

2009 Toyota Highlander Limited
2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander

2009 ACCESSORIES & EQUIPMENT

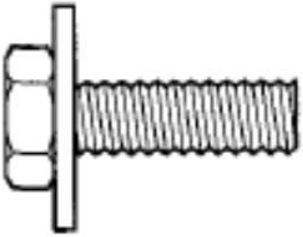
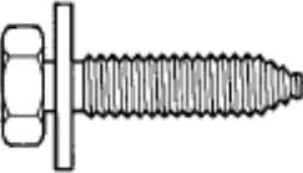
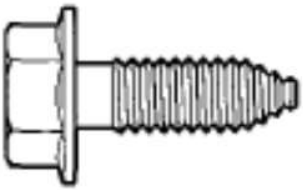
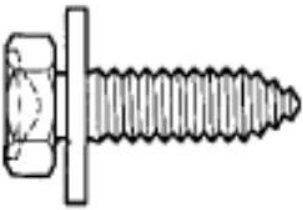
Instrument Panel - Highlander

INSTRUMENT PANEL SAFETY PAD

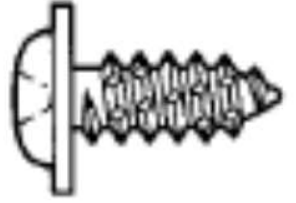
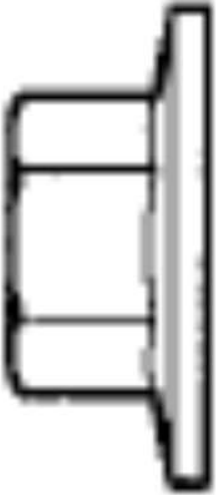
PRECAUTION

1. PRECAUTION FOR VEHICLE WITH SRS AIRBAG AND SEAT BELT PRETENSIONER
- a. Some operations in this article may affect the SRS airbags. Prior to performing the corresponding operations, read the SRS airbag NOTICE.
2. TABLE OF BOLT, SCREW AND NUT

BOLT, SCREW AND NUT SPECIFICATION

Code	Shape	Size	Parts No.
< A >		= 8 mm (0.31 in.) Length = 20 mm (0.79 in.)	91635-60820
< B >		= 6 mm (0.24 in.) Length = 25 mm (0.98 in.)	91635-60625
< C >		= 6 mm (0.24 in.) Length = 18 mm (0.71 in.)	91515-60618
< D >		= 6 mm (0.24 in.) Length = 20 mm (0.79 in.)	90119-06952

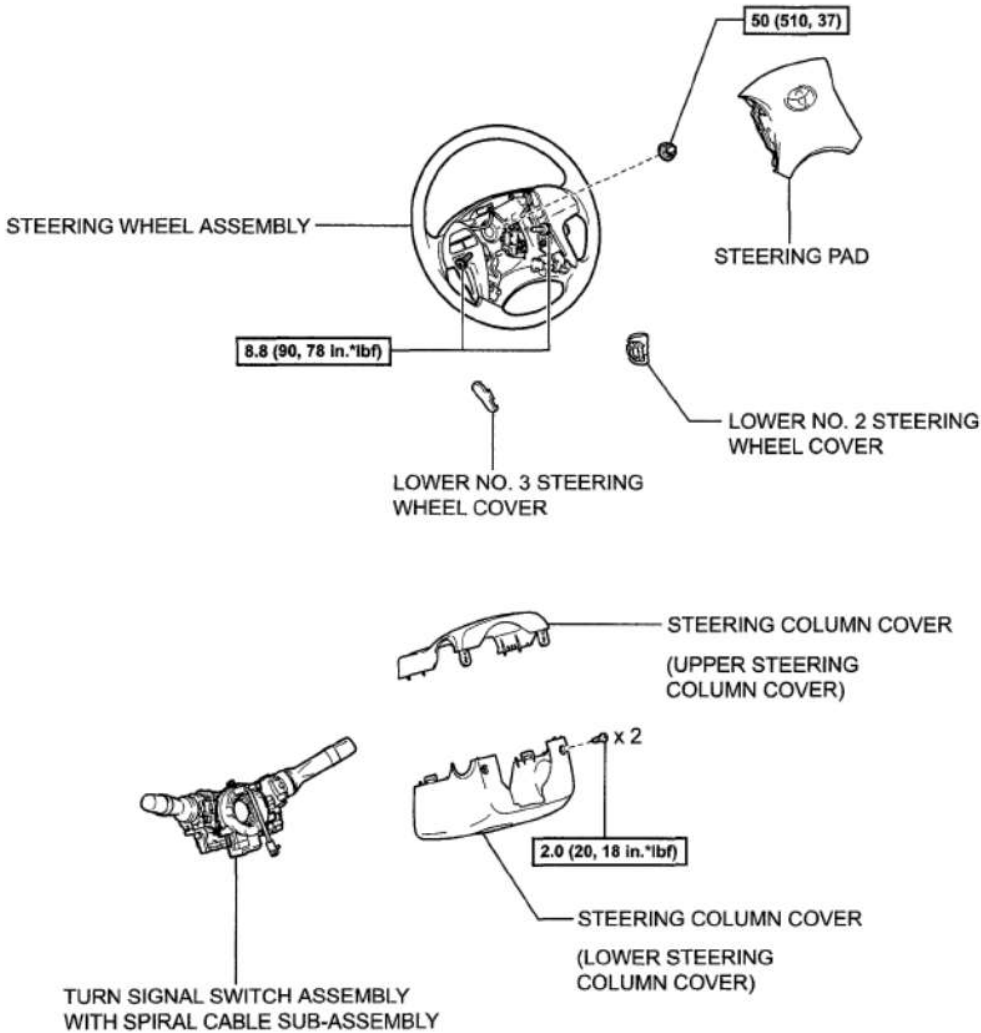
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< E >		= 6 mm (0.24 in.) Length = 16 mm (0.63 in.)	90119-06732
< F >		= 5 mm (0.20 in.) Length = 16 mm (0.63 in.)	93567-55016
< G >		= 5 mm (0.20 in.) Length = 12 mm (0.47 in.)	93567-15012
< H >		= 6 mm (0.24 in.)	90179-06288

COMPONENTS

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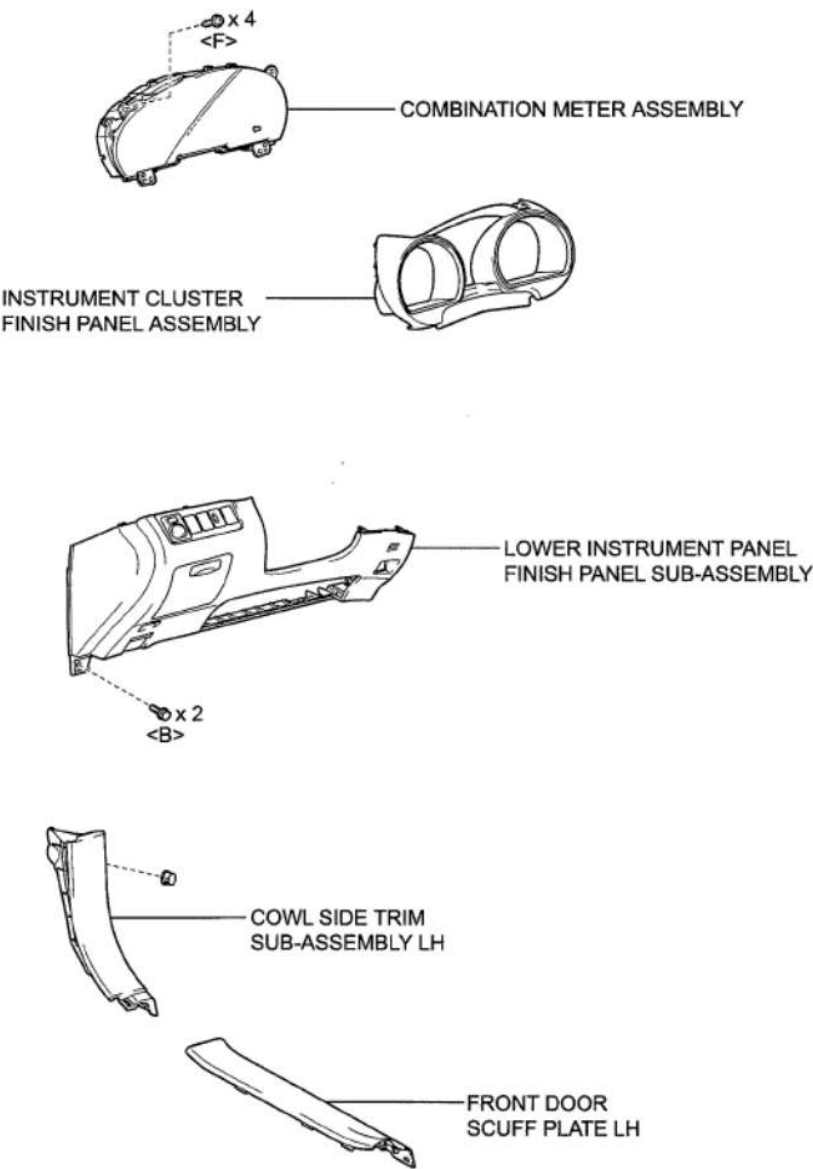
N*m (kgf*cm, ft.*lbf): Specified torque

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Fig. 1: Identifying Instrument Panel Safety Pad Components With Torque Specification (1 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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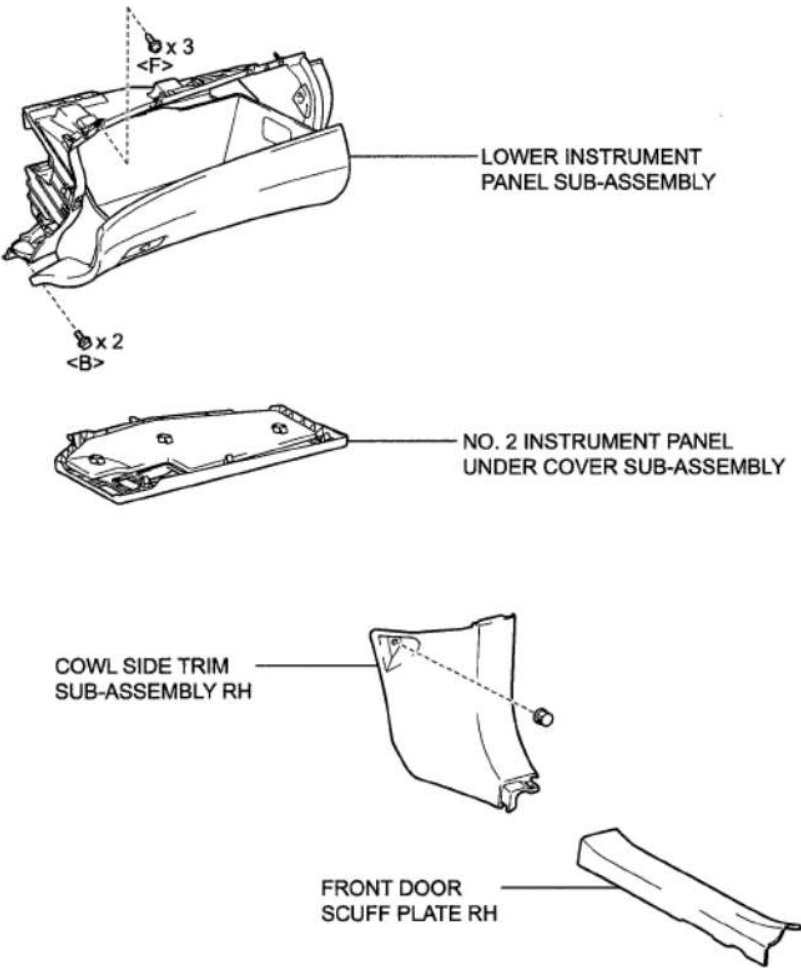
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Fig. 2: Identifying Instrument Panel Safety Pad Components With Torque Specification (2 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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Fig. 3: Identifying Instrument Panel Safety Pad Components With Torque Specification (3 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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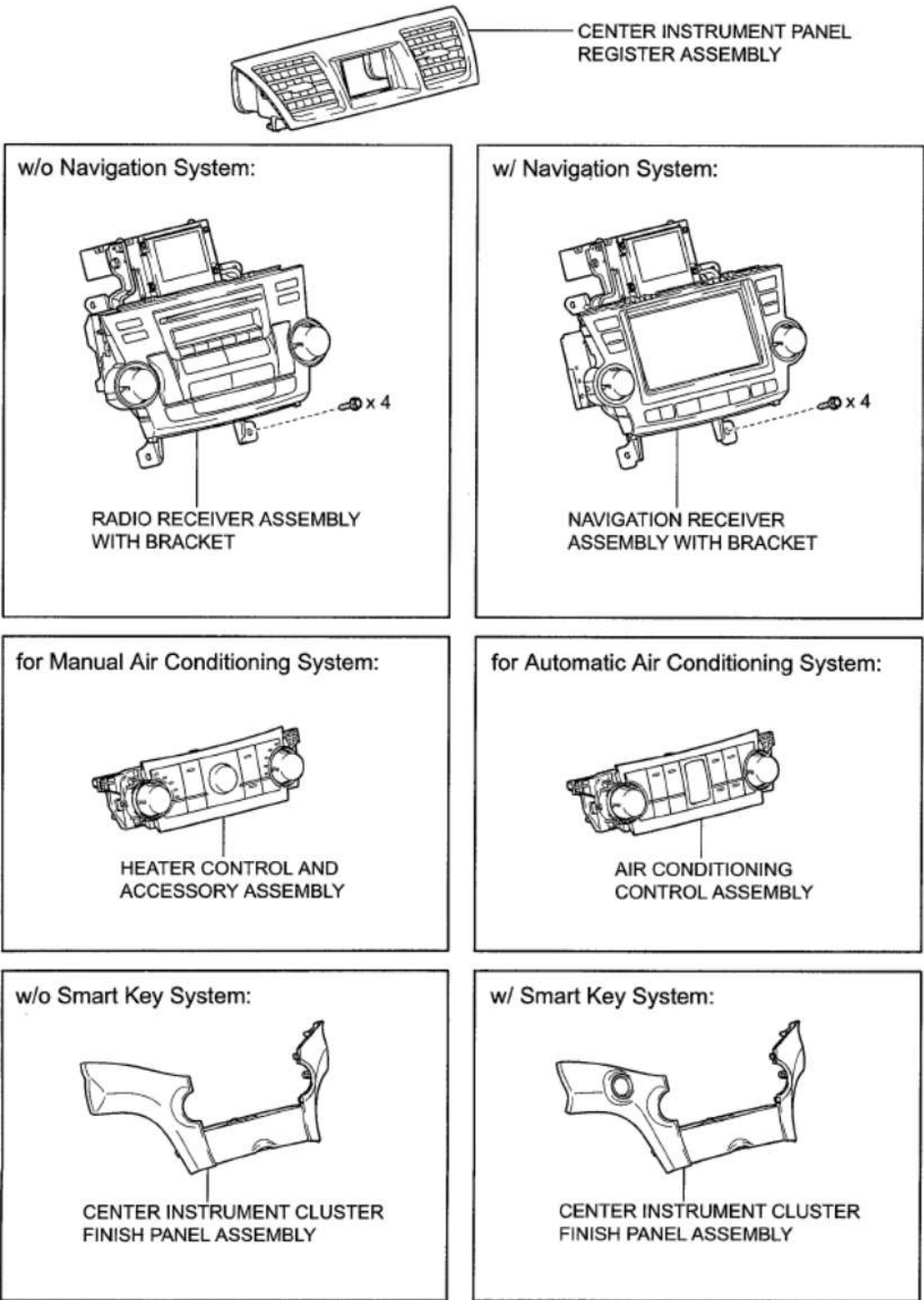


