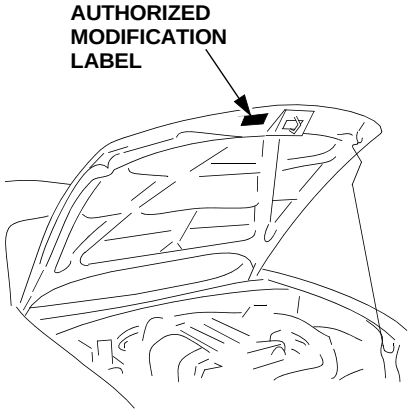
PARTS REQUIRED

- **Heat Insulator Kit (Y6Y0 22 100) Includes:**
  - Heat Insulator
  - Two (2) Bolts

A. VEHICLE INSPECTION PROCEDURE

1. Verify that the vehicle is within the VIN range JM1FE17**40 100053 - 116133.
   - If the vehicle is within the above range, proceed to step 2.
   - If the vehicle is not within the above range, return the vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for an Authorized Modification Label **RECALL 1704B** attached to the vehicle's hood or bulkhead. Refer to illustration below.

   NOTE: Be sure to verify RECALL number as the vehicle may have multiple RECALL labels.

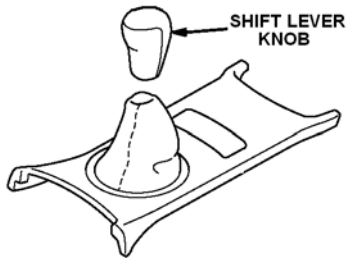


- If eMDCS displays **RECALL 1704B OPEN** and an Authorized Modification Label is **not present**, the RECALL has not been performed. Proceed to "B. REPAIR PROCEDURE".
- If eMDCS displays **RECALL 1704B OPEN** and an Authorized Modification Label is **present**, contact the Mazda Corporate Dealer Assistance Group at (877) 727-6626. They will update the vehicle history.
- If eMDCS displays **RECALL 1704B CLOSED** and an Authorized Modification Label is **not present**, proceed to "C. AUTHORIZED MODIFICATION LABEL INSTALLATION".
- If eMDCS displays **RECALL 1704B CLOSED** and an Authorized Modification Label is **present**, the RECALL has already been completed. Return the vehicle to inventory or the customer.
- If eMDCS does not display **RECALL 1704B OPEN** or **RECALL 1704B CLOSED**, this RECALL does not apply to the vehicle. Return vehicle to inventory or the customer.

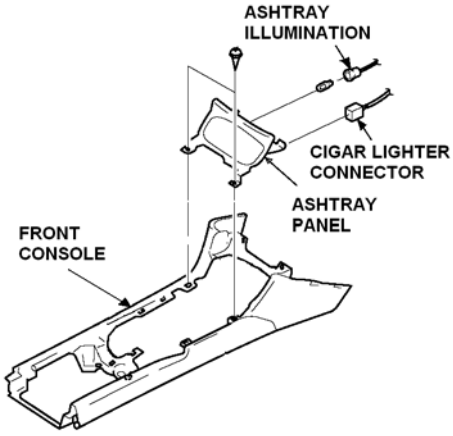
B. REPAIR PROCEDURE

1. Remove the shift lever knob and the console panel. Disconnect heated seat switch and navigation controller connectors (if equipped).

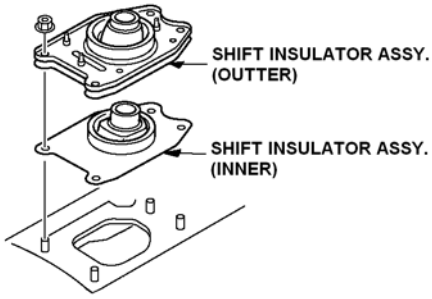
   CAUTION: Use a flat-tipped (-) screwdriver covered by tape to remove the console panel. Be careful not to damage the console panel when removing.



2. Remove the screws and ashtray panel. Disconnect the cigar lighter and ashtray illumination connectors from the front console.

