

GENUINE INTEGRATION MODULE HARNESS KIT A4, F4



INSTALLATION INSTRUCTIONS

Vehicle: Mazda MX-5

Parts number: BBM2 79 CFZ (iPod integration module)

C9FA V6 029 (Harness Kit A4)

C9FB V6 029 (Harness Kit F4)

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.



1. PARTS

PARTS LIST



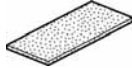

NOTE:

- 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 A4 (Part No. C9FA V6 029) / Harness kit F4 (Part No. C9FB V6 029)

Parts	Part Name	Qty	Parts	Part Name	Qty	Parts	Part Name	Qty
	Harness (A4) or Harness (F4)	1		CAN-termination cable	1		Pad protector (50 × 100 mm)	17
	Tie wrap Large 300 mm Small 100 mm	L 3 S 2						

2. REQUIRED TOOLS

- ☆ Flathead screwdriver
- ☆ Socket wrench
- ☆ Pliers
- ☆ Soft cloth
- ☆ Phillips screwdriver
- ☆ Cutter knife
- ☆ Scissors
- ☆ Vinyl tape
- ☆ Fastener remover
- ☆ Mat

3. BEFORE INSTALLATION

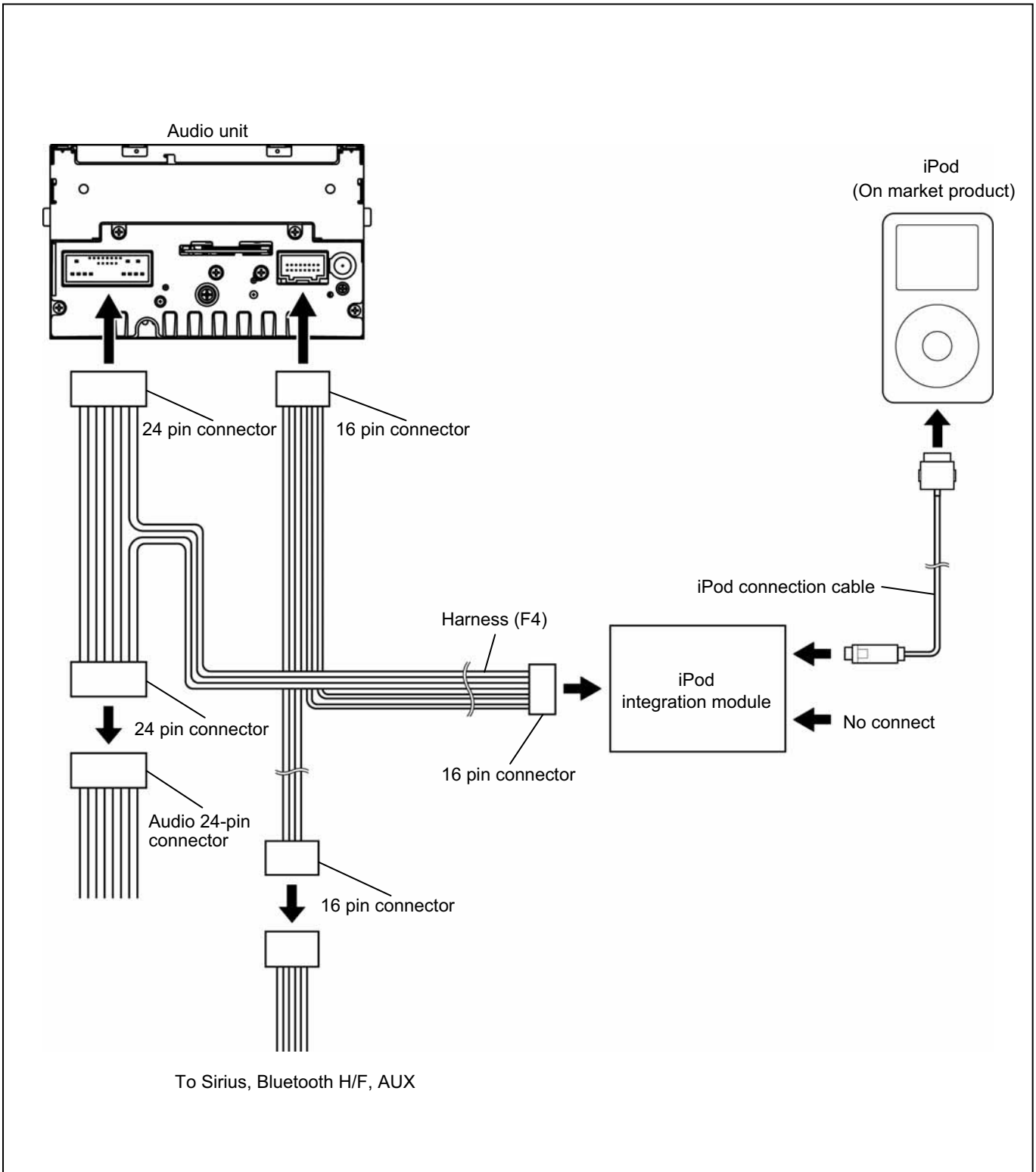
⚠ CAUTION

- 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.

【Harness F4】



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

NOTE

- The procedure described here is for a right-hand drive vehicle, however, perform work in the same manner for a left-hand drive vehicle as well.

Negative battery cable disconnection

1. Set the selector lever to D range. (AT vehicles only)

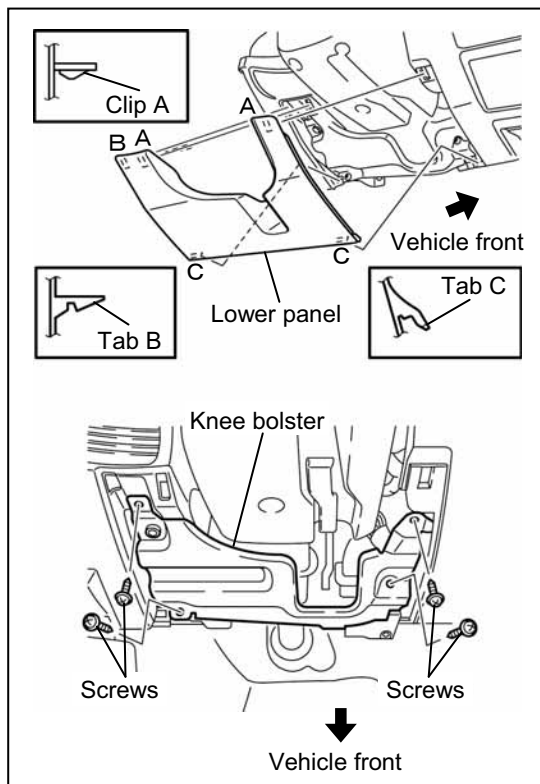
⚠ WARNING

- When removing/installing the parts, park the vehicle on level ground and apply the side brake securely. Be sure to turn the ignition switch off, otherwise the vehicle can move, causing personal injury or vehicle damage.

2. Disconnect the negative battery cable and wrap tape around it to insulate.

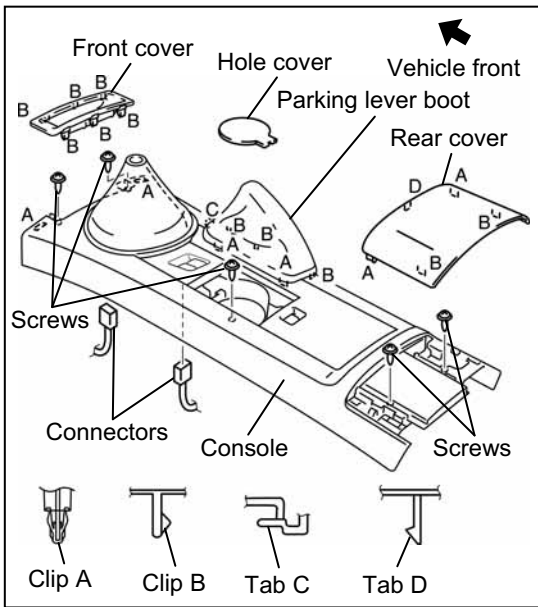
⚠ WARNING

- 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.



