

PROBLEM SYMPTOMS TABLE

HINT:
Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Audio and visual system

Symptom	Suspected area	See page
No sound can be heard only from the front speaker.	1. Front No. 1 speaker assembly	AV-5
	2. Wire harness	-
No sound can be heard only from the tweeter speaker.	1, Front No. 2 speaker assembly	AV-7
	2. Wire harness	-
No sound can be heard only from the rear speaker.	1. Rear speaker assembly	AV-10
	2. Wire harness	-

AV

AV-6

AUDIO / VISUAL – FRONT NO. 1 SPEAKER

INSTALLATION

HINT:

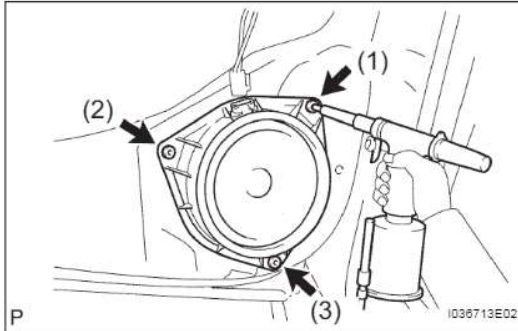
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL FRONT NO. 1 SPEAKER ASSEMBLY LH

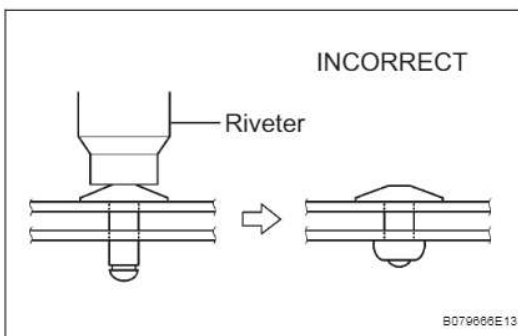
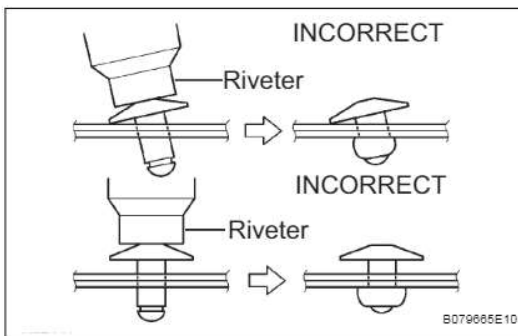
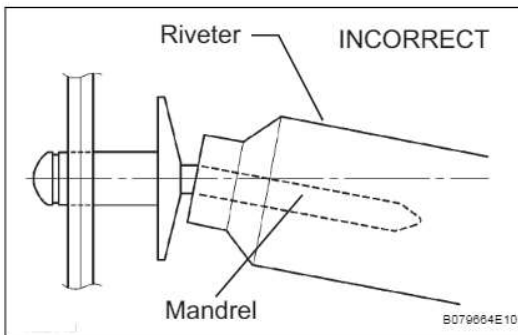
- (a) Using an air riveter or a hand riveter, install 3 new strike rivets to the speaker on the front door panel.

HINT:

Install the new strike rivets in the order shown in the illustration.



AV



NOTICE:

- Do not pry the rivet with the riveter, as this will cause damage to the riveter and mandrel.

- Confirm that the rivets are seated properly against the speaker. Do not tilt the riveter when installing the rivet. Do not leave any space between the rivet head and the speaker.

- Do not leave any space between the speaker and door panel. Firmly hold together the 2 items while installing the rivet.

(b) Connect the connectors.

2. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH (See page [ED-17](#))3. INSTALL FRONT ARMREST BASE PANEL UPPER LH (See page [ED-18](#))4. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH (See page [ED-18](#))

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

6. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

AV

INSTALLATION

HINT:

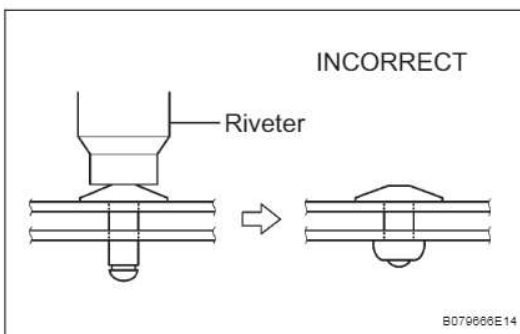
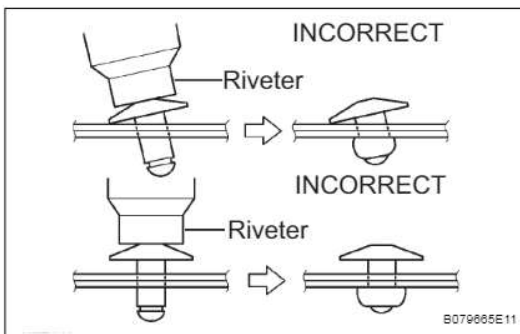
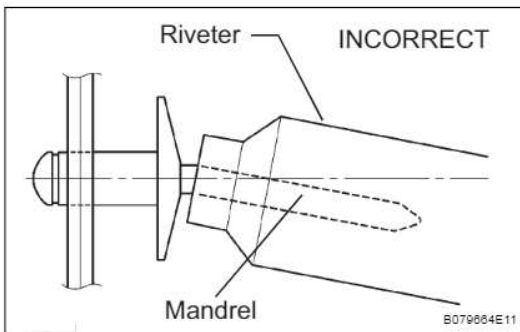
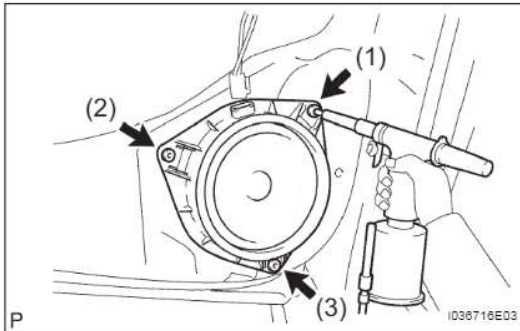
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL REAR SPEAKER ASSEMBLY LH

- (a) Using an air riveter or a hand riveter, install 3 new strike rivets to the speaker on the rear door panel.

