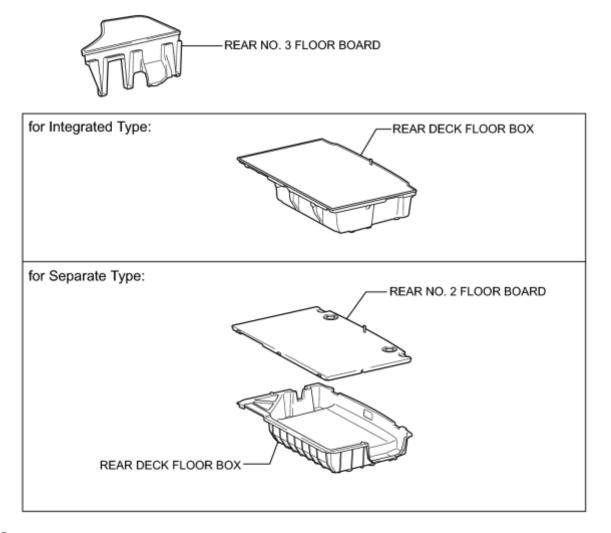
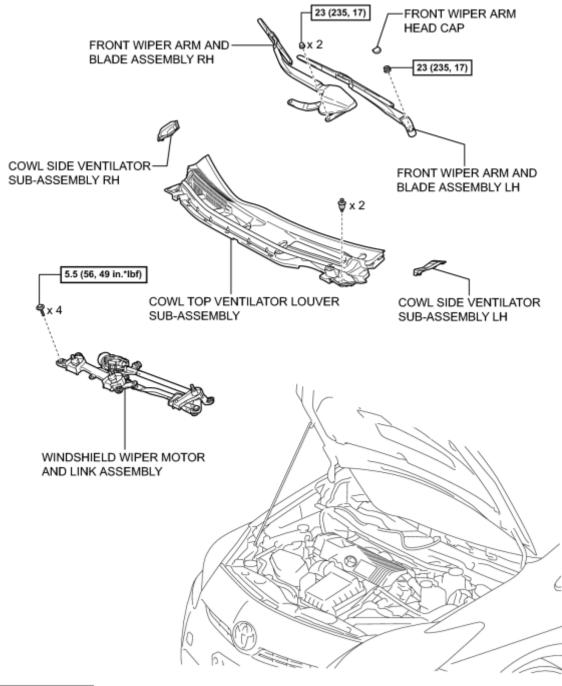
COMPONENTS

ILLUSTRATION

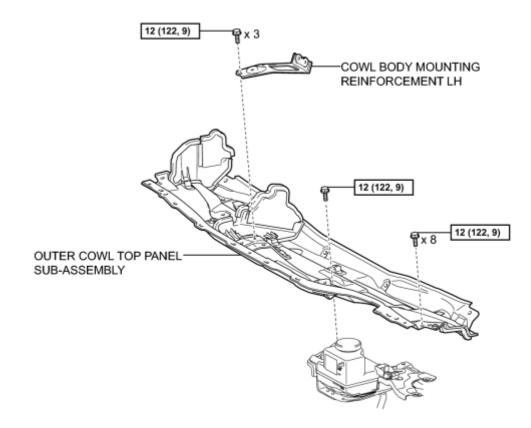


Ρ



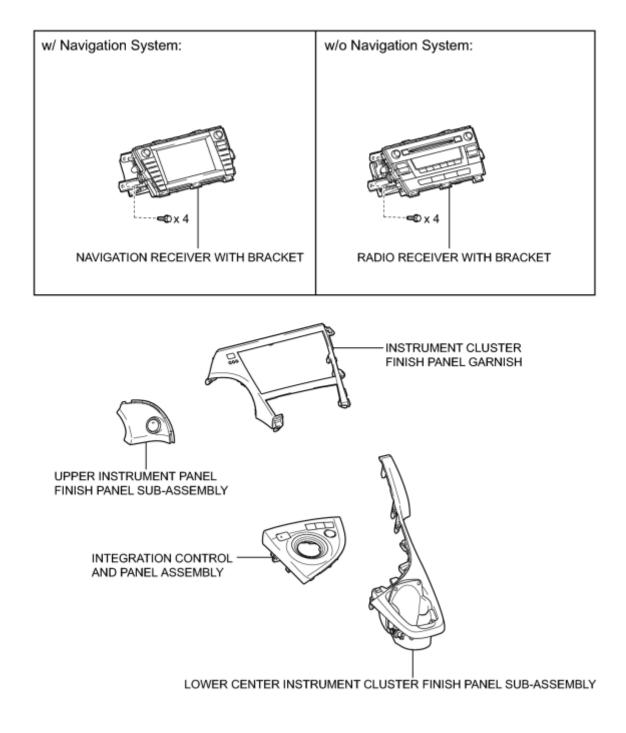
N*m (kgf*cm, ft.*lbf): Specified torque

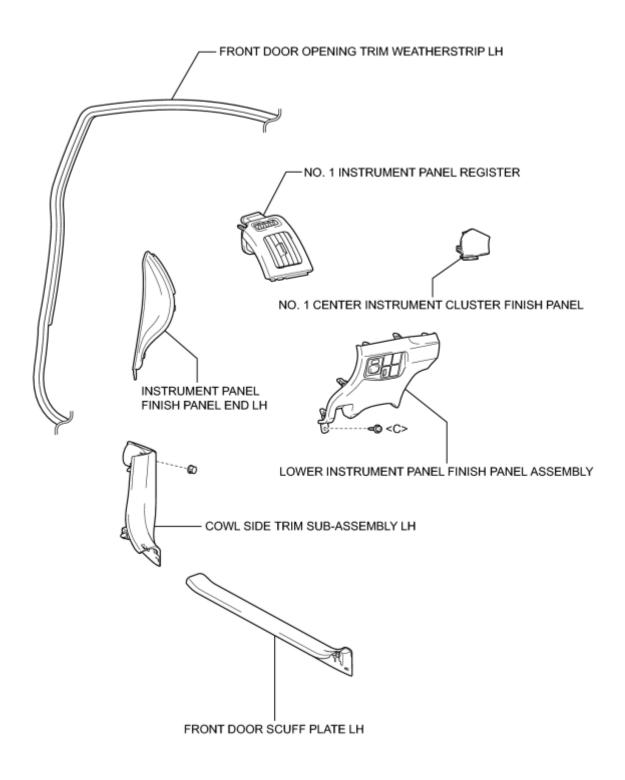
Ρ



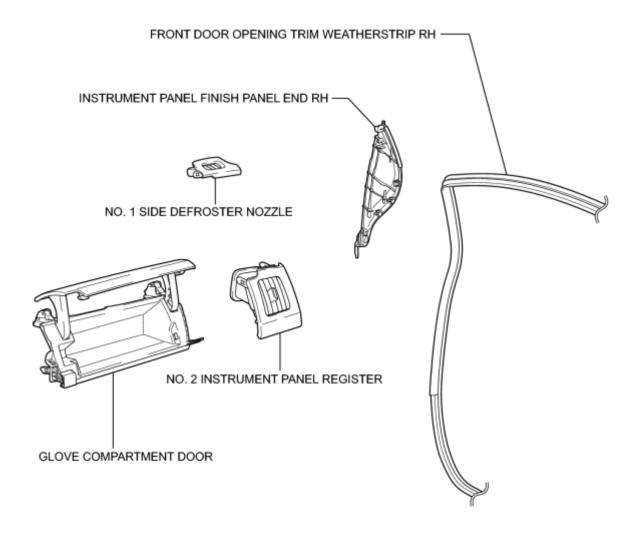
N*m (kgf*cm, ft.*lbf) : Specified torque

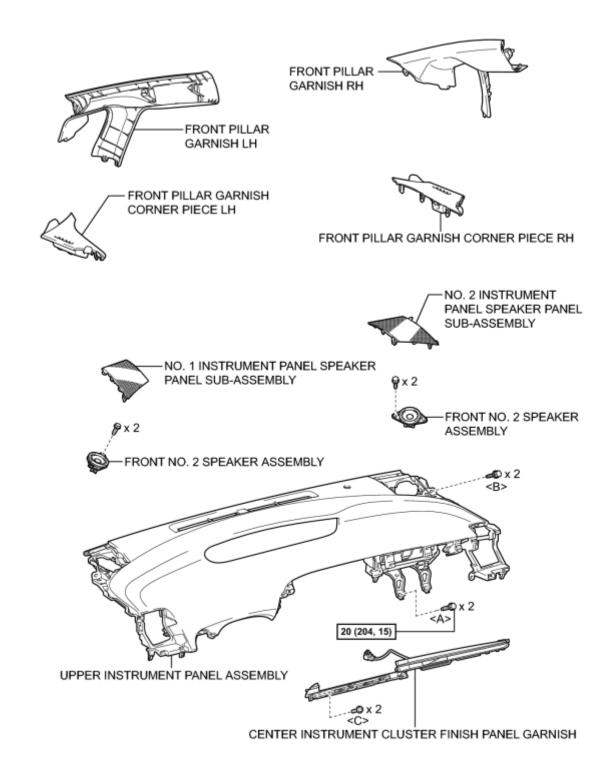
Ρ





ILLUSTRATION



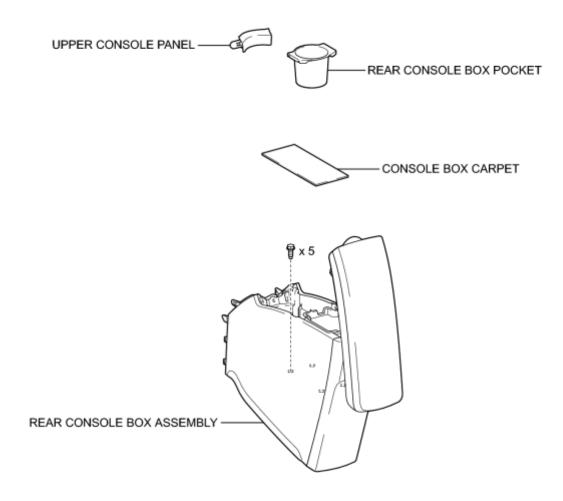


N*m (kgf*cm, ft.*lbf) : Specified torque

Ρ

ILLUSTRATION

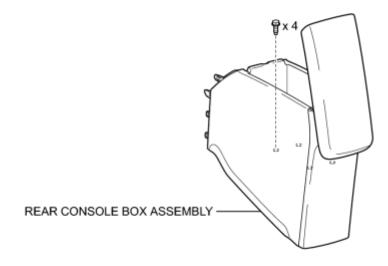
w/ Power Outlet Socket:



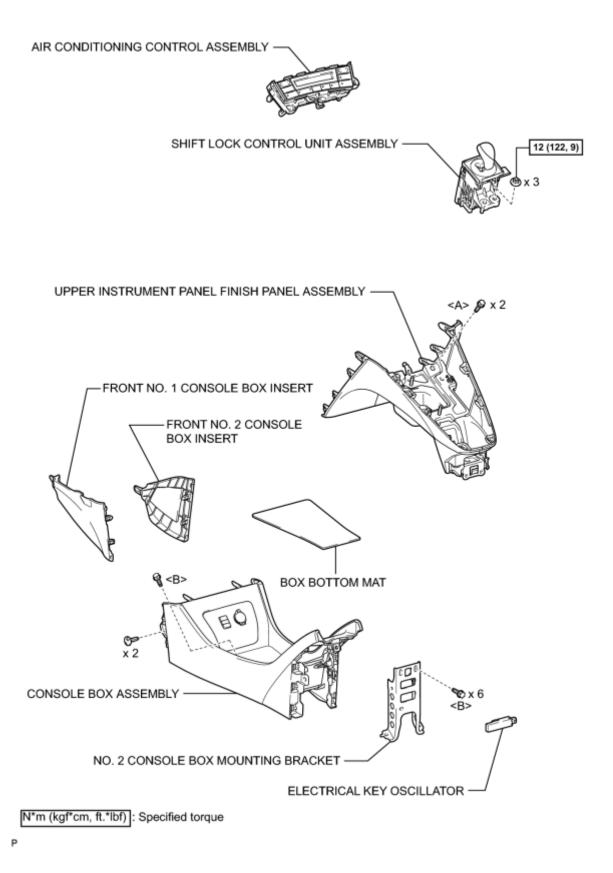
Ρ

w/o Power Outlet Socket:

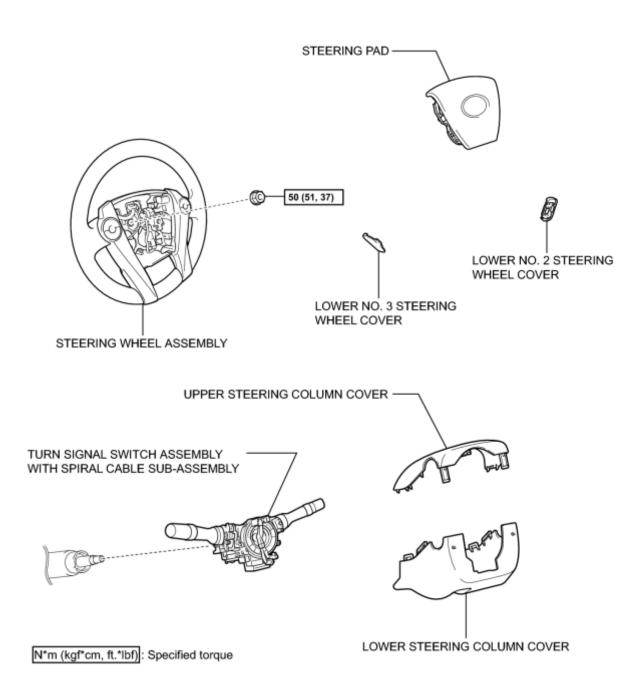


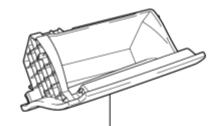


Ρ



ILLUSTRATION

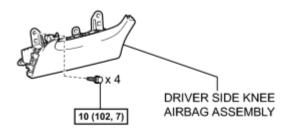




GLOVE COMPARTMENT DOOR ASSEMBLY

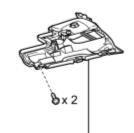




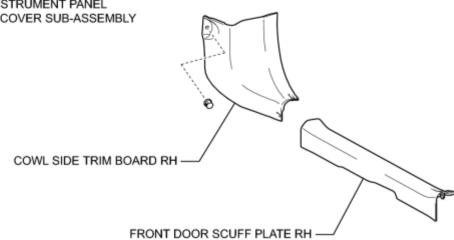


CO SE SE

NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY



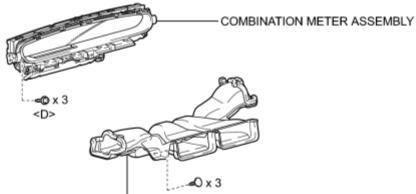
NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY



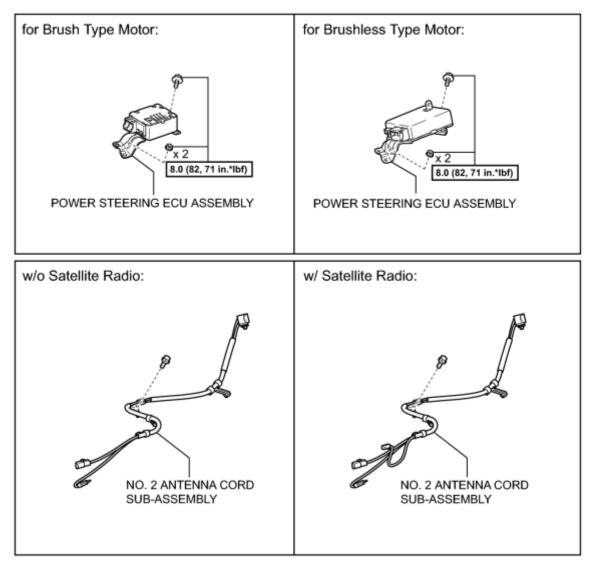
N*m (kgf*cm, ft.*lbf) : Specified torque

Р

ILLUSTRATION



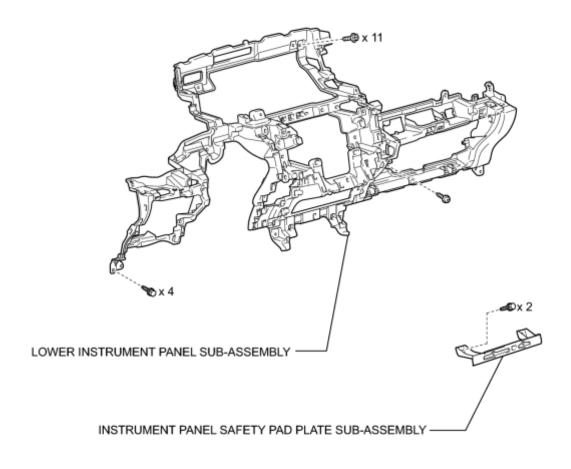
NO. 1 HEATER TO REGISTER DUCT

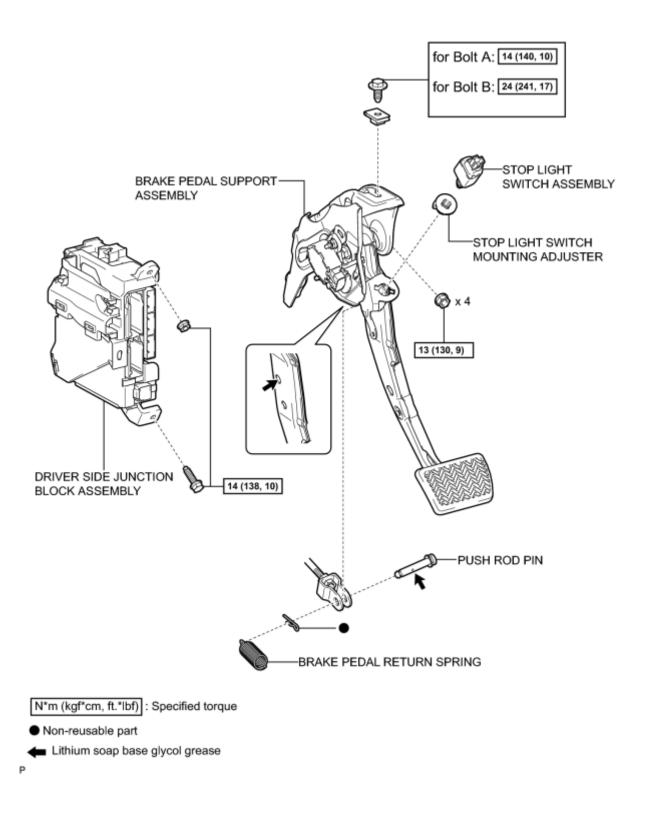


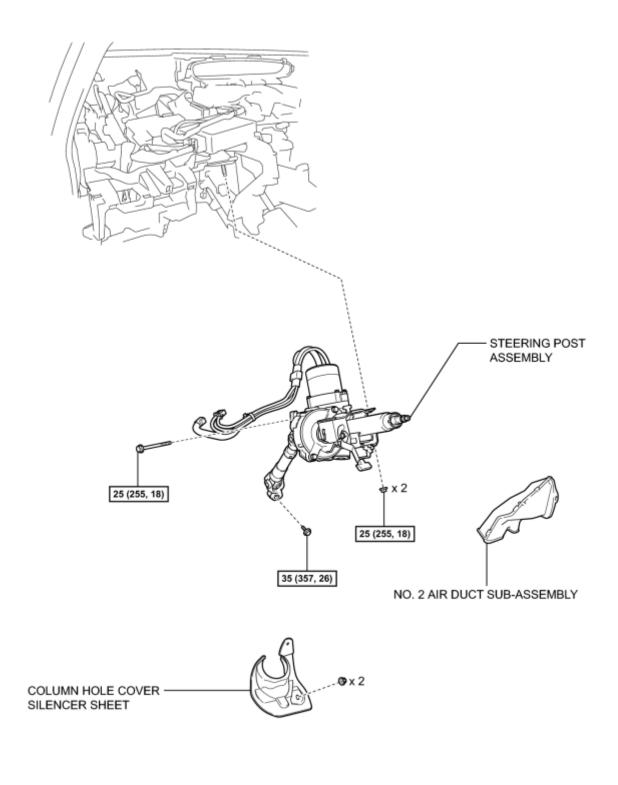
N*m (kgf*cm, ft.*lbf) : Specified torque

