

# GENUINE iPod INTEGRATION MODULE HARNESS KIT F3'+Attachments



## INSTALLATION INSTRUCTIONS

**Vehicle: MAZDA6**

**Parts number: BBM2 79 CFZ (iPod integration module)**

**C9FC V6 029 (Harness Kit F3'+Attachments)**

Thank you for purchasing a genuine Mazda accessory.

Before removal and installation, be sure to thoroughly read these instructions.

Please read the contents of this booklet in order to properly install and use the iPod integration module. Your safety depends on it.

Keep these instructions with your vehicle records for future reference.

### Note:

- There are several **⚠ WARNING** and **⚠ CAUTION** sections in this booklet concerning safety when installing or removing the iPod integration module. Always read and follow them in order to prevent injuries, accidents, and possible damage to the vehicle.

**⚠ WARNING:** Indicates a situation in which serious injury or death could result if the warning is ignored.

**⚠ CAUTION:** Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.

- Do not modify the iPod integration module.
- Do not install the iPod integration module in any way other than described in the following instructions.
- If in any doubt, please ask your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work by an Authorized Mazda Dealership is recommended.
- Be careful not to lose removed parts, and be sure that they are kept free from scratches, grease or other dirt.

### To the dealer

Please turn over these instructions to the customer after installation.

### To the customer

- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with it for the next owner.

\* iPod is a trademark of Apple Inc., registered in the United States and other countries.

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# 1. PARTS

## PARTS LIST







### Note

- Before installation, verify that the kit includes all the following parts and that they are free of dirt, scratches, or damage.

- iPod integration module (Part No.BBM2 79 CFZ)

Parts	Part Name	Qty	Parts	Part Name	Qty
	iPod integration module	1		iPod connection cable	1

- Harness kit F3'+Attachments (Part No. C9FC V6 029)

Parts	Part Name	Qty	Parts	Part Name	Qty	Parts	Part Name	Qty
	Harness F3'	1		Tie wrap Large 360 mm Small 100 mm	L 7 S 10		Double-sided adhesive sponge tape (43 × 118 mm)	2
	Pad protector (50 × 100 mm)	10		Sponge	1		Attachment	3

## 2. REQUIRED TOOLS

- |                       |                |           |                  |
|-----------------------|----------------|-----------|------------------|
| ☆Flathead screwdriver | ☆Socket wrench | ☆Pliers   | ☆Soft cloth      |
| ☆Phillips screwdriver | ☆Knife         | ☆Scissors | ☆Electrical tape |
| ☆Fastener remover     | ☆Mat           |           |                  |

## 3. BEFORE INSTALLATION

### ⚠ CAUTION

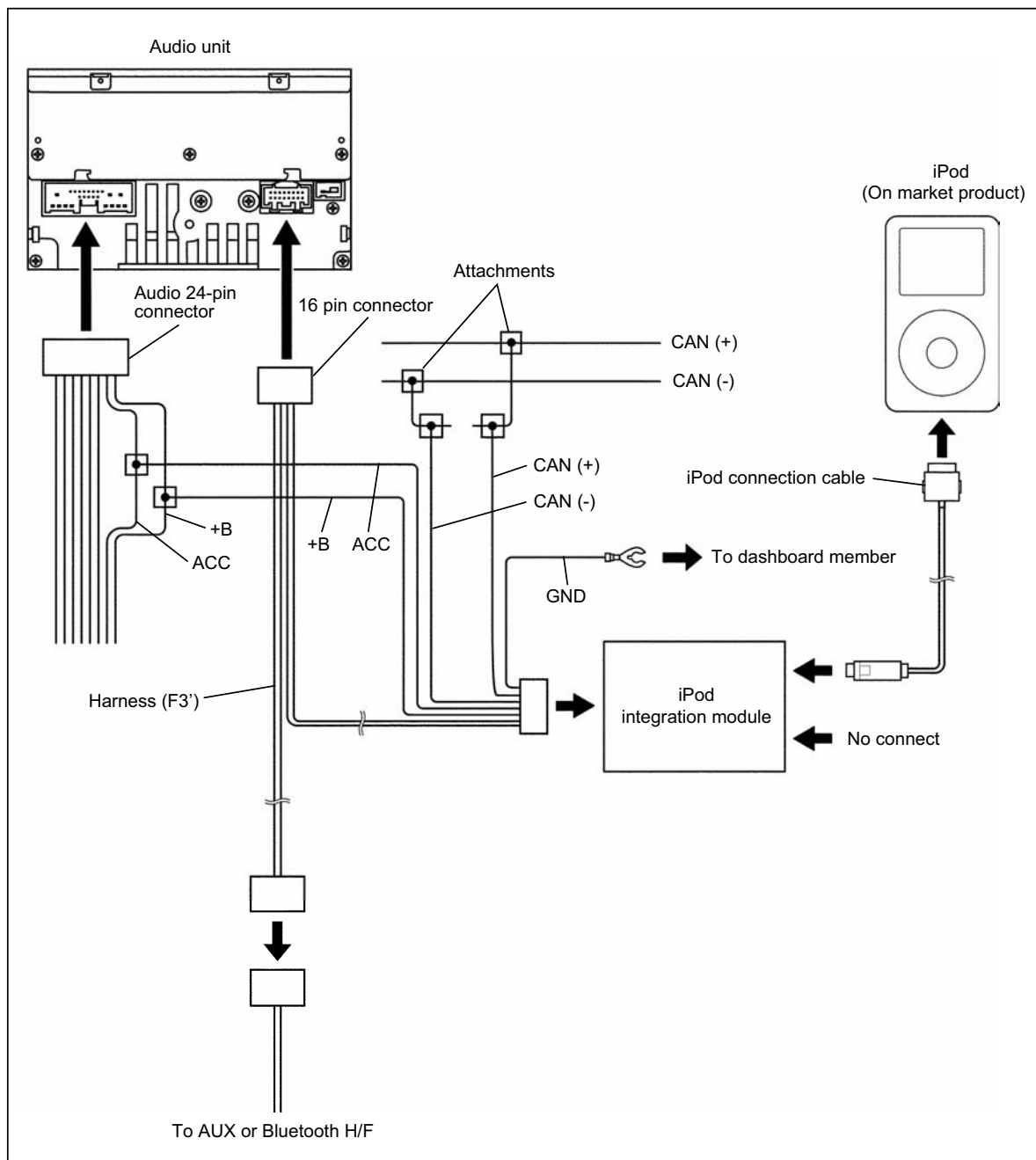
- To prevent short related accidents while performing procedures, disconnect the negative battery cable before beginning any work.
- When disconnecting the connector, hold the connector itself to remove while pressing the connector lock.
- Do not apply excessive force to the wiring harness as it could cause an open circuit.
- When locking connectors, listen for a click that will indicate they are securely locked.
- Be careful not to pinch the wiring harness. Otherwise, the wiring harness could be damaged.
- When removing and installing vehicle parts, make sure they are clean with no scratches. Also, be sure to cover the vehicle body with protectors or mats when removing/installing parts to prevent scratches and dirt.