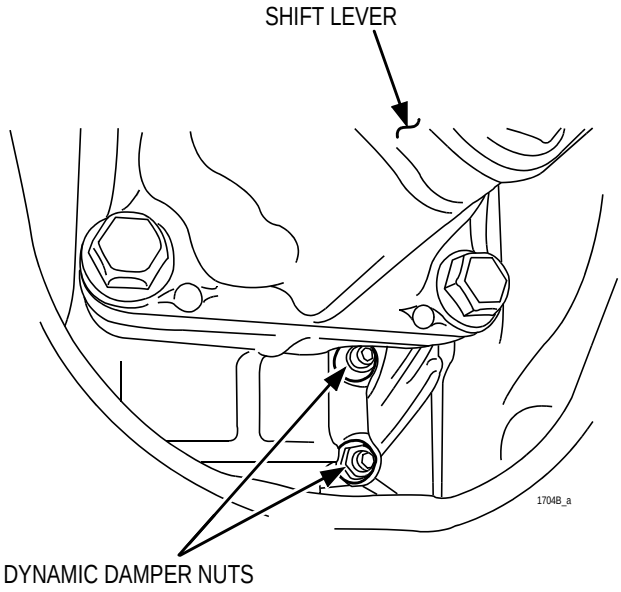


3. Loosen and remove four (4) nuts of the shift insulator assembly (Outer).
4. Remove the shift insulator assembly (Outer).
5. Remove the shift insulator assembly (Inner).



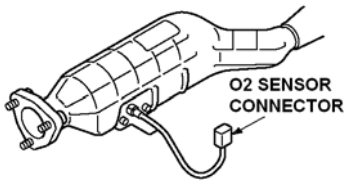
6. Loosen the dynamic damper nuts from the opening for the shift lever. Lift up the vehicle and remove the nuts from the bottom of the vehicle.

NOTE: The nuts will be reused later in step 14.

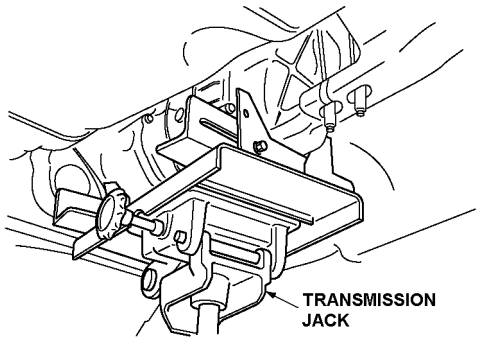


7. Disconnect the O2 sensor connector.

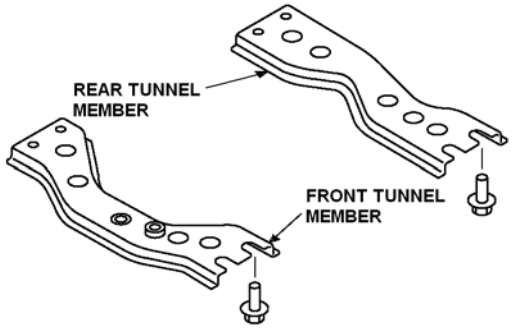
   WARNING: Use care not to come in contact with hot exhaust pipe as injury can occur.



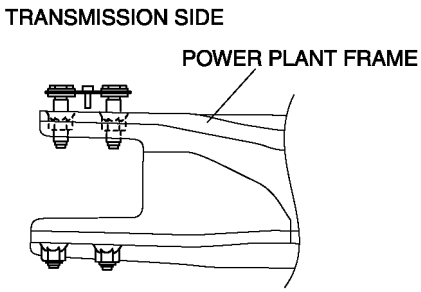
8. Support the transmission using a transmission jack.



9. Remove the front tunnel member and the rear tunnel member.

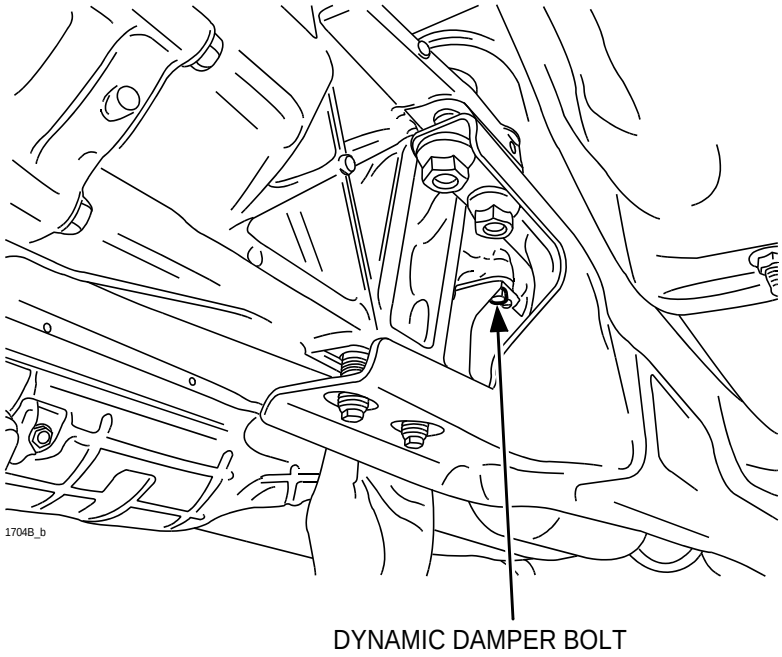


10. Remove four (4) power plant frame nuts (transmission side). Carefully lower power plant frame.



11. Loosen and remove the dynamic damper bolt from the space of the power plant frame. Remove the dynamic damper.

    NOTE: The bolt will be reused later in step 13.