HINT:

Install the new strike rivets in the order shown in the illustration.



NOTICE:

- Do not pry the rivet with the riveter, as this will cause damage to the riveter and mandrel.

AV

- Confirm that the rivets are seated properly against the speaker. Do not tilt the riveter when installing the rivet to the speaker. Do not leave any space between the rivet head and the speaker.

- Do not leave any space between the speaker and door panel. Firmly hold together the 2 items while installing the rivet.

(b) Connect the connector.

2. INSTALL REAR DOOR SERVICE HOLE COVER LH (See page [ED-31](#))
3. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH (See page [ED-32](#))
4. INSTALL REAR DOOR ARMREST BASE PANEL UPPER LH (See page [ED-32](#))
5. INSTALL REAR DOOR REAR GUIDE BRACKET GARNISH LH (See page [ED-32](#))
6. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

AV-12**AUDIO / VISUAL – REAR SPEAKER**

7. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

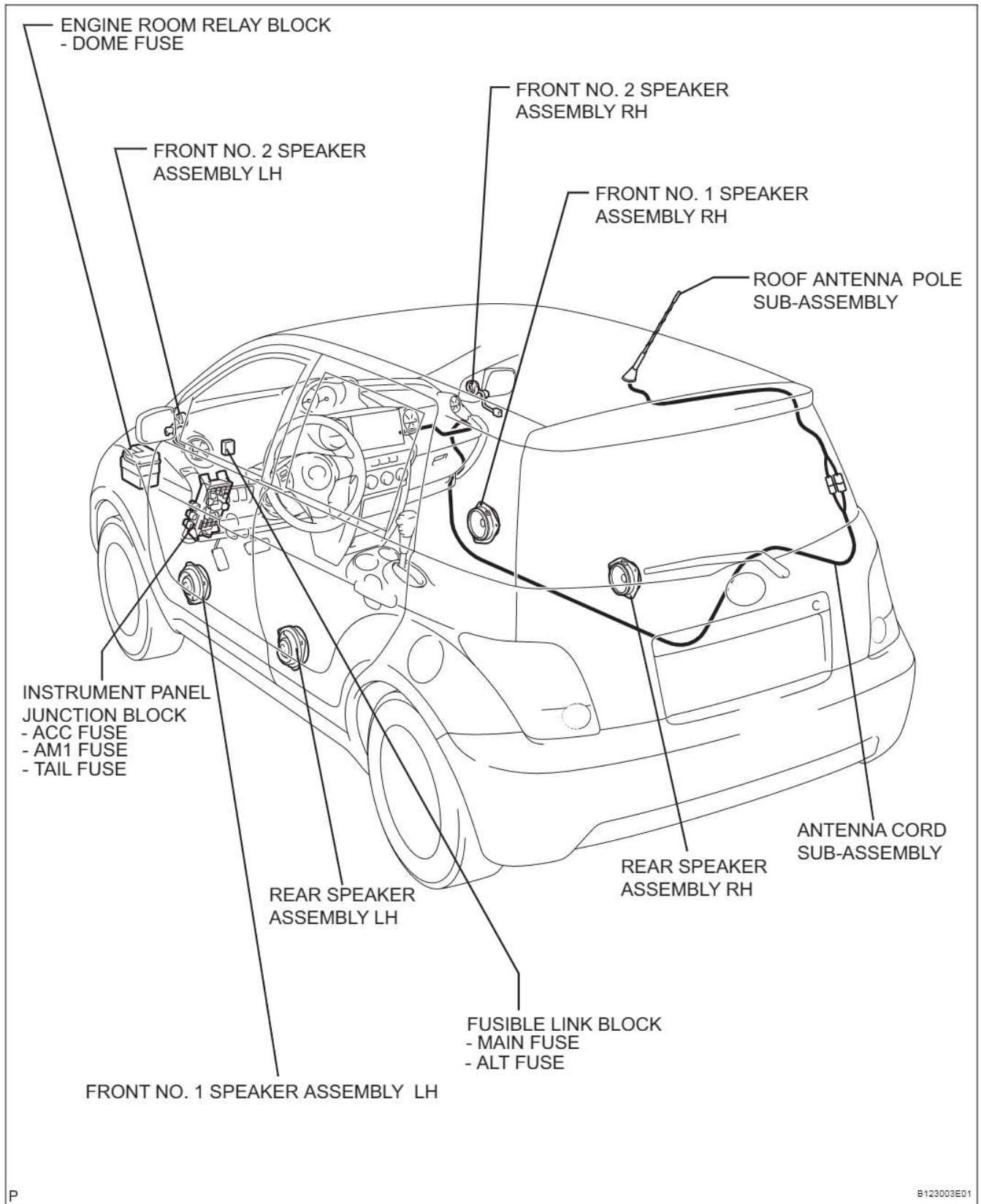
NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