### Note

- Refer to the applicable Workshop Manual for removal and installation of vehicle parts. Not following the procedures for removal/installation in the Workshop Manual could result in an accident or vehicle malfunction.
- When the negative battery cable is removed, the clock, radio, trip meters and other memories will be erased. Before performing work, record the content of the memory.

## 4. CONNECTION DIAGRAM

### 【Harness F3'+ Attachments】



## 5. CAUTIONS ON CONNECTION

### ⚠ CAUTION

- When connecting a connector, be sure to insert it straight along the guide. The connector terminal may be bent if inserted at an angle.

## 6. VEHICLE PARTS REMOVAL

### Negative battery cable disconnection

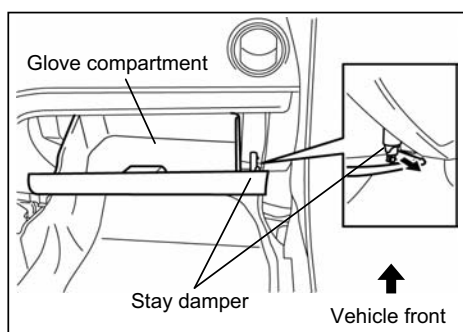
1. Set the selector lever to D range. (AT vehicles only)
2. Disconnect the negative battery cable and wrap tape around it to insulate.

#### **WARNING**

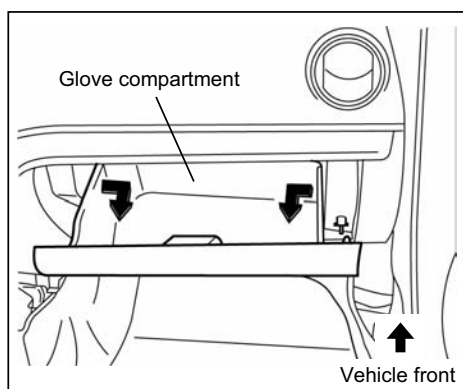
- When the negative battery cable is connected during operation, it may cause electric shock or other personal injuries. Disconnect the negative battery cable before removal/installation.

### Glove compartment removal

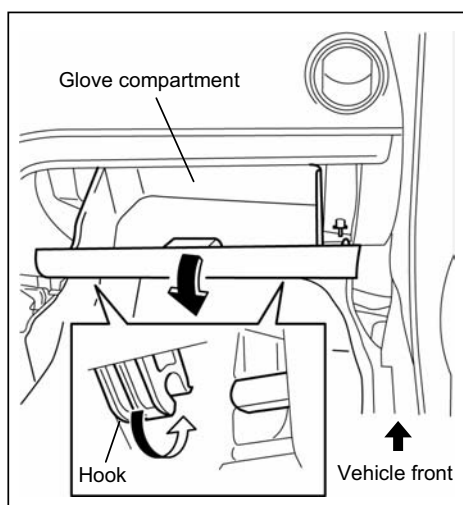
1. Pull the stay damper in the direction of the arrow shown in the figure, and detach the connecting part between the glove compartment and the stay damper.

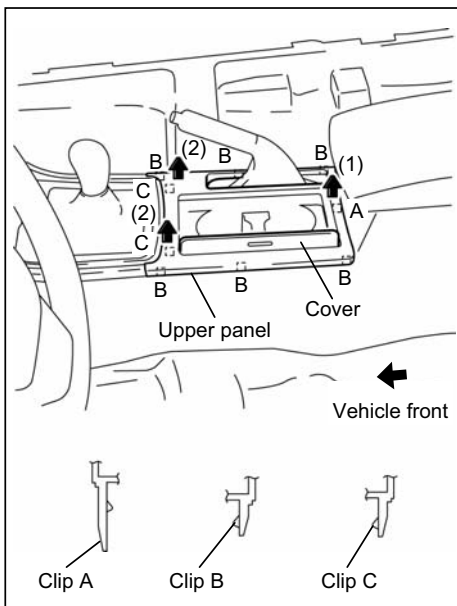


2. Press both ends of the inner-side glove compartment in the direction of the arrow in the figure.



3. Lower the glove compartment.
4. Detach the hook from the dashboard and remove the glove compartment.



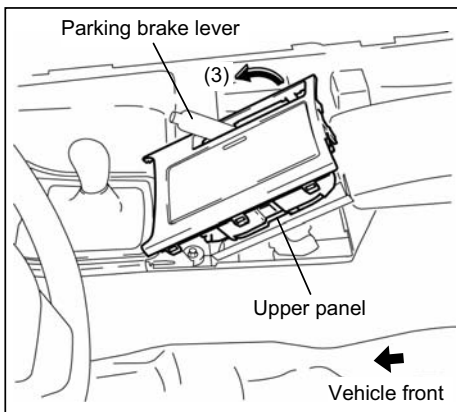


### Upper panel removal

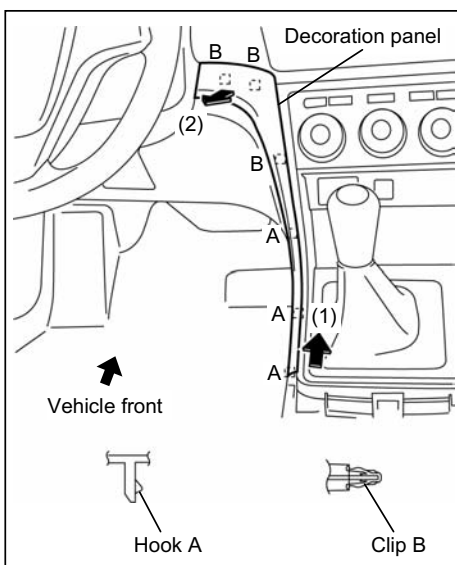
1. Pull the upper panel in the direction of the arrow in the order of (1) and (2), then remove it while detecting clip A (1 location), clips B (6 locations) and clips C (2 locations).

#### ⚠ CAUTION

- When removing clip A, press the connecting part of the center panel lower with a hand to prevent damage to clip A.