Fig. 4: Identifying Instrument Panel Safety Pad Components With Torque Specification (4 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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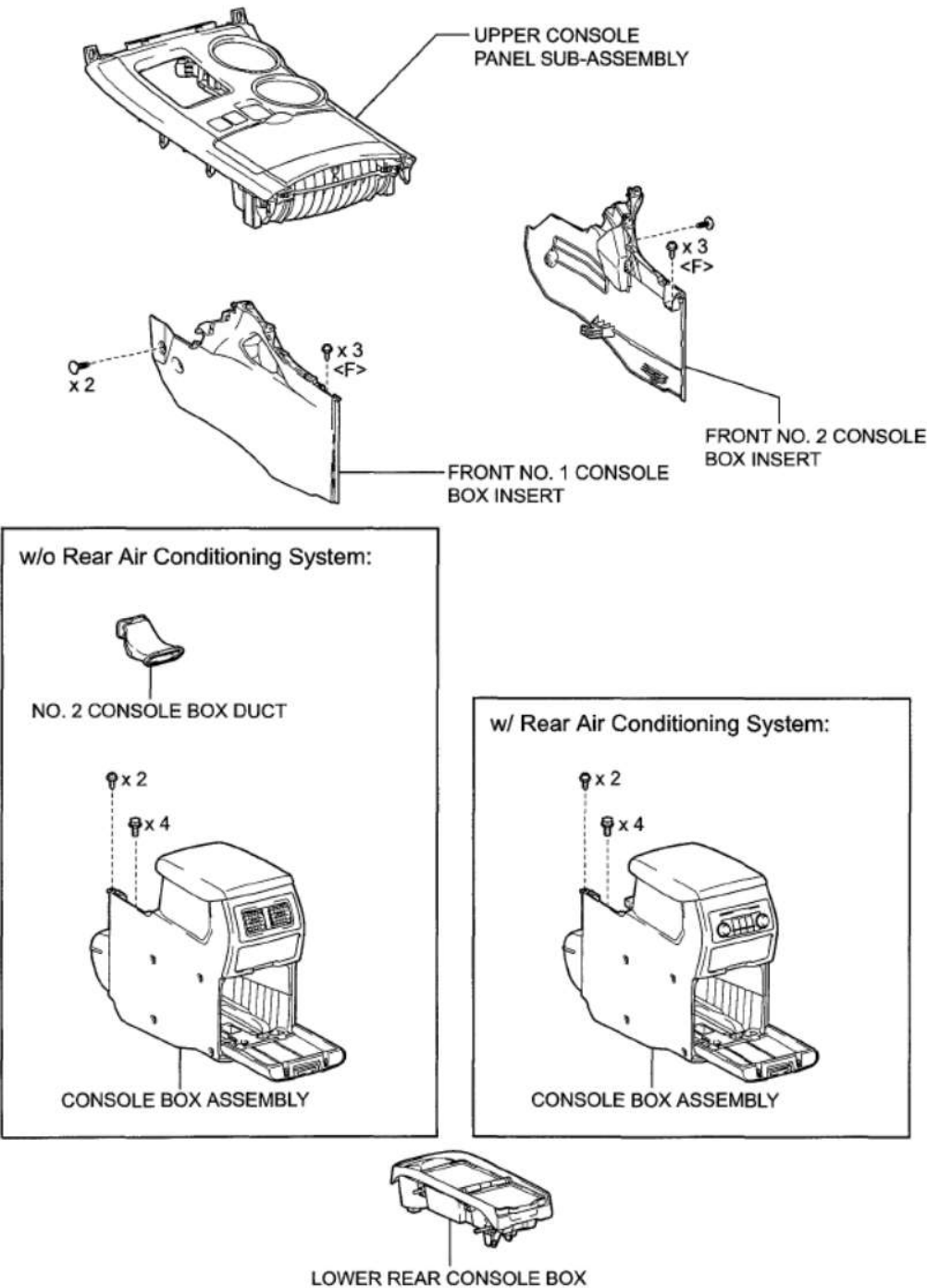
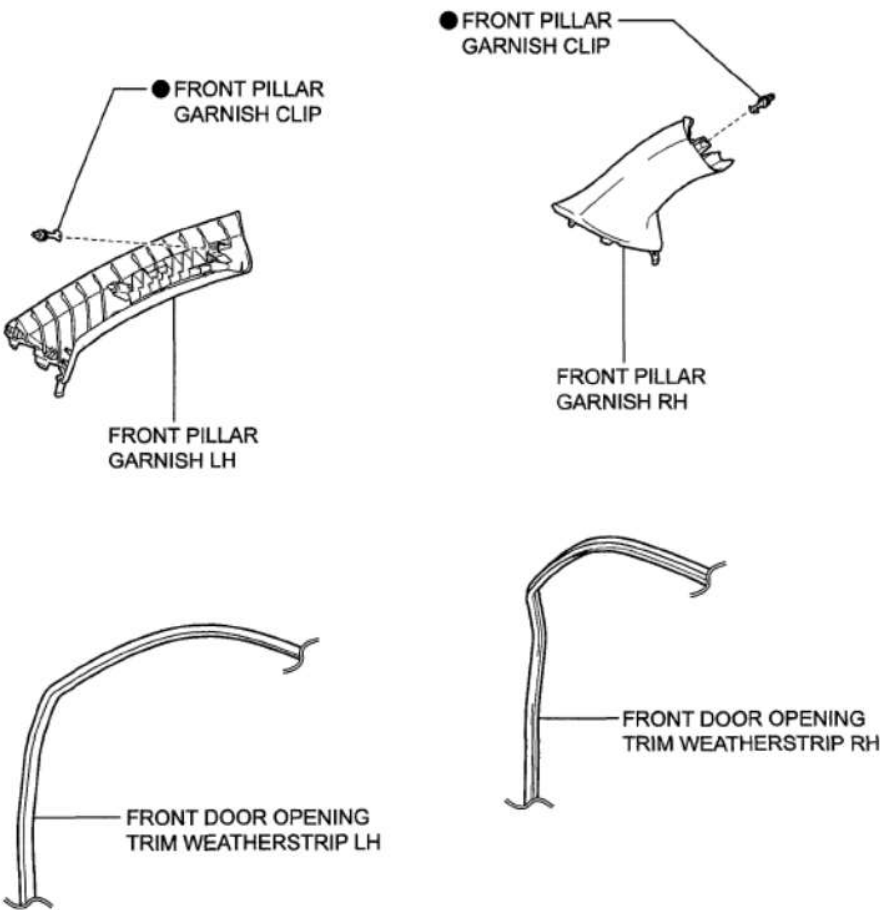


Fig. 5: Identifying Instrument Panel Safety Pad Components With Torque Specification (5 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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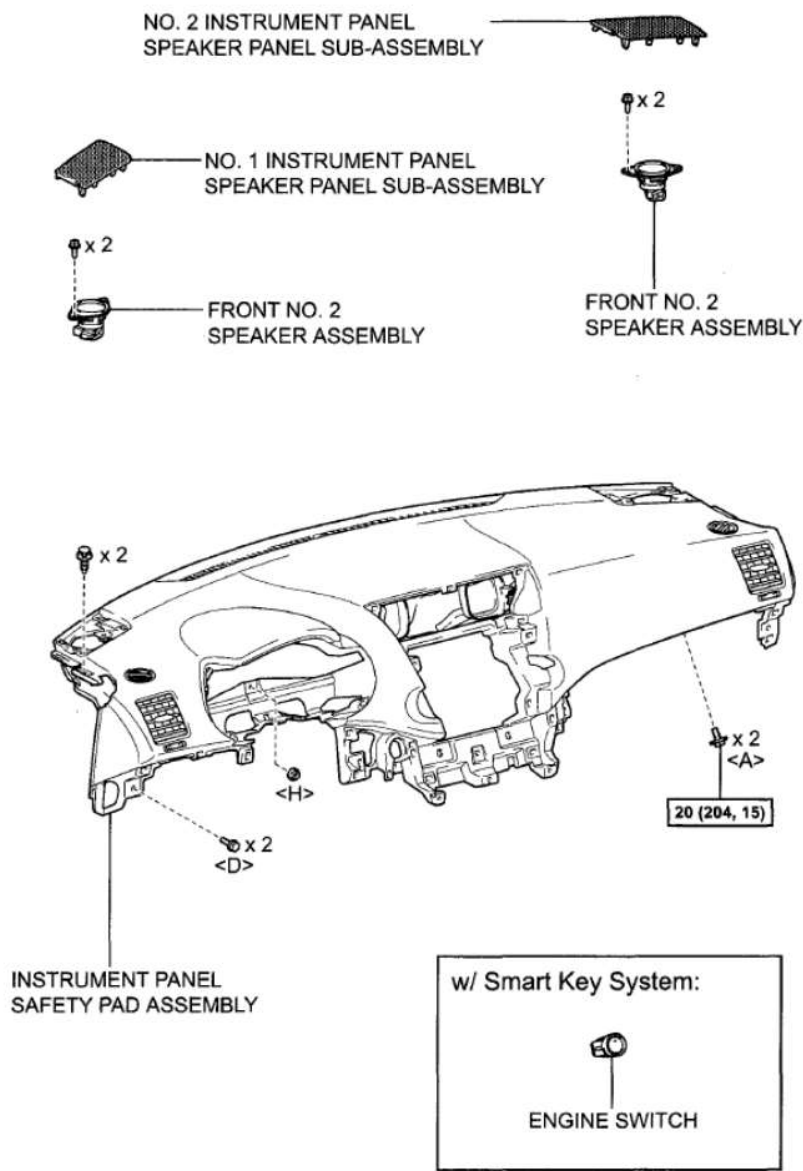
● Non-reusable part

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Fig. 6: Identifying Instrument Panel Safety Pad Components With Torque Specification (6 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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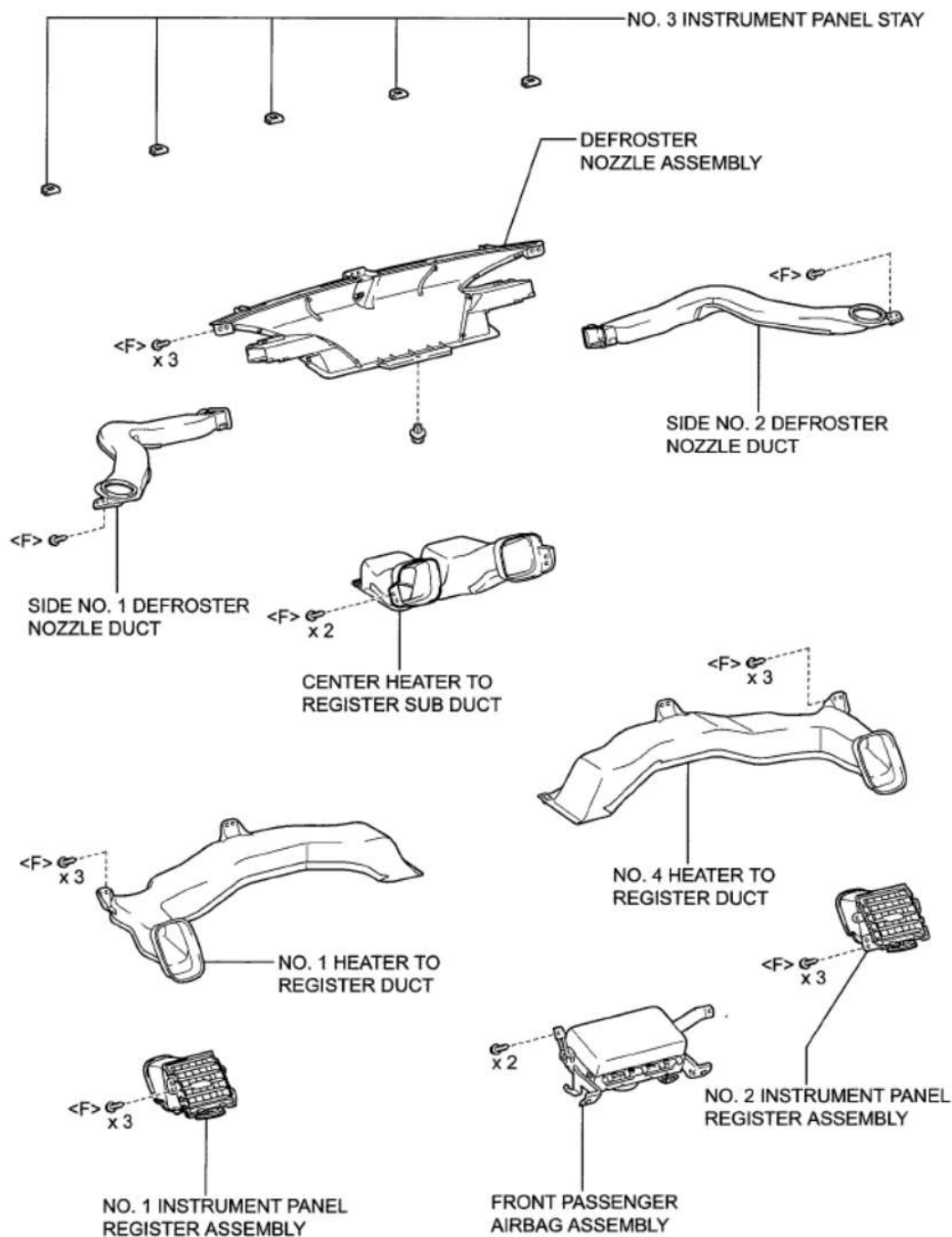
[N*m (kgf*cm, ft.*lbf)]: Specified torque