Lower panel removal

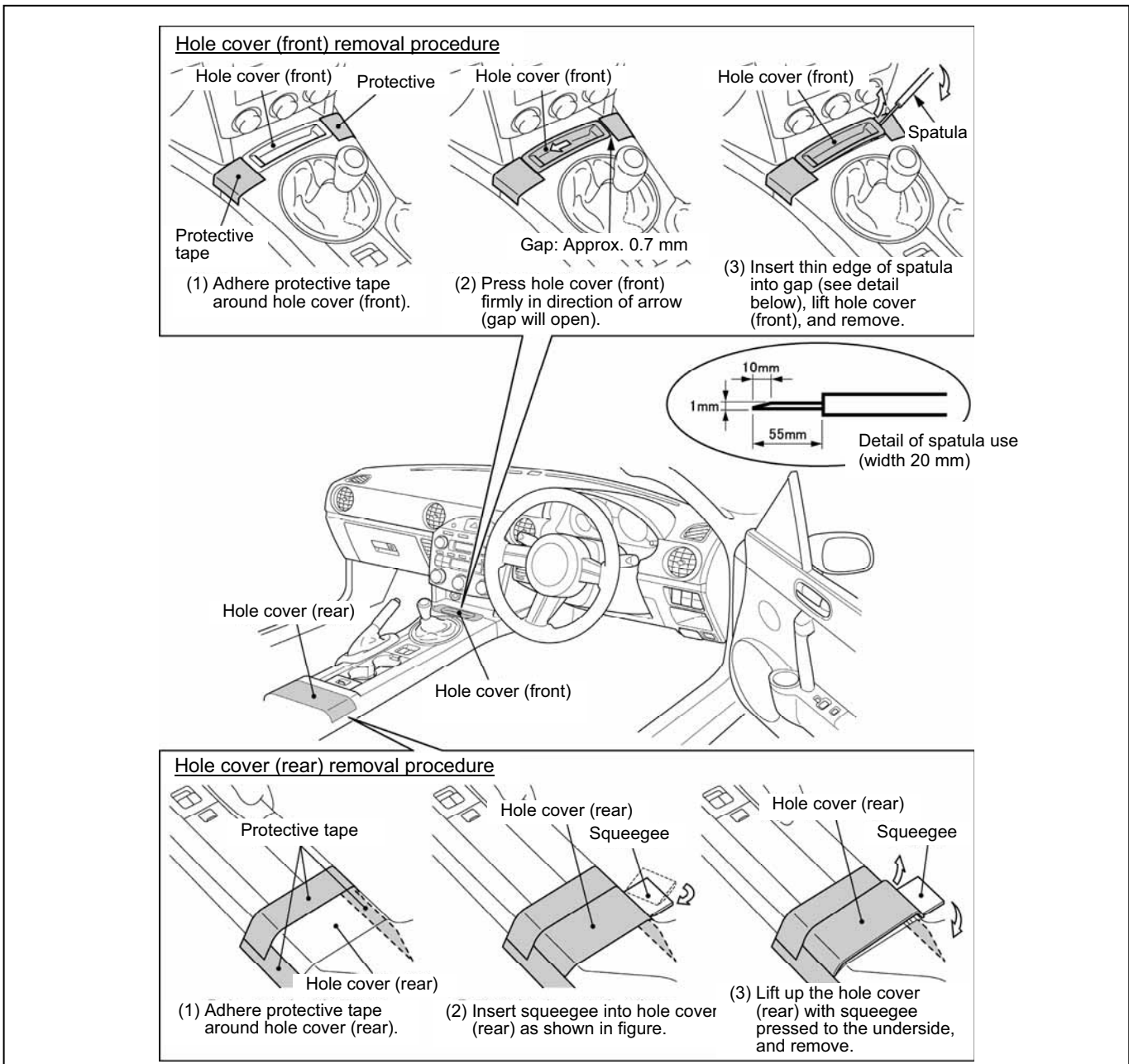
1. Pull the top side of the lower panel outward, and then remove clips A (2 locations) and tab B (1 location).
2. Remove tabs C (2 locations), then remove the lower panel.
3. Remove the screws (4), then remove the knee bolster.
(If equipped)

