



<b>Subject:</b>  TILT STEERING WHEEL INOPERATIVE	<b>Bulletin No:</b> 06-001/01R1
	<b>Last Issued:</b> 11/1/2001

## BULLETIN NOTE

- This bulletin supersedes 06-001/01R, issued on 10/4/2001. The APPLICABLE MODEL(S)/VINS section of this bulletin has been revised.

## APPLICABLE MODEL(S)/VINS

All 1997- 2002 Millenia.

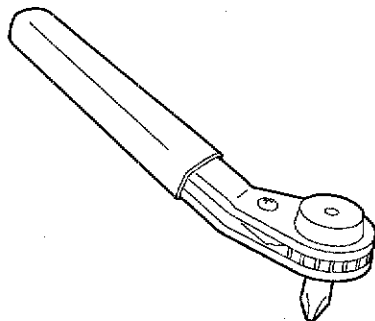
## DESCRIPTION

Some vehicles may exhibit inoperative tilt steering when the key is inserted and/or removed from the ignition. Customers having this concern should have their vehicle repaired using the following procedure.

## REPAIR PROCEDURE

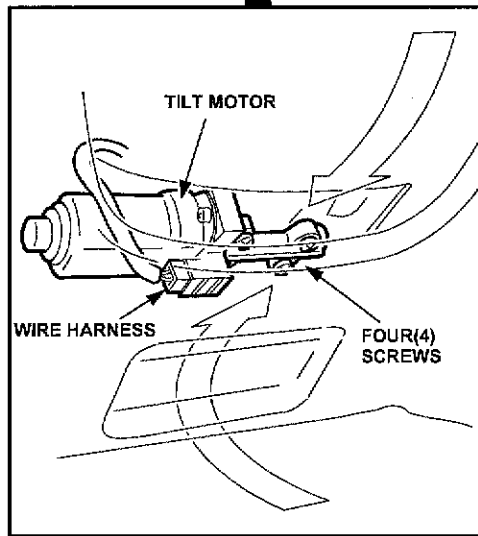
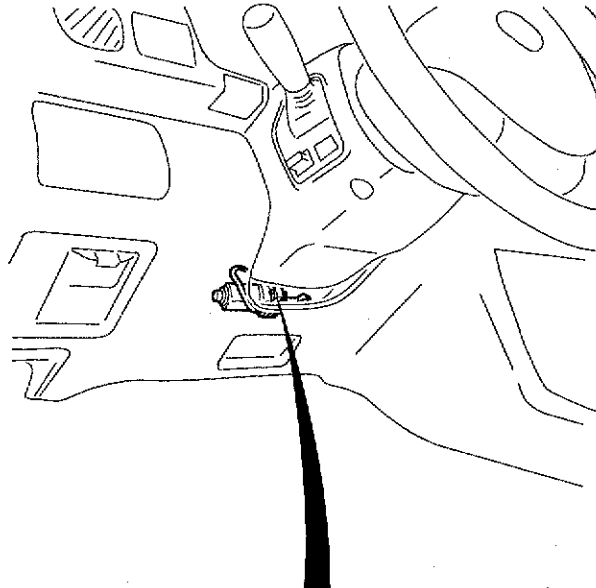
1. Verify customer concern.  
**Note:** Be sure the auto button on tilt switch is pushed in.
2. Disconnect any aftermarket installed accessories that may interfere with tilt operation.
3. Verify tilt operation.
  - If tilt operation is still inoperative, proceed to STEP 4.
  - If tilt operation is now functional, return vehicle to customer.
4. Perform TILT RELAY INSPECTION according to section 06-15 of the Workshop Manual.
  - If tilt relay fails continuity inspection, replace relay and proceed to STEP 12.
  - If tilt relay passes inspection, proceed to STEP 5.
5. Remove tilt motor using the following steps:
  - A. Record radio presets.
  - B. Disconnect negative battery cable.
  - C. Working from under the lower dash panel, use a small angled ratchet with a phillips tip (Craftsman #41717 or equivalent) to remove four (4) screws from tilt motor.

**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." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership.



**Note:** If screws can not be loosened, use needle-nose type vise-grips to break screws loose.

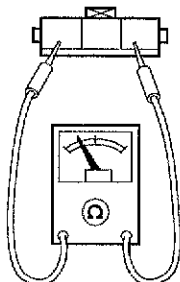
- D. Disconnect tilt motor connector.
- E. Remove tilt motor.



6. Perform tilt motor inspection using the following steps.

A. Inspect for continuity between the tilt motor terminals as shown in the following illustration.

**TILT MOTOR CONNECTOR**  
**(MOTOR SIDE)**



- If there is no continuity, proceed to STEP 7.
  - If there is continuity, refer to DIAGNOSIS CHART in section 06-15 of the Workshop Manual for troubleshooting information.
7. Install new tilt motor using supplied screws.
- Note:** Make sure that new tilt motor fits flush on mounting surface. If motor does not fit flush, turn motor gear slightly by applying battery voltage to either terminal.
8. Reconnect tilt motor wire harness.
9. Tighten new tilt motor mounting screws.
- Tightening torque:**
- 2.5 Nm, 25.5 kgf cm, 22.2 in. lbf.
10. Reconnect negative battery cable.
11. Program radio presets.
12. Verify repair.

## PART(S) INFORMATION

Part Number	Description	Qty.	Notes
TC44-32-J10	Tilt Motor	1	—
TC44-32-9YX	Tilt Motor Harness	1	Only replace harness if damaged.

## WARRANTY INFORMATION

Warranty Type	A
Symptom Code	66
Damage Code	9W

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Part Number Main Cause	See PART(S) INFORMATION
Quantity	1
Operation Number / Labor Hours	XX288XR1 / 1.0 diagnostic time (Maximum) XX288XR2 / 0.5 replace motor