Ρ

ILLUSTRATION



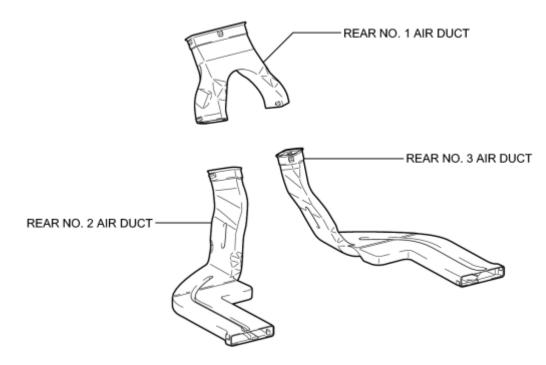


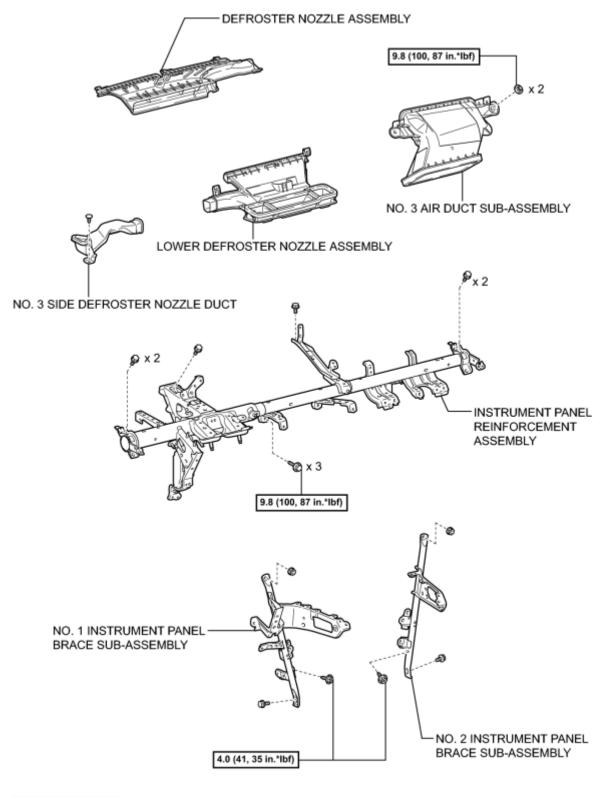


N*m (kgf*cm, ft.*lbf): Specified torque

С

ILLUSTRATION

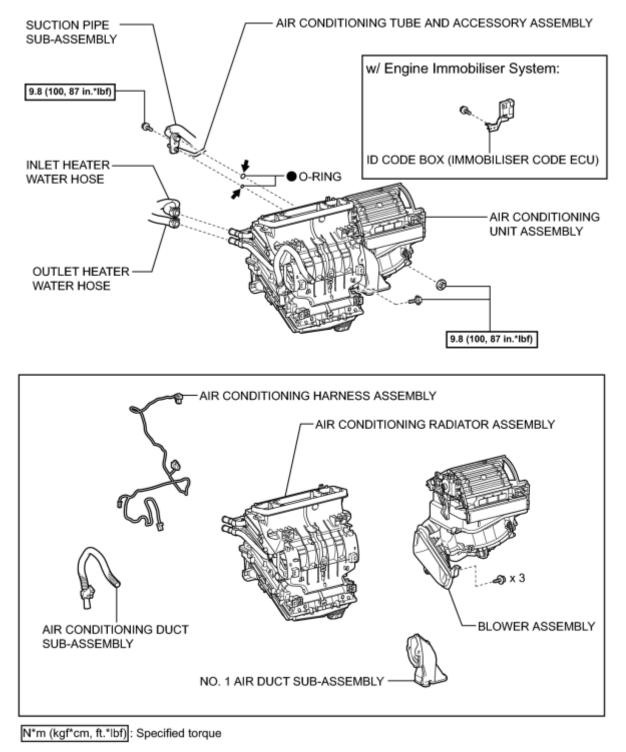




N*m (kgf*cm, ft.*lbf): Specified torque

Ρ

ILLUSTRATION



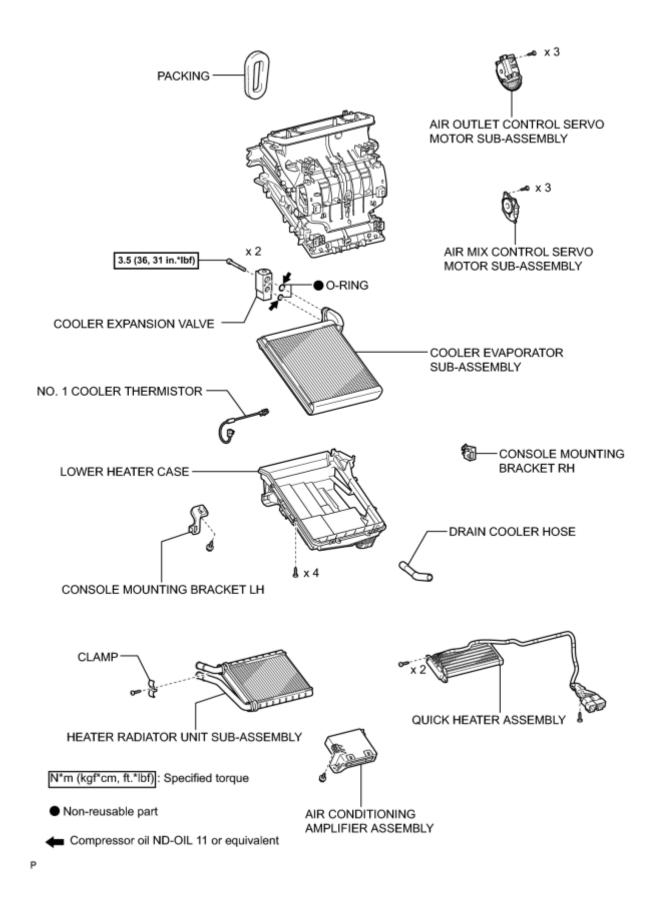


Compressor oil ND-OIL 11 or equivalent

ILLUSTRATION

2010 Toyota Prius

P



REMOVAL

1. PRECAUTION

INFO

HINT:

Before disconnecting the cable, set the air conditioning control switch to DEF-MODE. (for Automatic Air Conditioning System)

2. RECOVER REFRIGERANT FROM REFRIGERATION SYSTEM

3. ALIGN FRONT WHEELS STRAIGHT AHEAD

4. REMOVE REAR NO. 2 FLOOR BOARD (for Separate Type)_____

5. REMOVE REAR DECK FLOOR BOX

6. REMOVE REAR NO. 3 FLOOR BOARD

7. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected

8. REMOVE FRONT WIPER ARM HEAD CAP

9. REMOVE FRONT WIPER ARM AND BLADE ASSEMBLY LH_

10. REMOVE FRONT WIPER ARM AND BLADE ASSEMBLY RH_

11. REMOVE COWL SIDE VENTILATOR SUB-ASSEMBLY LH

12. REMOVE COWL SIDE VENTILATOR SUB-ASSEMBLY RH

13. REMOVE COWL TOP VENTILATOR LOUVER SUB-ASSEMBLY

14. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

15. REMOVE COWL BODY MOUNTING REINFORCEMENT LH_

16. REMOVE OUTER COWL TOP PANEL SUB-ASSEMBLY

17. DISCONNECT SUCTION PIPE SUB-ASSEMBLY



(a) Remove the bolt and slide the hook connector.

- (b) Disconnect the suction pipe assembly.
- (c) Remove the O-ring from the suction pipe sub-assembly.

NOTICE:

Seal the openings of the disconnected parts using vinyl tape to prevent entry of moisture and foreign matter.

18. DISCONNECT AIR CONDITIONING TUBE AND ACCESSORY ASSEMBLY

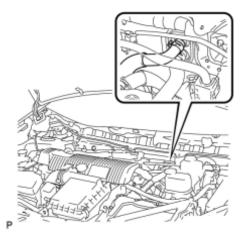
(a) Disconnect the air conditioning tube and accessory assembly.

(b) Remove the O-ring from the air conditioning tube and accessory assembly.

NOTICE:

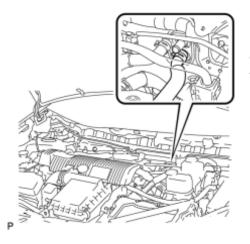
Seal the openings of the disconnected parts using vinyl tape to prevent entry of moisture and foreign matter.

19. DISCONNECT INLET HEATER WATER HOSE



(a) Using pliers, grip the claws of the clip and slide the clip to disconnect the inlet heater water hose.

- Do not apply excessive force to the inlet heater water hose.
- Prepare a drain pan or cloth in case the coolant leaks.



(a) Using pliers, grip the claws of the clip and slide the clip to disconnect the outlet heater water hose.

- Do not apply excessive force to the outlet heater water hose.
- Prepare a drain pan or cloth in case the coolant leaks.

- 21. REMOVE INTEGRATION CONTROL AND PANEL ASSEMBLY
- 22. REMOVE LOWER CENTER INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY
- 23. REMOVE INSTRUMENT CLUSTER FINISH PANEL GARNISH
- 24. REMOVE UPPER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY
- 25. REMOVE RADIO RECEIVER WITH BRACKET (w/o Navigation System)
- 26. REMOVE NAVIGATION RECEIVER WITH BRACKET (w/ Navigation System)_____
- 27. REMOVE FRONT DOOR SCUFF PLATE LH
- 28. REMOVE COWL SIDE TRIM SUB-ASSEMBLY LH
- 29. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY
- 30. REMOVE NO. 1 INSTRUMENT PANEL REGISTER
- 31. REMOVE NO. 1 CENTER INSTRUMENT CLUSTER FINISH PANEL
- 32. DISCONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP LH
- 33. REMOVE INSTRUMENT PANEL FINISH PANEL END LH_
- 34. REMOVE NO. 1 SIDE DEFROSTER NOZZLE
- 35. REMOVE NO. 2 INSTRUMENT PANEL REGISTER
- 36. REMOVE GLOVE COMPARTMENT DOOR

37. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP RH

HINT:

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

38. REMOVE INSTRUMENT PANEL FINISH PANEL END RH

39. REMOVE FRONT PILLAR GARNISH LH_

40. REMOVE FRONT PILLAR GARNISH CORNER PIECE LH

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

42. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY

43. REMOVE FRONT PILLAR GARNISH RH

HINT:

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

44. REMOVE FRONT PILLAR GARNISH CORNER PIECE RH

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

46. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY

HINT:

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

47. REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL GARNISH

48. DISCONNECT INSTRUMENT PANEL WIRE

49. REMOVE UPPER INSTRUMENT PANEL ASSEMBLY

50. REMOVE REAR CONSOLE BOX POCKET (w/ Power Outlet Socket)_____

51. REMOVE UPPER CONSOLE PANEL (w/ Power Outlet Socket)_____

52. REMOVE CONSOLE BOX CARPET_

53. REMOVE REAR CONSOLE BOX ASSEMBLY (w/ Power Outlet Socket)_

54. REMOVE REAR CONSOLE BOX ASSEMBLY (w/o Power Outlet Socket)_____

55. REMOVE ELECTRICAL KEY OSCILLATOR

56. REMOVE NO. 2 CONSOLE BOX MOUNTING BRACKET 57. REMOVE FRONT NO. 1 CONSOLE BOX INSERT 58. REMOVE FRONT NO. 2 CONSOLE BOX INSERT 59. REMOVE BOX BOTTOM MAT 60. SEPARATE CONSOLE BOX ASSEMBLY 61. REMOVE AIR CONDITIONING CONTROL ASSEMBLY 62. REMOVE SHIFT LOCK CONTROL UNIT ASSEMBLY 63. REMOVE UPPER INSTRUMENT PANEL FINISH PANEL ASSEMBLY 64. REMOVE CONSOLE BOX ASSEMBLY 65. REMOVE NO. 1 SWITCH HOLE BASE 66. REMOVE LOWER NO. 3 STEERING WHEEL COVER 67. REMOVE LOWER NO. 2 STEERING WHEEL COVER 68. REMOVE STEERING PAD 69. REMOVE STEERING WHEEL ASSEMBLY 70. REMOVE LOWER STEERING COLUMN COVER 71. REMOVE UPPER STEERING COLUMN COVER 72. REMOVE TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY 73. REMOVE NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY 74. REMOVE DRIVER SIDE KNEE AIRBAG ASSEMBLY 75. REMOVE NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY 76. REMOVE GLOVE COMPARTMENT DOOR ASSEMBLY 77. REMOVE FRONT DOOR SCUFF PLATE RH HINT:

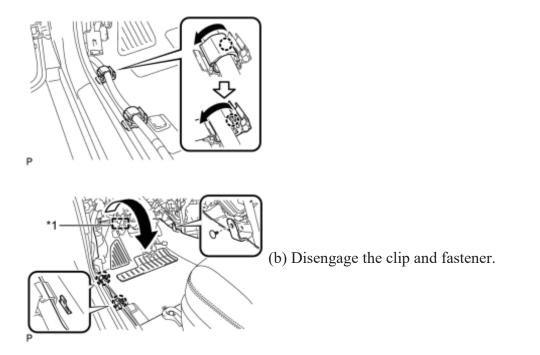
Use the same procedure for the RH side and LH side.

78. REMOVE COWL SIDE TRIM BOARD RH

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

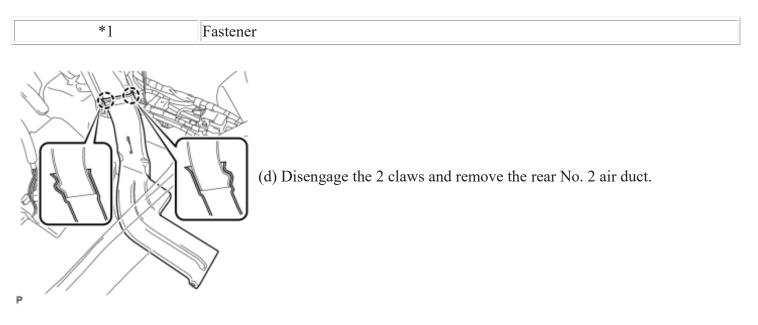
- 79. REMOVE NO. 1 HEATER TO REGISTER DUCT
- 80. REMOVE COMBINATION METER ASSEMBLY
- 81. REMOVE POWER STEERING ECU ASSEMBLY (for Brush Type Motor)_____
- 82. REMOVE POWER STEERING ECU ASSEMBLY (for Brushless Type Motor)_____
- 83. REMOVE INSTRUMENT PANEL SAFETY PAD PLATE SUB-ASSEMBLY (for LHD)
- 84. REMOVE NO. 2 ANTENNA CORD SUB-ASSEMBLY
- 85. REMOVE LOWER INSTRUMENT PANEL SUB-ASSEMBLY
- 86. REMOVE DRIVER SIDE JUNCTION BLOCK ASSEMBLY
- 87. REMOVE STOP LIGHT SWITCH ASSEMBLY
- 88. REMOVE STOP LIGHT SWITCH MOUNTING ADJUSTER
- 89. REMOVE BRAKE PEDAL RETURN SPRING
- 90. REMOVE PUSH ROD PIN
- 91. REMOVE BRAKE PEDAL SUPPORT ASSEMBLY
- 92. REMOVE NO. 2 AIR DUCT SUB-ASSEMBLY
- 93. REMOVE COLUMN HOLE COVER SILENCER SHEET
- 94. SEPARATE NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY
- 95. REMOVE STEERING POST ASSEMBLY
- for Brush Type Motor:
- for Brushless Type Motor:
- 96. REMOVE REAR NO. 2 AIR DUCT (w/ Rear Air Duct)

(a) Disengage each claw to open the 2 door scuff plate clamps as shown in the illustration.