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Fig. 7: Identifying Instrument Panel Safety Pad Components With Torque Specification (7 Of 10)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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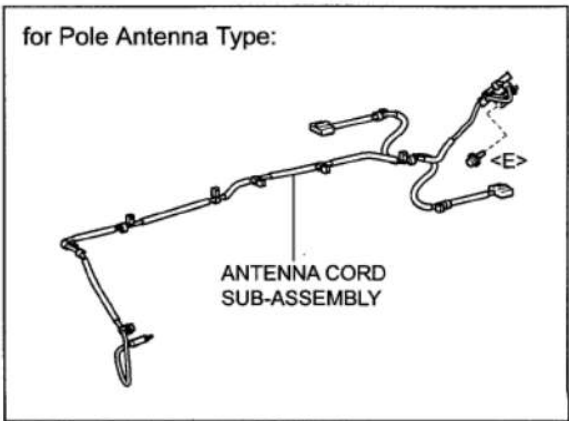
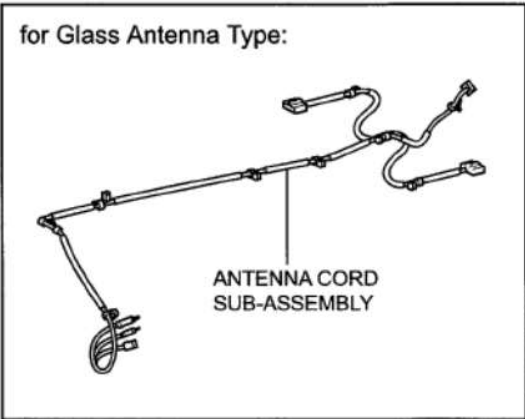
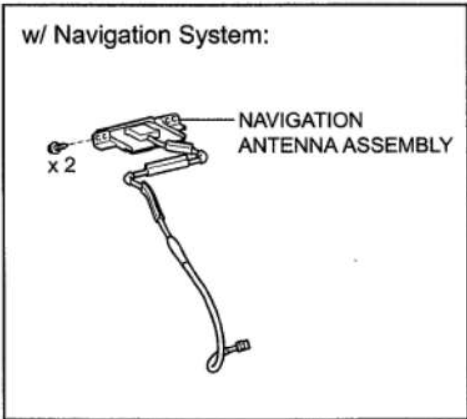
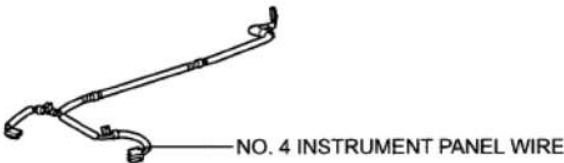
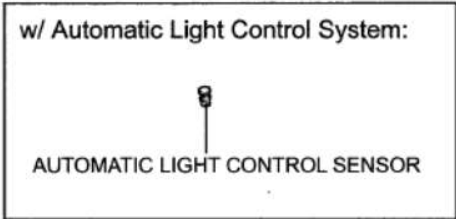
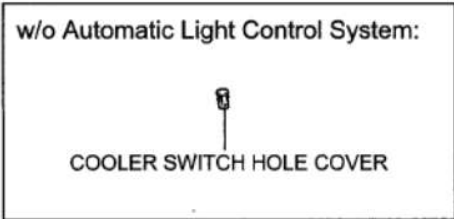
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Fig. 8: Identifying Instrument Panel Safety Pad Components With Torque Specification (8 Of 10)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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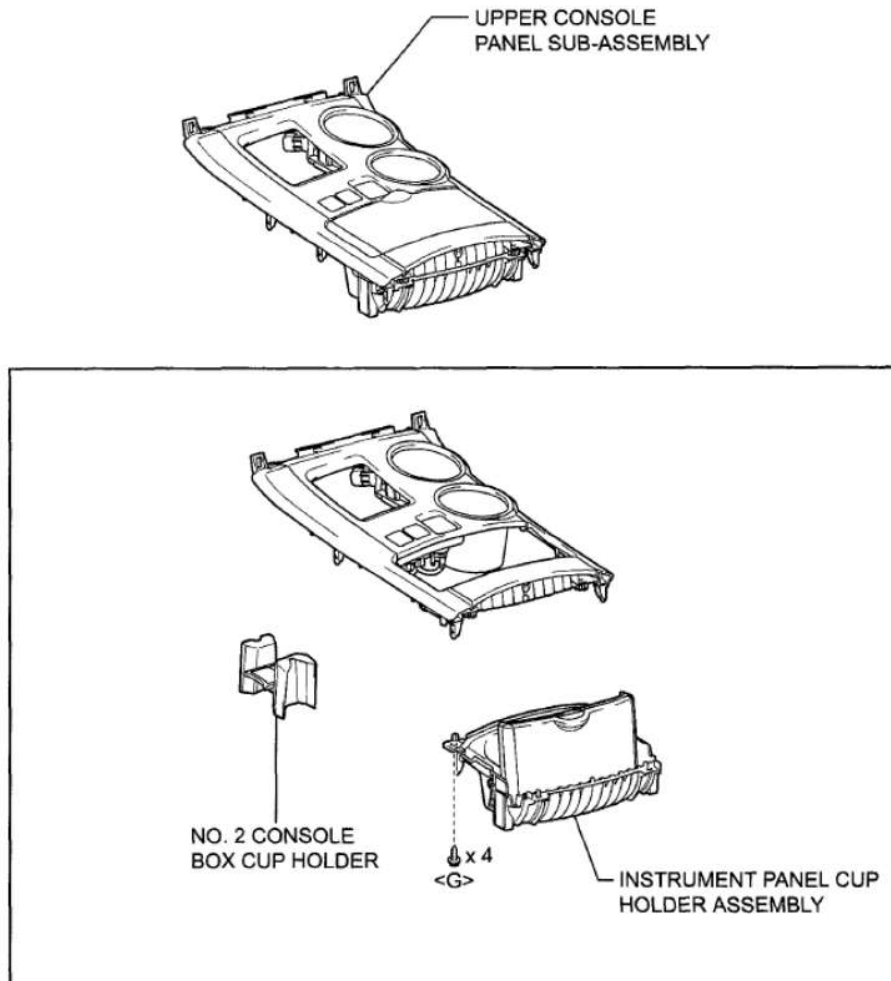
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Fig. 9: Identifying Instrument Panel Safety Pad Components With Torque Specification (9 Of 10)
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Fig. 10: Identifying Instrument Panel Safety Pad Components With Torque Specification (10 Of 10)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

1. PRECAUTION

(See **PRECAUTION**)

2. POSITION FRONT WHEELS STRAIGHT AHEAD

3. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION: Wait for 90 seconds after disconnecting the terminal to prevent airbag deployment (See **AIRBAG SYSTEM**).

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NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected (See INITIALIZATION).

4. REMOVE LOWER NO. 3 STEERING WHEEL COVER (See REMOVAL)
5. REMOVE LOWER NO. 2 STEERING WHEEL COVER (See REMOVAL)
6. REMOVE STEERING PAD (See REMOVAL)
7. REMOVE STEERING WHEEL ASSEMBLY (See DISASSEMBLY)
8. REMOVE STEERING COLUMN COVER (See REMOVAL)
9. REMOVE TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY (See REMOVAL)
10. REMOVE INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY
 - a. Disengage the 4 claws and 4 clips, and remove the instrument cluster finish panel assembly.

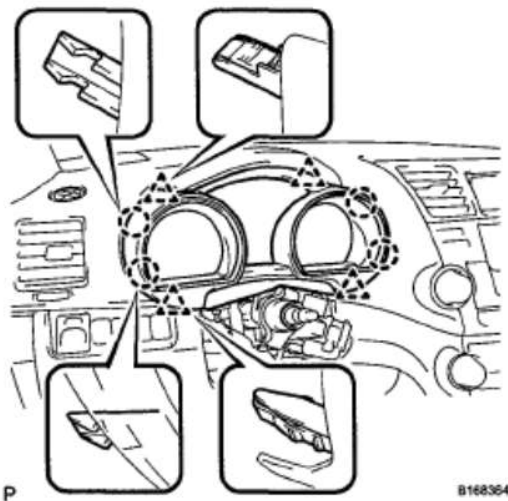
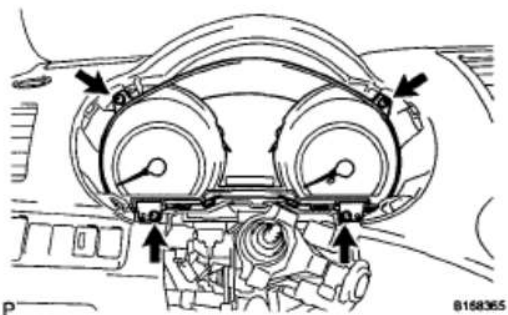


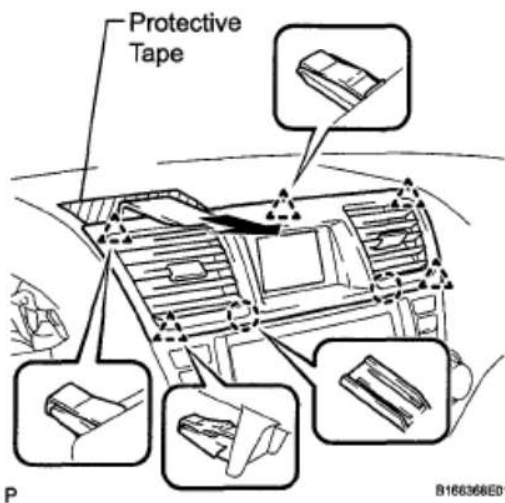
Fig. 11: Identifying Instrument Cluster Finish Panel Assembly Claws And Clips
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

11. REMOVE COMBINATION METER ASSEMBLY
 - a. Remove the 4 screws < F >.
 - b. Disconnect the connector and remove the combination meter assembly.



2009 Toyota Highlander Limited**2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander****Fig. 12: Locating Combination Meter Assembly Screws****Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.****12. REMOVE CENTER INSTRUMENT PANEL REGISTER ASSEMBLY**

- a. Apply protective tape to the areas shown in the illustration.
- b. Using a moulding remover, disengage the 2 claws and 5 clips, and then remove the center instrument panel register assembly as shown in the illustration.

**Fig. 13: Identifying Center Instrument Panel Register Assembly Claws And Clips****Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.****13. REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (w/o Smart Key System)**

- a. Apply protective tape to the areas shown in the illustration.
- b. Using a moulding remover, disengage the 10 claws and 8 clips starting from the upper part of the center instrument cluster finish panel assembly.

NOTE: Do not pull on the small storage compartment lid. Doing so may cause damage.

- c. Disconnect each connector and remove the center instrument cluster finish panel assembly.

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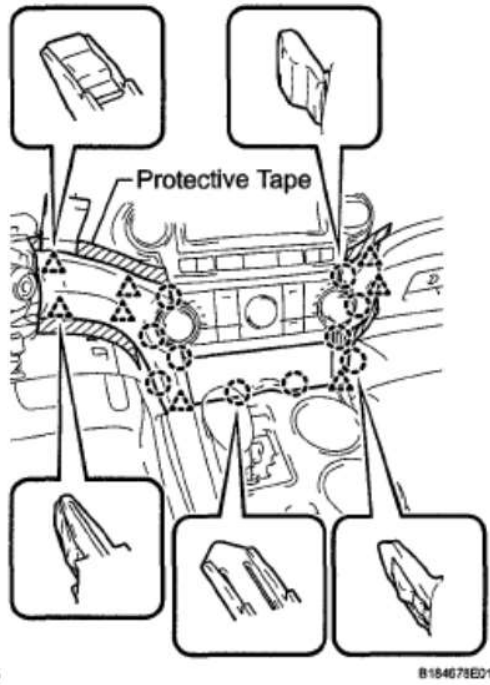


Fig. 14: Identifying Upper Part Of Center Instrument Cluster Finish Panel Assembly Claws And Clips

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

14. **REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (w/ Smart Key System)**
 - a. Apply protective tape to the areas shown in the illustration.
 - b. Using a moulding remover, disengage the 10 claws and 8 clips starting from the upper part of the center instrument cluster finish panel assembly.

NOTE: Do not pull on the small storage compartment lid. Doing so may cause damage.

 - c. Disconnect each connector and remove the center instrument cluster finish panel assembly.
15. **REMOVE HEATER CONTROL AND ACCESSORY ASSEMBLY (for Manual Air Conditioning System)** (See AIR CONDITIONING PANEL (FOR MANUAL AIR CONDITIONING SYSTEM))
16. **REMOVE AIR CONDITIONING CONTROL ASSEMBLY (for Automatic Air Conditioning System)** (See REMOVAL)
17. **REMOVE RADIO RECEIVER ASSEMBLY WITH BRACKET (w/o Navigation System)** (See REMOVAL)

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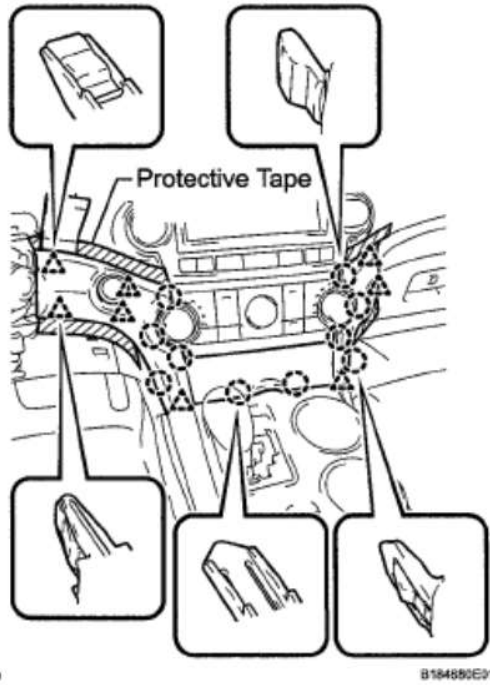


Fig. 15: Identifying Upper Part Of Center Instrument Cluster Finish Panel Assembly Claws And Clips

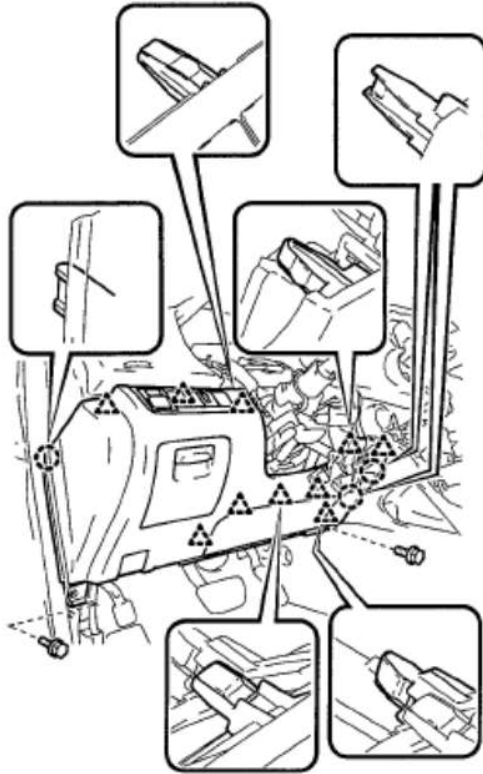
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

18. **REMOVE NAVIGATION RECEIVER ASSEMBLY WITH BRACKET (w/ Navigation System)**
(See **REMOVAL**)
19. **REMOVE FRONT DOOR SCUFF PLATE LH** (See **REMOVAL**)
20. **REMOVE COWL SIDE TRIM SUB-ASSEMBLY LH** (See **REMOVAL**)
21. **REMOVE LOWER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY (for Manual Air Conditioning System)**
 - a. Remove the 2 bolts < B >.
 - b. Disengage the 3 claws and 10 clips.
 - c. Disconnect each connector.
 - d. Disconnect the hood lock control cable assembly and remove the lower instrument panel finish panel sub-assembly.

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Fig. 16: Identifying Lower Instrument Panel Finish Panel Sub-Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

22. **REMOVE LOWER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY (for Automatic Air Conditioning System)**
- Remove the 2 bolts < B >.
 - Disengage the 3 claws and 10 clips.

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Fig. 17: Identifying Lower Instrument Panel Finish Panel Sub-Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Disconnect each connector and the aspirator duct.
 - d. Disconnect the hood lock control cable assembly and remove the lower instrument panel finish panel sub-assembly.
23. **REMOVE FRONT DOOR SCUFF PLATE RH** (See **REMOVAL**)
24. **REMOVE COWL SIDE TRIM SUB-ASSEMBLY RH** (See **REMOVAL**)

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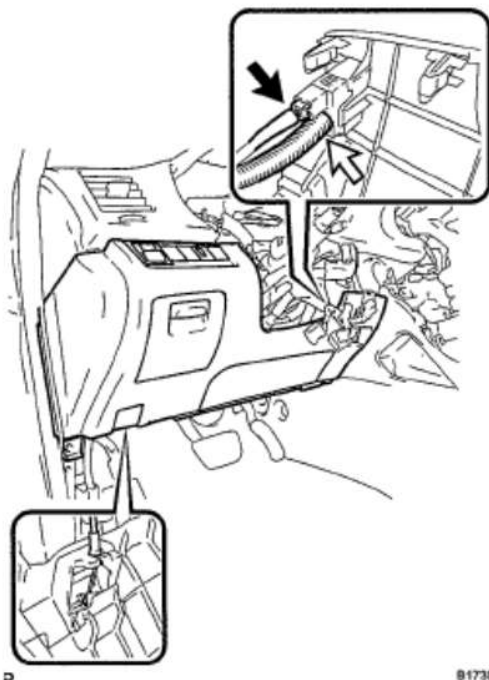


Fig. 18: Locating Lower Instrument Panel Finish Panel Sub-Assembly Connector
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

25. REMOVE NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

- Disengage the 3 claws.
- Disengage the 2 guides and remove the No. 2 instrument panel under cover sub-assembly.