AV

AUDIO AND VISUAL SYSTEM

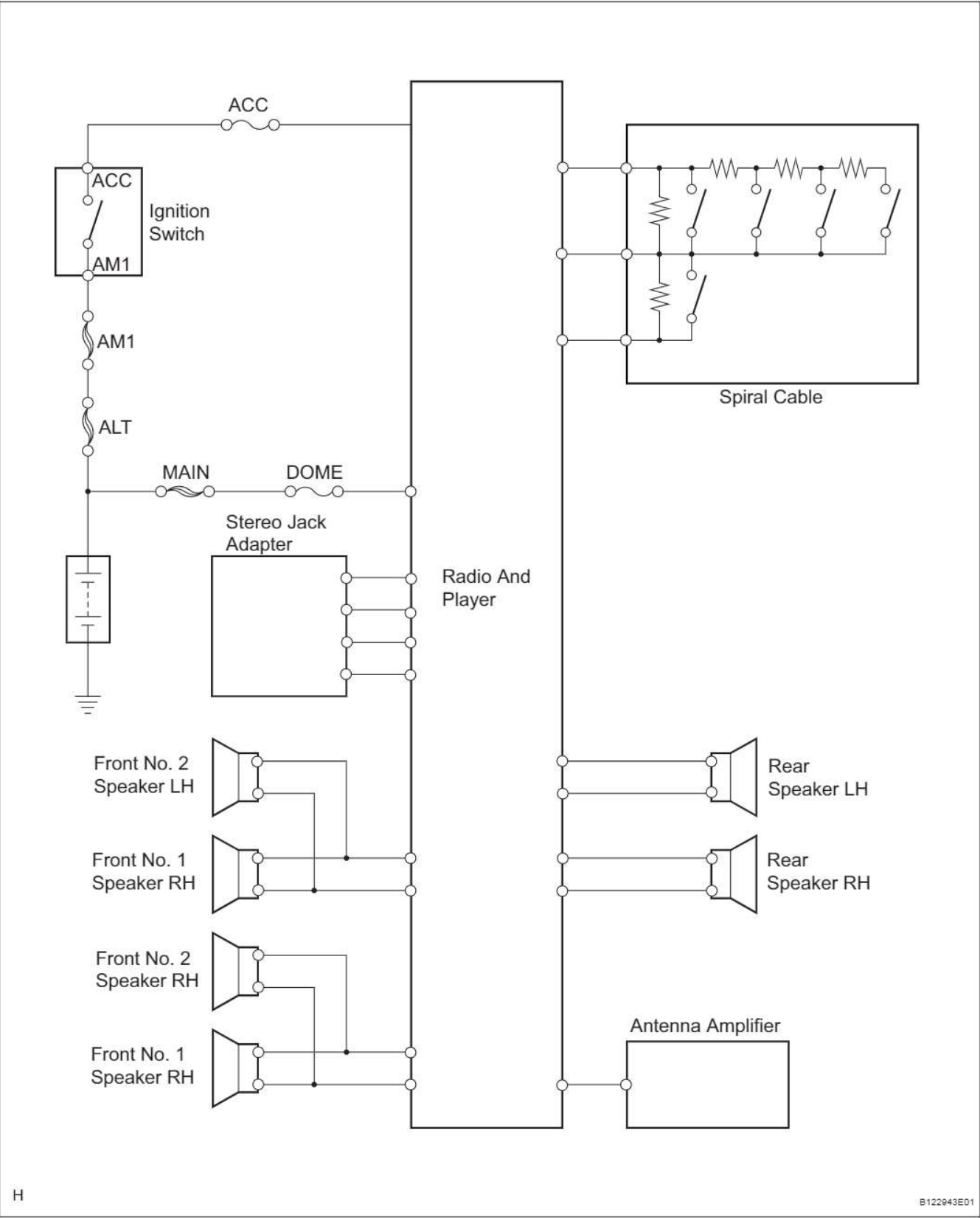
PARTS LOCATION


AV

AV-2

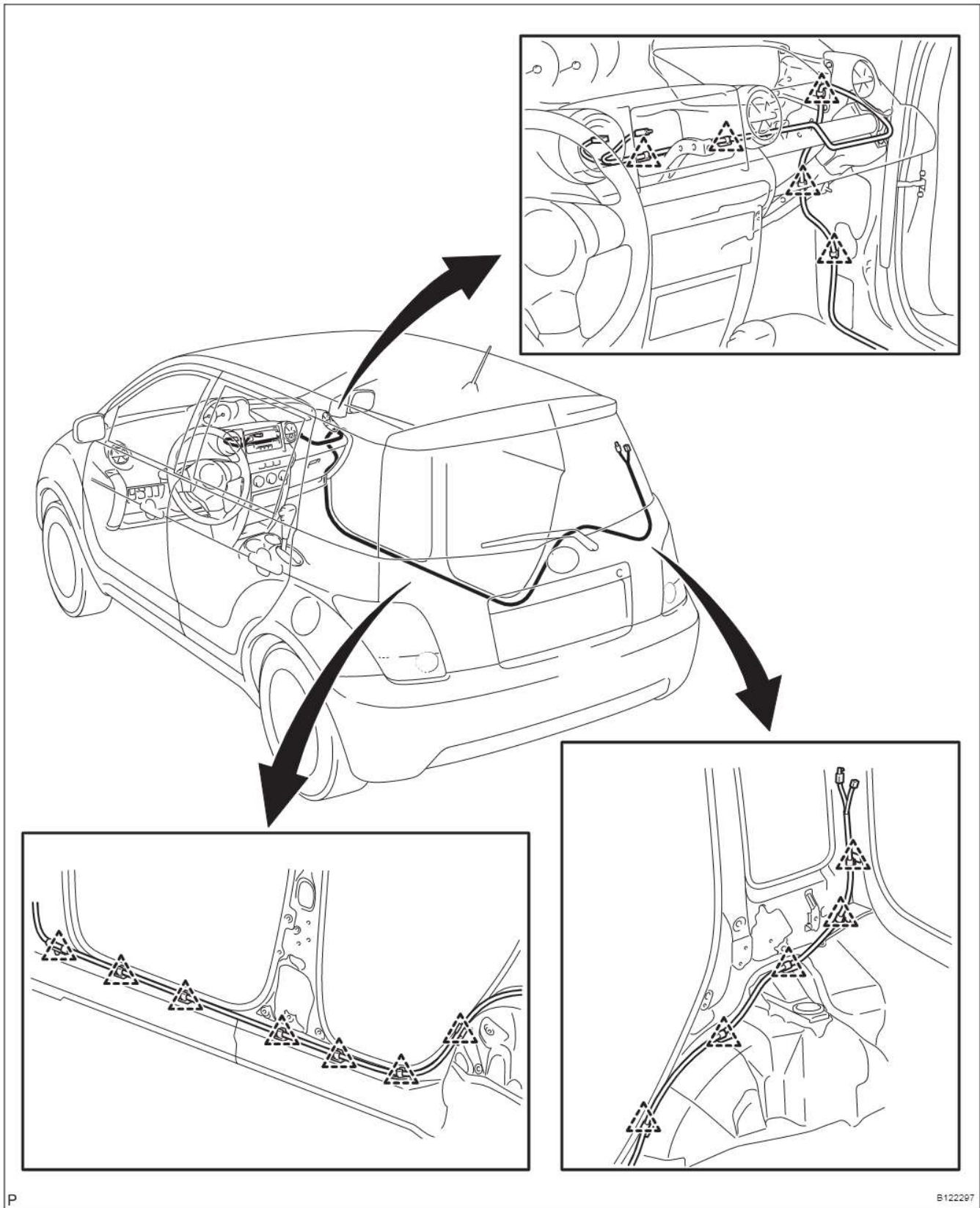
AUDIO / VISUAL – AUDIO AND VISUAL SYSTEM