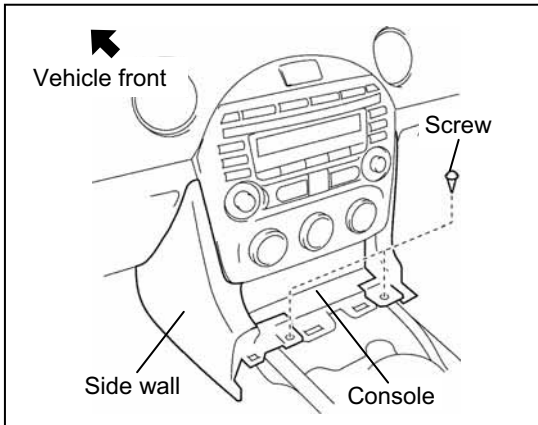


Console removal

1. Remove the shift lever knob or selector lever knob.
2. Pull the hole cover (front) upward, detach tabs A (6 locations), and then remove the hole cover (front).
(Reference for hole cover removal procedure)
3. Pull the hole cover (rear) upward, detach clips B (2 locations), detach tabs C (3 locations), and remove the hole cover (rear).
(Reference for hole cover removal procedure)
4. Pull the parking brake boot upward, detach clips B (2 locations), tabs D (3 locations), and then remove the parking brake boot. (For AT vehicles, disconnect the shift lever illumination light connector after removing the parking brake boot.)
5. Pull the power window main switch upward, detach tabs E (4 locations), and disconnect the connector (2 locations) while holding up the power window main switch.
6. Remove the cover.
7. Remove the screws (5), detach clips B (2 locations), and then remove the console.

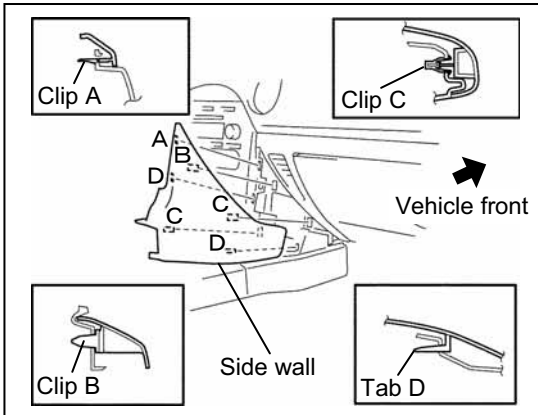
Hole Cover Removal Procedure



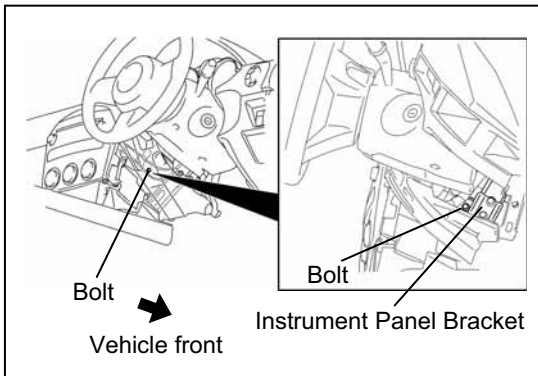


Side wall removal

1. Remove the screws (2 locations).



2. Pull the side wall outward, detach clips A (2 locations), clips B (4 locations), the pin C (1 location), and tab D (1 location), and then remove the side wall.

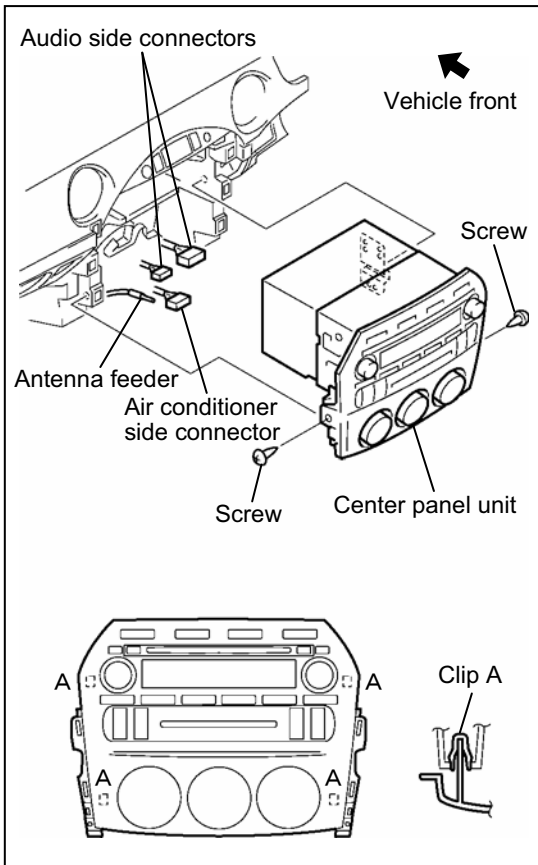


Center panel unit removal

1. Shift a shift lever to the R position or a selector lever to the D range.
2. Remove the bolt (1 location).

Bolt tightening torque:

6.9 – 9.8 N·m {71 – 99 kgf·cm · 62 – 86 in·lbf }

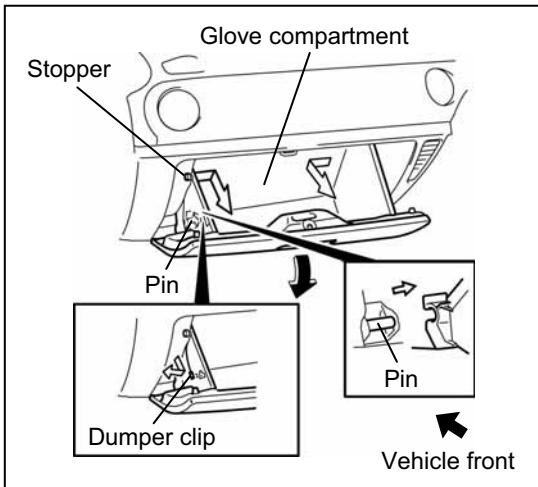


3. Remove the screws (2 locations).
4. Pull the center panel module outward, then remove clips A (4 locations).
5. Remove the air conditioner side connector.
6. Pull the center panel module further outward and cut off the tape binding the antenna and vehicle side wiring harness.

CAUTION

- Do not apply excessive force when pulling out the center panel; otherwise it could cause an open circuit.

7. Remove the audio side connectors (2 locations), the antenna feeder (1 location), and then remove the center panel unit.



Glove compartment removal

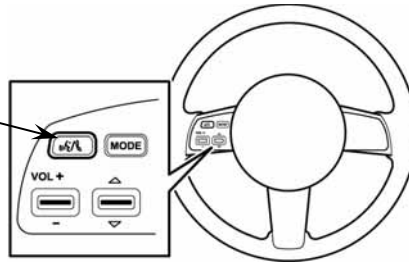
1. Remove the dumper clip (1 location).
2. Bend the stoppers (2 locations) inward, then remove.
3. Turn the glove compartment downward and pull the pins (2 locations).
4. Remove the glove compartment.

7. INSTALLATION AND WIRING

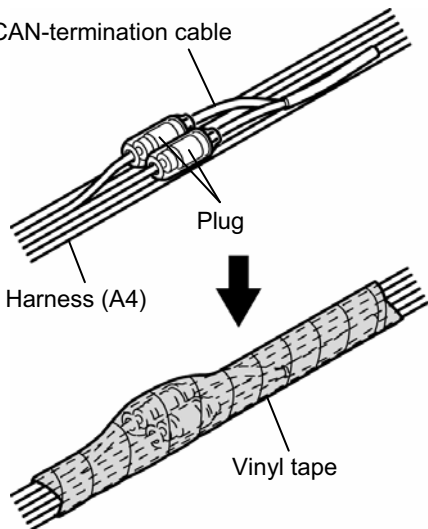
NOTE:

- For steering switches equipped without the voice recognition/hands-free switch, connect the CAN-termination cable to the harness (A4).

Voice recognition
/hands-free switch



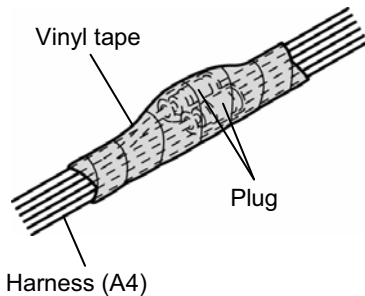
CAN-termination cable



Vehicles without voice recognition /hands-free switch

1. Connect the CAN-termination cable to the harness (A4).
2. Wrap the connected plug area together with the wiring harness (A4) using the vinyl tape.

Vinyl tape

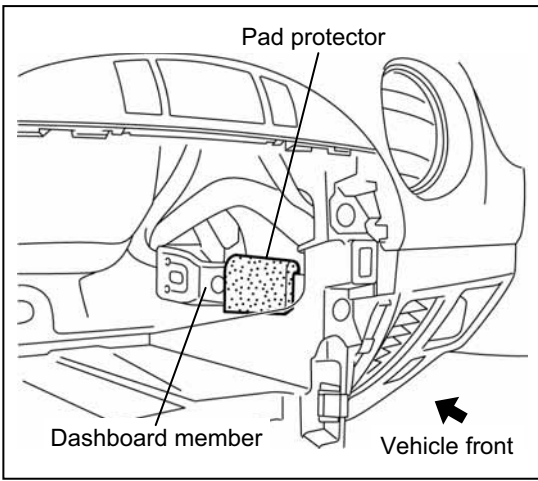


Vehicles with voice recognition/hands-free switch

1. Wrap the plug area of the wiring harness (A4) together with the wiring harness (A4) using vinyl tape.

Note

- Not used the CAN-termination cable.