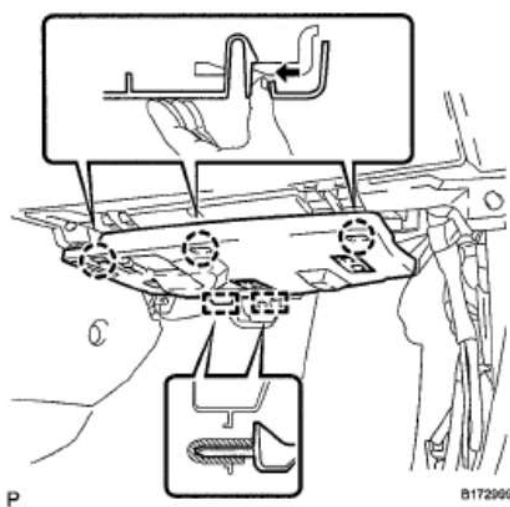


Fig. 19: Disengaging No. 2 Instrument Panel Under Cover Sub-Assembly Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

26. REMOVE LOWER INSTRUMENT PANEL SUB-ASSEMBLY

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- a. Remove the 2 bolts < B > and 3 screws < F >.
- b. Disengage the 4 claws and 3 clips.
- c. Disconnect each connector and clamp, and remove the lower instrument panel sub-assembly.

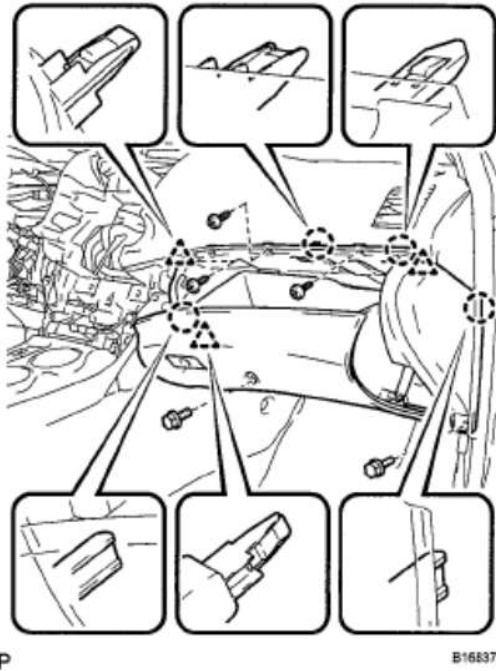
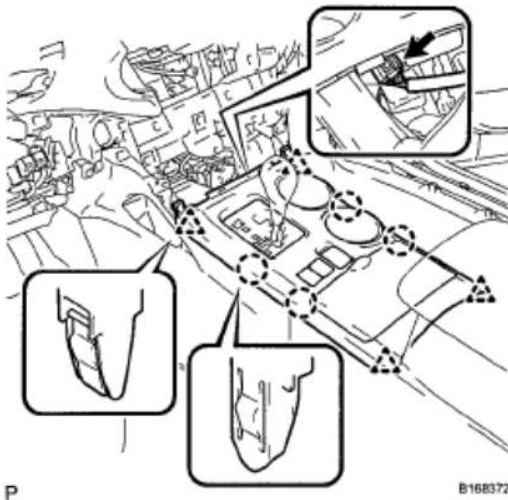


Fig. 20: Identifying Lower Instrument Panel Sub-Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

27. REMOVE UPPER CONSOLE PANEL SUB-ASSEMBLY

- a. Disengage the 4 claws and 4 clips.
- b. Disconnect the connector and remove the upper console panel sub-assembly.



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Fig. 21: Locating Upper Console Panel Sub-Assembly Connector, Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

28. **REMOVE NO. 2 CONSOLE BOX DUCT (w/o Rear Air Conditioning System)**
 - a. Remove the No. 2 console box duct as shown in the illustration.
29. **REMOVE LOWER REAR CONSOLE BOX** (See **REMOVAL**)
30. **REMOVE CONSOLE BOX ASSEMBLY (w/o Rear Air Conditioning System)** (See **REMOVAL**)
31. **REMOVE CONSOLE BOX ASSEMBLY (w/ Rear Air Conditioning System)** (See **DISASSEMBLY**)

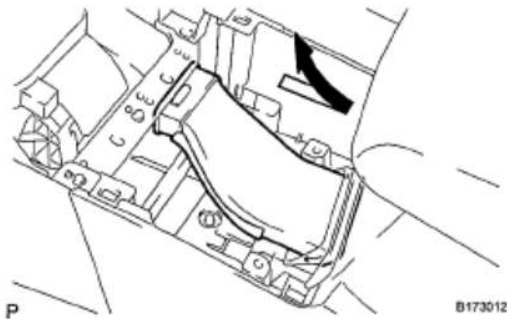


Fig. 22: Removing No. 2 Console Box Duct
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

32. **REMOVE FRONT NO. 1 CONSOLE BOX INSERT**
 - a. Using a clip remover, remove the 2 clips.
 - b. Remove the 3 screws < F >.
 - c. Disengage the claw and 2 guides, and then remove the front No. 1 console box insert.

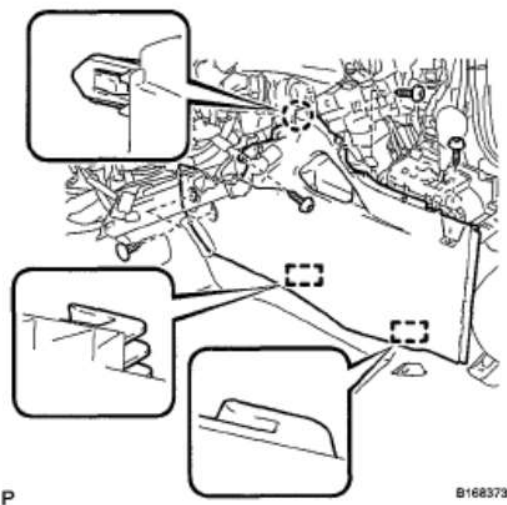


Fig. 23: Identifying Front No. 1 Console Box Insert Claw, Screws And Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2009 Toyota Highlander Limited**2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander****33. REMOVE FRONT NO. 2 CONSOLE BOX INSERT**

- a. Using a clip remover, remove the clip.
- b. Remove the 3 screws < F >.
- c. Disengage the claw and 2 guides, and then remove the front No. 2 console box insert.

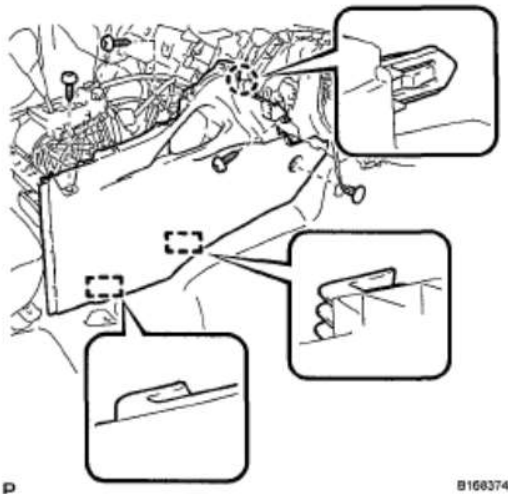
34. REMOVE ENGINE SWITCH (w/ Smart Key System) (See INSPECTION)**35. DISCONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP LH (See REMOVAL)****36. REMOVE FRONT PILLAR GARNISH LH (See REMOVAL)****37. DISCONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP RH (See REMOVAL)****38. REMOVE FRONT PILLAR GARNISH RH (See REMOVAL)**

Fig. 24: Identifying Front No. 2 Console Box Insert Claw, Screws And Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

39. REMOVE NO. 1 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY

- a. Disengage the 2 claws and 2 clips.
- b. Disengage the 2 guides and remove the No. 1 instrument panel speaker panel sub-assembly.

40. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY (for LH Side) (See REMOVAL)

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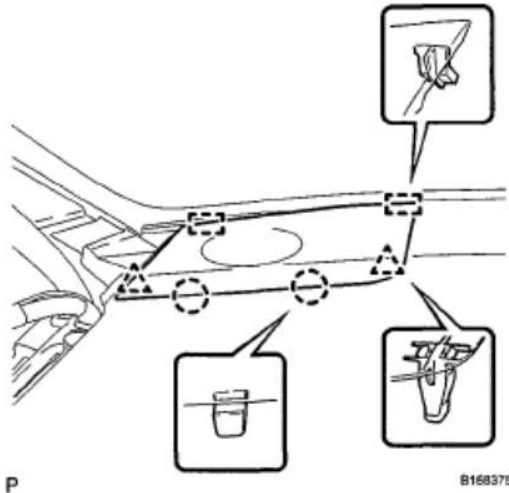


Fig. 25: Identifying No. 1 Instrument Panel Speaker Panel Sub-Assembly Claws, Screws And Guides

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

41. REMOVE NO. 2 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY

- Disengage the 2 claws and 2 clips.
- Disengage the 2 guides and remove the No. 2 instrument panel speaker panel sub-assembly.

42. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY (for RH Side)

HINT:

Use the same procedure for the RH side and the LH side.

43. DISCONNECT INSTRUMENT PANEL WIRE ASSEMBLY (See REMOVAL)

44. REMOVE INSTRUMENT PANEL SAFETY PAD ASSEMBLY (for Pole Antenna Type)

- Disconnect each connector.
- Remove the bolt < E >.
- Remove the 2 passenger airbag bolts < A >.

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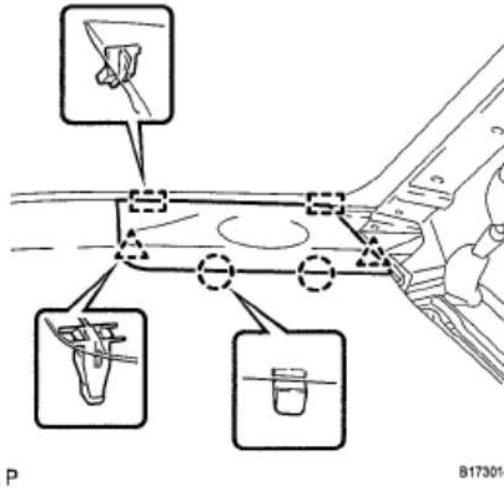


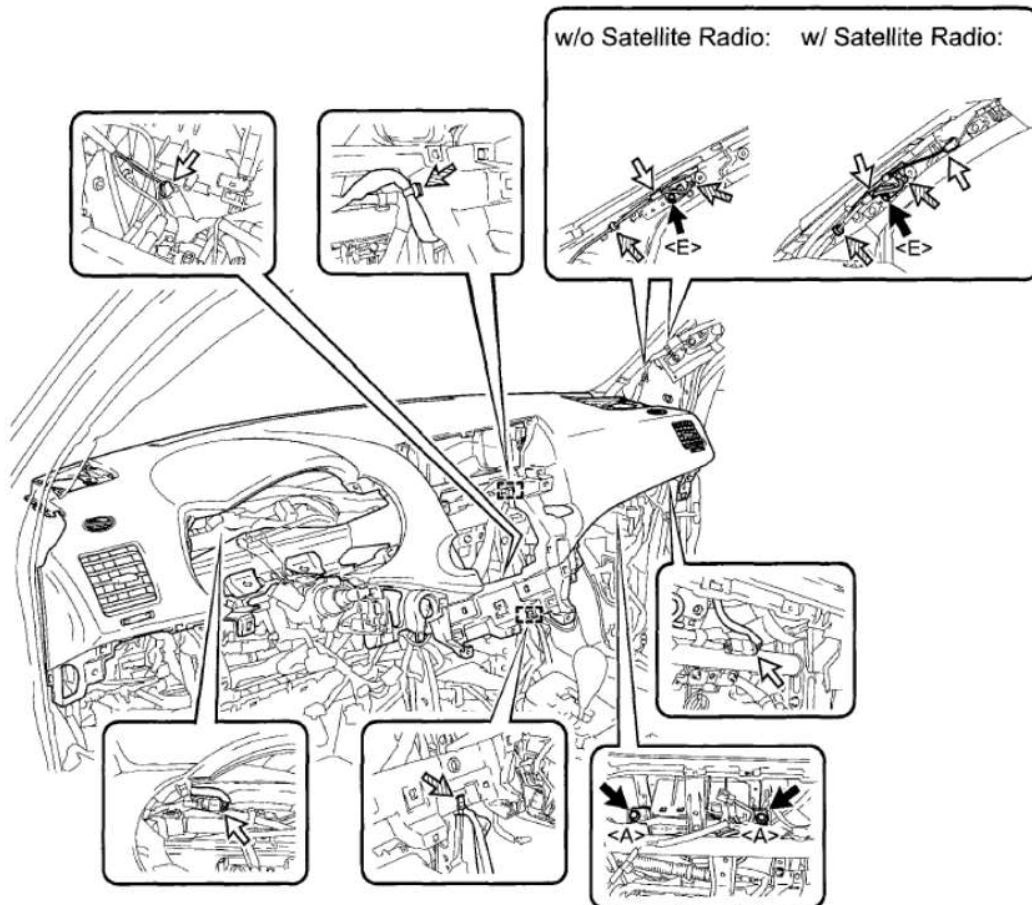
Fig. 26: Identifying No. 2 Instrument Panel Speaker Panel Sub-Assembly Claws, Screws And Guides

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- d. Disengage each clamp.

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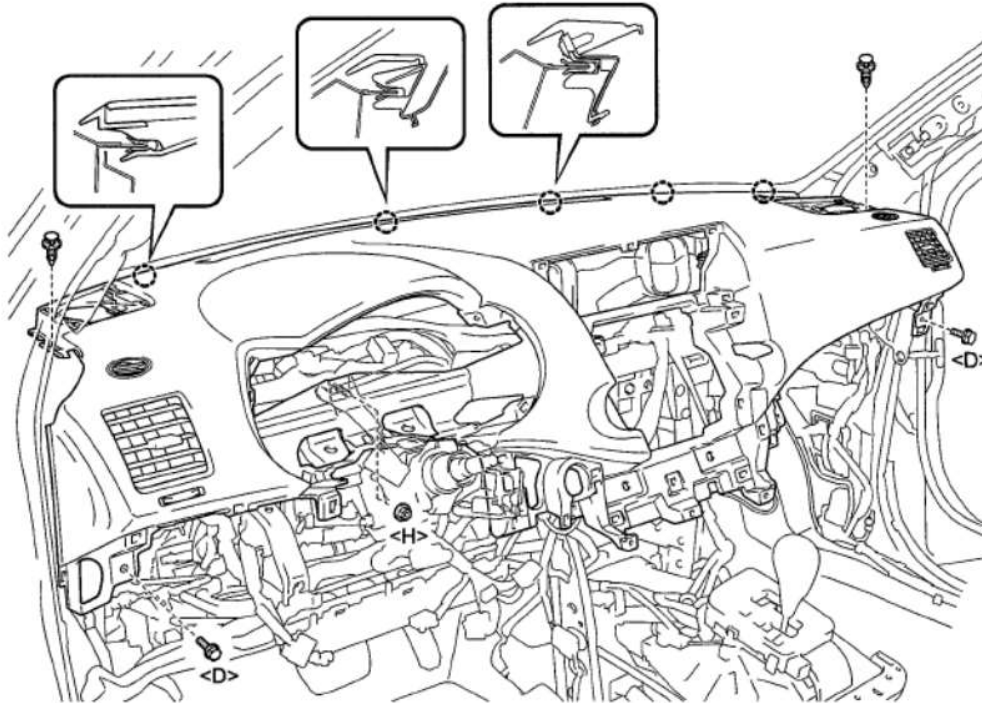
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Fig. 27: Identifying Instrument Panel Safety Pad Assembly Clamp And Passenger Airbag Bolts

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

- e. Remove the 2 clips.
- f. Remove the 2 bolts < D > and nut < H >.
- g. Disengage the 5 claws and remove the instrument panel safety pad assembly.