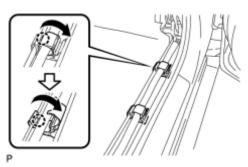


(c) Disengage the 2 claws and turn back the floor carpet as shown in the illustration.

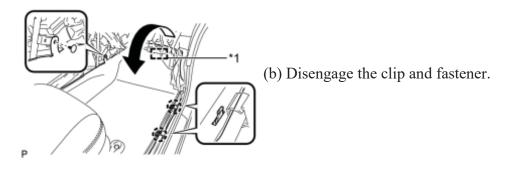
Text in Illustration



97. REMOVE REAR NO. 3 AIR DUCT (w/ Rear Air Duct)

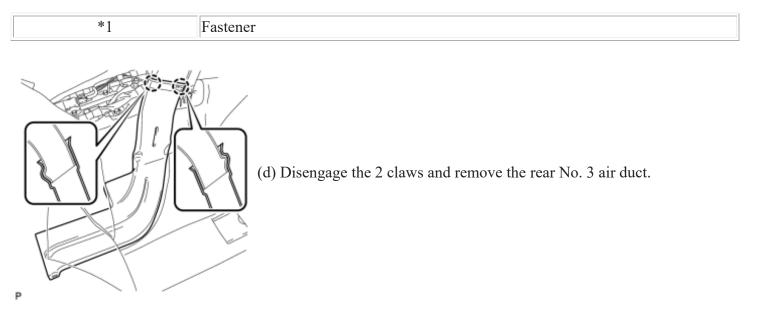


(a) Disengage each claw to open the 2 door scuff plate clamps as shown in the illustration.

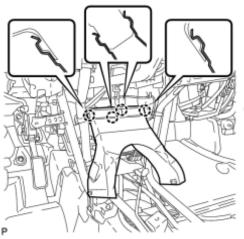


(c) Disengage the 2 claws and turn back the floor carpet as shown in the illustration.

Text in Illustration

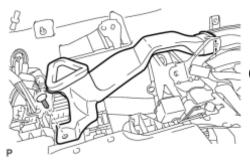


98. REMOVE REAR NO. 1 AIR DUCT (w/ Rear Air Duct)



(a) Disengage the 4 claws and remove the rear No. 1 air duct.

99. REMOVE NO. 3 SIDE DEFROSTER NOZZLE DUCT



(a) Remove the clip and No. 3 side defroster nozzle duct.

100. REMOVE NO. 1 INSTRUMENT PANEL BRACE SUB-ASSEMBLY

(a) Check that the power switch is off.

(b) Check that the cable is disconnected from the negative (-) battery terminal.

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

(c) Disconnect the center airbag sensor connectors from the center airbag sensor assembly as shown in the illustration.

NOTICE:

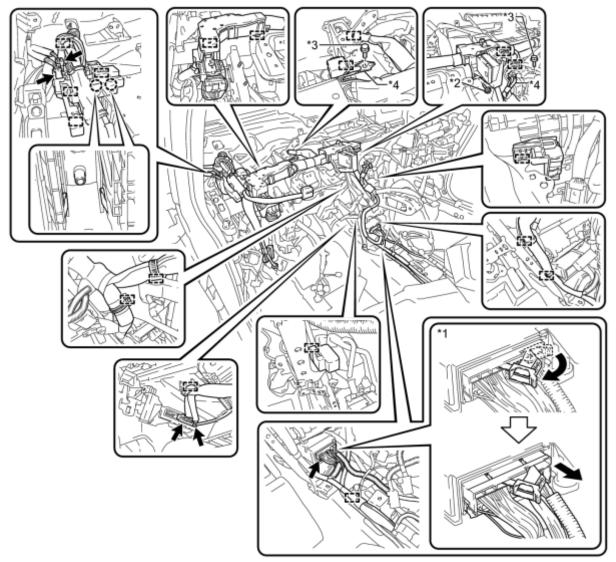
When disconnecting any airbag connector, take care not to damage the airbag wire harness.

(d) Remove the screw.

(e) Remove the 2 bolts and disconnect the 2 earth wires.

(f) Disconnect each connector.

(g) Disengage each clamp and claw.



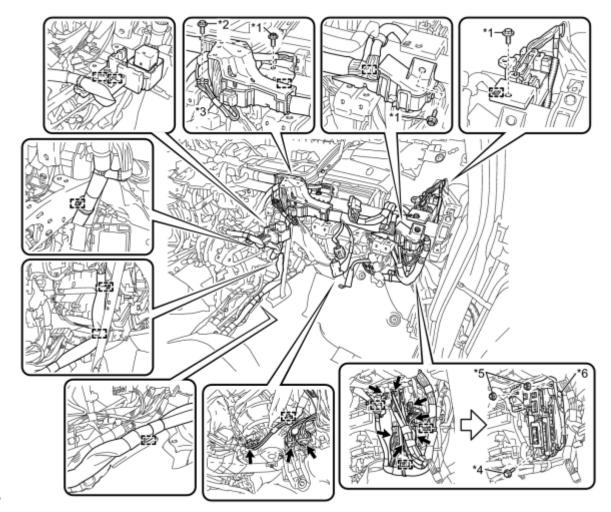
Text in Illustration

*1	Center Airbag Sensor Connector	*2	Screw
*3	Bolt	*4	Earth Wire

(h) Remove the screw.

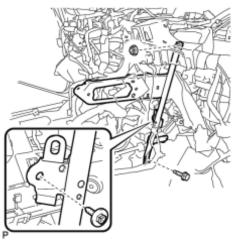


- (i) Remove the bolt, nut and No. 1 instrument panel brace sub-assembly.
- 101. REMOVE NO. 2 INSTRUMENT PANEL BRACE SUB-ASSEMBLY
- (a) Remove the 3 screws <A>.
- (b) Remove the bolt and disconnect the earth wire.
- (c) Disconnect each connector.
- (d) Disengage each clamp.
- (e) Remove the screw and 2 nuts from the computer integration box RH.



Text in Illustration

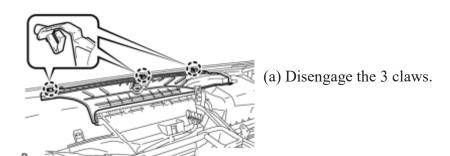
*1	Screw <a>	*2	Bolt
*3	Earth Wire	*4	Screw
*5	Nut	*6	Computer Integration Box RH

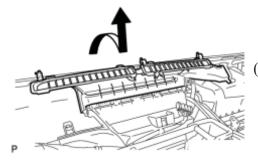


(f) Remove the screw.

(g) Remove the bolt, nut and No. 2 instrument panel brace sub-assembly.

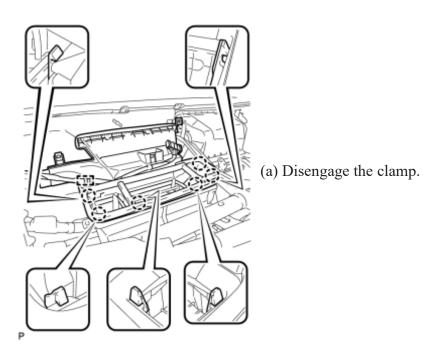
102. REMOVE DEFROSTER NOZZLE ASSEMBLY





(b) Remove the defroster nozzle assembly as shown in the illustration.

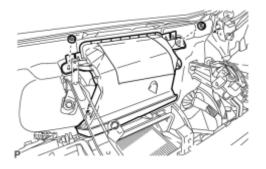
103. REMOVE LOWER DEFROSTER NOZZLE ASSEMBLY



(b) Disengage the 6 claws and remove the lower defroster nozzle assembly.

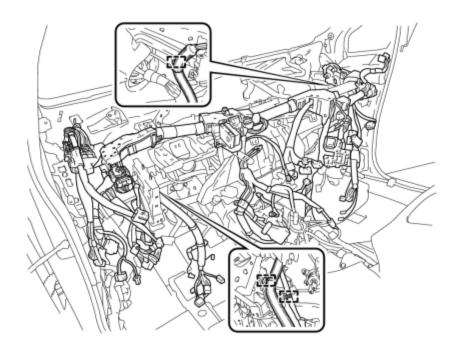
104. REMOVE NO. 3 AIR DUCT SUB-ASSEMBLY

(a) Remove the 2 nuts and No. 3 air duct sub-assembly.



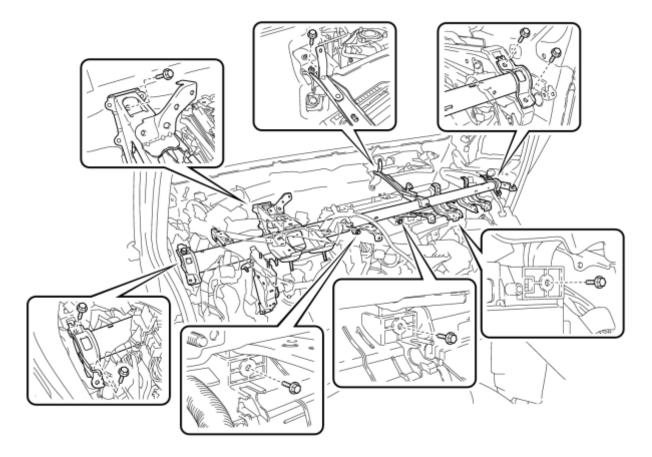
105. REMOVE INSTRUMENT PANEL REINFORCEMENT ASSEMBLY

(a) Disengage each clamp.



Ρ

(b) Remove the 9 bolts and instrument panel reinforcement assembly.

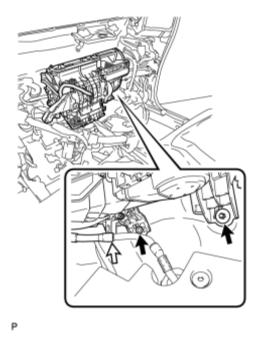


106. REMOVE AIR CONDITIONING UNIT ASSEMBLY

NOTICE:

- Be sure to support the air conditioning unit assembly when removing it because failure to do so may cause the bracket of the air conditioning unit assembly to break.
- When disassembling the air conditioning unit, eliminate static electricity by touching the vehicle body to prevent the components from being damaged.

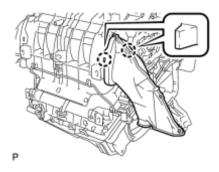
(a) Disengage the cooler drain hose.



(b) Remove the bolt, nut and air conditioning unit assembly.

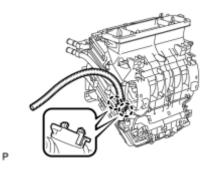
DISASSEMBLY

- 1. REMOVE ID CODE BOX (IMMOBILISER CODE ECU) (w/ Engine Immobiliser System)
- 2. REMOVE BLOWER ASSEMBLY
- 3. REMOVE NO. 1 AIR DUCT SUB-ASSEMBLY



(a) Disengage the 2 claws and remove the No. 1 air duct sub-assembly.