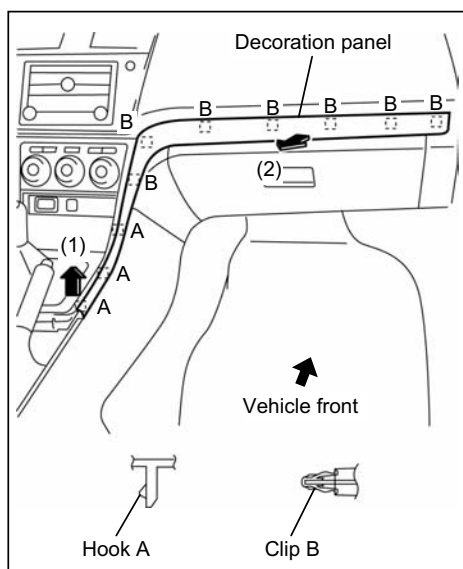


2. Move the upper panel and remove it.



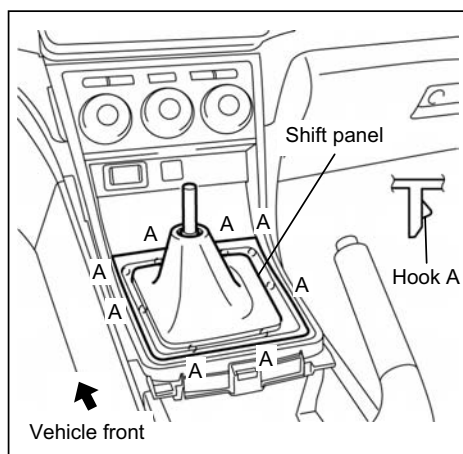
### Decoration panel (driver's side) removal

1. Pull the decoration panel in the direction of the arrow in the order of (1) and (2), then remove it while detaching the hooks A (3 locations) and clips B (3 locations).



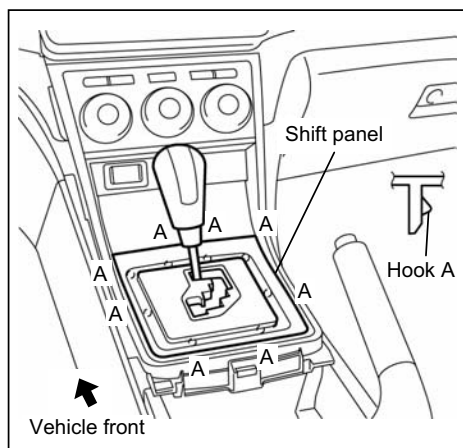
### Decoration panel (passenger's side) removal

1. Pull the decoration panel in the direction of the arrow in the order of (1) and (2), then remove it while detaching the hooks A (3 locations) and clips B (7 locations).



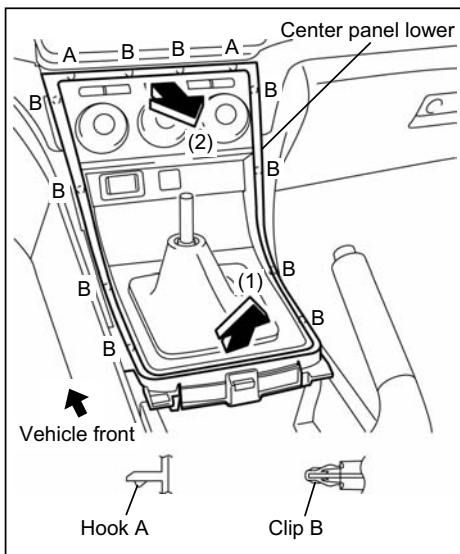
### Shift panel removal (MT vehicles only)

1. Remove the shift lever knob.
2. Pull the boot panel in the direction of the arrow shown in the figure and disengage hooks A (8 locations).



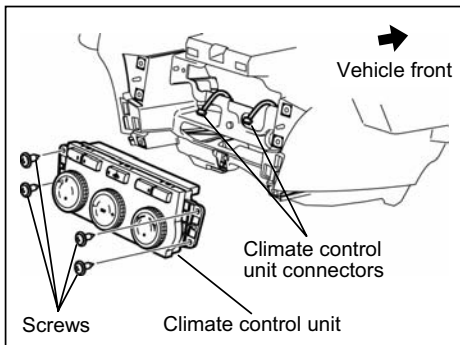
### Shift panel removal (AT vehicles only)

1. Pull the shift panel in the direction of the arrow shown in the figure and disengage hooks A (8 locations).



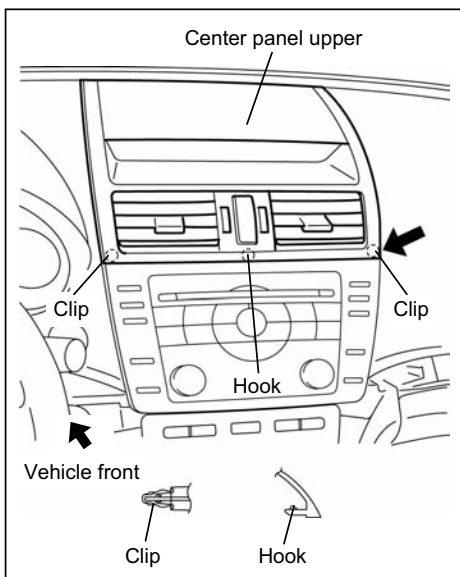
### Center panel lower removal

1. Pull the center panel lower in the direction of the arrow in the order of (1) and (2), then remove it while detaching hooks A (2 locations) and clips B (10 locations).
2. Disconnect the seat warmer switch connector.  
(For vehicles with seat warmer)
3. Disconnect the cigarette lighter socket connector.
4. Remove the ash tray illumination bulb.



### Climate control unit removal

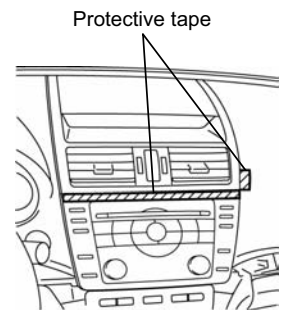
1. Remove the screws (4 locations) and climate control unit.
2. Disconnect the climate control unit connectors and remove the climate control unit.



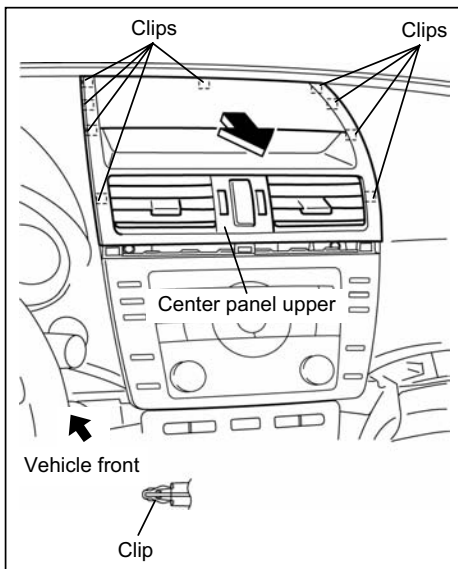
### Center panel upper removal

#### ⚠ CAUTION

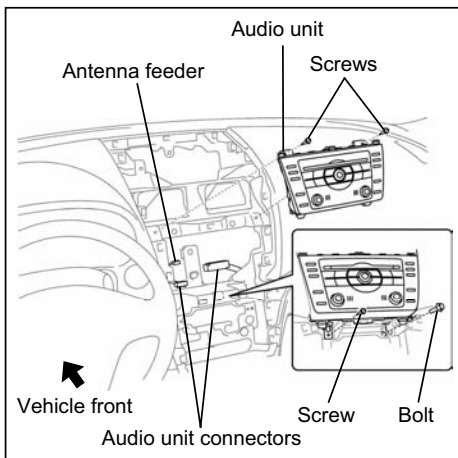
- When using a fastener remover, always make sure that it does not interfere with the car navigation or audio units. Affix protective tape along the shaded area shown in the figure to prevent scratches and damage. Otherwise, it could result in damage to the car navigation or audio units.



