

2004 Toyota RAV4
2004 ACCESSORIES & EQUIPMENT Instrument Panel - RAV4

2004 ACCESSORIES & EQUIPMENT

Instrument Panel - RAV4

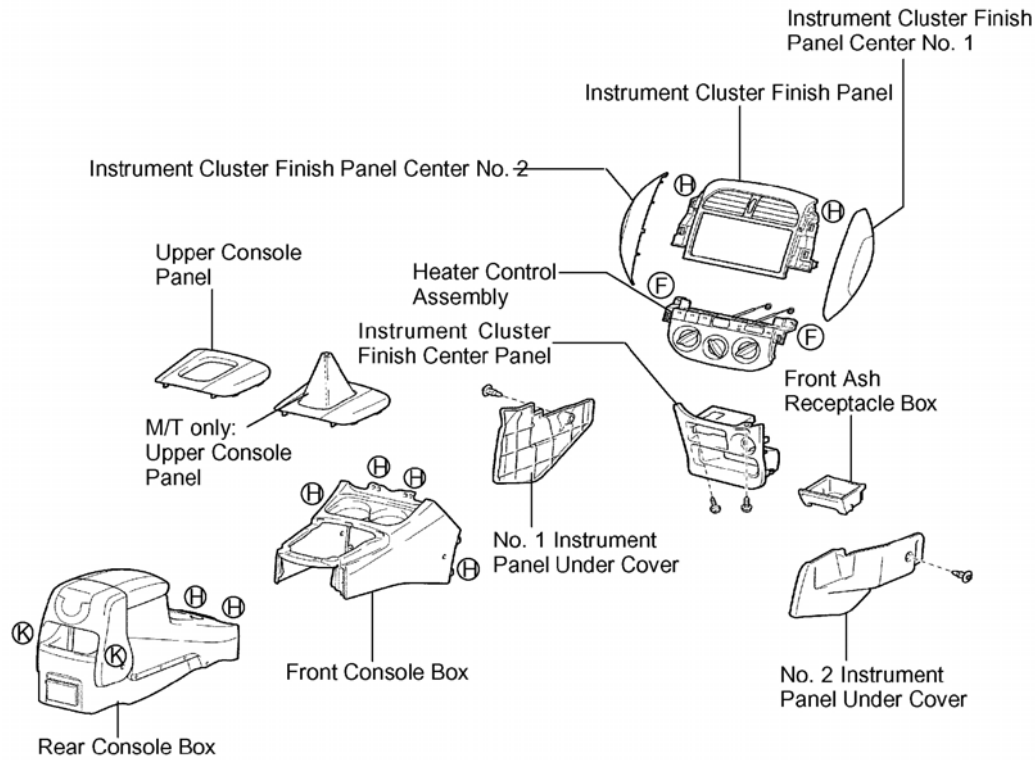
COMPONENTS

Fig. 1: Locating Instrument Panel Components (1 Of 3)

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Fig. 2: Locating Instrument Panel Components (2 Of 3)
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Fig. 3: Locating Instrument Panel Components (3 Of 3)
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HINT:

Screw shapes and sizes are indicated in the table below. The codes (A to M) correspond to those indicated in **Fig. 1** , **Fig. 2** and **Fig. 3** .

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mm (in.)								
	Shape	Size		Shape	Size		Shape	Size
Ⓐ		ø = 6 (0.24)	Ⓑ		ø = 6 (0.24) L = 20 (0.79)	Ⓒ		ø = 6 (0.24) L = 16 (0.63)
Ⓓ		ø = 8 (0.32)	Ⓔ		ø = 8 (0.32) L = 20 (0.79)	Ⓕ		ø = 5 (0.20) L = 14 (0.55)
Ⓖ		ø = 5 (0.20) L = 16 (0.63)	Ⓗ		ø = 5 (0.20) L = 14 (0.55)	Ⓖ		
Ⓙ		ø = 6 (0.24) L = 22 (0.87)	Ⓚ		ø = 6 (0.24) L = 16 (0.63)	Ⓛ		ø = 8 (0.32) L = 18 (0.71)
Ⓜ		ø = 8 (0.32) L = 18 (0.71)						

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Fig. 4: Identifying Nuts And Bolts Size Chart

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

CAUTION: Work must be started at least 90 seconds after the ignition switch is turned into the LOCK position and the negative (-) terminal cable is disconnected from the battery. The SRS is equipped with a back-up power source. If work is started within 90 seconds from disconnecting the negative (-) terminal cable of the battery, the SRS may be deployed.

HINT:

A bolt without a torque specification is shown in the standard bolt chart. (See **SPECIFIED TORQUE FOR STANDARD BOLTS**)

1. REMOVE STEERING WHEEL PAD AND STEERING WHEEL (See **REMOVAL**)
2. REMOVE DOOR SCUFF PLATE

3. **REMOVE COWL SIDE TRIM**
4. **REMOVE NO. 1 SWITCH HOLE BASE**
5. **REMOVE LOWER INSTRUMENT PANEL FINISH PANEL**
 - a. Remove the 3 screws and disconnect the connector.
 - b. Using a screwdriver, pry out the lower finish panel.