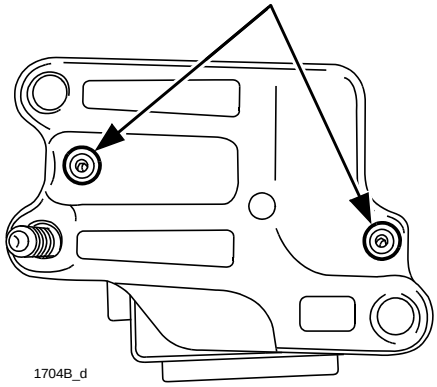


12. Remove two (2) rivets of the dynamic damper heat insulator with a 5.5mm (7/32”) drill bit. Remove the dynamic damper from the heat insulator.

    NOTE: Remove the top of the rivets with a rivet drill and the bottom of the rivets with the minus (-) screw driver.

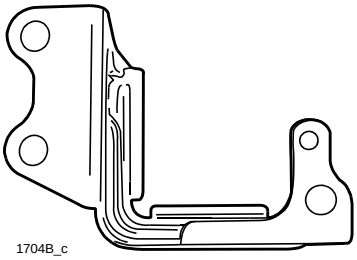
NOTE: After removing the dynamic damper heat insulator:
- Discard the old heat insulator.
- Reuse the dynamic damper and attach **modified** heat insulator.

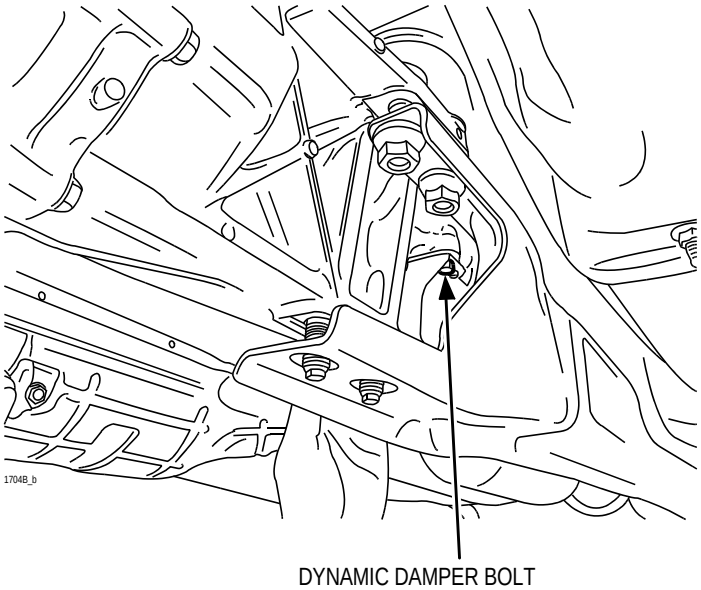
TOP OF RIVETS



13. Reinstall the dynamic damper and **modified** heat insulator. Install on the power plant frame side with single (1) bolt removed in Step 11.
Tightening torque: 19-25 N.m (14-18 lb-ft).

