 002/90 Issued 4/23/90 Revised
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DESCRIPTION

If the A/C compressor is engaged all the time -- even when the A/C and blower switches are OFF -- the ground circuit in the E.G.I. control unit may have been damaged by a surge current from the magnetic clutch or the cooling fan motor.

Continuous A/C compressor operation may cause evaporator freeze-up. Depending on the weather, it might take 30-60 minutes to freeze-up.

Although the surge current caused the E.C.U. damage, it has been found that the root of the cause is a faulty transistor installed in some control units.

TEST PROCEDURE

- Connect the engine signal monitor (49 9200 162) and the adaptor harness (49 9200 163).
- Set the selector switch and monitor switch to "1F."
- Check the voltage at idle with the blower switch ON.

With the A/C switch ON, voltage should be below 2.5V.

With the A/C switch OFF, voltage should be 12V.

- If voltage readings are OK, the problem is in another component.

VIN OF PRODUCTION CHANGE

JM1GD★ ★ ★ ★ L1800000 (1990 Model)

1YVGD★ ★ ★ ★ L5100000 (1990 Model)

IMPORTANT Service and Parts Managers should read this bulletin carefully, sign and convey all information to those concerned.

Signature _____

Service Manager

Signature _____

Parts Manager

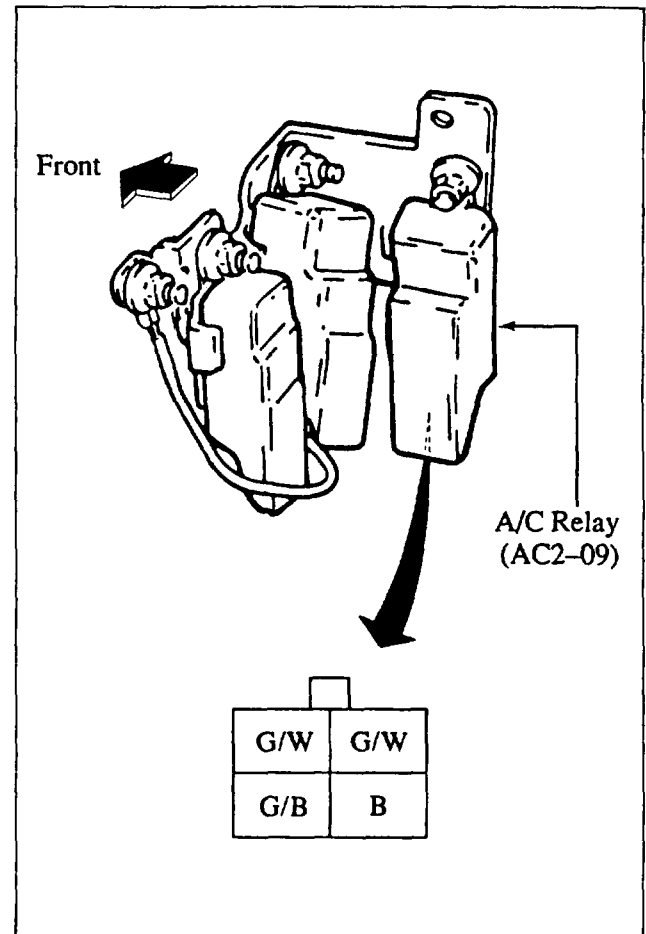
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REPAIR PROCEDURE

If the "1F" voltage was incorrect, the E.C.U. has an internal failure. Replace the E.C.U. and the A/C relay (AC2-09).

Since the E.C.U. has not been modified, the A/C relay (AC2-09) should be replaced with a new, resistance-type relay. Used in the 1990 626/MX-6 models, the resistance-type relay prevents the surge current from flowing into the control unit.

The A/C relay (AC2-09) is located below the right headlamp. There are three relays in one place. Locate the A/C relay by referring to the wire colors illustrated.



PARTS INFORMATION

PART NUMBER		DESCRIPTION
NEW	OLD	
H310 67 740	FB11 67 740	A/C Relay

WARRANTY INFORMATION

Warranty Type Code:	A
Customer Comment Code:	60
Damage Code:	9W
Part No. of Main Cause:	Use E.G.I. Control Unit Part No. (see attached charts)
Quantity:	1 pc.
Operation No:	E.G.I Control Unit R&R - F0812X-R-X (0.4 Hr.) A/C Relay R&R - U0601X-R-X (0.3 Hr.)

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626/MX-6 Turbo Models

Remanufactured EGI Control Unit	Application	Replaces New EGI Control Unit
F220 18 881R	88-89 626/MX-6 Turbo FED, A/T & M/T, 2WS	F220 18 880G
F222 18 881R	88-89 626/MX-6 Turbo CA, A/T & M/T, 2WS	F222 18 880J
F225 18 881R	88-89 626/MX-6 Turbo FED, 4WS	F225 18 880B
F226 18 881R	88-89 626/MX-6 Turbo CA, 4WS	F226 18 880B

626/MX-6 Non-Turbo Models

Remanufactured EGI Control Unit	Application	Replaces New EGI Control Unit
F201 18 881R	88 626/MX-6 Non-Turbo FED, A/T & M/T Also 89 626/MX-6 Non-Turbo FED, M/T Up to: JM1GD★★★★-K1737082 1YVGD★★★★-K5223617	F201 18 880L
ZPA1 18 881R	89 626/MX-6 Non-Turbo FED, M/T From: JM1GD★★★★-K1737083 1YVGD★★★★-K5223618	F201 18 880M
F203 18 881R	88 626/MX-6 Non-Turbo CA, A/T & M/T Also 89 626/MX-6 Non-Turbo CA, M/T Up to: JM1GD★★★★-K1737082 1YVGD★★★★-K5223617	F203 18 880L
ZPA3 18 881R	89 626/MX-6 Non-Turbo CA, M/T From: JM1GD★★★★-K1737083 1YVGD★★★★-K5223618	F203 18 880M
F204 18 881R	89 626/MX-6 Non-Turbo CA, A/T Up to: JM1GD★★★★-K1737083 1YVGD★★★★-K5223617	F204 18 880A
ZPA4 18 881R	89 626/MX-6 Non-Turbo CA, A/T From: JM1GD★★★★-K1737082 1YVGD★★★★-K5223618	F204 18 880B
F262 18 881R	89 626/MX-6 Non-Turbo FED, A/T Up to: JM1GD★★★★-K1737082 1YVGD★★★★-K5223617	F206 18 880A
ZPA2 18 881R	89 626/MX-6 Non-Turbo FED, A/T From: JM1GD★★★★-K1737083 1YVGD★★★★-K5223618	F206 18 880B