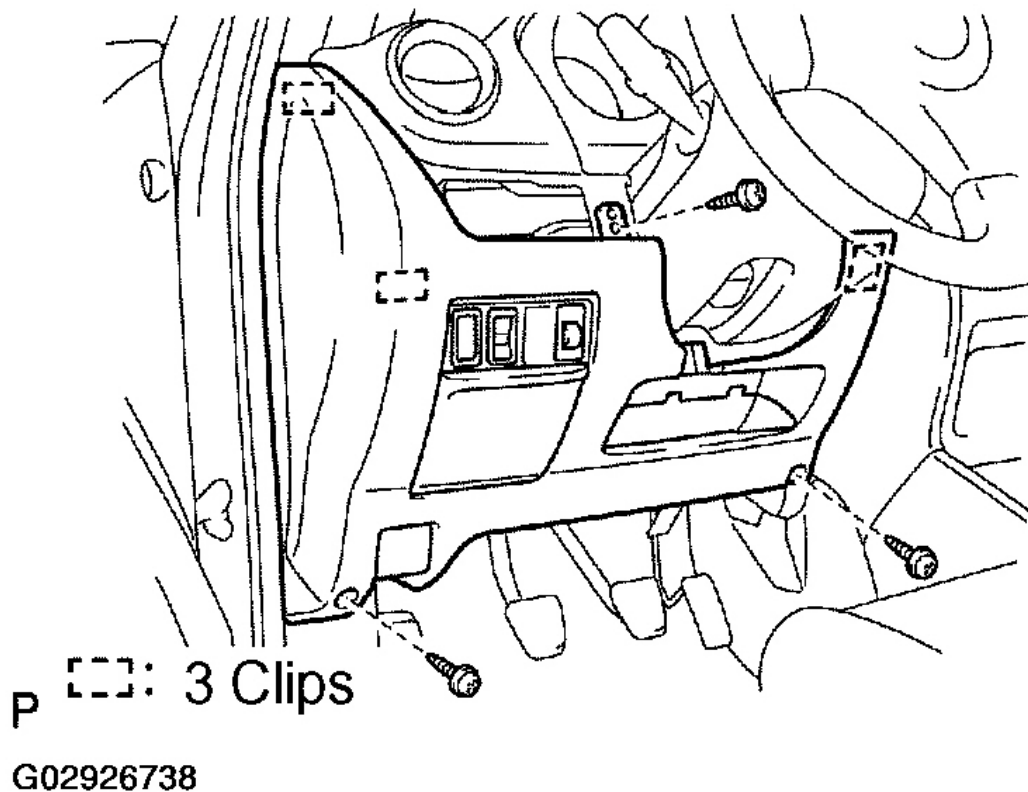


Fig. 5: Removing Lower Instrument Panel Finish Panel & Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

Tape the screwdriver tip before use.

6. **REMOVE LOWER PANEL INSERT**

Remove the 4 bolts and panel.
7. **REMOVE COLUMN COVERS (See REMOVAL)**

8. **REMOVE SPIRAL CABLE (See REMOVAL)**
9. **REMOVE WIPER AND WASHER SWITCH AND LIGHT CONTROL SWITCH AND HEADLIGHT DIMMER SWITCH (See REMOVAL)**
10. **REMOVE CLUSTER FINISH PANEL**

Using a screwdriver, pry out the finish panel.

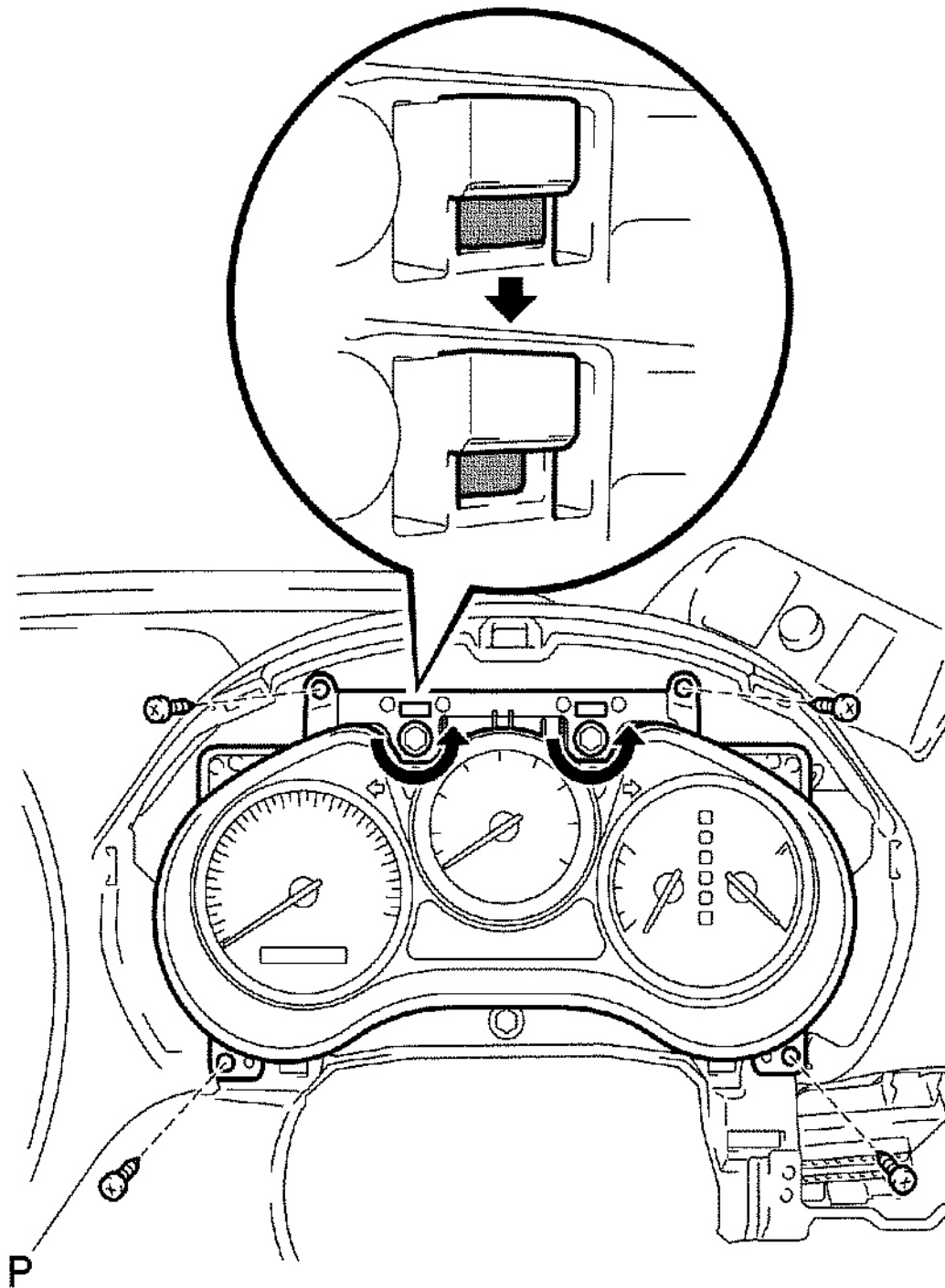
HINT:

Tape the screwdriver tip before use.

11. **REMOVE COMBINATION METER**
 - a. Push out the connector by loosening the 2 bolts.

NOTE: **Operation is completed when the bolt failed to catch.**

- b. Check that the red-colored indicator goes back as shown in **Fig. 6** .
 - c. Remove the 4 screws.



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Fig. 6: Removing Screws & Combination Meter

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12. **REMOVE INSTRUMENT CLUSTER FINISH PANEL CENTER NO. 1 AND NO. 2**
 - a. Using a screwdriver, pry out the 2 cluster finish panel centers.

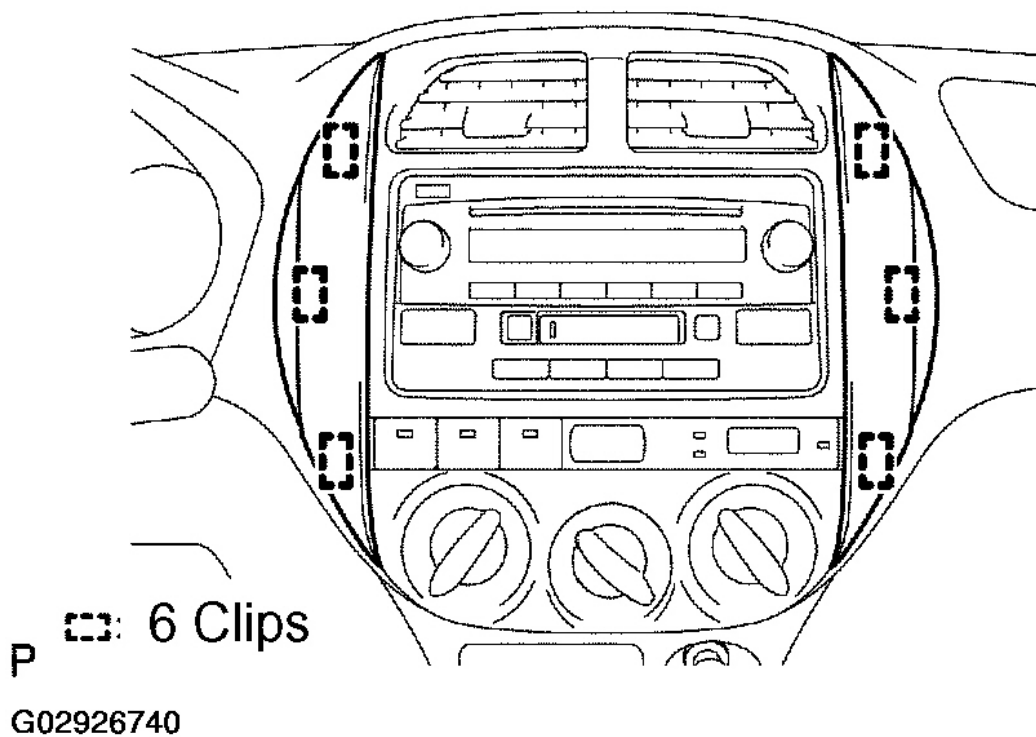


Fig. 7: Removing Instrument Cluster Finish Panel Center No. 1 & No. 2
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

Tape the screwdriver tip before use.

13. **REMOVE INSTRUMENT CLUSTER FINISH PANEL**
 - a. Remove the 2 screws.
 - b. Using a screwdriver, pry out the finish panel.

HINT:

Tape the screwdriver tip before use.

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c. w/o Radio:

Remove the 4 bolts and stereo opening cover.

d. w/Radio:

Remove the 4 bolts and radio, then disconnect the connectors.