SYSTEM DIAGRAM



AV-14

AUDIO / VISUAL – RADIO ANTENNA CORD

INSTALLATION**1. INSTALL ANTENNA CORD SUB-ASSEMBLY****AV**

- (a) Install the antenna cord with the 17 clamps.
- (b) Connect the connectors.

2. INSTALL ROOF SIDE GARNISH INNER RH (See page [IR-14](#))
3. INSTALL DECK TRIM SIDE PANEL ASSEMBLY RH (See page [IR-15](#))
4. INSTALL REAR SEAT 3 POINT TYPE BELT ASSEMBLY RH (See page [SB-25](#))
5. INSTALL REAR SEAT BACK HINGE SUB-ASSEMBLY RH (See page [SE-16](#))
6. INSTALL DECK TRIM COVER REAR (See page [IR-15](#))
7. INSTALL DECK FLOOR BOX REAR (See page [IR-15](#))
8. INSTALL NO. 1 DECK BOARD
9. INSTALL TONNEAU COVER ASSEMBLY
10. INSTALL REAR SEATBACK ASSEMBLY RH (See page [SE-17](#))
11. INSTALL REAR SEAT CUSHION WITH COVER PAD SUB-ASSEMBLY (See page [SE-17](#))
12. INSTALL CENTER PILLAR GARNISH LOWER RH (See page [IR-16](#))
13. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH
14. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP RH
15. INSTALL COWL SIDE TRIM BOARD RH (See page [IR-17](#))
16. INSTALL REAR DOOR SCUFF PLATE RH (See page [IR-17](#))
17. INSTALL FRONT DOOR SCUFF PLATE RH (See page [IR-17](#))
18. INSTALL INSTRUMENT PANEL ASSEMBLY LOWER (See page [IP-22](#))
19. INSTALL INSTRUMENT PANEL SUB-ASSEMBLY (See page [IP-10](#))
20. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
21. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:
 Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

AV

FRONT NO. 1 SPEAKER

REMOVAL

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH (See page ED-8)

3. REMOVE FRONT ARMREST BASE PANEL UPPER LH (See page ED-8)

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH (See page ED-9)

5. REMOVE FRONT NO. 1 SPEAKER ASSEMBLY LH

(a) Disconnect the connector.

(b) Using a drill of less than ϕ 4 mm (0.16 in.), drill out the 3 rivet heads and remove the speaker from the front door panel.

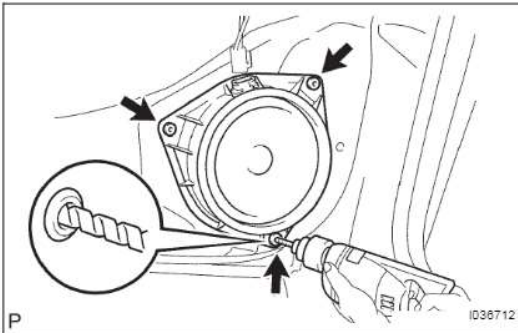
NOTICE:

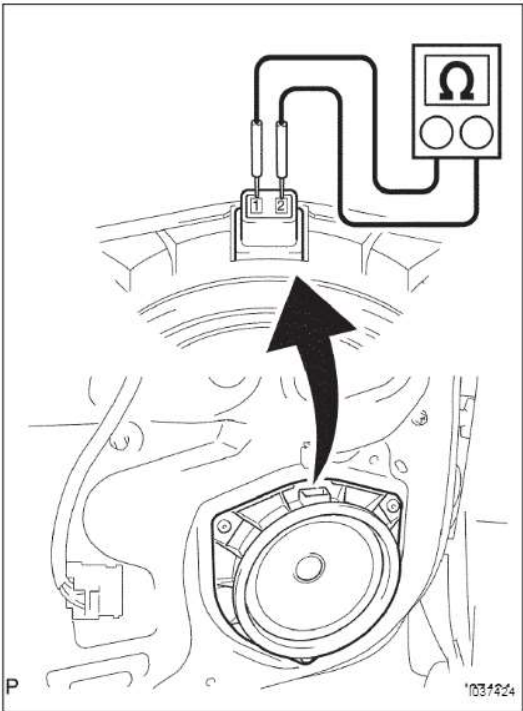
Do not drill the rivet at an angle, as this will cause damage to the drill and drill hole. Line up the drill and rivet, and carefully drill out the rivet head.

CAUTION:

Be careful as the cut rivet will be very hot.

- (c) Continue drilling and push out the remaining fragments with the drill.
- (d) Using a vacuum cleaner, remove the rivet fragments and shavings from the inside of the door.