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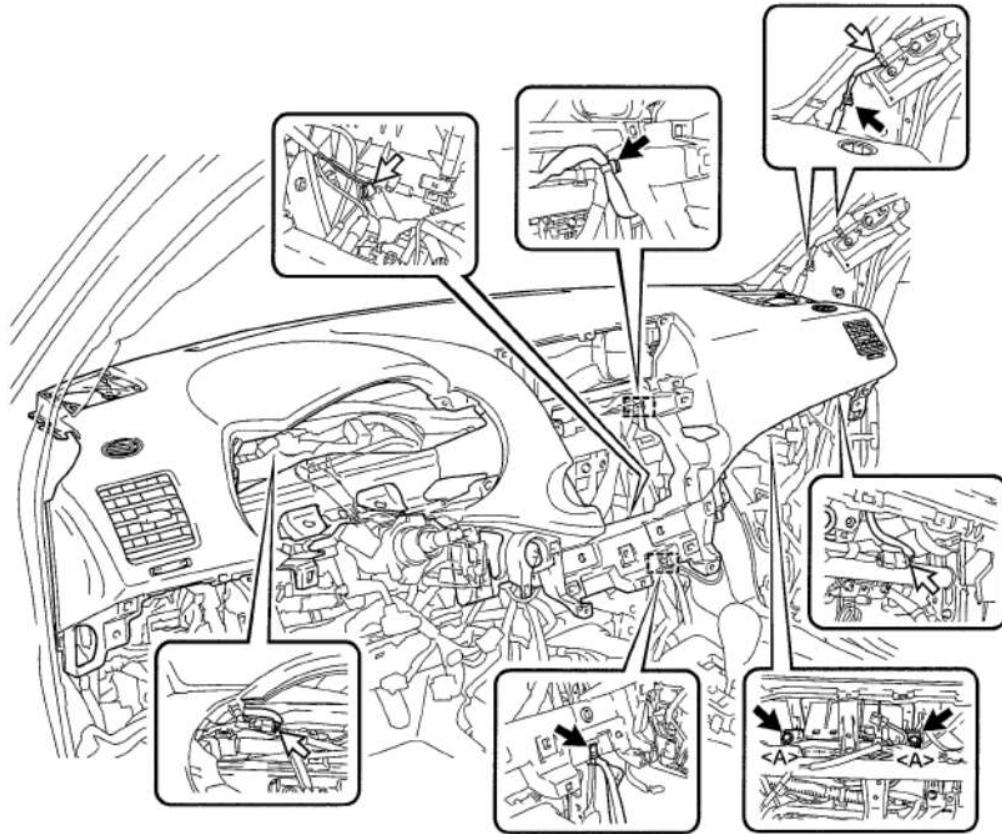
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Fig. 28: Identifying Instrument Panel Safety Pad Assembly Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

45. **REMOVE INSTRUMENT PANEL SAFETY PAD ASSEMBLY (for Glass Antenna Type)**
- Disconnect each connector.
 - Remove the 2 passenger airbag bolts < A >.
 - Disengage each clamp.

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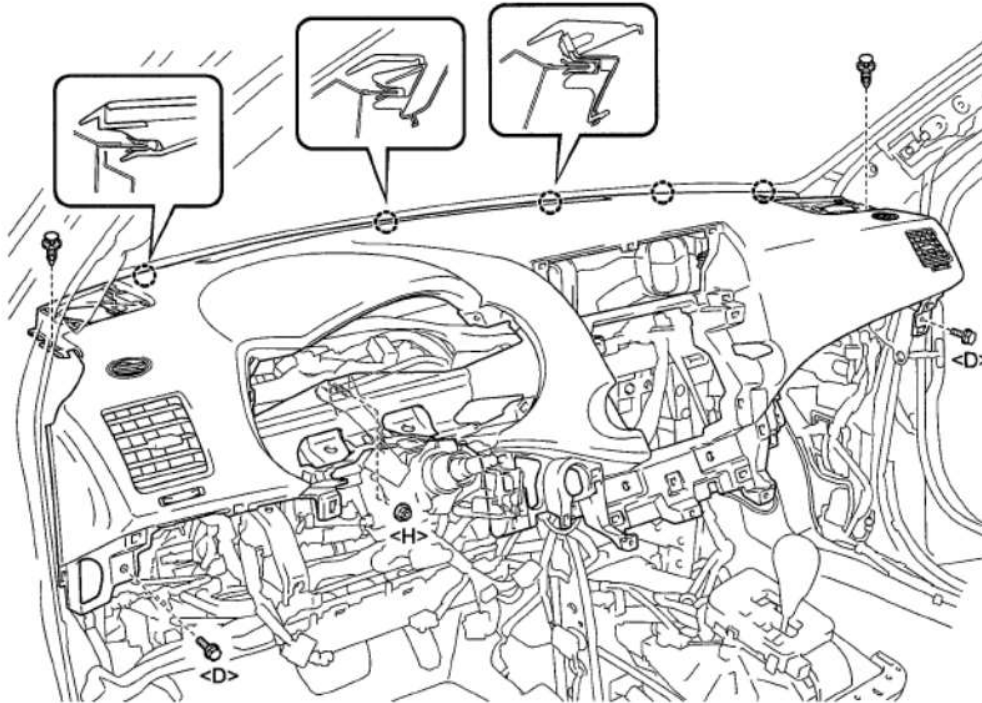
Fig. 29: Identifying Instrument Panel Safety Pad Assembly Clamp And Passenger Airbag Bolts

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

- d. Remove the 2 clips.
- e. Remove the 2 bolts < D > and nut < H >.
- f. Disengage the 5 claws and remove the instrument panel safety pad assembly.

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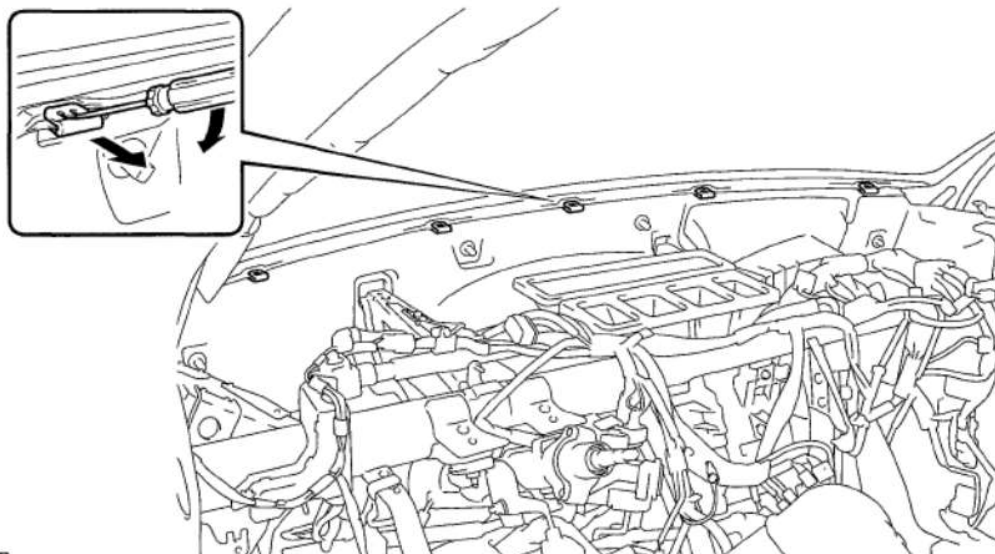
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Fig. 30: Identifying Instrument Panel Safety Pad Assembly Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

46. REMOVE NO. 3 INSTRUMENT PANEL STAY

- a. Using a screwdriver, disengage the claw and remove the 5 No. 3 instrument panel stays as shown in the illustration.



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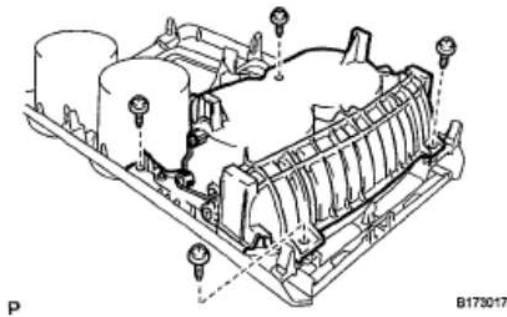
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2009 Toyota Highlander Limited**2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander****Fig. 31: Removing No. 3 Instrument Panel Stays**

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

47. REMOVE INSTRUMENT PANEL CUP HOLDER ASSEMBLY

- a. Remove the 4 screws < G > and the instrument panel cup holder assembly.

**Fig. 32: Identifying Instrument Panel Cup Holder Assembly Screws**

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

48. REMOVE NO. 2 CONSOLE BOX CUP HOLDER

- a. Remove the No. 2 console box cup holder.

**Fig. 33: Identifying No. 2 Console Box Cup Holder**

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

DISASSEMBLY**1. REMOVE NO. 1 HEATER TO REGISTER DUCT**

- a. Remove the 3 screws < F > and the No. 1 heater to register duct.

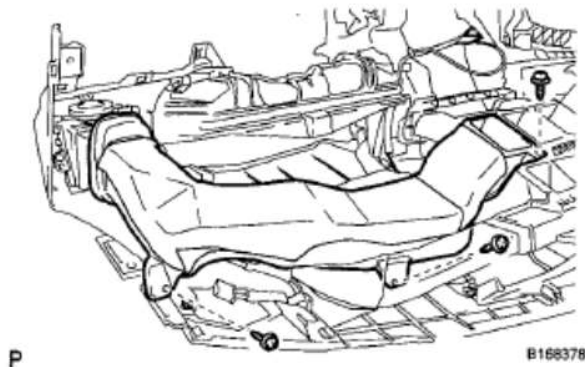
2009 Toyota Highlander Limited**2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander**

Fig. 34: Identifying No. 1 Heater To Register Duct Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. REMOVE NO. 4 HEATER TO REGISTER DUCT

- a. Remove the 3 screws < F > and the No. 4 heater to register duct.

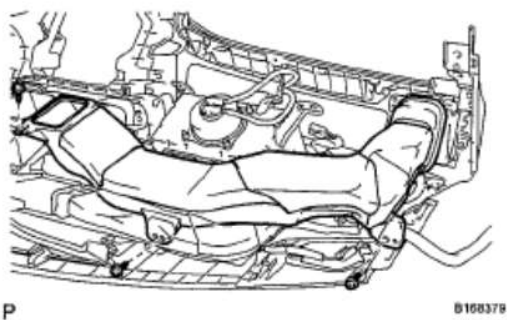


Fig. 35: Identifying No. 4 Heater To Register Duct Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. REMOVE SIDE NO. 1 DEFROSTER NOZZLE DUCT

- a. Remove the screw < F > and the side No. 1 defroster nozzle duct.

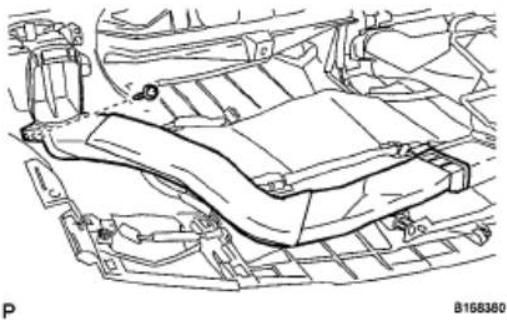


Fig. 36: Identifying Side No. 1 Defroster Nozzle Duct Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2009 Toyota Highlander Limited**2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander****4. REMOVE SIDE NO. 2 DEFROSTER NOZZLE DUCT**

- a. Remove the screw < F > and the side No. 2 defroster nozzle duct.

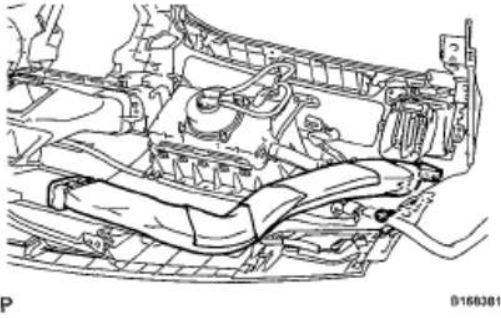


Fig. 37: Identifying Side No. 2 Defroster Nozzle Duct Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. REMOVE DEFROSTER NOZZLE ASSEMBLY

- a. Remove the clip.
- b. Remove the 3 screws < F > and the defroster nozzle assembly.

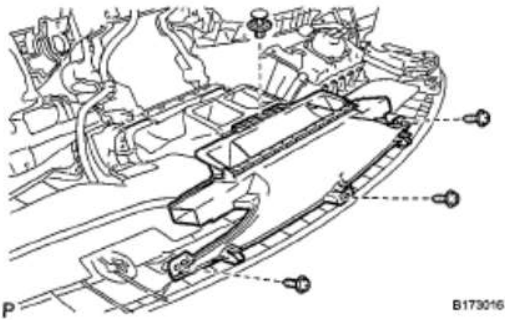
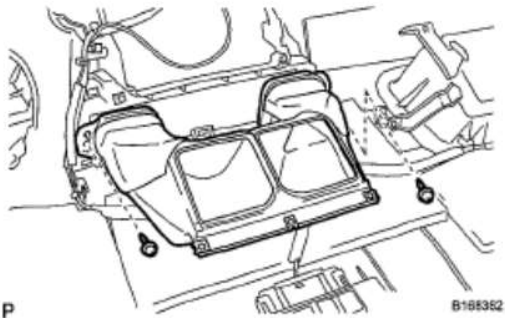


Fig. 38: Identifying Defroster Nozzle Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE CENTER HEATER TO REGISTER SUB DUCT

- a. Remove the 2 screws < F > and the center heater to register sub duct.



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Fig. 39: Identifying Center Heater To Register Sub Duct Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. REMOVE NO. 1 INSTRUMENT PANEL REGISTER ASSEMBLY

- a. Remove the 3 screws < F > and the No. 1 instrument panel register assembly.

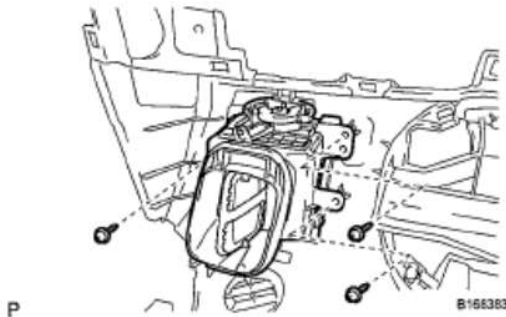


Fig. 40: Identifying No. 1 Instrument Panel Register Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE NO. 2 INSTRUMENT PANEL REGISTER ASSEMBLY

- a. Remove the 3 screws < F > and the No. 2 instrument panel register assembly.

9. REMOVE NAVIGATION ANTENNA ASSEMBLY (See REMOVAL)

10. REMOVE ANTENNA CORD SUB-ASSEMBLY (for Pole Antenna Type) (See REMOVAL)

11. REMOVE ANTENNA CORD SUB-ASSEMBLY (for Glass Antenna Type) (See REMOVAL)

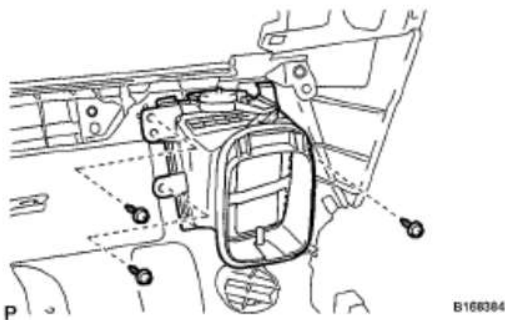


Fig. 41: Identifying No. 2 Instrument Panel Register Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

12. REMOVE NO. 4 INSTRUMENT PANEL WIRE

- a. Disconnect the connector.
- b. Disengage the 5 clamps and remove the No. 4 instrument panel wire.