1. Insert a tape-wrapped fastener remover into the position indicated by the arrow in the figure, slide it to remove the clips (2 locations), hook (1 location), and raise the front side of the center panel upper.



2. Pull the center panel upper in the direction of the arrow shown in the figure and remove it while detaching the clips (9 locations).
3. Disconnect the hazard switch connector and information display connector.

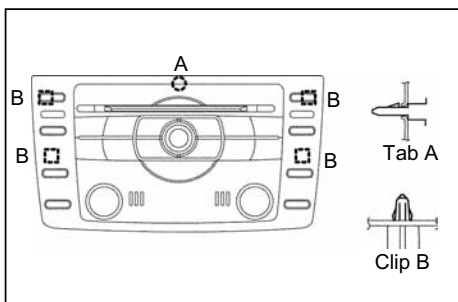


### Center panel module removal

1. Remove the screws (3 locations) and bolt (1 location).
2. Disconnect the audio unit connectors (2 locations) and antenna feeder, and then remove the center panel module.

#### ⚠ CAUTION

- When installing the center panel module, install the wiring harness and antenna carefully so that they are not pinched. Otherwise it could result in the wiring harness and antenna malfunctioning.
- **Tightening torque**  
**Bolt: 6.9 – 9.8 N·m {71.0 – 99.0 kgf·cm}**

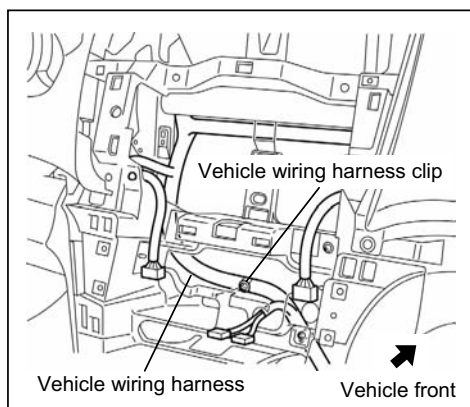


#### Note

- Pull the center panel module outward, detach tab A, and clips B from the dashboard, and then remove the center panel module.

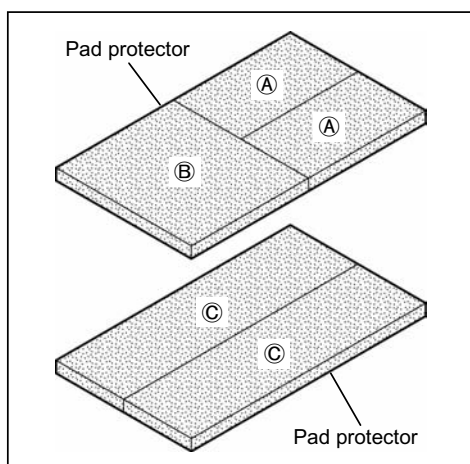


## 7. INSTALLATION AND WIRING



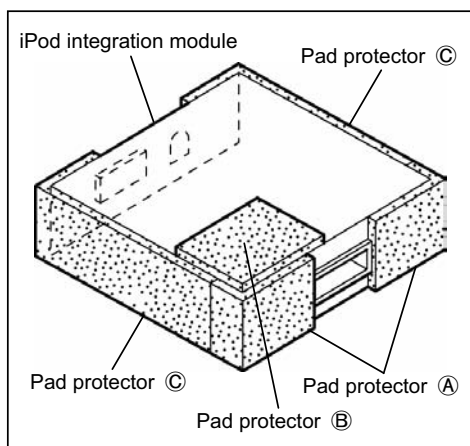
### Vehicle wiring harness processing

1. Remove the vehicle wiring harness clip (1 location).



### Preparation for iPod integration module installation

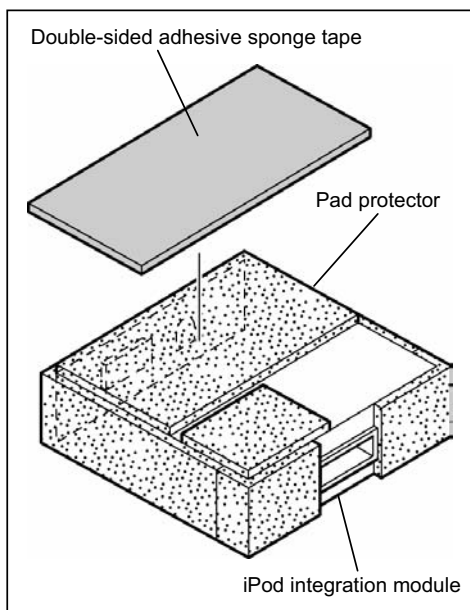
1. Cut the pad protectors as shown in the figure.



2. Adhere the pad protectors cut in Step 1 to the iPod integration module.

#### CAUTION

- To ensure proper adhesion, always degrease the area where a pad protector is to be adhered.



3. Adhere the pad protector to the iPod integration module as shown in the figure.

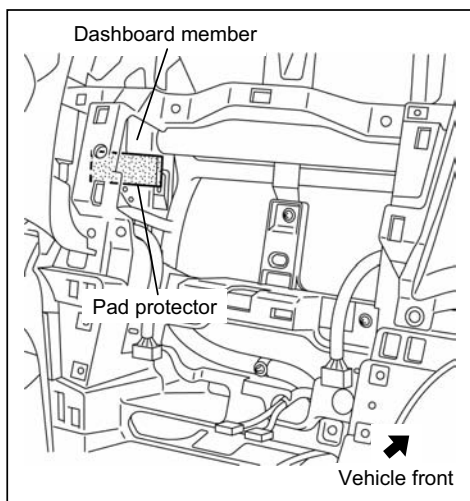
**⚠ CAUTION**

- To ensure proper adhesion, always degrease the area where a pad protector is to be adhered.

4. Adhere double-sided adhesive sponge tape to the iPod integration module and cut off the remaining portion.

**⚠ CAUTION**

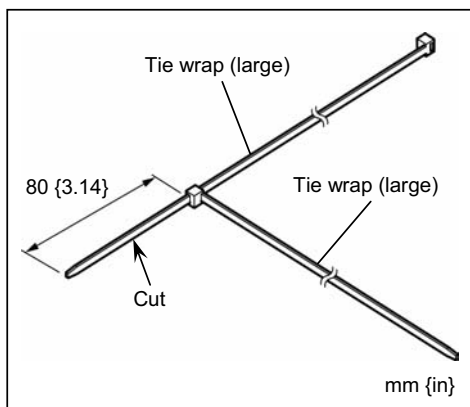
- To ensure proper adhesion, always degrease the area where the double-sided adhesive sponge tape is to be adhered.