INSPECTION

- 1. INSPECT FRONT NO. 1 SPEAKER ASSEMBLY
 - (a) Measure the resistance of the speaker.
- Standard resistance

Tester Connection	Condition	Specified Condition
1 - 2	Always	4 Ω

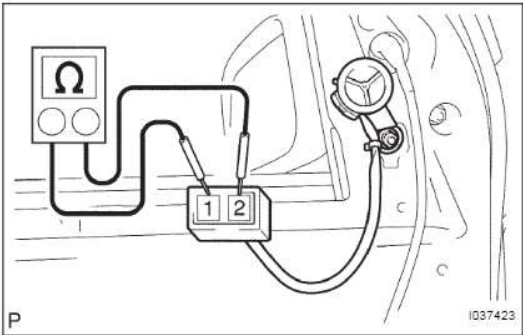
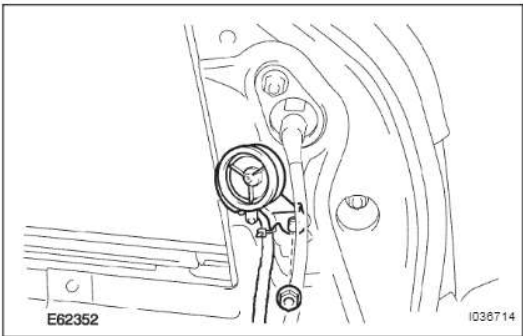
AV

FRONT NO. 2 SPEAKER

REMOVAL

- HINT:
- Use the same procedures for the RH side and LH side.
 - The procedures listed below are for the LH side.
1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
 2. **REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH** (See page ED-8)
 3. **REMOVE FRONT ARMREST BASE PANEL UPPER LH** (See page ED-8)
 4. **REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH** (See page ED-9)
 5. **REMOVE FRONT DOOR SERVICE HOLE COVER LH** (See page ED-9)
 6. **REMOVE FRONT NO. 2 SPEAKER ASSEMBLY LH**
 - (a) Disconnect the connector.
 - (b) Remove the nut and speaker.

AV



INSPECTION

1. **INSPECT FRONT NO. 2 SPEAKER ASSEMBLY**
 - (a) Measure the resistance of the speaker.**Standard resistance**

Tester Connection	Condition	Specified Condition
1 - 2	Always	4 Ω

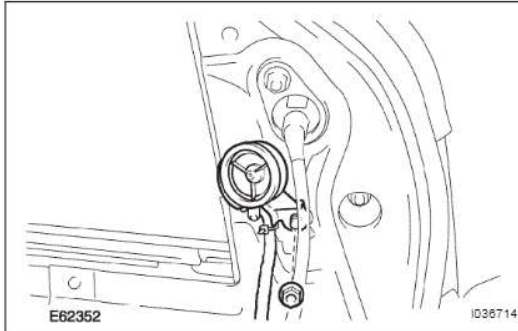
AV-8

AUDIO / VISUAL – FRONT NO. 2 SPEAKER

INSTALLATION

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.



1. **INSTALL FRONT NO. 2 SPEAKER ASSEMBLY LH**
 - (a) Install the speaker with the nut.
Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)
 - (b) Connect the connector.
2. **INSTALL FRONT DOOR SERVICE HOLE COVER LH**
(See page [ED-17](#))
3. **INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY** (See page [ED-17](#))
4. **INSTALL FRONT ARMREST BASE PANEL UPPER LH**
(See page [ED-18](#))
5. **INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH** (See page [ED-18](#))
6. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
7. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

AV

REAR SPEAKER

REMOVAL

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE REAR DOOR REAR GUIDE BRACKET GARNISH LH (See page ED-24)

3. REMOVE REAR DOOR ARMREST BASE PANEL UPPER LH (See page ED-24)

4. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH (See page ED-24)

5. REMOVE REAR DOOR SERVICE HOLE COVER LH (See page ED-25)

6. REMOVE REAR SPEAKER ASSEMBLY LH

- (a) Disconnect the connector.
- (b) Using a drill of less than ϕ 4 mm (0.16 in.), drill out the 3 rivet heads and remove the rear speaker assembly from the rear door panel.

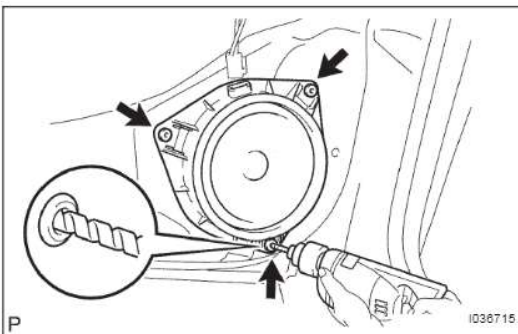
NOTICE:

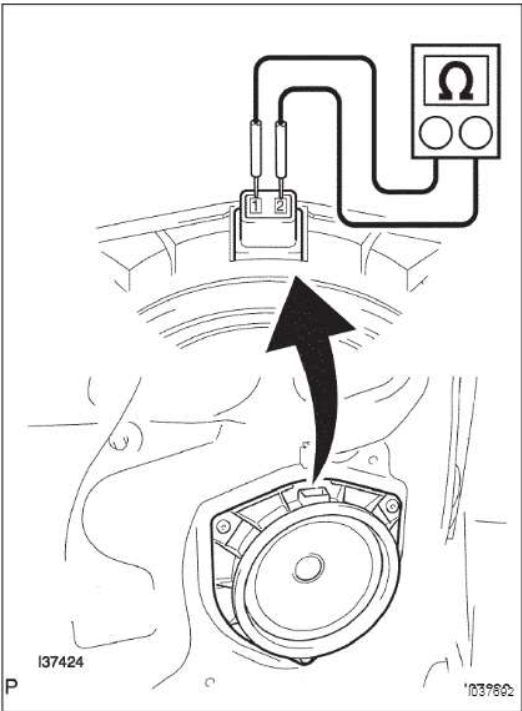
Do not drill the rivet at an angle, as this will cause damage to the drill and drill hole. Line up the drill and rivet, and carefully drill out the rivet head.

CAUTION:

Be careful as the cut rivet will be very hot.

- (c) Continue drilling and push out the remaining fragments with the drill.
- (d) Using a vacuum cleaner, remove the rivet fragments and shavings from the inside of the door.