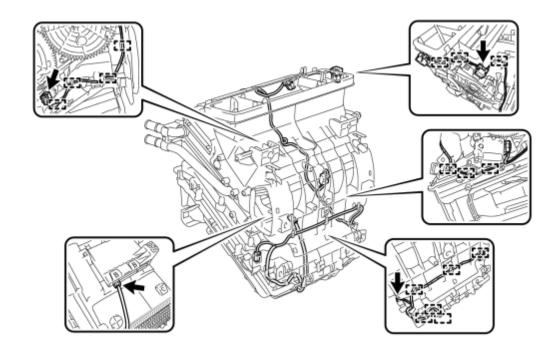
4. REMOVE AIR CONDITIONING DUCT SUB-ASSEMBLY



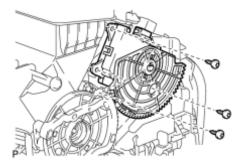
(a) Disengage the 2 claws and remove the air conditioning duct subassembly.

5. REMOVE AIR CONDITIONING HARNESS ASSEMBLY

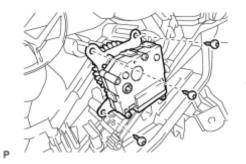
- (a) Disconnect each connector.
- (b) Disengage each clamp and remove the air conditioning harness assembly.



6. REMOVE AIR OUTLET CONTROL SERVO MOTOR SUB-ASSEMBLY



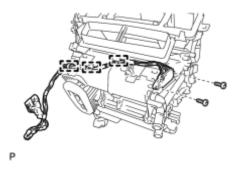
- (a) Remove the 3 screws and air outlet control servo motor sub-assembly.
- 7. REMOVE AIR MIX CONTROL SERVO MOTOR SUB-ASSEMBLY



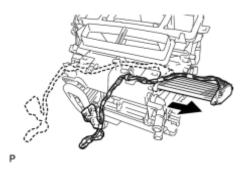
(a) Remove the 3 screws and air mix control servo motor sub-assembly.

8. REMOVE QUICK HEATER ASSEMBLY

(a) Disengage each clamp.

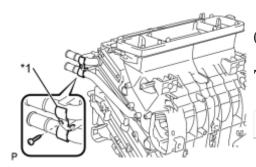


(b) Remove the 2 screws.



(c) Remove the quick heater assembly as shown in the illustration.

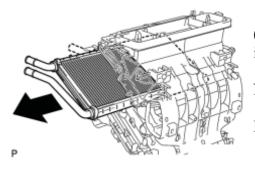
9. REMOVE HEATER RADIATOR UNIT SUB-ASSEMBLY



(a) Remove the screw and clamp.

Text in Illustration

*1 Clamp



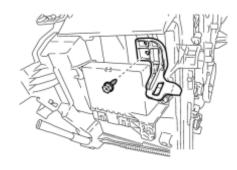
(b) Remove the heater radiator unit sub-assembly as shown in the illustration.

NOTICE:

Prepare a drain pan or cloth in case the cooling water leaks.

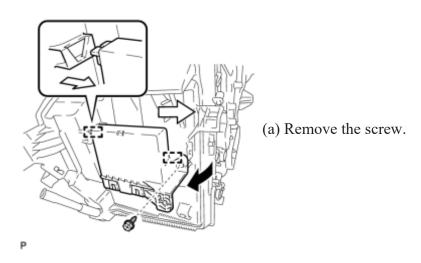
10. REMOVE CONSOLE MOUNTING BRACKET LH

(a) Remove the screw and console mounting bracket LH.



Ρ

11. REMOVE AIR CONDITIONING AMPLIFIER ASSEMBLY



(b) Disengage the 2 guides and remove the air conditioning amplifier assembly as shown in the illustration.

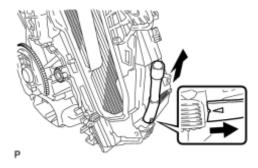
12. REMOVE CONSOLE MOUNTING BRACKET RH



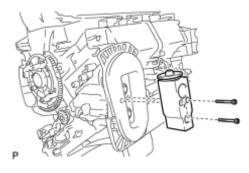
(a) Disengage the 2 claws and remove the console mounting bracket RH.

13. REMOVE DRAIN COOLER HOSE

(a) Remove the drain cooler hose as shown in the illustration.

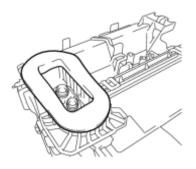


14. REMOVE COOLER EXPANSION VALVE



(a) Using a 4 mm hexagon wrench, remove the 2 hexagon bolts and cooler expansion valve.

15. REMOVE COOLER EVAPORATOR SUB-ASSEMBLY



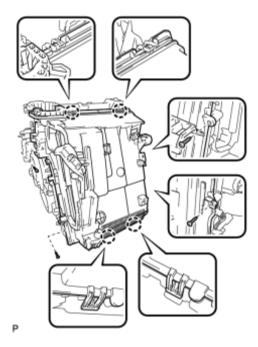
(a) Remove the packing.

NOTICE:

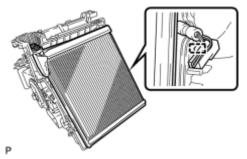
Remove the packing carefully because it will be reused.

(b) Remove the 4 screws.

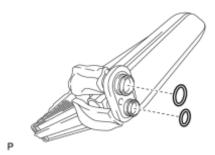
Ρ



(c) Disengage the 4 claws and remove the lower heater case.



(d) Disengage the clamp and remove the cooler evaporator sub-assembly with the No. 1 cooler thermistor.



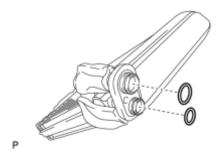
(e) Remove the 2 O-rings from the cooler evaporator sub-assembly.

16. REMOVE NO. 1 COOLER THERMISTOR

REASSEMBLY

1. INSTALL NO. 1 COOLER THERMISTOR

2. INSTALL COOLER EVAPORATOR SUB-ASSEMBLY



(a) Sufficiently apply compressor oil to 2 new O-rings and the fitting surfaces.

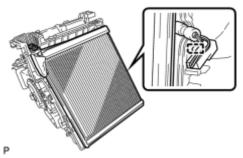
Compressor oil:

ND-OIL 11 or equivalent

(b) Install the 2 O-rings to the cooler evaporator sub-assembly.

NOTICE:

- Keep the O-rings and O-ring fitting surfaces free from dirt or any foreign objects.
- Do not use any compressor oil other than ND-OIL 11 or equivalent. If any compressor oil other than ND-OIL 11 or equivalent is used, compressor motor insulation performance may decrease, resulting in a leakage of electric power.

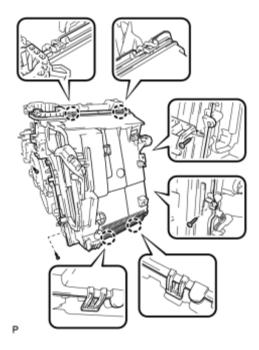


(c) Engage the clamp and install the cooler evaporator sub-assembly with the No. 1 cooler thermistor.

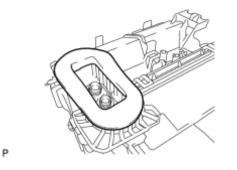
HINT:

Completely cover the tube with the grommet.

(d) Engage the 4 claws.

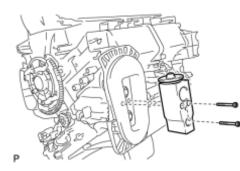


(e) Install the lower heater case with the 4 screws.



(f) Install the packing.

3. INSTALL COOLER EXPANSION VALVE

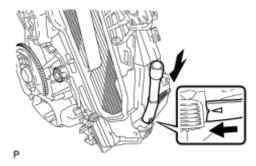


(a) Using a 4 mm hexagon wrench, install the cooler expansion valve with the 2 hexagon bolts.

Torque: 3.5 N·m (36 kgf·cm, 31in·lbf)

4. INSTALL DRAIN COOLER HOSE

(a) Install the drain cooler hose as shown in the illustration.

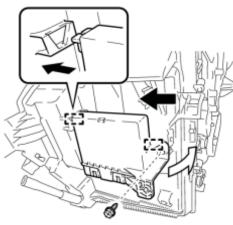


5. INSTALL CONSOLE MOUNTING BRACKET RH



(a) Engage the 2 claws and install the console mounting bracket RH.

6. INSTALL AIR CONDITIONING AMPLIFIER ASSEMBLY



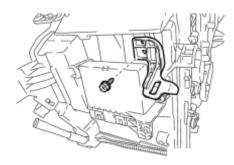
(a) Engage the 2 guides to install the air conditioning amplifier assembly as shown in the illustration.

Ρ

(b) Install the screw.

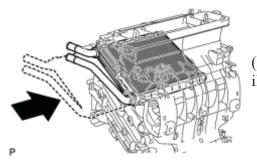
7. INSTALL CONSOLE MOUNTING BRACKET LH

(a) Install the console mounting bracket LH with the screw.

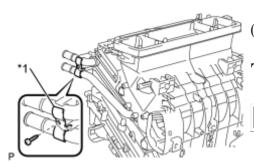


Ρ

8. INSTALL HEATER RADIATOR UNIT SUB-ASSEMBLY



(a) Install the heater radiator unit sub-assembly as shown in the illustration.

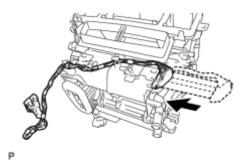


(b) Install the clamp with the screw.

Text in Illustration

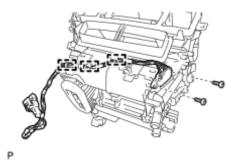
*1 Clamp

9. INSTALL QUICK HEATER ASSEMBLY



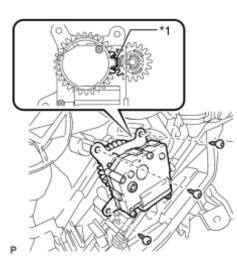
(a) Install the quick heater assembly as shown in the illustration.

(b) Install the 2 screws.



(c) Engage each clamp.

10. INSTALL AIR MIX CONTROL SERVO MOTOR SUB-ASSEMBLY

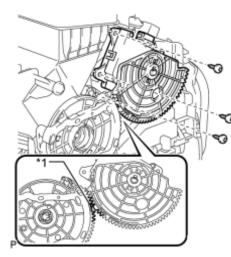


(a) Using the reference point, install the air mix control servo motor subassembly with the 3 screws.

Text in Illustration

*1 Reference Point

11. INSTALL AIR OUTLET CONTROL SERVO MOTOR SUB-ASSEMBLY



(a) Using the reference point, install the air outlet control servo motor subassembly with the 3 screws.

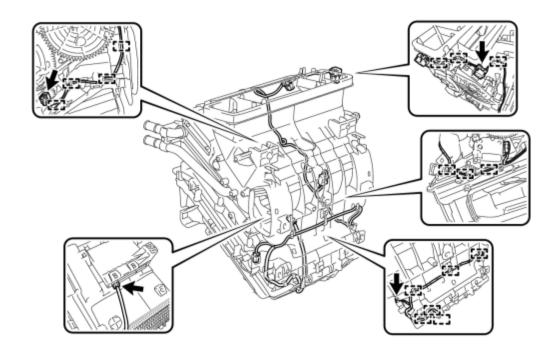
Text in Illustration

*1 Reference Point

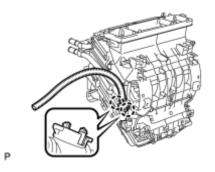
12. INSTALL AIR CONDITIONING HARNESS ASSEMBLY

- (a) Connect each connector.
- (b) Engage each clamp to install the air conditioning harness assembly.

2010 Toyota Prius

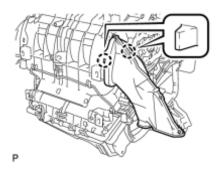


13. INSTALL AIR CONDITIONING DUCT SUB-ASSEMBLY



(a) Engage the 2 claws and install the air conditioning duct sub-assembly.