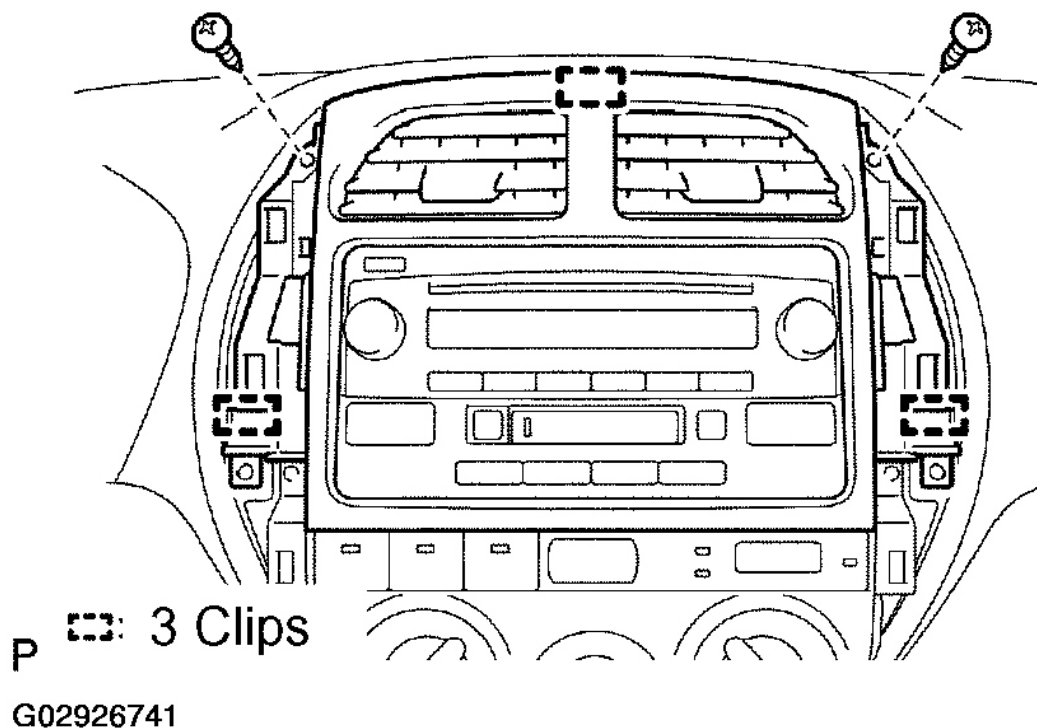


Fig. 8: Removing Instrument Cluster Finish Panel, Screws & Bolts
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14. **REMOVE HEATER CONTROL ASSEMBLY (See REMOVAL)**
15. **REMOVE INSTRUMENT PANEL CLUSTER FINISH CENTER PANEL**
 - a. Remove the 2 screws.
 - b. Using a screwdriver, pry out the finish panel then disconnect the connector.

HINT:

- After removing the screws, if you remove the clips shown by the arrow marks with a resin spatula, the panel can be removed smoothly.

- Tape the screwdriver tip before use.

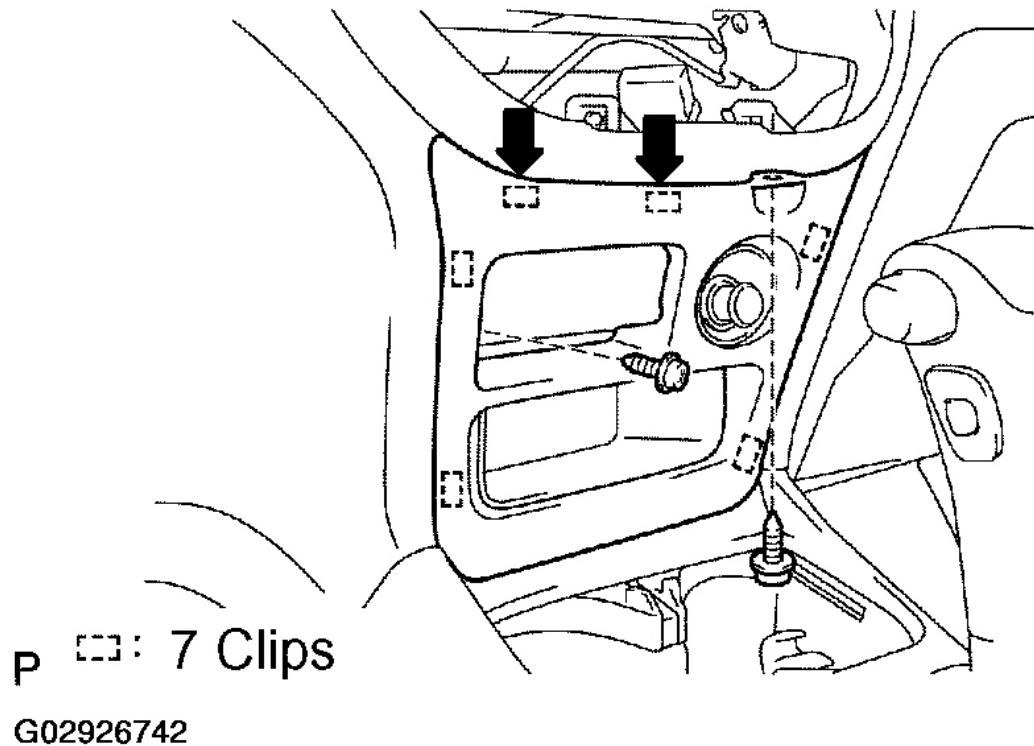


Fig. 9: Removing Instrument Panel Cluster Finish Center Panel & Screws
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16. REMOVE UPPER CONSOLE PANEL

- a. M/T only:

Remove the shift lever knob.

- b. Using a screwdriver, pry out the console panel.