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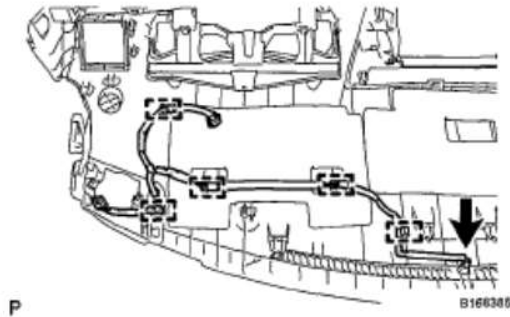


Fig. 42: Identifying No. 4 Instrument Panel Wire Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

13. **REMOVE COOLER SWITCH HOLE COVER (w/o Automatic Light Control System)**
 - a. Disengage the 2 claws and remove the cooler switch hole cover.
14. **REMOVE AUTOMATIC LIGHT CONTROL SENSOR (w/ Automatic Light Control System) (See INSPECTION)**
15. **REMOVE FRONT PASSENGER AIRBAG ASSEMBLY (See REMOVAL)**

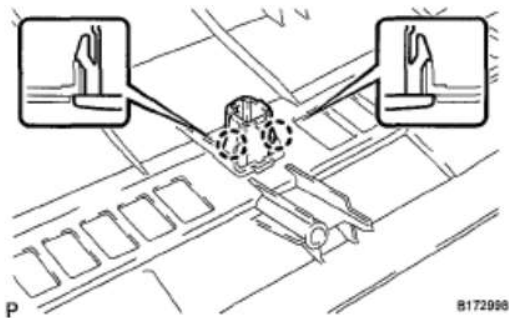


Fig. 43: Identifying Cooler Switch Hole Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REASSEMBLY

1. **INSTALL FRONT PASSENGER AIRBAG ASSEMBLY (See INSTALLATION)**
2. **INSTALL COOLER SWITCH HOLE COVER (w/o Automatic Light Control System)**
 - a. Engage the 2 claws and install the cooler switch hole cover.
3. **INSTALL AUTOMATIC LIGHT CONTROL SENSOR (w/ Automatic Light Control System) (See INSTALLATION)**

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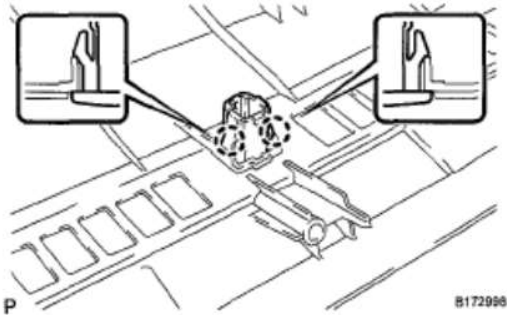


Fig. 44: Identifying Cooler Switch Hole Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. **INSTALL NO. 4 INSTRUMENT PANEL WIRE**
 - a. Engage the 5 clamps.
 - b. Connect the connector and install the No. 4 instrument panel wire.
5. **INSTALL ANTENNA CORD SUB-ASSEMBLY (for Pole Antenna Type) (See INSTALLATION)**
6. **INSTALL ANTENNA CORD SUB-ASSEMBLY (for Glass Antenna Type) (See INSTALLATION)**
7. **INSTALL NAVIGATION ANTENNA ASSEMBLY (See INSTALLATION)**

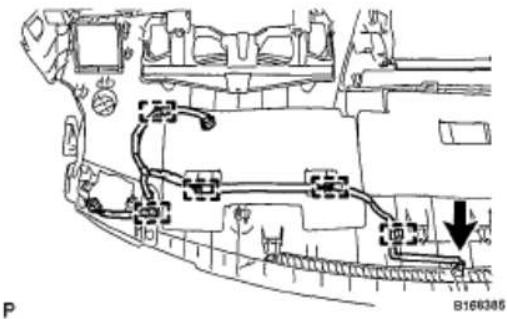
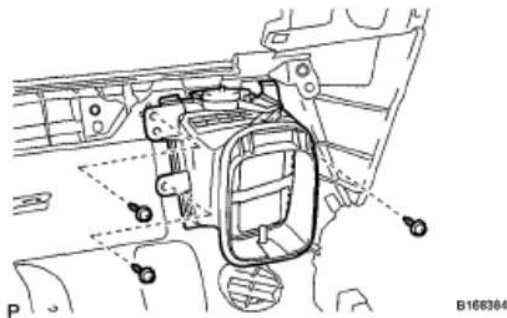


Fig. 45: Identifying No. 4 Instrument Panel Wire Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. **INSTALL NO. 2 INSTRUMENT PANEL REGISTER ASSEMBLY**
 - a. Install the No. 2 instrument panel register assembly with the 3 screws < F >.



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Fig. 46: Identifying No. 2 Instrument Panel Register Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

9. INSTALL NO. 1 INSTRUMENT PANEL REGISTER ASSEMBLY

- a. Install the No. 1 instrument panel register assembly with the 3 screws < F >.

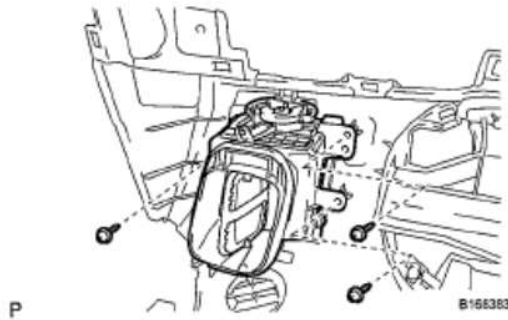


Fig. 47: Identifying No. 1 Instrument Panel Register Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. INSTALL CENTER HEATER TO REGISTER SUB DUCT

- a. Install the center heater to register sub duct with the 2 screws < F >.

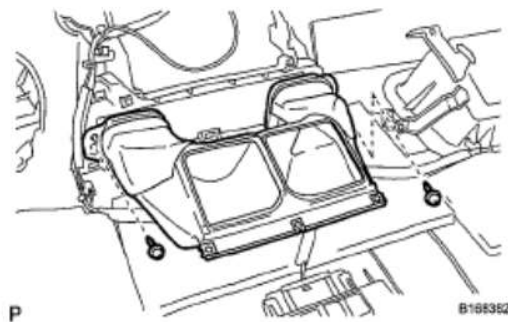


Fig. 48: Identifying Center Heater To Register Sub Duct Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

11. INSTALL DEFROSTER NOZZLE ASSEMBLY

- a. Install the defroster nozzle assembly with the 3 screws < F > and clip.

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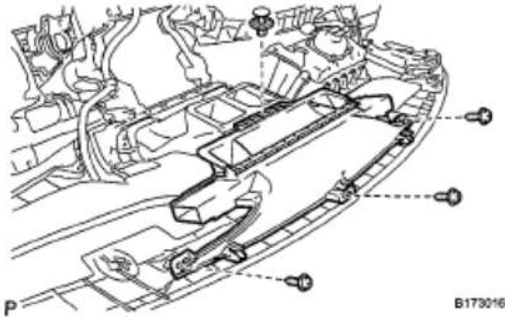


Fig. 49: Identifying Defroster Nozzle Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

12. INSTALL SIDE NO. 2 DEFROSTER NOZZLE DUCT

- Install the side No. 2 defroster nozzle duct with the screw < F >.

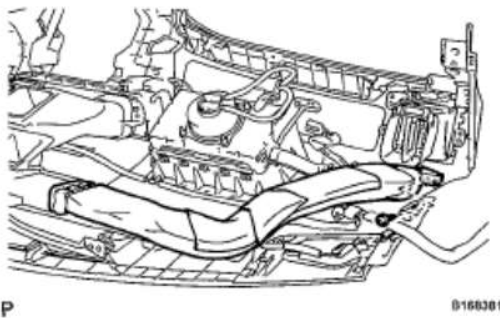


Fig. 50: Identifying Side No. 2 Defroster Nozzle Duct Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

13. INSTALL SIDE NO. 1 DEFROSTER NOZZLE DUCT

- Install the side No. 1 defroster nozzle duct with the screw < F >.

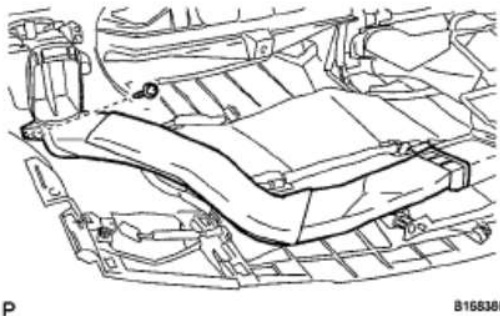


Fig. 51: Identifying Side No. 1 Defroster Nozzle Duct Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

14. INSTALL NO. 4 HEATER TO REGISTER DUCT

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- a. Install the No. 4 heater to register duct with the 3 screws < F >.

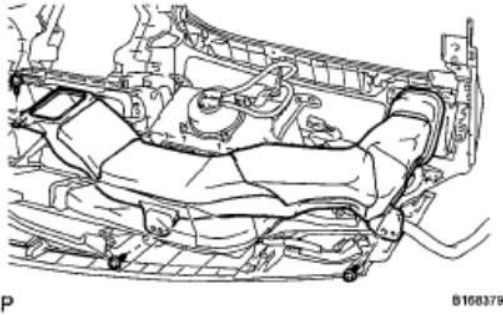


Fig. 52: Identifying No. 4 Heater To Register Duct Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

15. INSTALL NO. 1 HEATER TO REGISTER DUCT

- a. Install the No. 1 heater to register duct with the 3 screws < F >.

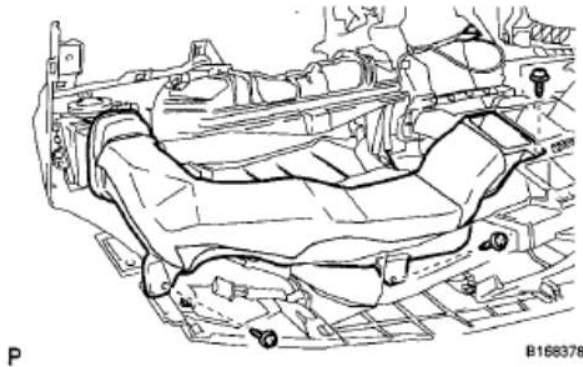


Fig. 53: Identifying No. 1 Heater To Register Duct Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION**1. INSTALL NO. 2 CONSOLE BOX CUP HOLDER**

- a. Install the No. 2 console box cup holder.

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Fig. 54: Identifying No. 2 Console Box Cup Holder
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL INSTRUMENT PANEL CUP HOLDER ASSEMBLY

- a. Install the instrument panel cup holder assembly with the 4 screws < G >.

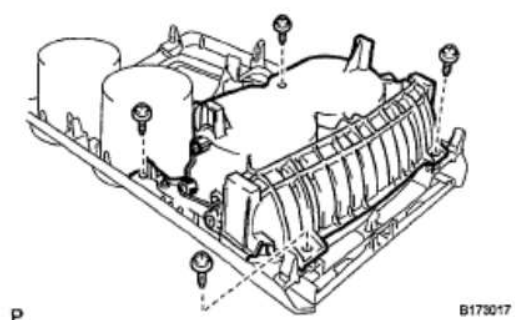


Fig. 55: Identifying Instrument Panel Cup Holder Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. INSTALL NO. 3 INSTRUMENT PANEL STAY

- a. Engage the claw and install the 5 No. 3 instrument panel stays.

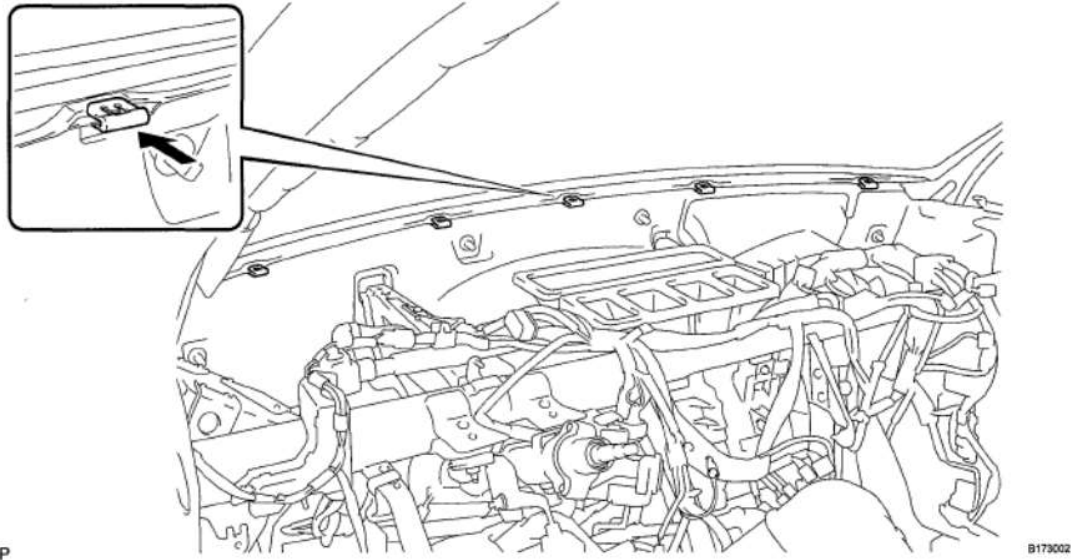
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Fig. 56: Engaging No. 3 Instrument Panel Stays
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

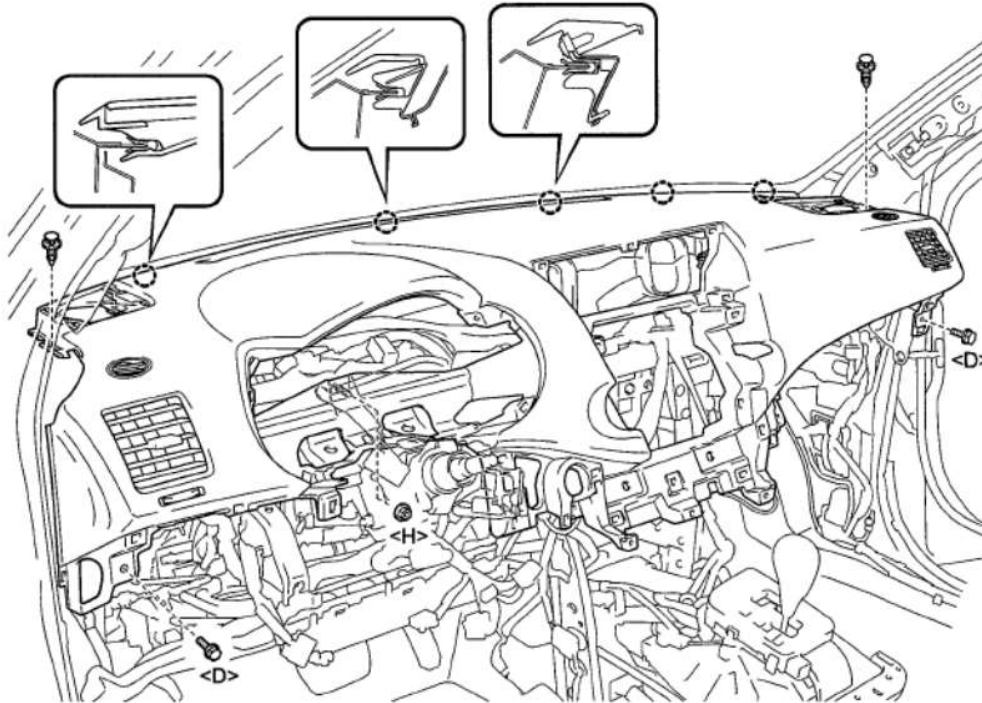
4. **INSTALL INSTRUMENT PANEL SAFETY PAD ASSEMBLY (for Pole Antenna Type)**
 - a. Engage the 5 claws.