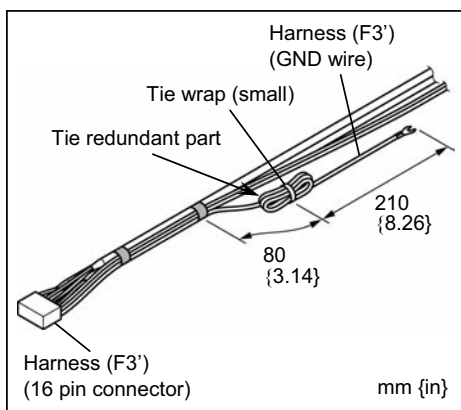
5. Adhere the pad protector to the dashboard member as shown in the figure.

**⚠ CAUTION**

- To ensure proper adhesion, always degrease the area where a pad protector is to be adhered.

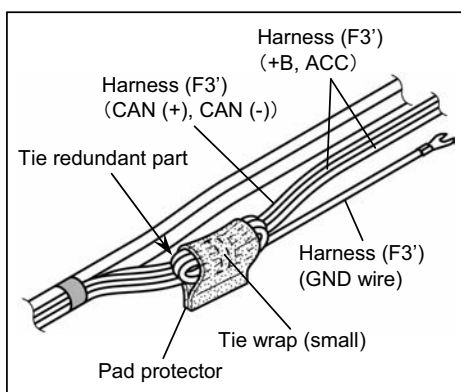


6. Couple two tie wraps (large) as shown in the figure and cut away the unused portion.

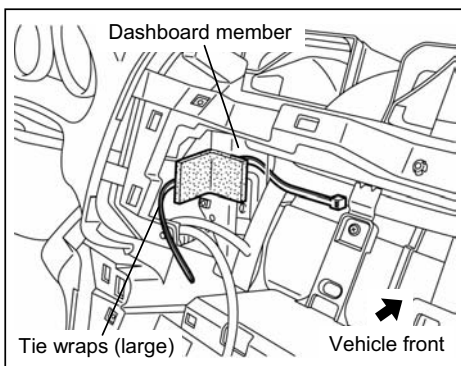


### Preparation for harness (F3') installation

1. Bind the harness (F3') (ground wire) as shown in the figure and secure it using a tie wrap (small).

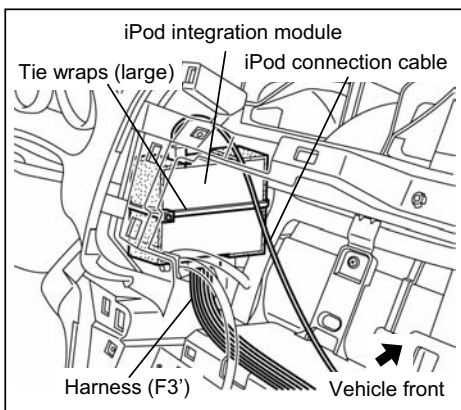


2. Bind the harness (F3') (CAN (+,-), +B, ACC) and the harness (F3') (ground wire) with a tie wrap (small), and wrap the harnesses with a pad protector.



### iPod integration module installation

1. Position the connected tie wraps (large) to the back side of the dashboard member.



2. Connect the iPod connection cable and harness (F3') to the iPod integration module.
3. Insert the iPod integration module into the dashboard and adhere.

#### ⚠ CAUTION

- To ensure proper adhesion, always degrease the area where the double-sided adhesive sponge tape is to be adhered.

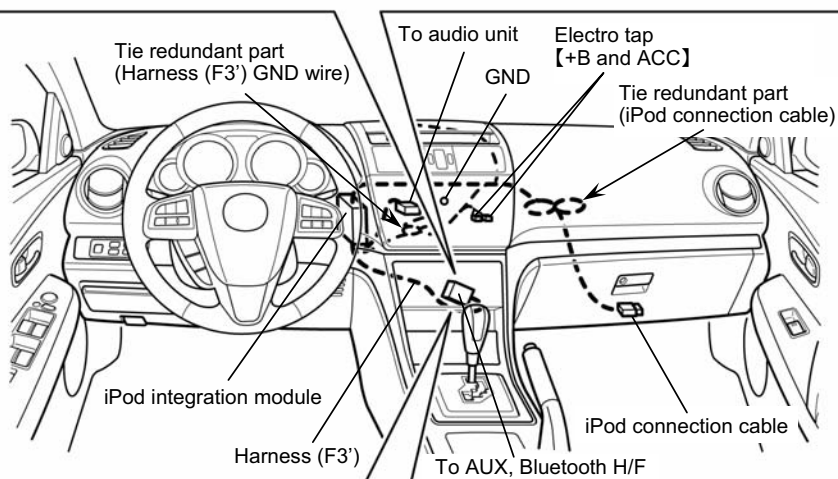
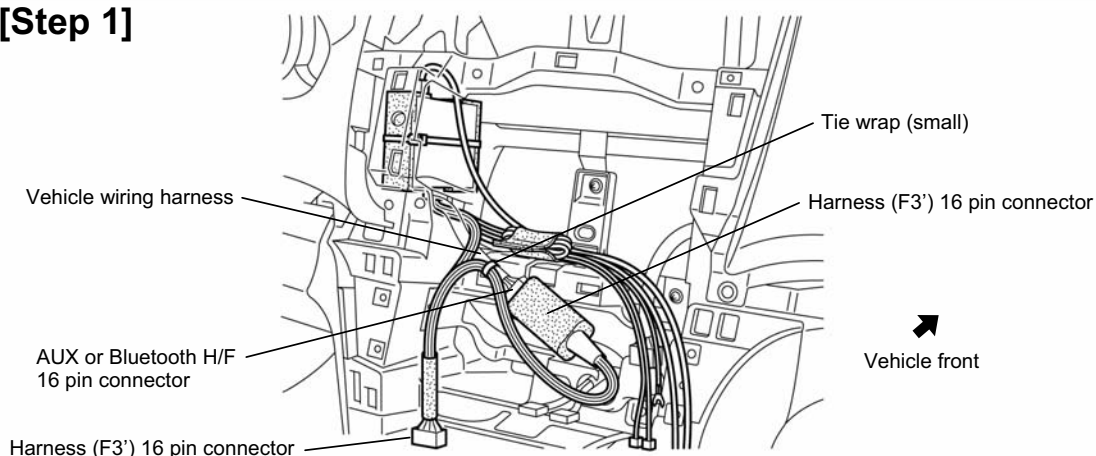
4. Secure the iPod integration module and the dashboard member with tie wraps (large).