14. INSTALL NO. 1 AIR DUCT SUB-ASSEMBLY



(a) Engage the 2 claws to install the No. 1 air duct sub-assembly.

15. INSTALL BLOWER ASSEMBLY

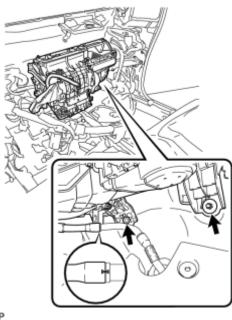
16. INSTALL ID CODE BOX (IMMOBILISER CODE ECU) (w/ Engine Immobiliser System)

INSTALLATION

1. TEMPORARILY TIGHTEN AIR CONDITIONING UNIT ASSEMBLY

NOTICE:

- Be sure to support the air conditioning unit assembly when removing it because failure to do so may cause the • bracket of the air conditioning unit assembly to break.
- When installing the air conditioning unit, eliminate static electricity by touching the vehicle body to prevent the • components from being damaged.



(a) Temporarily tighten the air conditioning unit assembly with the bolt and nut.

Р

(b) Engage the cooler drain hose as shown in the illustration.

NOTICE:

Connect the cooler drain hose firmly to prevent water leaks.

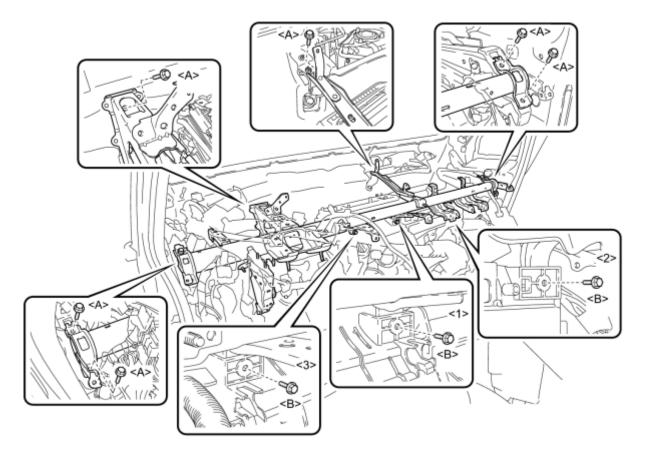
2. INSTALL INSTRUMENT PANEL REINFORCEMENT ASSEMBLY

- (a) Install the instrument panel reinforcement assembly with the 6 bolts $\langle A \rangle$.
- (b) Install the air conditioning unit assembly with the 3 bolts $\langle B \rangle$

Bolt - Torque: 9.8 N·m (100 kgf·cm, 87in·lbf)

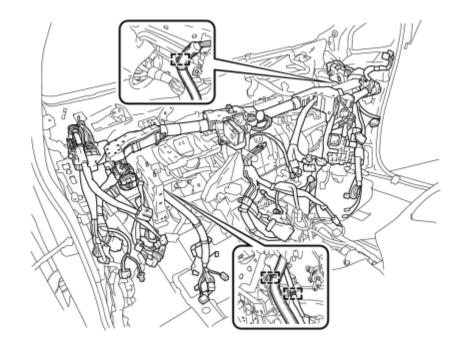
HINT:

Tighten the bolts in the order shown in the illustration.

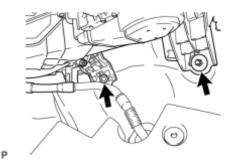


Ρ

(c) Engage each clamp.

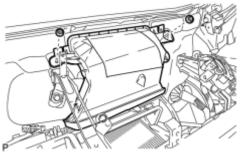


3. INSTALL AIR CONDITIONING UNIT ASSEMBLY



(a) Install the air conditioning unit assembly with the bolt and nut.
Bolt - Torque: 9.8 N·m (100 kgf·cm, 87in·lbf)
Nut - Torque: 9.8 N·m (100 kgf·cm, 87in·lbf)

4. INSTALL NO. 3 AIR DUCT SUB-ASSEMBLY

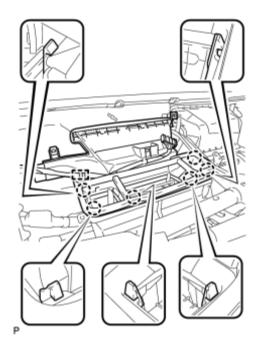


(a) Install the No. 3 air duct sub-assembly with the 2 nuts.

Torque: 9.8 N·m (100 kgf·cm, 87in·lbf)

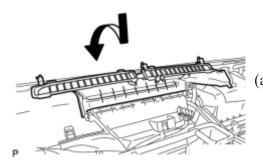
5. INSTALL LOWER DEFROSTER NOZZLE ASSEMBLY

(a) Engage the 6 claws and remove the lower defroster nozzle assembly.

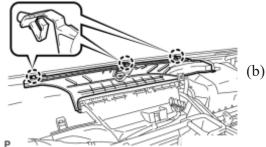


(b) Engage the clamp.

6. INSTALL DEFROSTER NOZZLE ASSEMBLY



(a) Install the defroster nozzle assembly as shown in the illustration.

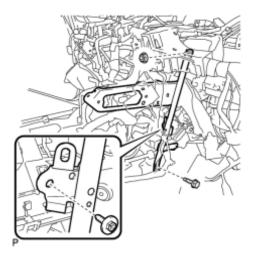


(b) Engage the 3 claws.

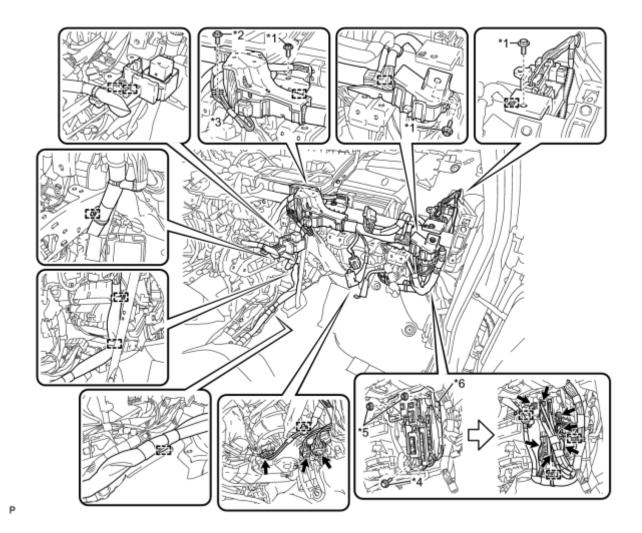
7. INSTALL NO. 2 INSTRUMENT PANEL BRACE SUB-ASSEMBLY

(a) Install the No. 2 instrument panel brace sub-assembly with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)



- (b) Install the bolt and nut.
- (c) Install the screw and 2 nuts to the computer integration box RH.
- (d) Engage each clamp.
- (e) Connect each connector.
- (f) Install the 3 screws <A>.
- (g) Install the bolt and connect the earth wire.
- Torque: **8.4** N·m (86 kgf·cm, 74in·lbf)



Text in Illustration

*1	Screw <a>	*2	Bolt
*3	Earth Wire	*4	Screw
*5	Nut	*6	Computer Integration Box RH

8. INSTALL NO. 1 INSTRUMENT PANEL BRACE SUB-ASSEMBLY

(a) Install the No. 1 instrument panel brace sub-assembly with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)



- (b) Install the bolt and nut.
- (c) Check that the power switch is off.

(d) Check that the cable is disconnected from the negative (-) battery terminal.

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

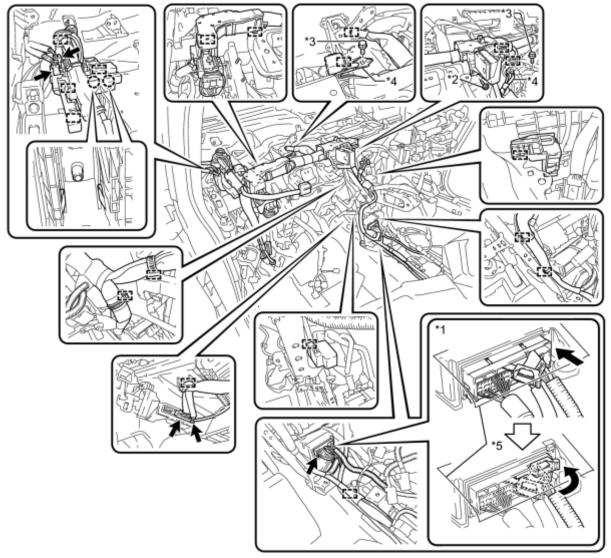
(e) Connect the center airbag sensor connectors to the center airbag sensor assembly as shown in the illustration.

NOTICE:

When connecting any airbag connector, take care not to damage the airbag wire harness.

- (f) Check that the waterproof sheet on the top of the center airbag sensor is not folded or deformed.
- (g) Check that there is no looseness in the installation parts of the center airbag sensor assembly.
- (h) Connect each connector.
- (i) Engage each clamp and claw.
- (j) Install the screw.
- (k) Install the 2 bolts and connect the 2 earth wires.

Torque: 8.4 N·m (86 kgf·cm, 74in·lbf)



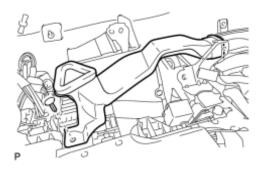
Ρ

Text in Illustration

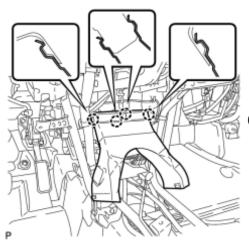
*1	Center Airbag Sensor Connector	*2	Screw
*3	Bolt	*4	Earth Wire
*5	Waterproof Sheet	-	-

9. INSTALL NO. 3 SIDE DEFROSTER NOZZLE DUCT

(a) Install the No. 3 side defroster nozzle duct with the clip.

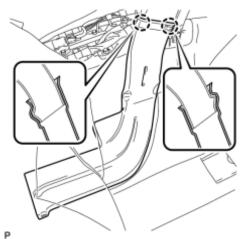


10. INSTALL REAR NO. 1 AIR DUCT (w/ Rear Air Duct)



(a) Engage the 4 claws to install the rear No. 1 air duct.

11. INSTALL REAR NO. 3 AIR DUCT (w/ Rear Air Duct)



(a) Engage the 2 claws to install the rear No. 3 air duct.

(b) Engage the 2 claws and install the clip.

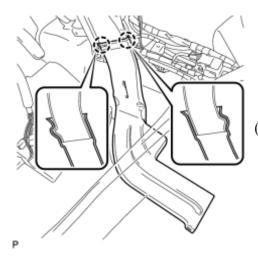


(c) Engage the fastener to install the floor carpet to the original position.

Text in Illustration

*1	Fastener
	(d) Engage each claw to close the door scuff plate clamps as shown in the illustration.

12. INSTALL REAR NO. 2 AIR DUCT (w/ Rear Air Duct)



(a) Engage the 2 claws to install the rear No. 2 air duct.

(b) Engage the 2 claws and install the clip.



(c) Engage the fastener to install the floor carpet to the original position as shown in the illustration.

Text in Illustration

*1	Fastener
	(d) Engage each claw to close the door scuff plate clamps as shown in the illustration.