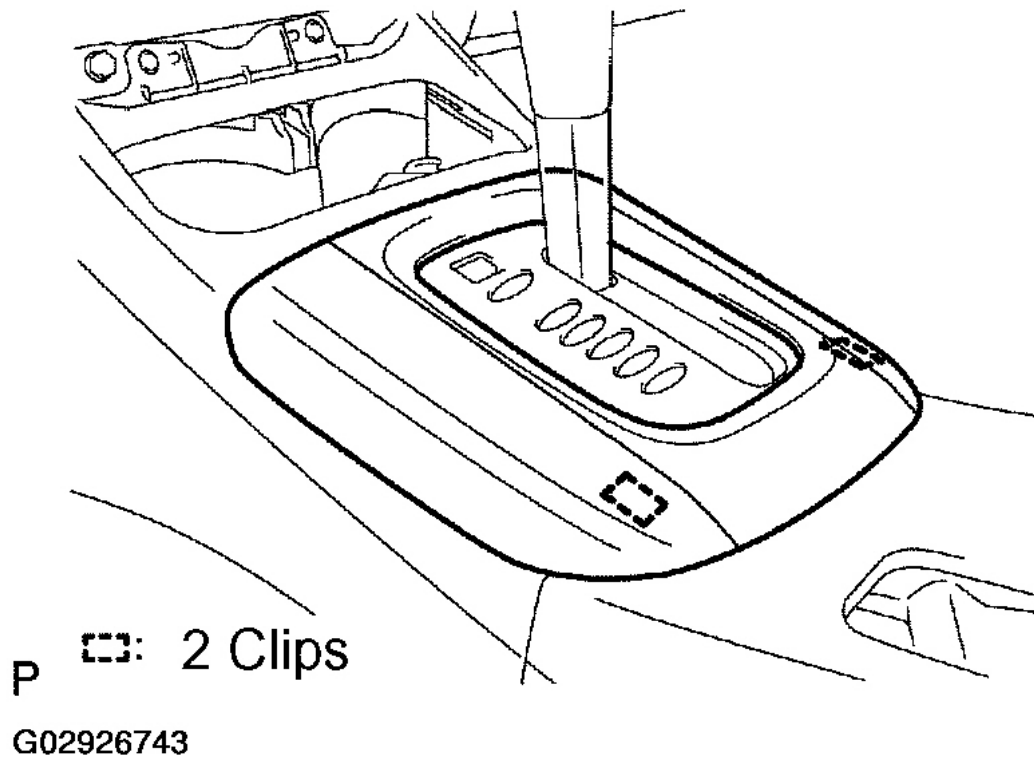


Fig. 10: Removing Upper Console Panel

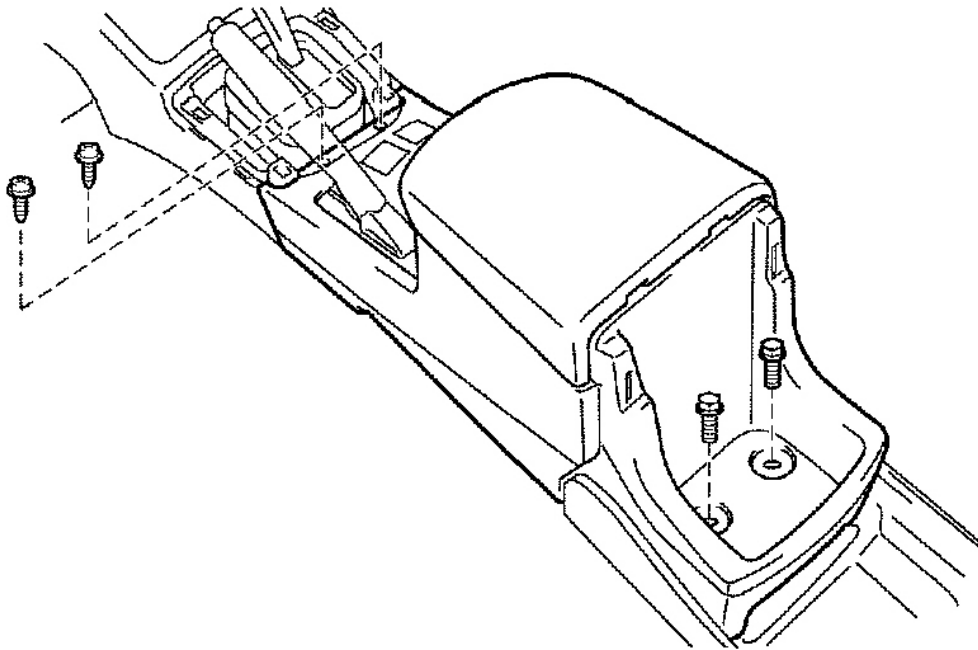
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HINT:

Tape the screwdriver tip before use.

17. REMOVE REAR CONSOLE BOX

Remove the 2 bolts, 2 screws and console box, then disconnect the connector.