## WIRING <Installation of iPod integration module>

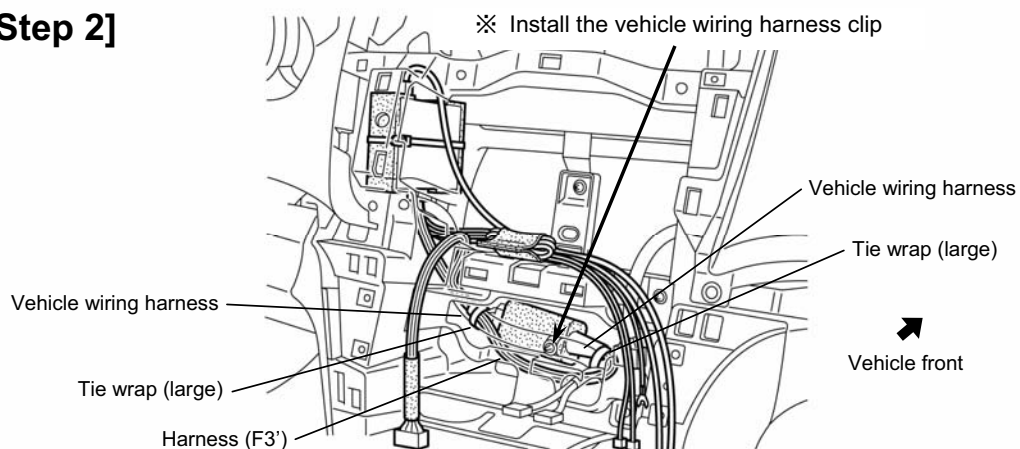
### ⚠ CAUTION

- To prevent an open or short circuit in the wiring of the iPod integration module, be sure to route cables avoiding sharp edges and burrs of the vehicle's sheet metal.
- To ensure proper affixing, be sure to degrease the area where the pad protector is affixed.
- After fixing a cable with a tie wrap, cut off excess tie wrap using nippers. Otherwise it may interfere with other parts causing failure or noise.

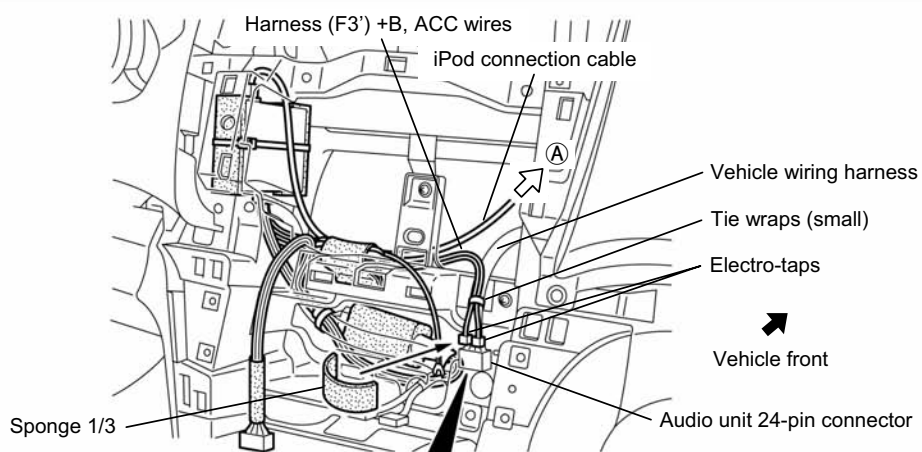
### [Step 1]



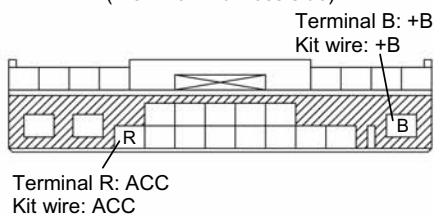
### [Step 2]



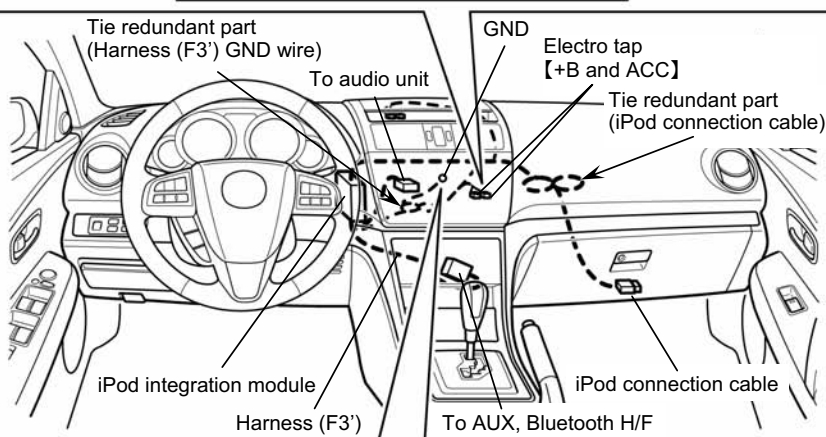
## [Step 3]



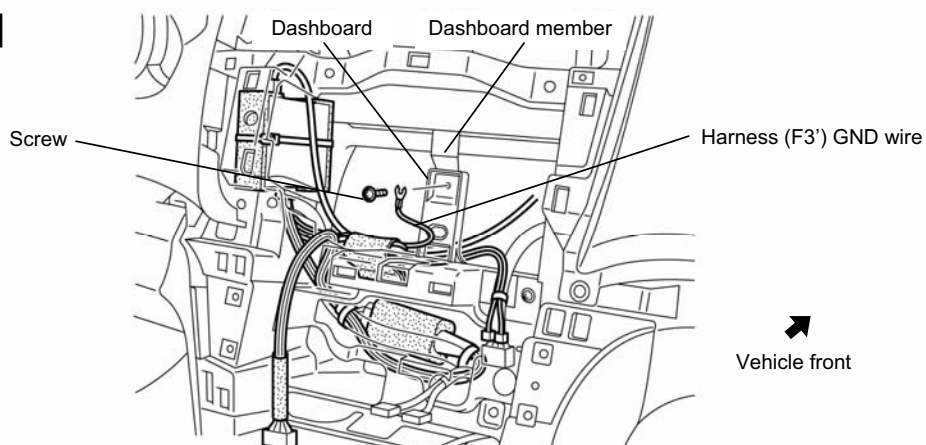
**[ Audio unit 24 pin connector ]**  
(View from harness side)