**AV**



INSPECTION

1. INSPECT REAR SPEAKER ASSEMBLY
- (a) Measure the resistance of the speaker.
- Standard resistance**

Tester Connection	Condition	Specified Condition
1 - 2	Always	4 Ω

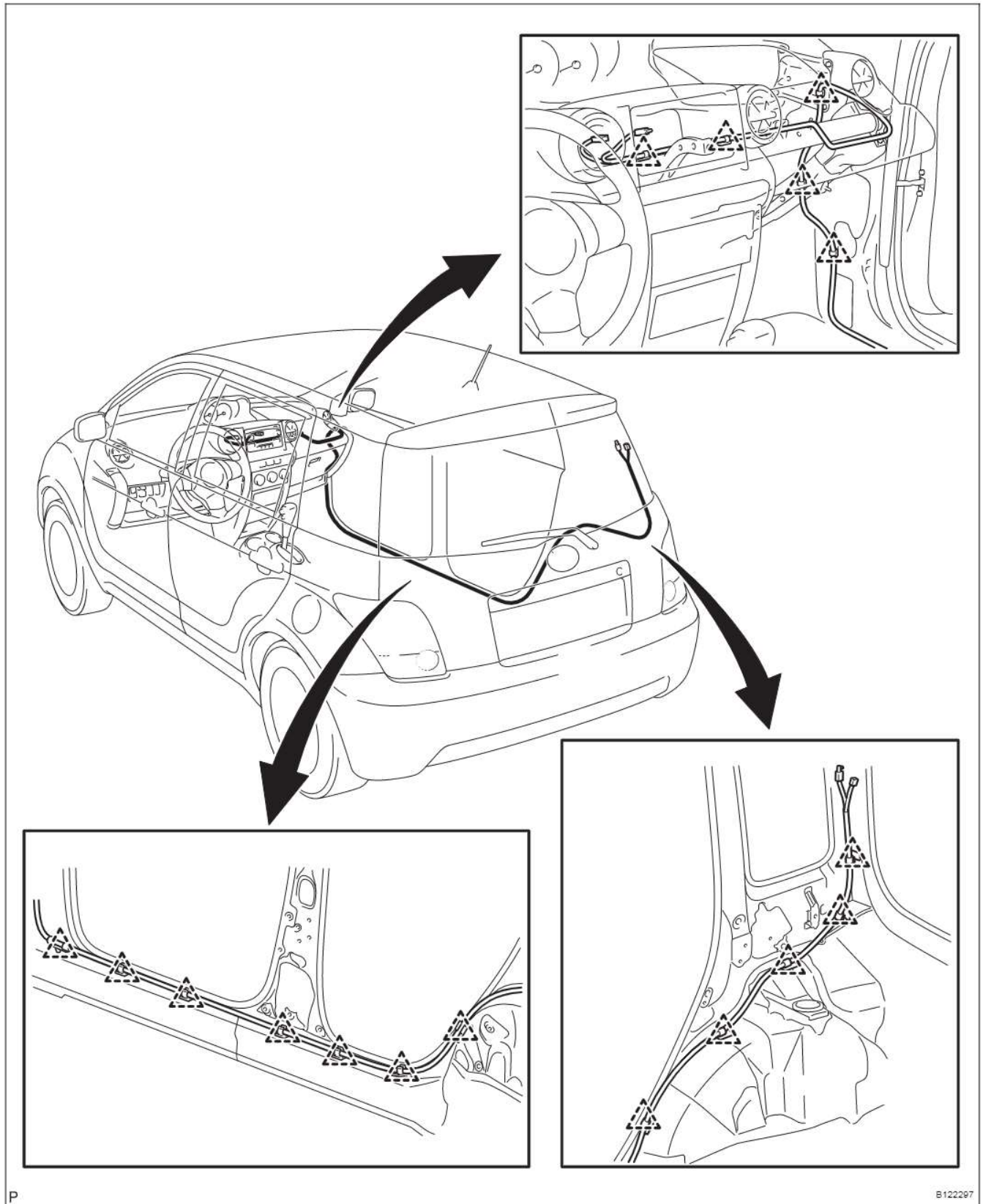
AV

RADIO ANTENNA CORD

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE INSTRUMENT PANEL SUB-ASSEMBLY
(See page [IP-6](#))
3. REMOVE INSTRUMENT PANEL ASSEMBLY LOWER
(See page [IP-19](#))
4. REMOVE FRONT DOOR SCUFF PLATE RH (See page [IR-7](#))
5. REMOVE REAR DOOR SCUFF PLATE RH (See page [IR-7](#))
6. REMOVE COWL SIDE TRIM BOARD RH (See page [IR-7](#))
7. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP RH
8. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP RH (See page [IR-7](#))
9. REMOVE CENTER PILLAR GARNISH LOWER RH
(See page [IR-8](#))
10. REMOVE REAR SEAT CUSHION WITH COVER PAD SUB-ASSEMBLY (See page [SE-12](#))
11. REMOVE REAR SEAT BACK ASSEMBLY RH (See page [SE-12](#))
12. REMOVE TONNEAU COVER ASSEMBLY
13. REMOVE NO. 1 DECK BOARD
14. REMOVE DECK FLOOR BOX REAR (See page [IR-8](#))
15. REMOVE DECK TRIM COVER REAR (See page [IR-8](#))
16. REMOVE REAR SEAT BACK HINGE SUB-ASSEMBLY RH (See page [SE-12](#))
17. REMOVE REAR SEAT 3 POINT TYPE BELT ASSEMBLY RH (See page [SB-23](#))
18. REMOVE DECK TRIM SIDE PANEL ASSEMBLY RH
(See page [IR-9](#))
19. REMOVE ROOF SIDE GARNISH INNER RH (See page [IR-9](#))