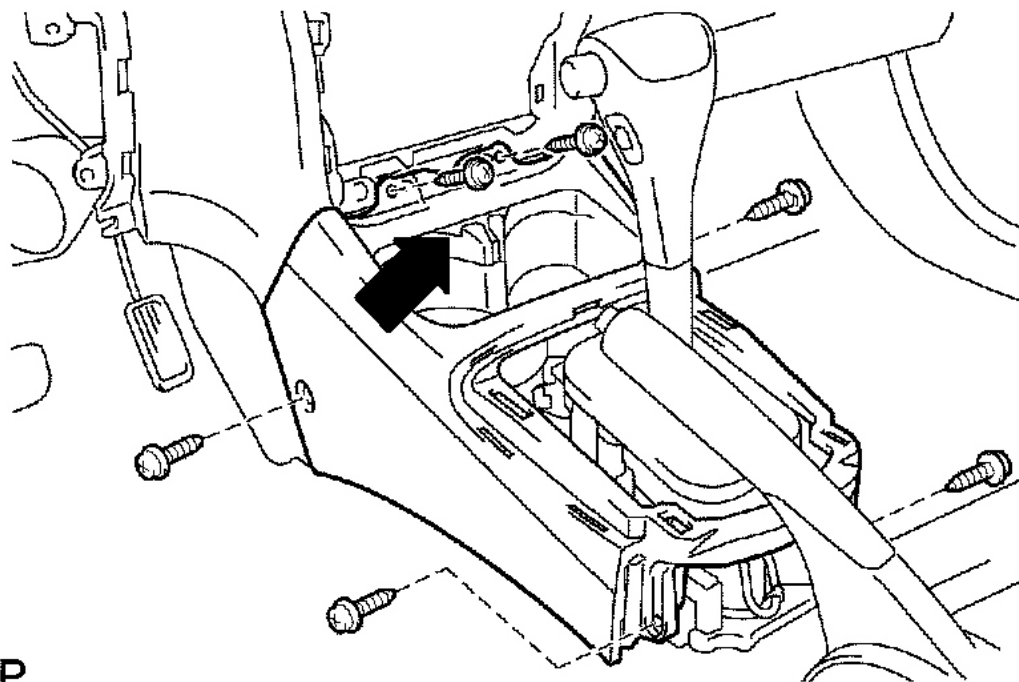
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Fig. 11: Removing Rear Console Box, Bolts & Screws
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18. REMOVE FRONT CONSOLE BOX

- a. Remove the 6 screws and console box.
- b. Using a screwdriver, pry out the console box in the direction indicated by the arrow mark.



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Fig. 12: Removing Front Console Box & Screws

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

Tape the screwdriver tip before use.

19. **REMOVE NO. 1 AND NO. 2 INSTRUMENT PANEL UNDER COVERS**
20. **REMOVE GLOVE COMPARTMENT BOX**
21. **REMOVE INSTRUMENT SIDE PANEL**
22. **REMOVE STEERING COLUMN (See REMOVAL)**
23. **REMOVE FRONT PILLAR GARNISH LH**
 - a. Using a screwdriver, disengage the 2 clips.

HINT:

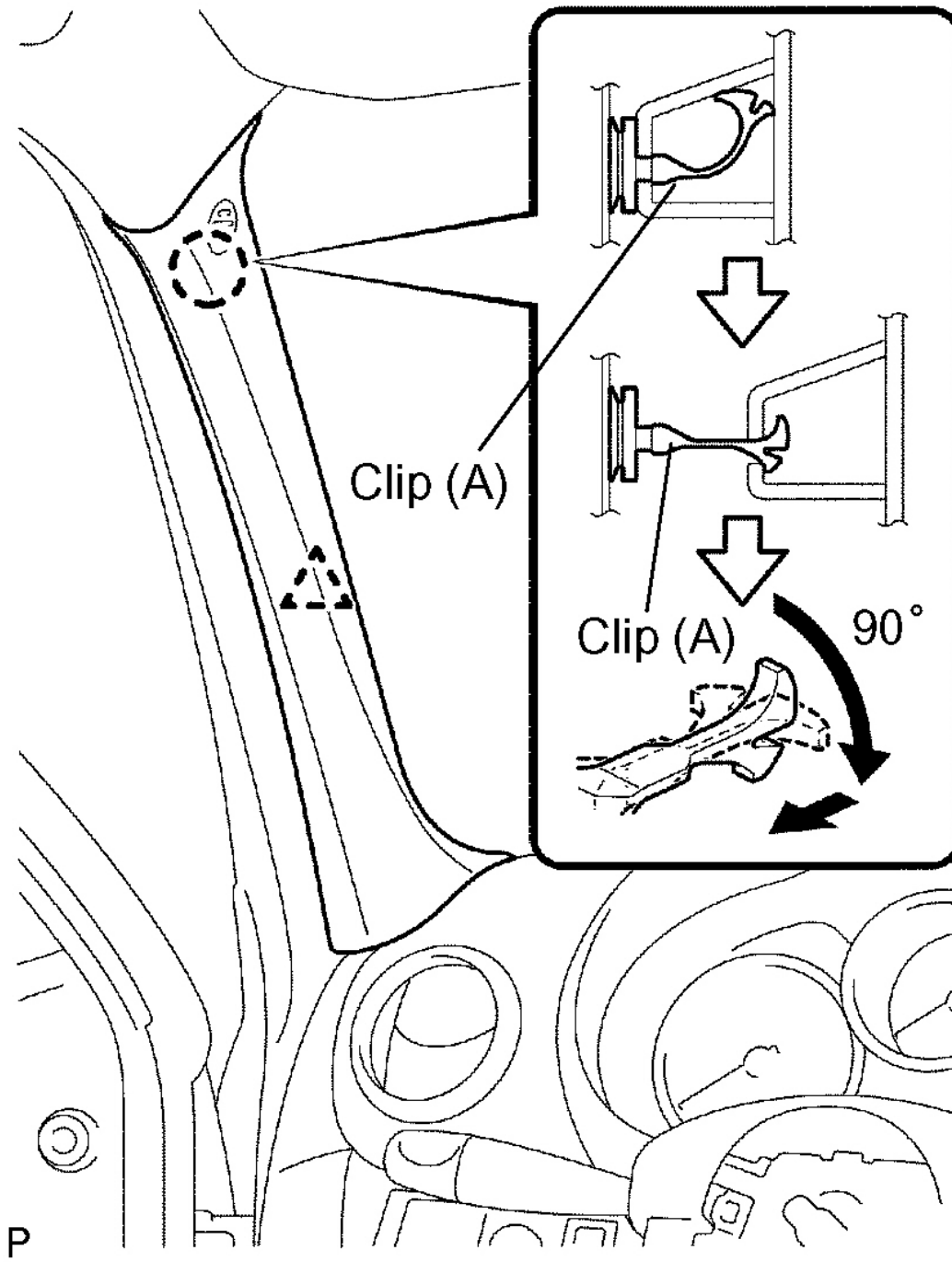
Tape the screwdriver tip before use.