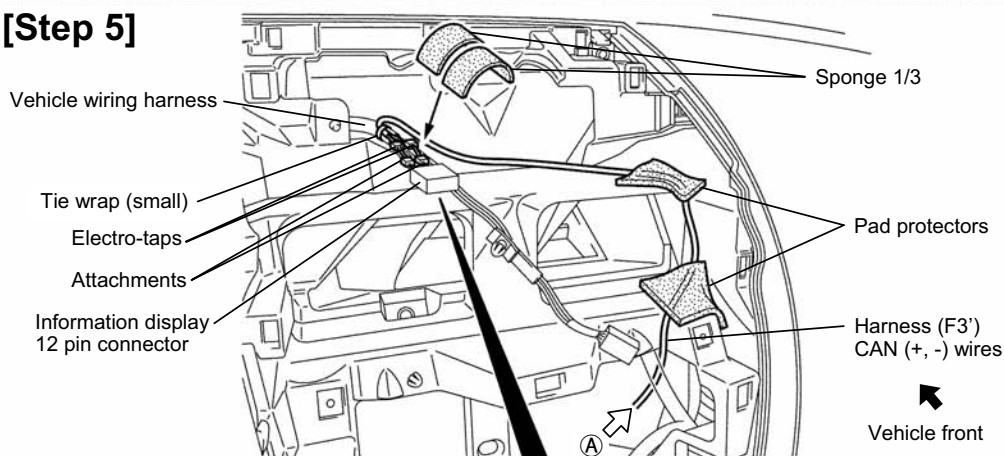
※ Please refer to  
“Branching connection using  
electro-tap” at page 16.



## [Step 4]

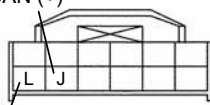


## [Step 5]



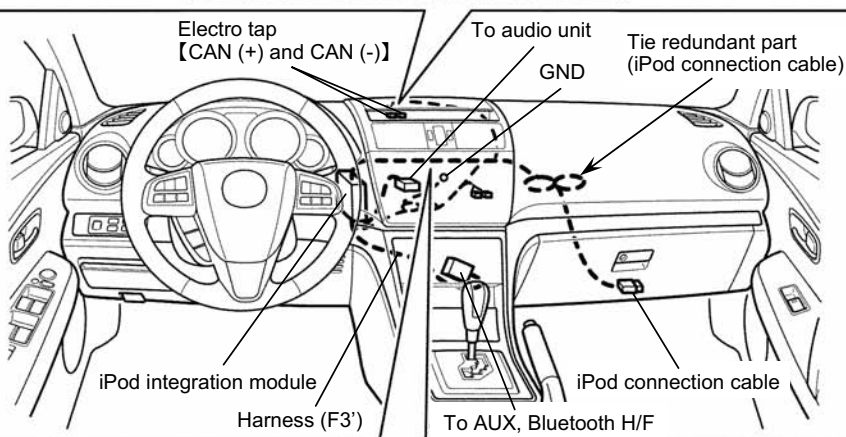
### [ Information display 12 pin connector ] (View from harness side)

Terminal J: CAN (+)  
Kit wire: CAN (+)

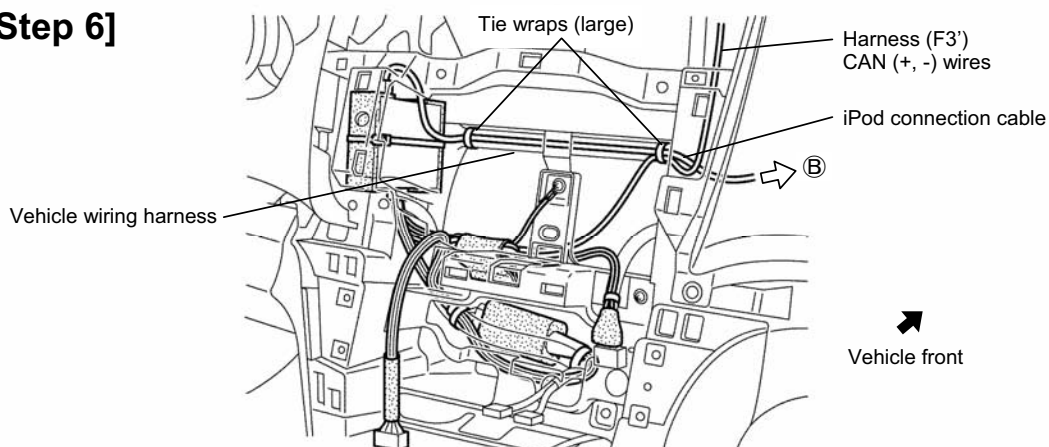


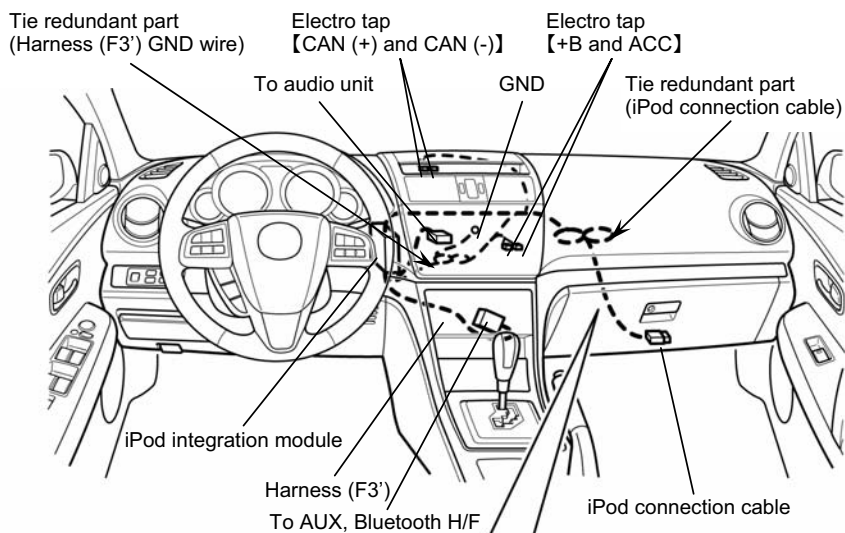
Terminal L: CAN (-)  
Kit wire: CAN (-)

※ Please refer to  
"Branching connection using  
electro-tap" at page 16.