- 13. INSTALL STEERING POST ASSEMBLY
- for Brush Type Motor:

- for Brushless Type Motor:
- 14. CONNECT NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY
- 15. INSTALL COLUMN HOLE COVER SILENCER SHEET
- 16. INSTALL NO. 2 AIR DUCT SUB-ASSEMBLY
- 17. INSTALL BRAKE PEDAL SUPPORT ASSEMBLY
- 18. INSTALL PUSH ROD PIN_
- 19. INSTALL BRAKE PEDAL RETURN SPRING
- 20. INSTALL STOP LIGHT SWITCH MOUNTING ADJUSTER
- 21. INSTALL STOP LIGHT SWITCH ASSEMBLY
- 22. INSTALL DRIVER SIDE JUNCTION BLOCK ASSEMBLY

23. INSTALL LOWER INSTRUMENT PANEL SUB-ASSEMBLY 24. INSTALL NO. 2 ANTENNA CORD SUB-ASSEMBLY 25. INSTALL INSTRUMENT PANEL SAFETY PAD PLATE SUB-ASSEMBLY (for LHD) 26. INSTALL POWER STEERING ECU ASSEMBLY (for Brush Type Motor) 27. INSTALL POWER STEERING ECU ASSEMBLY (for Brushless Type Motor) 28. INSTALL COMBINATION METER ASSEMBLY 29. INSTALL NO. 1 HEATER TO REGISTER DUCT 30. INSTALL COWL SIDE TRIM BOARD RH HINT: Use the same procedure for the RH side and LH side. 31. INSTALL FRONT DOOR SCUFF PLATE RH HINT: Use the same procedure for the RH side and LH side. 32. INSTALL GLOVE COMPARTMENT DOOR ASSEMBLY 33. INSTALL NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY 34. INSTALL DRIVER SIDE KNEE AIRBAG ASSEMBLY 35. INSTALL NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY 36. ALIGN FRONT WHEELS FACING STRAIGHT AHEAD 37. INSTALL TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY 38. INSTALL UPPER STEERING COLUMN COVER 39. INSTALL LOWER STEERING COLUMN COVER 40. INSTALL STEERING WHEEL ASSEMBLY 41. INSTALL STEERING PAD 42. INSTALL LOWER NO. 3 STEERING WHEEL COVER 43. INSTALL LOWER NO. 2 STEERING WHEEL COVER

2010 Toyota Prius

- 44. INSTALL NO. 1 SWITCH HOLE BASE_
- 45. INSTALL UPPER INSTRUMENT PANEL FINISH PANEL ASSEMBLY
- 46. INSTALL SHIFT LOCK CONTROL UNIT ASSEMBLY
- 47. INSTALL AIR CONDITIONING CONTROL ASSEMBLY
- 48. INSTALL CONSOLE BOX ASSEMBLY
- 49. INSTALL BOX BOTTOM MAT
- 50. INSTALL FRONT NO. 2 CONSOLE BOX INSERT
- 51. INSTALL FRONT NO. 1 CONSOLE BOX INSERT
- 52. INSTALL NO. 2 CONSOLE BOX MOUNTING BRACKET
- 53. INSTALL ELECTRICAL KEY OSCILLATOR
- 54. INSTALL REAR CONSOLE BOX ASSEMBLY (w/ Power Outlet Socket)
- 55. INSTALL REAR CONSOLE BOX ASSEMBLY (w/o Power Outlet Socket)_____
- 56. INSTALL CONSOLE BOX CARPET
- 57. INSTALL UPPER CONSOLE PANEL (w/ Power Outlet Socket)
- 58. INSTALL REAR CONSOLE BOX POCKET (w/ Power Outlet Socket)
- 59. INSTALL UPPER INSTRUMENT PANEL ASSEMBLY
- 60. CONNECT INSTRUMENT PANEL WIRE
- 61. INSTALL CENTER INSTRUMENT CLUSTER FINISH PANEL GARNISH
- 62. INSTALL FRONT NO. 2 SPEAKER ASSEMBLY
- HINT:

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

- 63. INSTALL NO. 2 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY
- 64. INSTALL FRONT PILLAR GARNISH CORNER PIECE RH
- 65. INSTALL FRONT PILLAR GARNISH RH
- HINT:
- 2010 Toyota Prius

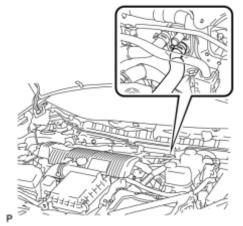
Use the same procedure for the RH side and LH side.

66. INSTALL FRONT NO. 2 SPEAKER ASSEMBLY

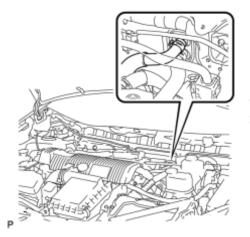
- 67. INSTALL NO. 1 INSTRUMENT PANEL SPEAKER PANEL SUB-ASSEMBLY
- 68. INSTALL FRONT PILLAR GARNISH CORNER PIECE LH
- 69. INSTALL FRONT PILLAR GARNISH LH
- 70. INSTALL INSTRUMENT PANEL FINISH PANEL END RH
- 71. CONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP RH
- 72. INSTALL GLOVE COMPARTMENT DOOR
- 73. INSTALL NO. 2 INSTRUMENT PANEL REGISTER
- 74. INSTALL NO. 1 SIDE DEFROSTER NOZZLE
- 75. INSTALL INSTRUMENT PANEL FINISH PANEL END LH
- 76. CONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP LH
- 77. INSTALL NO. 1 CENTER INSTRUMENT CLUSTER FINISH PANEL
- 78. INSTALL NO. 1 INSTRUMENT PANEL REGISTER
- 79. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY
- 80. INSTALL COWL SIDE TRIM SUB-ASSEMBLY LH_
- 81. INSTALL FRONT DOOR SCUFF PLATE LH
- 82. INSTALL NAVIGATION RECEIVER WITH BRACKET (w/ Navigation System)
- 83. INSTALL RADIO RECEIVER WITH BRACKET (w/o Navigation System)
- 84. INSTALL UPPER INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY
- 85. INSTALL INSTRUMENT CLUSTER FINISH PANEL GARNISH
- 86. INSTALL LOWER CENTER INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY
- 87. INSTALL INTEGRATION CONTROL AND PANEL ASSEMBLY
- 88. CONNECT OUTLET HEATER WATER HOSE

(a) Using pliers, grip the claws of the clip and slide the clip to connect the

outlet heater water hose.



89. CONNECT INLET HEATER WATER HOSE



(a) Using pliers, grip the claws of the clip and slide the clip to connect the inlet heater water hose.

90. CONNECT AIR CONDITIONING TUBE AND ACCESSORY ASSEMBLY

(a) Remove the attached vinyl tape from the pipe.

(b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the air conditioning tube and accessory assembly.

Compressor oil:

ND-OIL 11 or equivalent

(c) Install the O-ring on the air conditioning tube and accessory assembly.

NOTICE:

• Keep the O-ring and O-ring fitting surfaces clean from dirt or any foreign objects.

- Do not use any compressor oil other than ND-OIL 11 or equivalent. If any compressor oil other than ND-OIL 11 or equivalent is used, compressor motor insulation performance may decrease, resulting in a leakage of electric power.
- (d) Install the air conditioning tube and accessory assembly.
- 91. CONNECT SUCTION PIPE SUB-ASSEMBLY
- (a) Remove the attached vinyl tape from the pipe.
- (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the suction pipe sub-assembly.

Compressor oil:

ND-OIL 11 or equivalent

(c) Install the O-ring on the suction pipe sub-assembly.

NOTICE:

- Keep the O-ring and O-ring fitting surfaces clean from dirt or any foreign objects.
- Do not use any compressor oil other than ND-OIL 11 or equivalent. If any compressor oil other than ND-OIL 11 or equivalent is used, compressor motor insulation performance may decrease, resulting in a leakage of electric power.

(d) Install the suction pipe sub-assembly.



(e) Move the hook connector in the direction indicated by the arrow in the illustration.

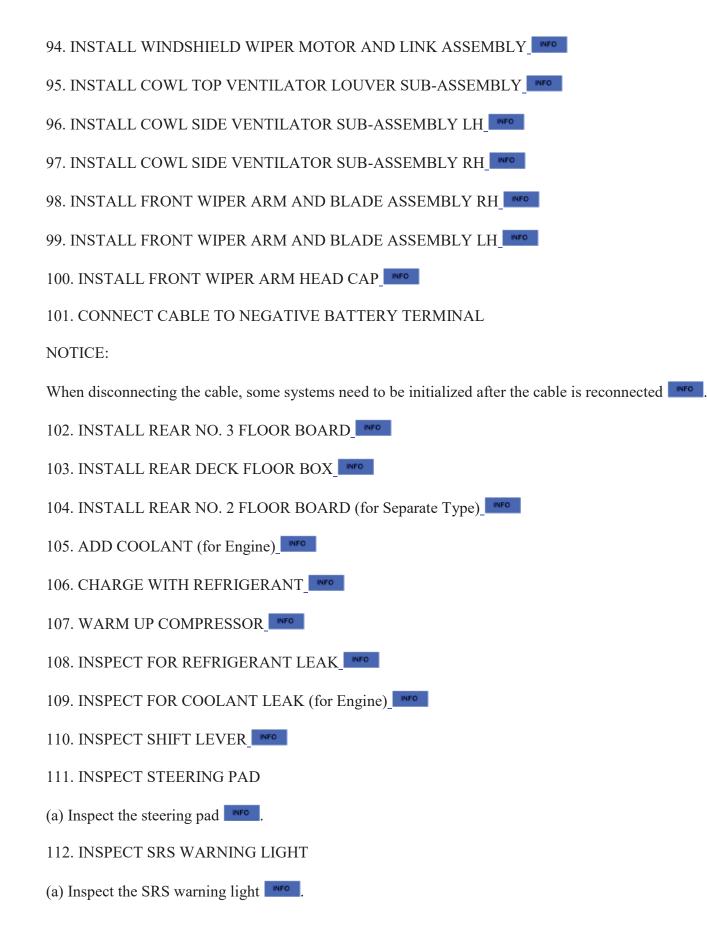
(f) Insert the pipe joint into the fitting hole securely and tighten the bolt.

Torque: 9.8 N·m (100 kgf·cm, 87in·lbf)

92. INSTALL OUTER COWL TOP PANEL SUB-ASSEMBLY

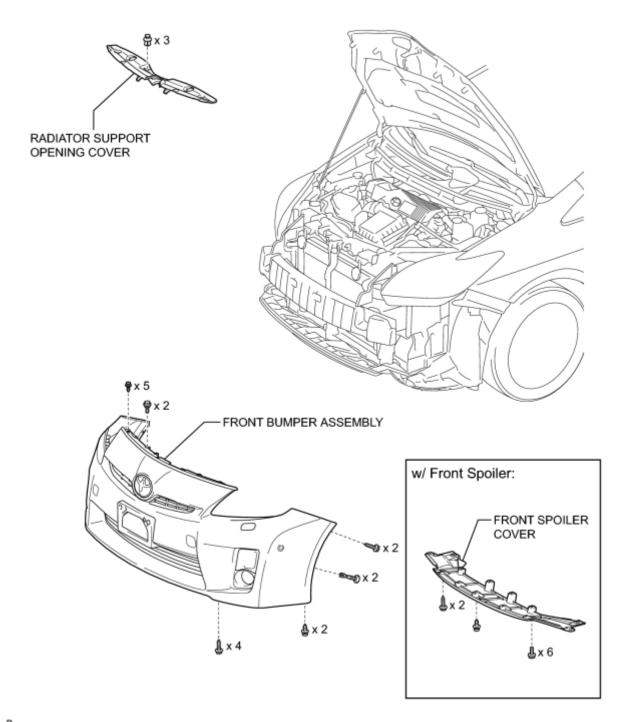
93. INSTALL COWL BODY MOUNTING REINFORCEMENT LH

2010 Toyota Prius



COMPONENTS

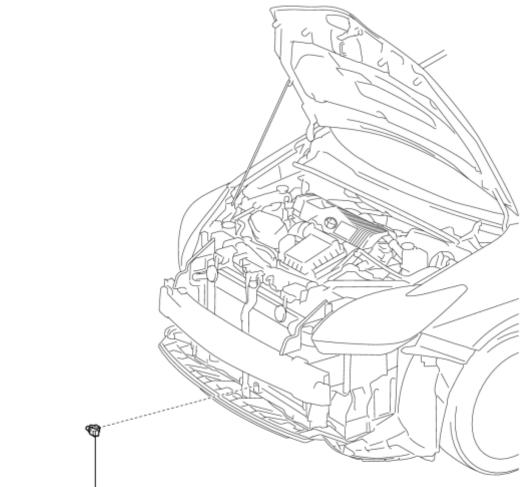
ILLUSTRATION



Ρ

ILLUSTRATION

2010 Toyota Prius

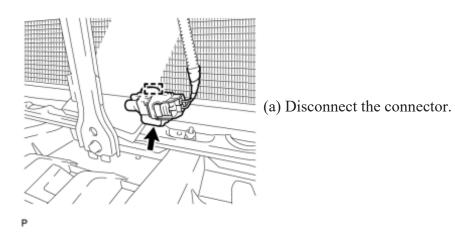


AMBIENT TEMPERATURE SENSOR

Ρ

REMOVAL

- 1. REMOVE RADIATOR SUPPORT OPENING COVER
- 2. REMOVE FRONT BUMPER ASSEMBLY
- 3. REMOVE AMBIENT TEMPERATURE SENSOR



(b) Disengage the clamp to remove the ambient temperature sensor.