- b. Remove the pillar garnish.

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1. Pull the pillar garnish until the clip marked A in **Fig. 13** stitches.
2. Turn the clip marked A in **Fig. 13** 90 degrees and remove the pillar garnish.



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Fig. 13: Removing Front Pillar Garnish LH & Clips
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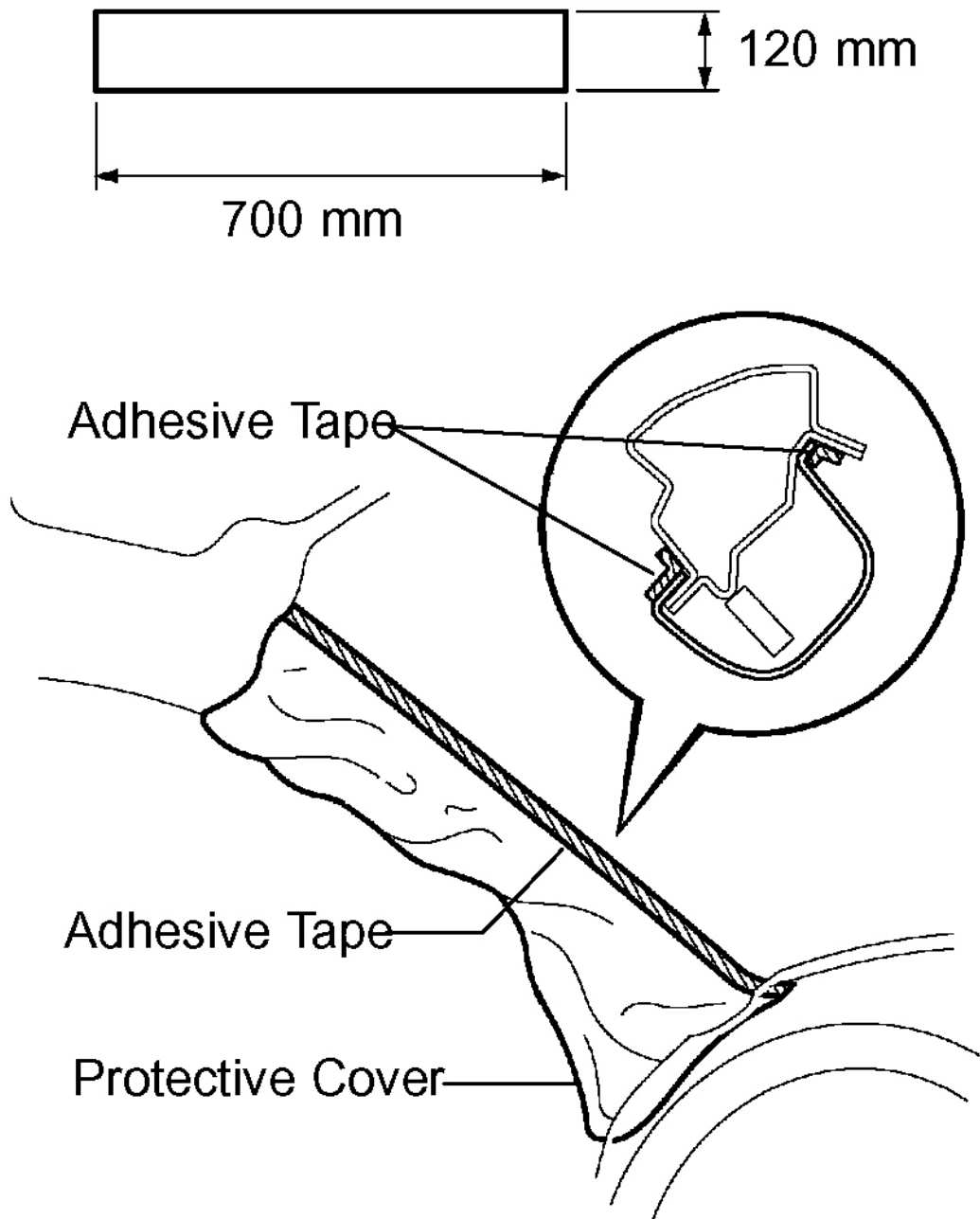
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c. w/Curtain shield airbag:

Protect the curtain shield airbag LH.

1. Cover the airbag with cloth or a piece of nylon approximately 700 mm (27.56 in.) x 120 mm (4.72 in.) in size. Fix the ends of the cover with tape as shown in **Fig. 14** .