NOTE: Do not allow the wire harness to get caught in the claws.

- b. Install the 2 bolts < D > and nut < H >.
 - c. Install the 2 clips.

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Fig. 57: Identifying Instrument Panel Safety Pad Assembly Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

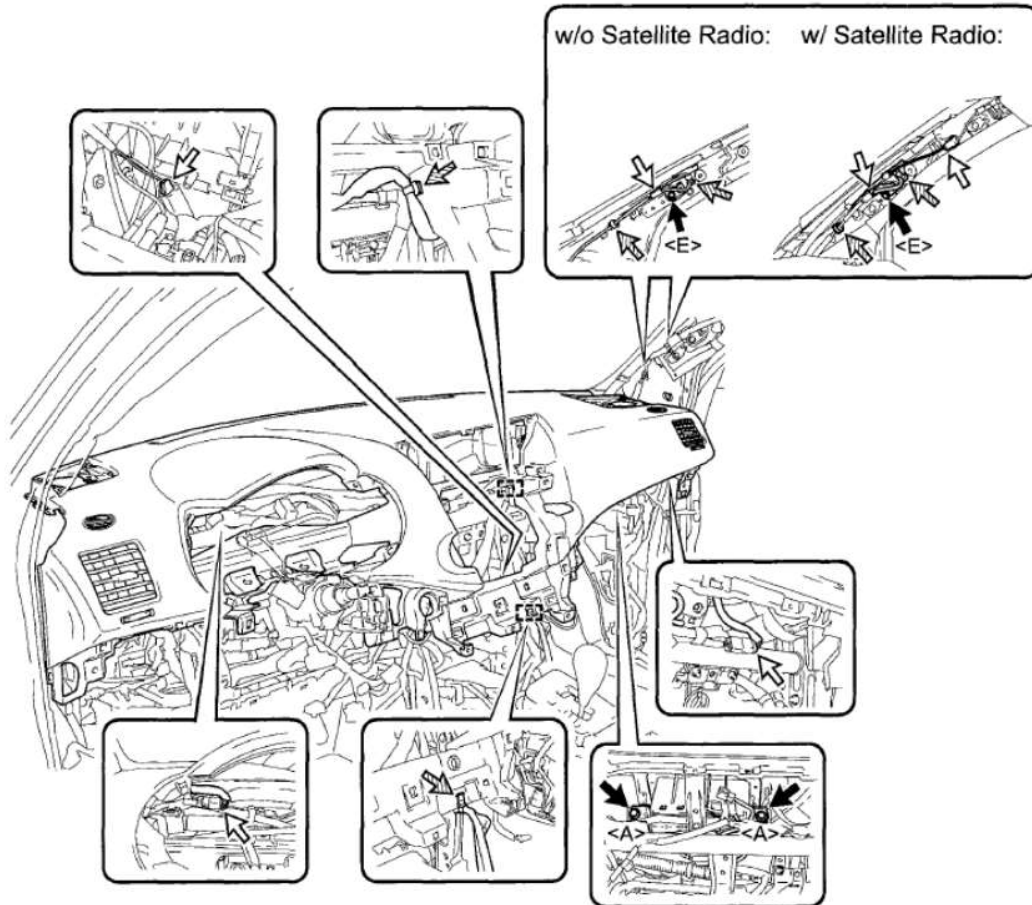
- d. Engage each clamp.
- e. Install the 2 passenger airbag bolts < A >.

Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

- f. Install the bolt < E >.
- g. Connect each connector and install the instrument panel safety pad assembly.

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Fig. 58: Identifying Instrument Panel Safety Pad Assembly Clamp And Passenger Airbag Bolts

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

5. INSTALL INSTRUMENT PANEL SAFETY PAD ASSEMBLY (for Glass Antenna Type)

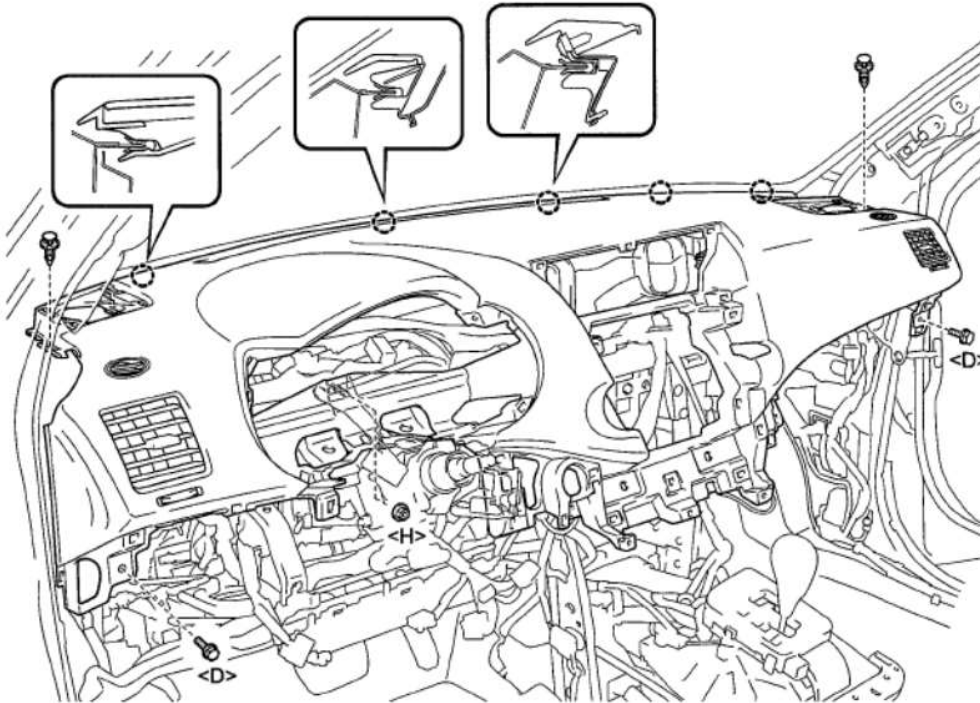
- a. Engage the 5 claws.

NOTE: Do not allow the wire harness to get caught in the claws.

- b. Install the 2 bolts < D > and nut < H >.
- c. Install the 2 clips.

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Fig. 59: Identifying Instrument Panel Safety Pad Assembly Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

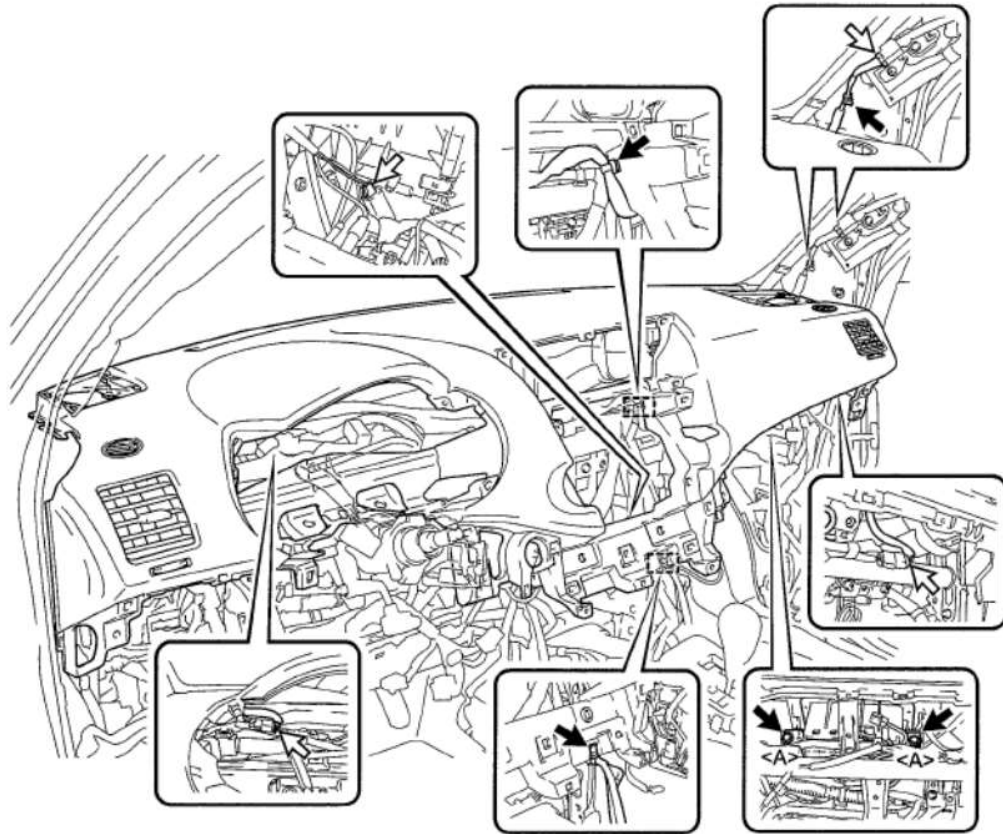
- d. Engage each clamp.
- e. Install the 2 passenger airbag bolts < A >.

Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

- f. Connect each connector and install the instrument panel safety pad assembly.

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Fig. 60: Identifying Instrument Panel Safety Pad Assembly Clamp And Passenger Airbag Bolts

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

6. **CONNECT INSTRUMENT PANEL WIRE ASSEMBLY** (See INSTALLATION)
7. **INSTALL FRONT NO. 2 SPEAKER ASSEMBLY (for LH Side)** (See REMOVAL)
8. **INSTALL NO. 1 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY**
 - a. Engage the 2 guides.
 - b. Engage the 2 claws and 2 clips, and install the No. 1 instrument panel speaker panel sub-assembly.
9. **INSTALL FRONT NO. 2 SPEAKER ASSEMBLY (for RH Side)**

HINT:

Use the same procedure for the RH side and the LH side.

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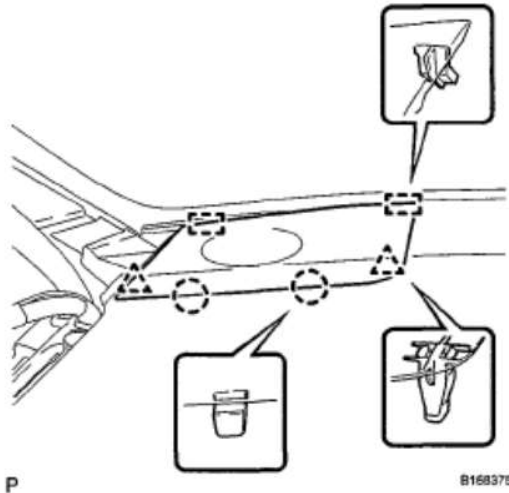


Fig. 61: Identifying No. 1 Instrument Panel Speaker Panel Sub-Assembly Claws, Screws And Guides

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

10. **INSTALL NO. 2 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY**
 - a. Engage the 2 guides.
 - b. Engage the 2 claws and 2 clips, and install the No. 2 instrument panel speaker panel sub-assembly.
11. **INSTALL FRONT PILLAR GARNISH RH** (See INSTALLATION)
12. **CONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP RH** (See INSTALLATION)
13. **INSTALL FRONT PILLAR GARNISH LH** (See INSTALLATION)
14. **CONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP LH** (See INSTALLATION)
15. **INSTALL ENGINE SWITCH (w/ Smart Key System)** (See INSTALLATION)

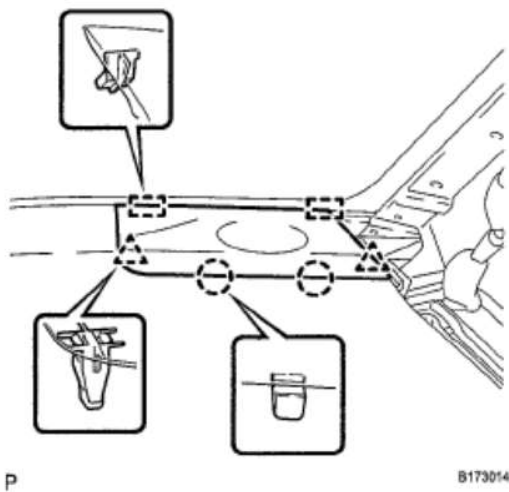


Fig. 62: Identifying No. 2 Instrument Panel Speaker Panel Sub-Assembly Claws, Screws And Guides

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

2009 Toyota Highlander Limited**2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander****16. INSTALL FRONT NO. 2 CONSOLE BOX INSERT**

- a. Engage the claw and 2 guides.
- b. Install the front No. 2 console box insert with the 3 screws < F > and clip.

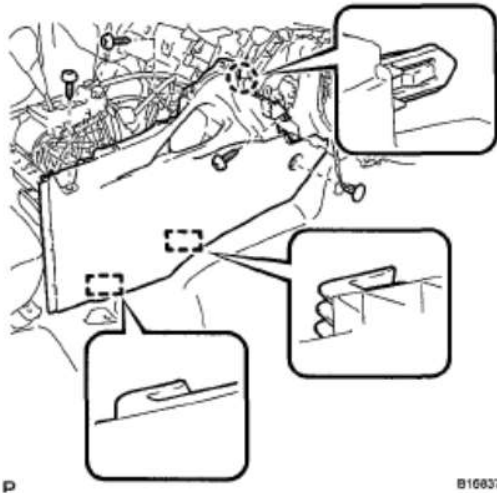


Fig. 63: Identifying Front No. 2 Console Box Insert Claw, Screws And Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

17. INSTALL FRONT NO. 1 CONSOLE BOX INSERT

- a. Engage the claw and 2 guides.
- b. Install the front No. 1 console box insert with the 3 screws < F > and 2 clips.

18. INSTALL CONSOLE BOX ASSEMBLY (w/o Rear Air Conditioning System) (See INSTALLATION)**19. INSTALL CONSOLE BOX ASSEMBLY (w/ Rear Air Conditioning System) (See INSTALLATION)****20. INSTALL LOWER REAR CONSOLE BOX (See INSTALLATION)**

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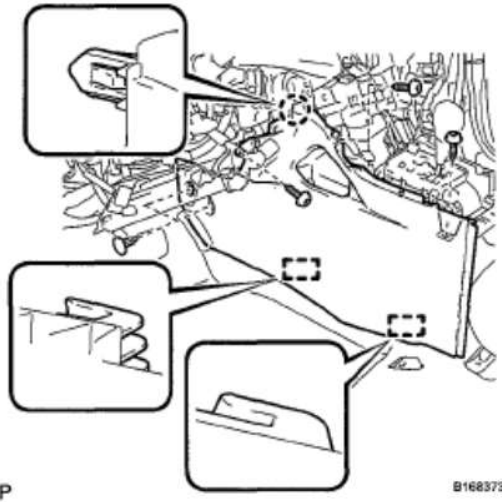


Fig. 64: Identifying Front No. 1 Console Box Insert Claw, Screws And Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

21. **INSTALL NO. 2 CONSOLE BOX DUCT (w/o Rear Air Conditioning System)**
 - a. Install the No. 2 console box duct as shown in the illustration.