INSPECTION

1. INSPECT AMBIENT TEMPERATURE SENSOR

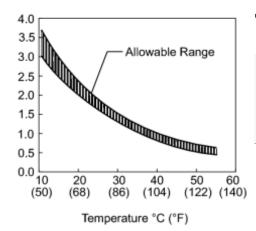
(a) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
1 - 2	10°C (50°F)	3.00 to 3.73 kΩ
1 - 2	15°C (59°F)	2.45 to 2.88 kΩ
1 - 2	20°C (68°F)	1.95 to 2.30 kΩ
1 - 2	25°C (77°F)	1.60 to 1.80 kΩ
1 - 2	30°C (86°F)	1.28 to 1.47 kΩ
1 - 2	35°C (95°F)	1.00 to 1.22 kΩ
1 - 2	40°C (104°F)	0.80 to 1.00 kΩ
1 - 2	45°C (113°F)	0.65 to 0.85 kΩ
1 - 2	50°C (122°F)	0.50 to 0.70 kΩ
1 - 2	55°C (131°F)	0.44 to 0.60 kΩ
1 - 2	60°C (140°F)	0.36 to 0.50 kΩ

Resistance (kΩ)

*1



Text in Illustration

*1	Component without harness connected		
	(Ambient Temperature Sensor)		
*2	Sensing Portion		

- Hold the sensor only by its connector. Touching the sensor may change the resistance value.
- When measuring, the sensor temperature must be the same as the ambient temperature.

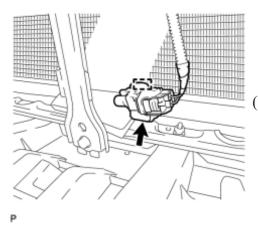
HINT:

As the temperature increases, the resistance decreases (see the graph).

If the resistance is not as specified, replace the ambient temperature sensor.

INSTALLATION

1. INSTALL AMBIENT TEMPERATURE SENSOR



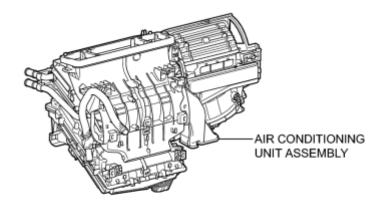
(a) Engage the clamp to install the ambient temperature sensor.

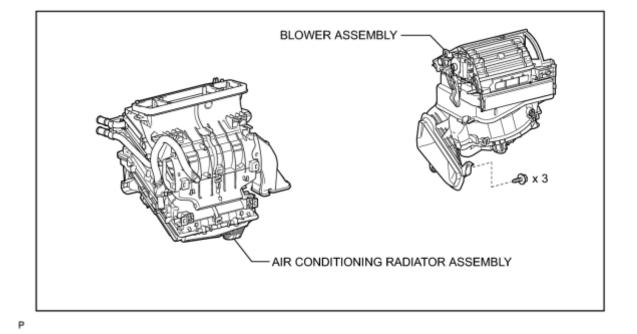
- (b) Connect the connector.
- 2. INSTALL FRONT BUMPER ASSEMBLY
- 3. INSTALL RADIATOR SUPPORT OPENING COVER_
- 4. ADD WINDSHIELD WASHER FLUID (w/ Headlight Cleaner System)
- 5. ADJUST FOG LIGHT AIMING
- HINT:

Refer to the procedure for Adjust Fog Light Aiming

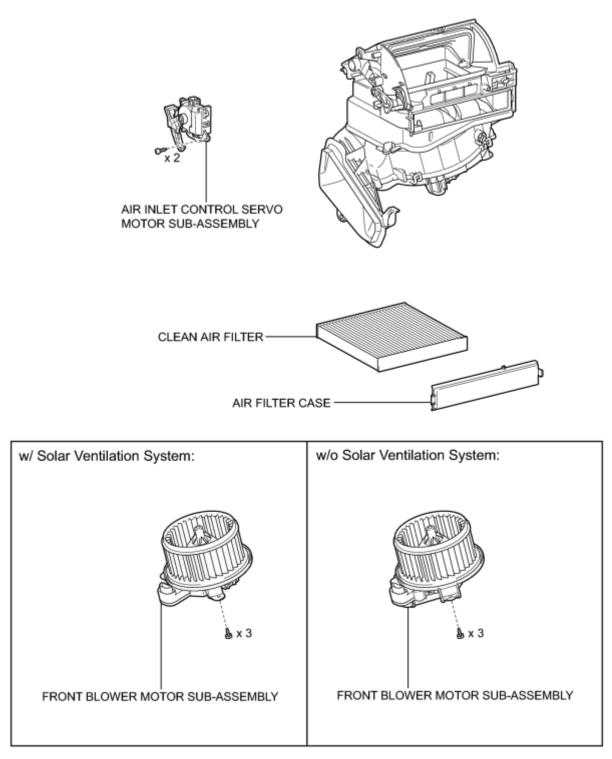
COMPONENTS

ILLUSTRATION





ILLUSTRATION



Ρ

REMOVAL

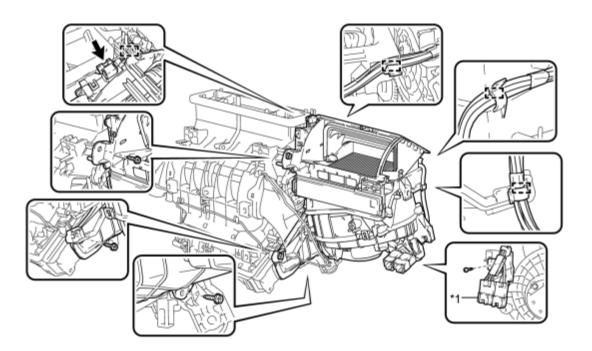
1. REMOVE AIR CONDITIONING UNIT ASSEMBLY

HINT:

Refer to the procedure for Remove Air Conditioning Unit Assembly

2. REMOVE BLOWER ASSEMBLY

- (a) Remove the screw and disconnect the quick heater connector.
- (b) Disconnect the connector and disengage each clamp.
- (c) Disengage the 3 screws and guide, and remove the blower assembly.

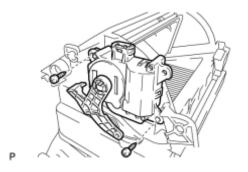


Text in Illustration

*1 Quick Heater Connector	-	-
---------------------------	---	---

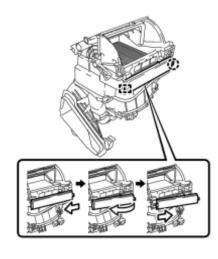
DISASSEMBLY

1. REMOVE AIR INLET CONTROL SERVO MOTOR SUB-ASSEMBLY



(a) Remove the 2 screws and air inlet control servo motor sub-assembly.

2. REMOVE AIR FILTER CASE

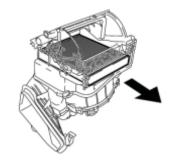


(a) Disengage the claw and guide, and remove the air filter case as shown in the illustration.

Ρ

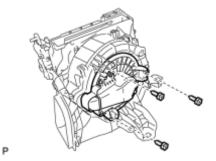
Р

3. REMOVE CLEAN AIR FILTER



(a) Remove the clean air filter as shown in the illustration.

4. REMOVE FRONT BLOWER MOTOR SUB-ASSEMBLY (w/o Solar Ventilation System)

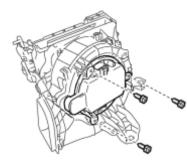


(a) Remove the 3 screws and front blower motor sub-assembly.

NOTICE:

Do not remove the front blower motor sub-assembly if it has been damaged or impacted.

5. REMOVE FRONT BLOWER MOTOR SUB-ASSEMBLY (w/ Solar Ventilation System)



P

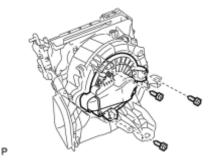
(a) Remove the 3 screws and front blower motor sub-assembly.

NOTICE:

Do not remove the front blower motor sub-assembly if it has been damaged or impacted.

REASSEMBLY

1. INSTALL FRONT BLOWER MOTOR SUB-ASSEMBLY (w/o Solar Ventilation System)

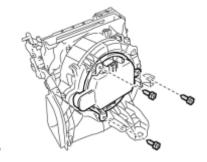


(a) Install the front blower motor sub-assembly with the 3 screws.

NOTICE:

Do not install the front blower motor sub-assembly if it has been damaged or impacted.

2. INSTALL FRONT BLOWER MOTOR SUB-ASSEMBLY (w/ Solar Ventilation System)



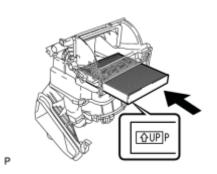
P

(a) Install the front blower motor sub-assembly with the 3 screws.

NOTICE:

Do not install the front blower motor sub-assembly if it has been damaged or impacted.

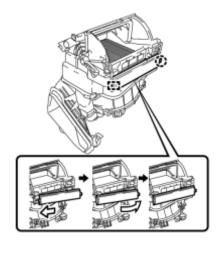
3. INSTALL CLEAN AIR FILTER



(a) Install the clean air filter as shown in the illustration.

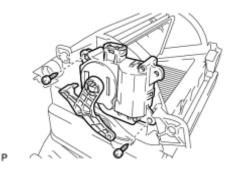
4. INSTALL AIR FILTER CASE

(a) Engage the guide and claw to install the air filter case as shown in the illustration.



Ρ

5. INSTALL AIR INLET CONTROL SERVO MOTOR SUB-ASSEMBLY

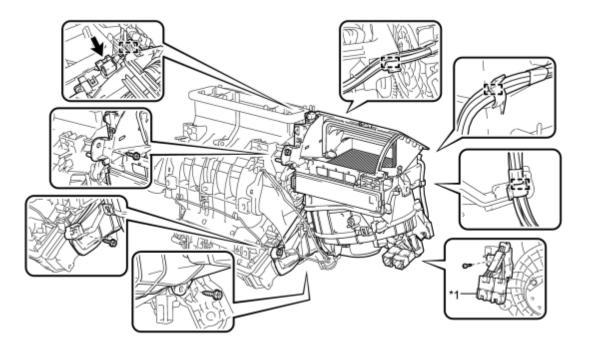


(a) Install the air inlet control servo motor sub-assembly with the 2 screws.

INSTALLATION

1. INSTALL BLOWER ASSEMBLY

- (a) Engage the guide.
- (b) Install the blower assembly with the 3 screws.
- (c) Connect the connector.
- (d) Engage each clamps.
- (e) Install the screw and connect the quick heater connector.



Text in Illustration

*1	Quick Heater Connector	-	-

2. INSTALL AIR CONDITIONING UNIT ASSEMBLY

HINT:

P

Refer to the procedure for Install Air Conditioning Unit Assembly