NOTE: **Cover the curtain shield airbag with the protective cover as soon as the front pillar garnish is removed.**



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Fig. 14: Protecting Curtain Shield Air Bag LH
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HINT:

Use the same procedures described for the LH side.

25. REMOVE INSTRUMENT PANEL

- a. Disconnect the connectors as shown in **Fig. 15** .
- b. Disengage the wire harness clamps as shown in **Fig. 15** .
- c. Remove the 4 screws, 2 nuts, 8 bolts and instrument panel.

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Fig. 15: Removing Instrument Panel, Screws, Nuts And Bolts
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26. REMOVE NO. 1 AND NO. 2 BRACES

Remove the 3 bolts, 3 nuts, and the No. 1 and No. 2 braces.

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Fig. 16: Removing No. 1 & No. 2 Braces, Bolts & Nuts
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27. REMOVE REINFORCEMENT

- a. Remove the brake pedal spring.
- b. Remove the 5 bolts, nut and reinforcement.

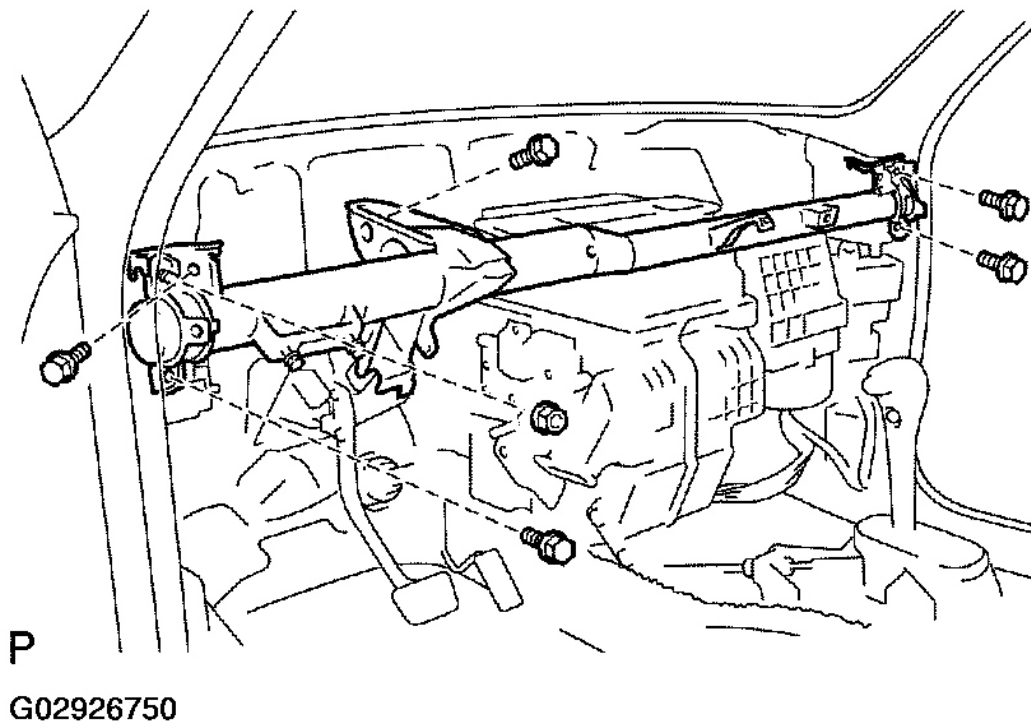


Fig. 17: Removing Reinforcement, Bolts And Nut
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DISASSEMBLY

1. REMOVE DEFROSTER NOZZLE WITH NO. 1 AND NO. 2 DEFROSTER DUCTS
2. REMOVE NO. 1 HEATER TO REGISTER DUCT
3. REMOVE NO. 2 HEATER TO REGISTER DUCT
4. REMOVE NO. 3 HEATER TO REGISTER DUCT
5. REMOVE NO. 1 RESISTER
6. REMOVE NO. 2 RESISTER
7. REMOVE INSTRUMENT PANEL REGISTER BEZEL
8. REMOVE INSTRUMENT PANEL WIRE
9. REMOVE PASSENGER AIRBAG

REASSEMBLY

The reassembly procedures are the disassembly procedures in reverse order (see DISASSEMBLY).

INSTALLATION

The installation procedures are the removal procedures in reverse order (see REMOVAL).

NOTE:

- The combination meter assembly has equipped with the inclination sensor to control the fuel gauge. When replacing the inclination sensor or combination meter assembly, please reset the vehicle in a horizontal condition according to the following procedure.
- If you do not reset the vehicle in a horizontal condition, the fuel gauge fails to display the accurate value.

RESET INCLINATION SENSOR INSIDE COMBINATION METER

- a. After replacing the part, install the combination meter to the vehicle.
- b. Park the vehicle in a flat area (A surface with an angle of inclination no greater than $\pm 0.5^\circ$)
- c. With the ignition switch OFF, press the trip switch.
- d. While pressing the trip switch, turn the ignition switch to the ON position.
- e. Within 5 seconds after the ignition switch is turned ON, release the trip switch and press the trip switch again 3 times, but hold the switch for 5 seconds on the third press. (A buzzer of 800 Hz will sound for 1 second.)
- f. After the buzzer stops, release the trip switch.
- g. Within 30 seconds after buzzer stops, press the trip switch one more time and hold it for 5 seconds. (Once more, a buzzer of 800 Hz will sound for 1 second.)
- h. The horizontal setting is now completed.

HINT:

If a buzzer higher than that of step (e) sounds continually at step (g), turn the ignition switch OFF and perform the setting procedure from step (c) again.