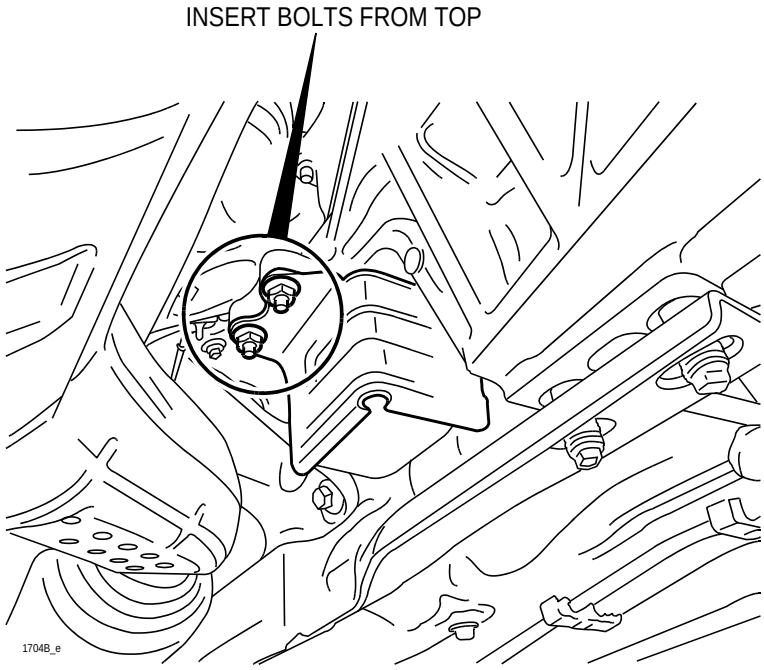
MODIFIED HEAT INSULATOR



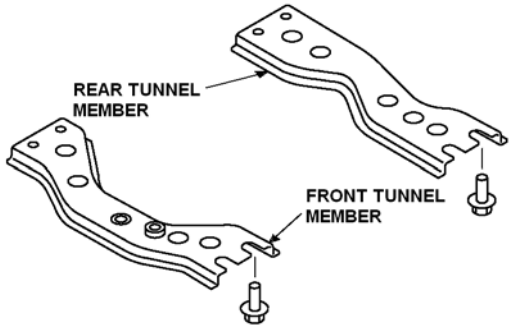


14. Install the two (2) bolts in the parts kit and the dynamic damper nuts removed in step 6.

NOTE: Insert the bolts from the top and tighten using the nuts from the bottom.
Tightening torque: 19-25 N.m (14-18 lb-ft).



15. Install the power plant frame temporarily. Install the front tunnel member and rear tunnel member.
Tightening torque (front tunnel member): 18.6-25.5 N.m (13.7-18.8 lb-ft).
Tightening torque (rear tunnel member): 17.6-26.4 N.m (13.0-19.4 lb-ft).

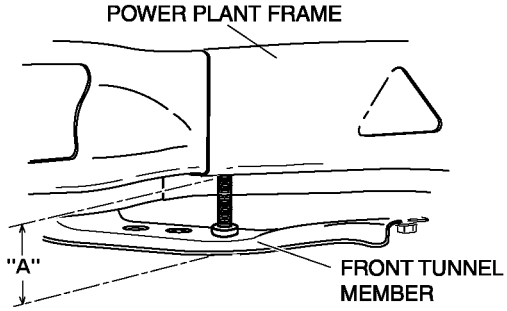


16. Raise the front end of the power plant frame (transmission side) with the transmission jack and adjust dimension “A” to 55-57 mm (2.16-2.24 inches) (lower end of power plant frame-to-lower end of the front tunnel member) as shown in the figure.

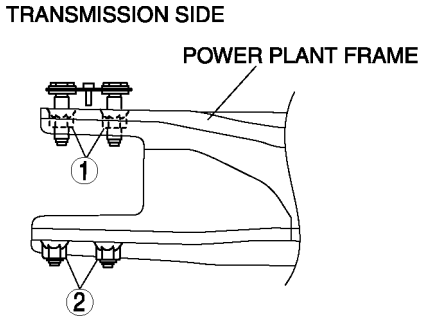
NOTE:

- To adjust the dimension easily, before lifting up the transmission, insert a 55-57 mm (2.16-2.24 inches) rod into hole in front tunnel member or measure 55-57 mm (2.16-2.24 inches) using a ruler from the bottom of the front tunnel member to the power plant frame. Then, raise or lower the transmission as necessary to achieve the required dimension.
- When you do not use a transmission jack, use a bolt (M12 X 1.25, Under-head size 55mm or more). Attach tape to protect the bottom of the power plant frame. Tighten the bolt from the bottom of the front tunnel. Tighten the bolt from the bottom of the front tunnel member and lift up the

power plant frame.



Tighten four (4) nuts of the power plant frame in the order indicated below (1), (2). Recheck dimension “A” and adjust
Tightening torque: 126.0-154.0 N.m (93-113 lb-ft).



17. Reinstall the O2 sensor connector.
18. Reinstall the shift insulator assembly (Inner).
19. Reinstall the shift insulator assembly (Outer).
20. Reinstall the four (4) nuts for the shift insulator assembly (Outer).
    Tightening torque: 8.9-12.7 N.m (79-112 lb-in).
21. Reinstall the harness anchors.
22. Reconnect the ashtray illumination and cigar lighter connectors. Reinstall ashtray panel and screws.
23. Reconnect the heated seat switch and navigation controller connectors (if equipped). Reinstall the console plate and the shift lever knob.

C. AUTHORIZED MODIFICATION LABEL INSTALLATION

Complete an “Authorized Modification Label” with the RECALL number, dealer code and date written on the sticker and affix it to the underside of the hood. Refer back to the illustration under “A. VEHICLE INSPECTION PROCEDURE”.