20. REMOVE ANTENNA CORD SUB-ASSEMBLY

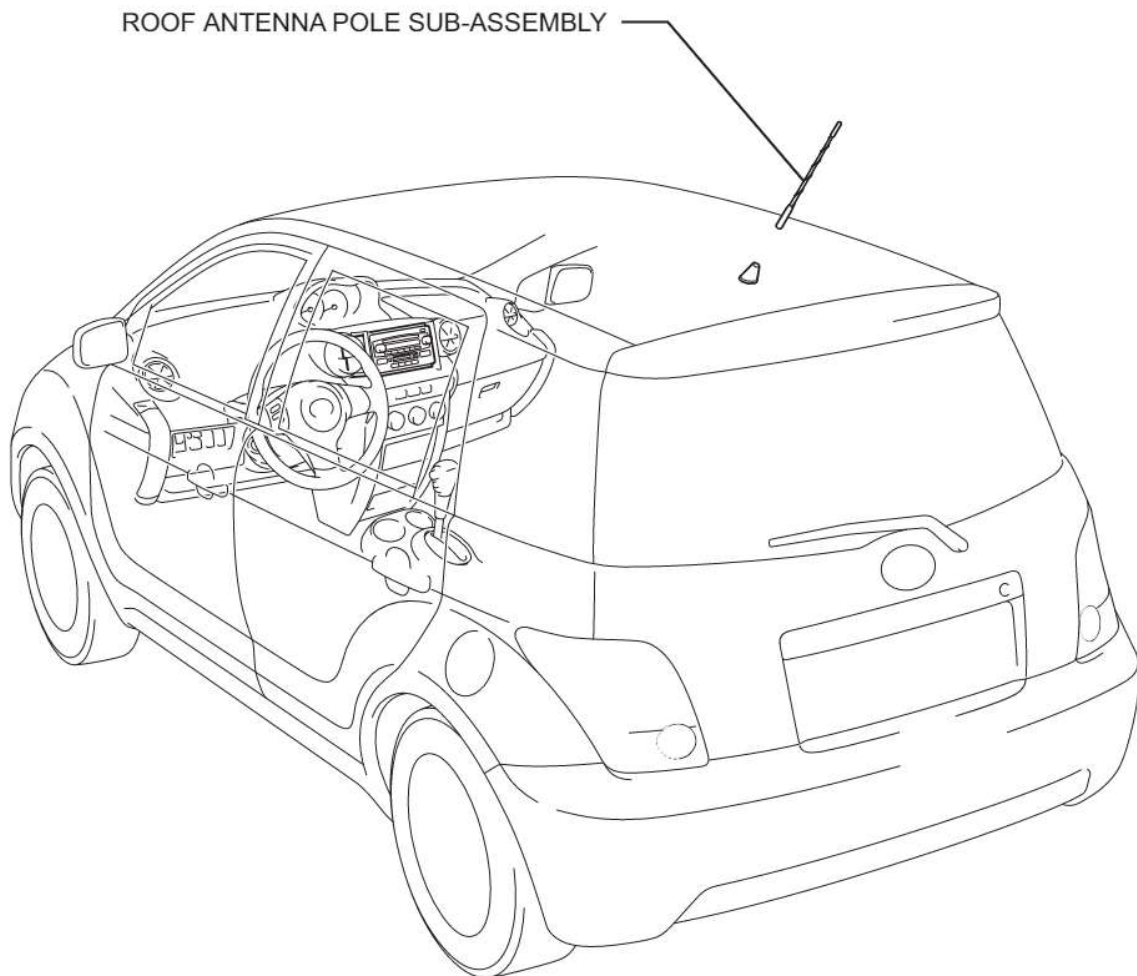


- (a) Disconnect the connectors.
- (b) Remove the 17 clamps.
- (c) Remove the antenna cord.

AV-16

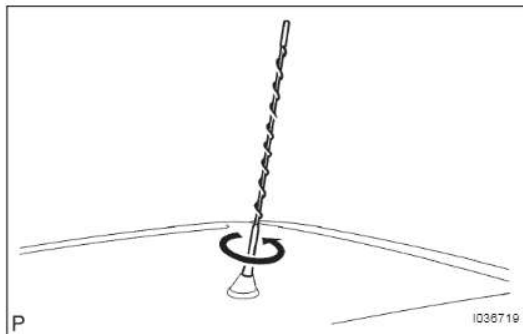
AUDIO / VISUAL – RADIO ANTENNA POLE

RADIO ANTENNA POLE COMPONENTS



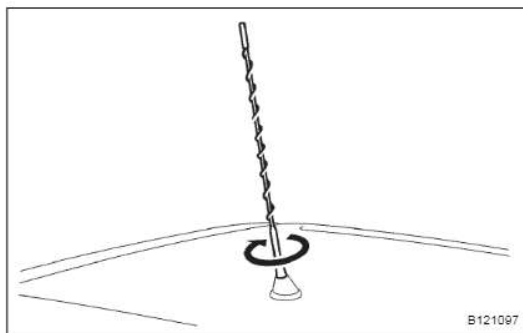
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REMOVAL

1. **REMOVE ROOF ANTENNA POLE SUB-ASSEMBLY**
 - (a) Turn the roof antenna pole in the direction indicated in the illustration and remove it.



INSTALLATION

1. **INSTALL ROOF ANTENNA POLE SUB-ASSEMBLY**
 - (a) Turn the roof antenna pole in the direction indicated in the illustration and install it.

AV

AV-18

AUDIO / VISUAL – AMPLIFIER ANTENNA

AMPLIFIER ANTENNA

REMOVAL

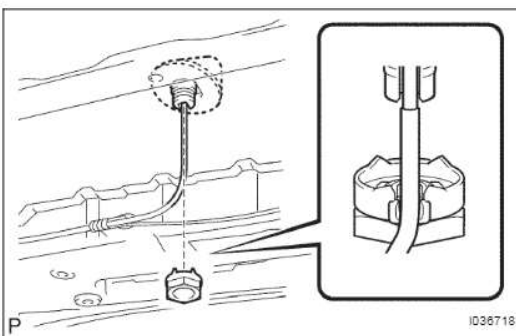
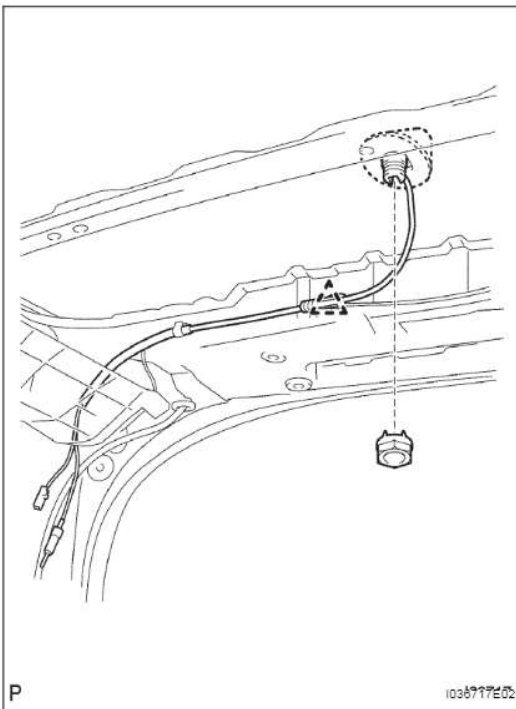
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE ROOF HEADLINING ASSEMBLY
(a) Remove the headlining (see page [IR-7](#)).
3. REMOVE ROOF ANTENNA POLE SUB-ASSEMBLY
(See page [AV-17](#))
4. REMOVE AMPLIFIER ANTENNA ASSEMBLY
(a) Disconnect the connectors.
(b) Detach the clamp.
(c) Remove the nut and amplifier antenna.

