

Section 09	Applicable Model/s All 1998-2001 Models	Subject KEYLESS REMOTE TRANSMITTER BATTERY INSPECTION PROCEDURE	Bulletin No. 010/00R
			Issued 10/04/00
			Revised 12/14/00

BULLETIN NOTE:

- This bulletin supersedes bulletin 09-010/00R, issued 11/29/00. The WARRANTY INFORMATION has been revised.

APPLICABLE MODEL(S)/VINS

All 1998-2001 models.

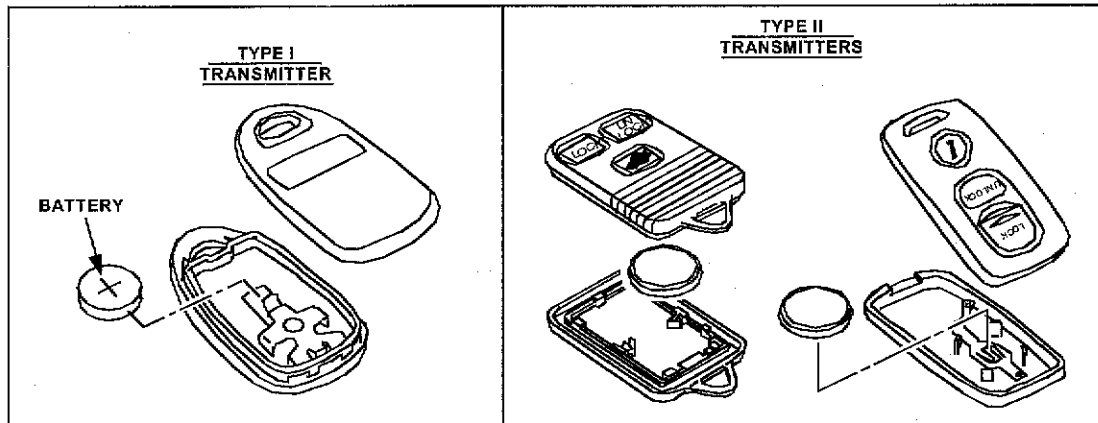
DESCRIPTION

Some vehicles are not able to be opened with the keyless remote transmitter. This may be caused by a defective transmitter, receiver or a weak transmitter battery.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Determine whether transmitter is a TYPE I or TYPE II. Refer the the following illustrations and proceed to the applicable inspection procedure.



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.

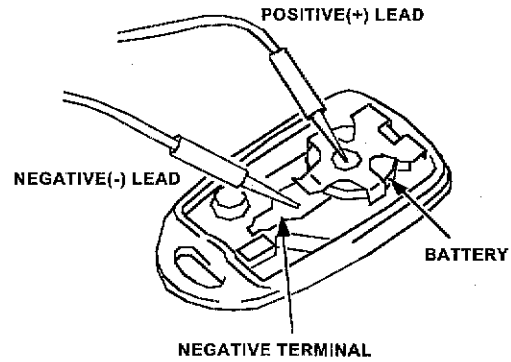
Type I Transmitter Battery Inspection Procedure

- A. Unsnap and remove transmitter cover.
- B. Using a voltmeter, connect the positive lead to the positive terminal of the transmitter and the negative lead to the negative terminal.

Note

- Battery retainer (holder) may vary by model.

- C. Set voltmeter to VDC. If equipped, press MIN/MAX to record the test.
- D. Push any button on the transmitter **ten (10) times**, in intervals of one(1) second and record the minimum voltage **before** removing test leads from battery.
- E. Compare the minimum voltage in STEP D to a base voltage of 2.7 V.
 - If voltage is less than 2.7 volts, replace the battery.
 - If voltage is greater than 2.7 V, and keyless entry system still does not operate, the transmitter may be malfunctioning and will require the following inspection:
 - 1) Acquire a working transmitter.
 - 2) Place suspect battery in working transmitter.
 - 3) Repeat STEPS B - E.
 - If voltage is **NOT** as specified, replace the battery.
 - If voltage **IS** as specified, replace the suspect transmitter.
- F. Proceed to next step.



NOTE: BATTERY RETAINER (HOLDER) MAY VARY BY MODEL.

Type II Transmitter Battery Inspection Procedure

- A. Push any button of transmitter **five(5) times** in one(1) second intervals.
- B. Unsnap and remove transmitter cover.
- C. Remove battery from transmitter cover. Refer to Workshop Manual (section 09-14 SECURITY AND LOCKS).
- D. Wait approximately one(1) minute after the last time the button was pushed and measure and record the battery voltage.
- E. Compare the minimum voltage from STEP D to the base voltage of 2.7 V.
 - If voltage is less than 2.7 V, replace battery.
 - If voltage is greater than 2.7 V, and keyless entry system still does not operate, the transmitter may be malfunctioning and will require the following inspection:
 - 1) Acquire a working transmitter.
 - 2) Place suspect battery in working transmitter.
 - 3) Repeat STEPS B - E.
 - If voltage is **NOT** as specified, replace the battery.
 - If voltage **IS** as specified, replace the suspect transmitter.
- F. Proceed to next step.

3. Verify repair.

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PART(S) INFORMATION

Note

- Transmitters as not available for 1998 Protege and 1999-00 Miata as OEM or Accessory.

Part Number	Description	Qty.	Notes
BJ0E-67-5DY	Transmitter	1	1999-00 Protege
GD7D-67-5DYA	Transmitter	1	1998-01 626
TC86-67-5RYB	Transmitter	1	2001 Miata
ZZP0-67-5D1	Transmitter	1	1998-01 B-Series
LB86-67-5DY	Transmitter	1	1998 MPV
LC62-67-5RY	Transmitter	1	2000-01 MPV
TA17-67-5DYA	Transmitter	1	1998-00 Millenia
TC86-67-5RYB	Transmitter	1	2001 Millenia
EC01-67-5DY	Transmitter	1	2001 Tribute
5555-00-014A	Battery	0	See note under WARRANTY INFORMATION

WARRANTY INFORMATION

Note

- This information applies to verified customer complaints on vehicles covered under normal warranty. Refer to the SRT microfiche for warranty term information.
- **Battery claims for all models and years, use part number 5555-00-014A, and quantity 0. Enter cost of the transmitter battery in sublet, code X.**

Warranty Type	A
Symptom Code	92
Damage Code	9E
Part Number Main Cause	See PART(S) INFORMATION
Quantity	0 (battery) OR 1 (transmitter)
Operation Number / Labor Hours	S1038XRX / 0.2 battery (R&R all models EXCEPT B-Series) S1036CRX / 0.2 transmitter (R&R all models EXCEPT B-Series) YY230XRX / 0.2 battery (R&R ONLY B-Series) YY231CRX / 0.2 transmitter (R&R ONLY B-Series)