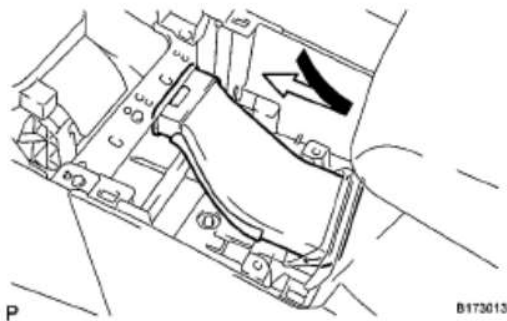


Fig. 65: Installing No. 2 Console Box Duct
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

22. **INSTALL UPPER CONSOLE PANEL SUB-ASSEMBLY**
 - a. Connect the connector.
 - b. Engage the 4 claws and 4 clips, and install the upper console panel sub-assembly.
23. **INSTALL LOWER INSTRUMENT PANEL SUB-ASSEMBLY**
 - a. Connect each connector and clamp.

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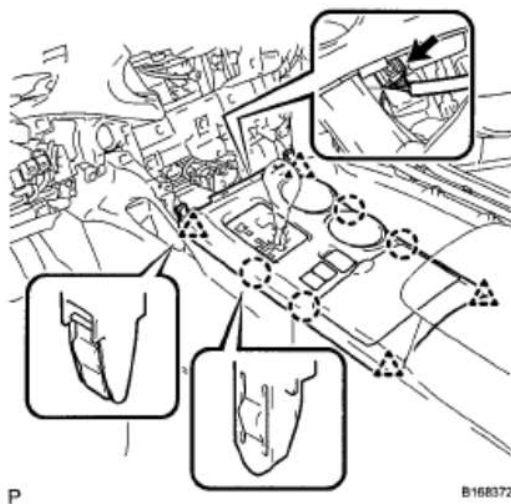


Fig. 66: Locating Upper Console Panel Sub-Assembly Connector, Claws And Clips
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Engage the 4 claws and 3 clips.
- c. Install the lower instrument panel sub-assembly with the 2 bolts < B > and 3 screws < F >.

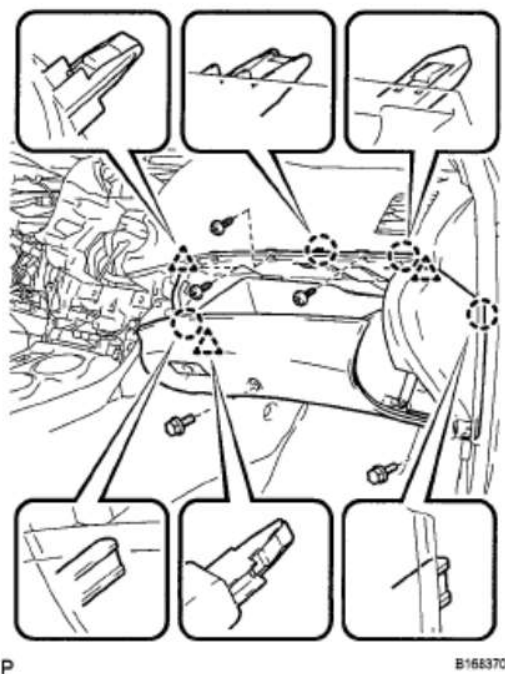


Fig. 67: Identifying Lower Instrument Panel Sub-Assembly Claws And Clips
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

24. INSTALL NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

- a. Engage the 2 guides.

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- b. Engage the 3 claws and install the No. 2 instrument panel under cover sub-assembly.
- 25. **INSTALL COWL SIDE TRIM SUB-ASSEMBLY RH** (See **INSTALLATION**)
- 26. **INSTALL FRONT DOOR SCUFF PLATE RH** (See **INSTALLATION**)

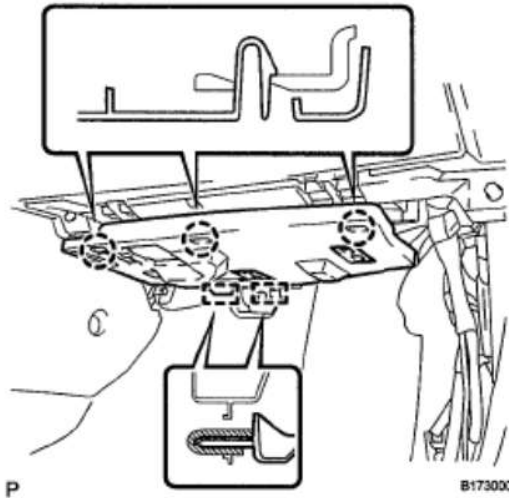


Fig. 68: Identifying No. 2 Instrument Panel Under Cover Sub-Assembly Claws And Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- 27. **INSTALL LOWER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY** (for Manual Air Conditioning System)
 - a. Connect the hood lock control cable assembly.
 - b. Connect each connector.
 - c. Engage the 3 claws and 10 clips.
 - d. Install the lower instrument panel finish panel sub-assembly with the 2 bolts < B >.

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Fig. 69: Identifying Lower Instrument Panel Finish Panel Sub-Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

28. **INSTALL LOWER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY** (for Automatic Air Conditioning System)
- Connect the hood lock control cable assembly.
 - Connect each connector and the aspirator duct.

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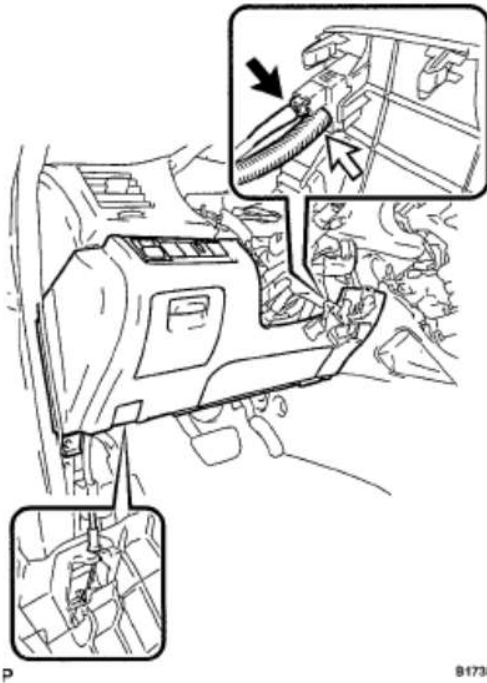
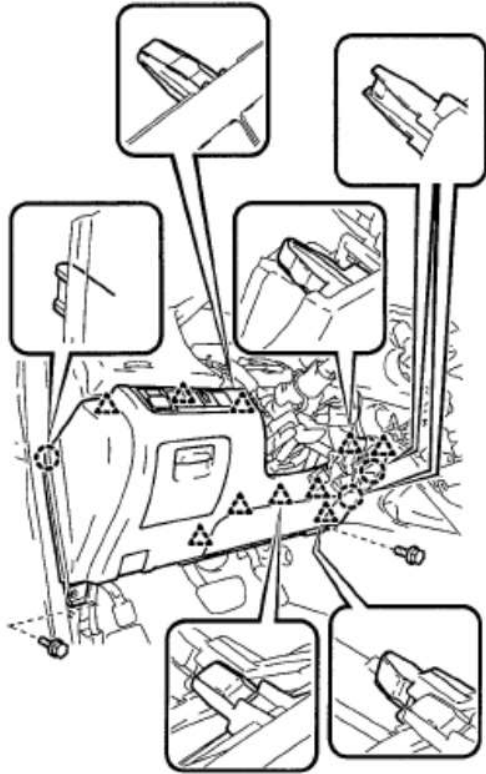


Fig. 70: Locating Lower Instrument Panel Finish Panel Sub-Assembly Connector
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Engage the 3 claws and 10 clips.
- d. Install the lower instrument panel finish panel sub-assembly with the 2 bolts < B >.
- 29. **INSTALL COWL SIDE TRIM SUB-ASSEMBLY LH** (See INSTALLATION)
- 30. **INSTALL FRONT DOOR SCUFF PLATE LH** (See INSTALLATION)
- 31. **INSTALL RADIO RECEIVER ASSEMBLY WITH BRACKET** (w/o Navigation System) (See INSTALLATION)
- 32. **INSTALL NAVIGATION RECEIVER ASSEMBLY WITH BRACKET** (w/ Navigation System) (See INSTALLATION)
- 33. **INSTALL HEATER CONTROL AND ACCESSORY ASSEMBLY** (for Manual Air Conditioning System) (See AIR CONDITIONING PANEL (FOR MANUAL AIR CONDITIONING SYSTEM))
- 34. **INSTALL AIR CONDITIONING CONTROL ASSEMBLY** (for Automatic Air Conditioning System) (See REMOVAL)

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Fig. 71: Identifying Lower Instrument Panel Finish Panel Sub-Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

35. **INSTALL CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (w/o Smart Key System)**
- Apply protective tape to the areas shown in the illustration.
 - Connect each connector.
 - Engage the 10 claws and 8 clips, and install the center instrument cluster finish panel assembly.

NOTE: Do not the damage the instrument panel safety pad assembly and lower instrument panel finish panel sub-assembly.

2009 Toyota Highlander Limited

2009 ACCESSORIES & EQUIPMENT Instrument Panel - Highlander

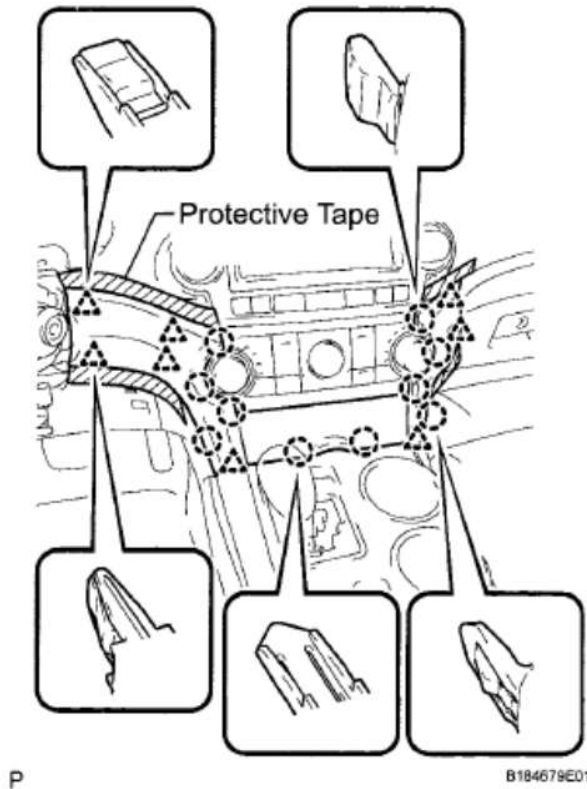


Fig. 72: Identifying Center Instrument Cluster Finish Panel Assembly Claws And Clips
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

36. **INSTALL CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (w/ Smart Key System)**
 - a. Apply protective tape to the areas shown in the illustration.
 - b. Connect each connector.
 - c. Engage the 10 claws and 8 clips, and install the center instrument cluster finish panel assembly.

NOTE: Do not the damage the instrument panel safety pad assembly and lower instrument panel finish panel sub-assembly.

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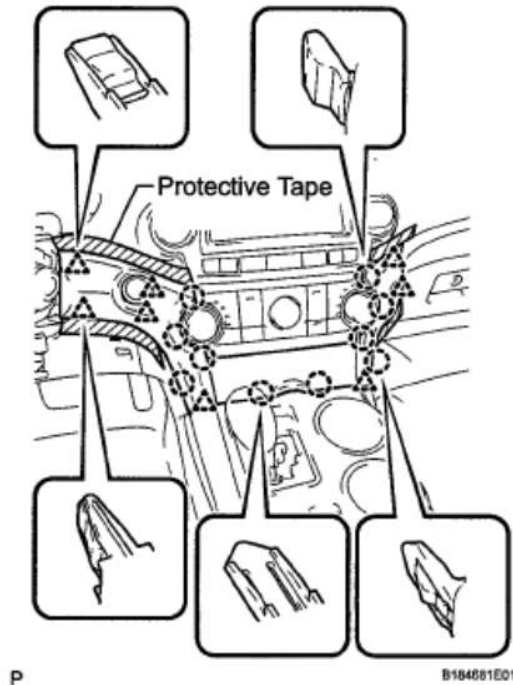


Fig. 73: Identifying Center Instrument Cluster Finish Panel Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

37. INSTALL CENTER INSTRUMENT PANEL REGISTER ASSEMBLY

- a. Engage the 2 claws and 5 clips, and install the center instrument panel register assembly.

38. INSTALL COMBINATION METER ASSEMBLY

- a. Connect the connector.

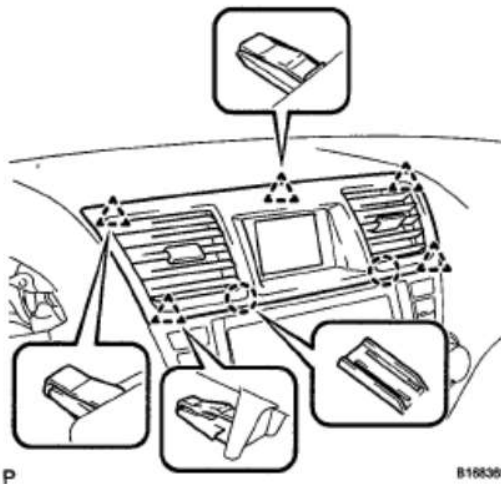


Fig. 74: Identifying Center Instrument Panel Register Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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- b. Install the combination meter assembly with the 4 screws < F >.

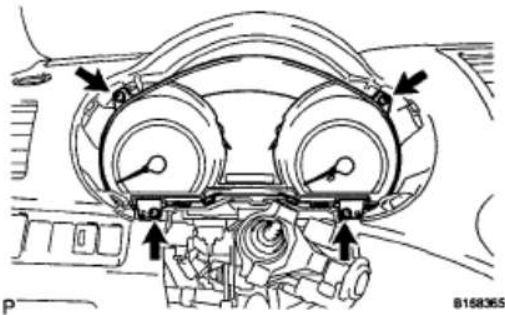


Fig. 75: Locating Combination Meter Assembly Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

39. INSTALL INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY

- a. Engage the 4 claws and 4 clips, and install the instrument cluster finish panel assembly.

40. POSITION FRONT WHEELS STRAIGHT AHEAD

41. INSTALL TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY (See INSTALLATION)

42. INSTALL STEERING COLUMN COVER (See INSTALLATION)

43. ADJUST SPIRAL CABLE SUB-ASSEMBLY (See INSTALLATION)

44. INSTALL STEERING WHEEL ASSEMBLY (See INSTALLATION)

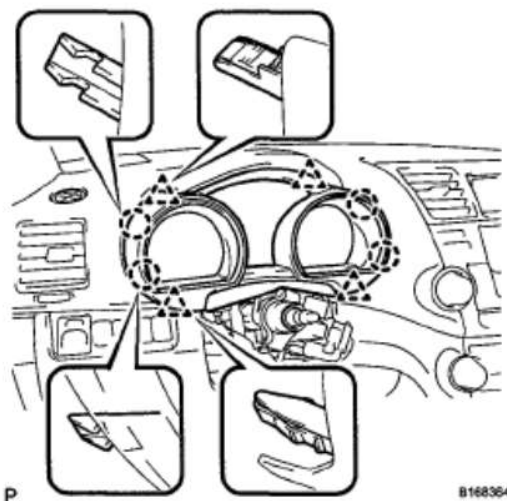


Fig. 76: Identifying Instrument Cluster Finish Panel Assembly Claws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

45. INSPECT STEERING WHEEL CENTER POINT

46. INSTALL STEERING PAD (See INSTALLATION)

47. INSTALL LOWER NO. 2 STEERING WHEEL COVER (See INSTALLATION)

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- 48. **INSTALL LOWER NO. 3 STEERING WHEEL COVER** (See INSTALLATION)
- 49. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected (See INITIALIZATION).

- 50. **INSPECT STEERING PAD** (See INSTALLATION)
- 51. **INSPECT SRS WARNING LIGHT**

(See DIAGNOSIS SYSTEM)