AV



INSTALLATION

1. INSTALL AMPLIFIER ANTENNA ASSEMBLY
(a) Set the amplifier antenna to the hole on the roof, and place the antenna cord on the cutout of the antenna nut.
(b) Install the amplifier antenna with the nut.
Torque: 5.0 N*m (51 kgf*cm, 44 in.*lbf)
(c) Attach the clamp.
(d) Connect the connectors.
2. INSTALL ROOF ANTENNA POLE SUB-ASSEMBLY
(See page [AV-17](#))
3. INSTALL ROOF HEADLINING ASSEMBLY
(a) Install the headlining (see page [IR-12](#)).
4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

5. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

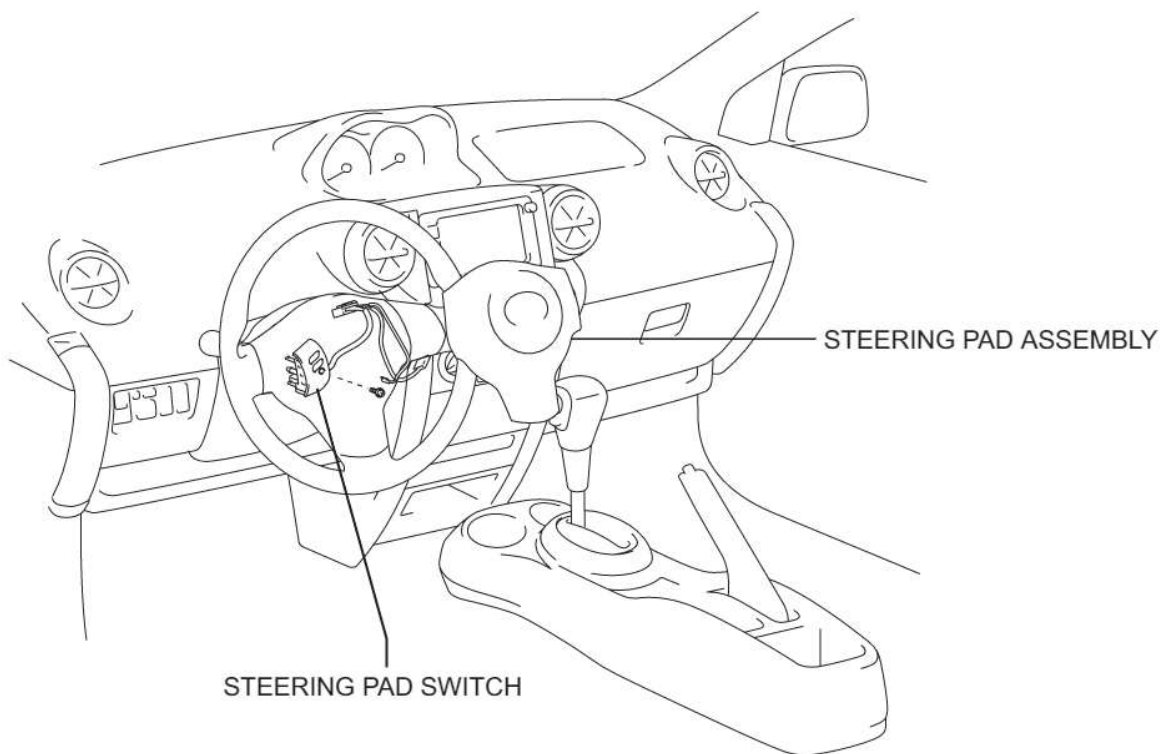
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

AV

AV-20

AUDIO / VISUAL – STEERING PAD SWITCH

STEERING PAD SWITCH COMPONENTS



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REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

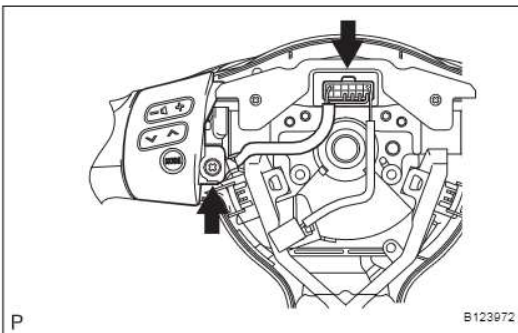
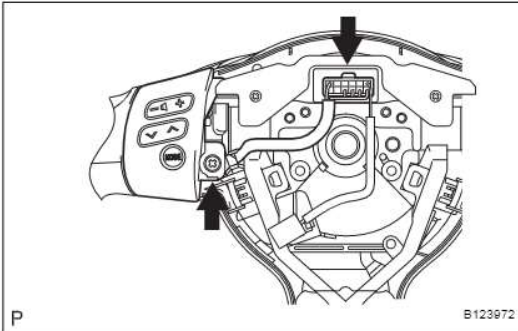
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE STEERING PAD ASSEMBLY (See page [RS-288](#))

3. REMOVE STEERING PAD SWITCH

- (a) Disconnect connectors.
- (b) Remove the screw.
- (c) Remove the steering pad switch.



INSTALLATION

1. INSTALL STEERING PAD SWITCH

- (a) Install the steering pad switch.
- (b) Install the screw.
- (c) Connect connectors.

2. INSTALL STEERING PAD ASSEMBLY (See page [RS-288](#))

3. INSPECT STEERING PAD ASSEMBLY (See page [RS-289](#))

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

5. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

AV