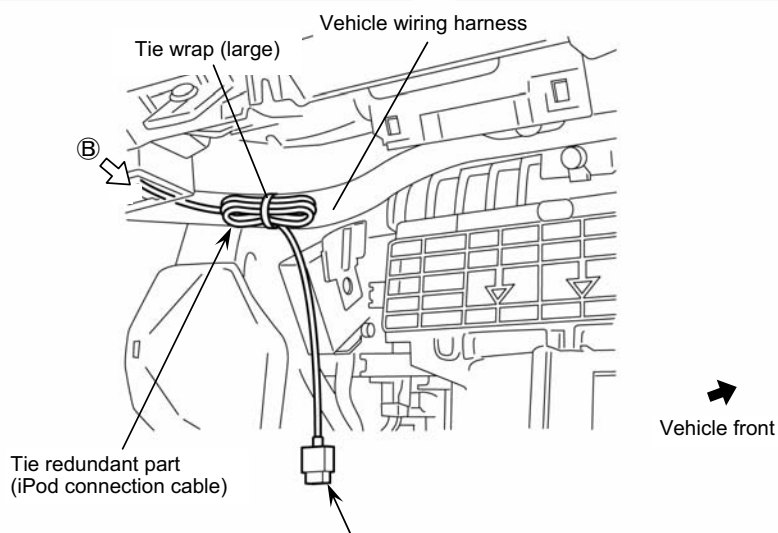


## [Step 6]



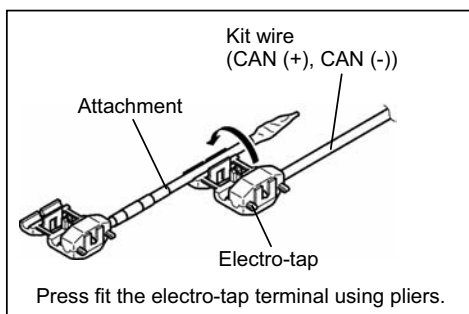


## [Step 7]



Remove connector cover when connecting iPod; fit connector cover when iPod is not used.  
Put iPod connection cable in glove box (Cable 300 {11.81} from dashboard member).

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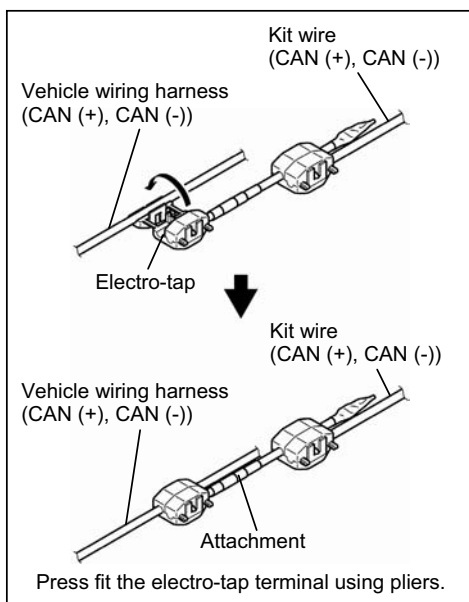
## Branching connection using electro-tap

### 【CAN (+), CAN (-) only】

1. Pass the wire of the Attachment through the electro-tap of CAN (+), CAN (-) wire (kit part).
2. Fold the electro-tap in the direction of the arrow and lock it.
3. Press fit the electro-tap terminal using pliers.

#### ⚠ CAUTION

- Lock the electro-tap locking area firmly until a click sound is heard.
- Do not reuse an electro-tap if it has been used once.



4. Pass the vehicle wiring harness (CAN (+), CAN (-)) through the Attachment.

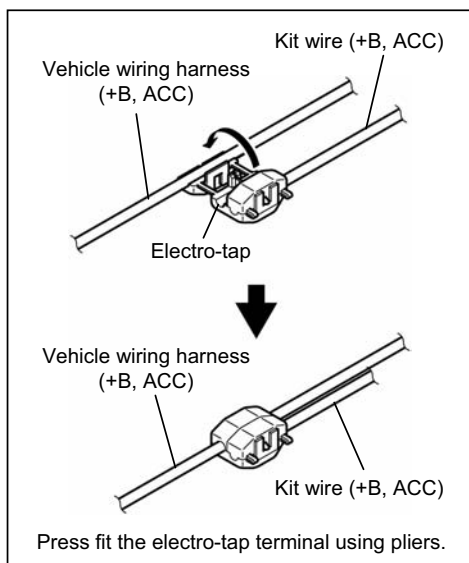
Information display 12 pin connector (Vehicle wire)	Kit wire
Terminal J	CAN (+)
Terminal L	CAN (-)

\* For the iPod (kit side), check the type of wire by means of the tag which is attached to the wire.

5. Fold the electro-tap in the direction of the arrow and lock it.
6. Press fit the electro-tap terminal using pliers.

#### ⚠ CAUTION

- Lock the electro-tap locking area firmly until a click sound is heard.
- Do not reuse an electro-tap if it has been used once.



### 【+B, ACC only】

1. Pass the vehicle wiring harness (+B, ACC) through the electro-tap.

Audio unit 24 pin connector (Vehicle wire)	Kit wire
Terminal B	+B
Terminal R	ACC

2. Fold the electro-tap in the direction of the arrow and lock it.
3. Press fit the electro-tap terminal using pliers.

#### ⚠ CAUTION

- Lock the electro-tap locking area firmly until a click sound is heard.
- Do not reuse an electro-tap if it has been used once.



## 8. CONNECTION CHECK

1. Reconnect the negative battery cable.



### CAUTION

- Disconnecting the battery causes the DSC indicator light to become inoperable.  
(At this point, the DSC OFF indicator light flashes and the TCS/DSC indicator light is illuminated.)  
To restore the DSC to an operable condition, perform the following procedures:
  1. Turn the ignition switch to the ON position.
  2. Turn the steering wheel completely to the right and then completely to the left.
  3. Verify that the DSC OFF indicator light goes out.
  4. Turn the ignition switch off and then turn it to the ON position again.
  5. Verify that the TCS/DSC indicator light goes out.If the TCS/DSC or DSC OFF indicator lights do not go out after turning the ignition switch to the ON position, consult your Mazda dealer.
- When the battery is disconnected, the windows will not fully open and close automatically.  
Perform the following procedure to resume operation:
  1. Turn the ignition switch to the ON position.
  2. Press the switch and fully open the window.
  3. Pull up the switch and continue holding for about 2 seconds to fully close the window.
  4. If the function does not operate even after the ignition switch is turned off, contact an Authorized Mazda Dealer.

# INSTALLATION INSPECTION SHEET

**MAZDA6**

**iPod INTEGRATION MODULE  
HARNESS KIT F3'+Attachments**

**BBM2 79 CFZ  
C9FC V6 029**

## Inspection after installation

- Inspect the installed / reinstalled parts for the following items.

Inspection Parts	Check Item (○)			
	Clearance/Fit	Scratches/Dirt/ Harness interference	Installation/ Tightening/ Engagement	Operation check
iPod integration module	○	○	○	○
Battery cable	○	○	○	
Glove compartment	○	○	○	
Upper panel	○	○	○	
Decoration panel (driver's side)	○	○	○	
Decoration panel (passenger's side)	○	○	○	
Shift panel	○	○	○	
Center panel lower	○	○	○	○
Climate control unit	○	○	○	○
Center panel upper	○	○	○	○
Center panel module	○	○	○	○

## Installation inspection sheet

Date , ,				
Vehicle.				
VIN.				
Approved		Checked		Person in charge

The term of validity for this sheet: 12 months