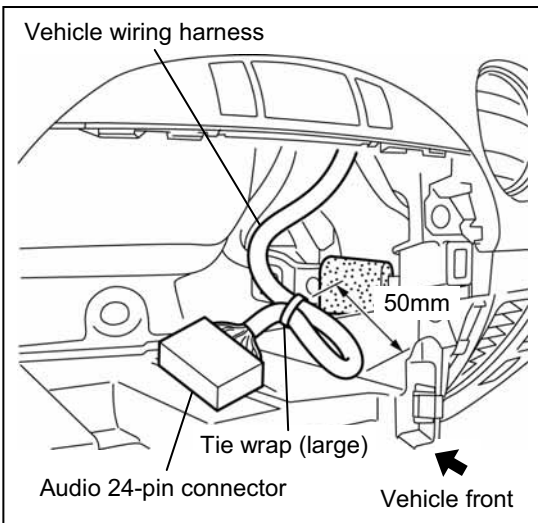


Preparation for harness (A4 or F4) installation

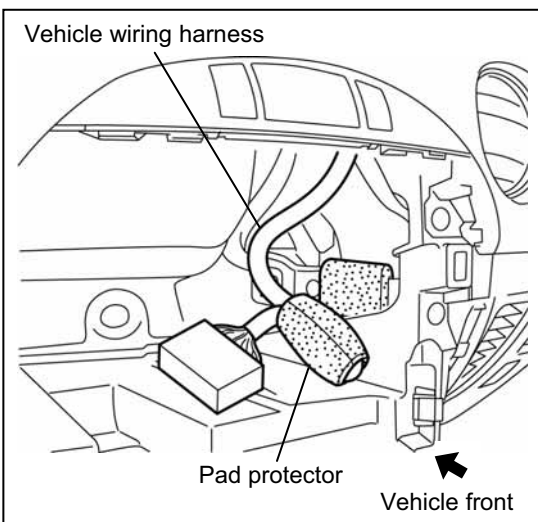
1. Affix the pad protector to the dashboard member.

⚠ CAUTION

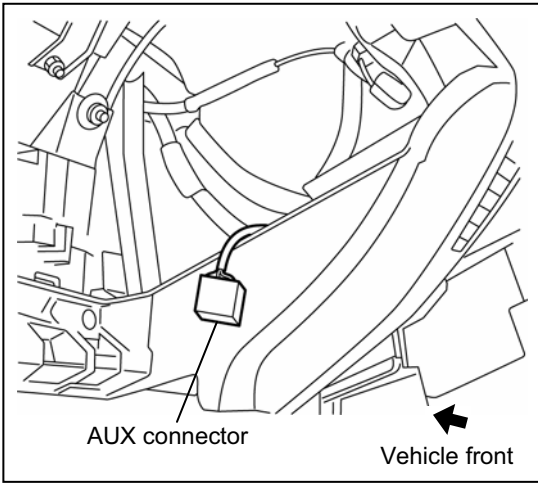
- To ensure proper affixing, be sure to degrease the area where the pad protector is affixed.



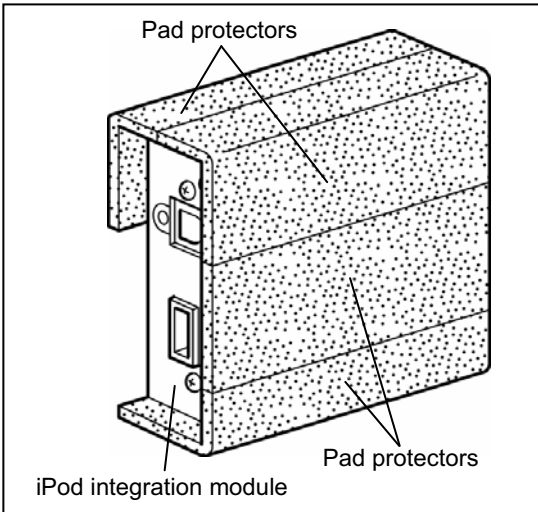
2. Fold back the vehicle wiring harness and bundle it with a tie wrap (large) as shown in the figure.



3. Wrap the pad protector around the vehicle wiring harness after folding the wiring harness back on itself.



4. Pull the disconnected AUX connector from the backside of the center panel module and route it to the glove compartment.



Preparation for iPod integration module installation

1. Affix the pad protectors to the iPod integration module as shown in the figure.

CAUTION

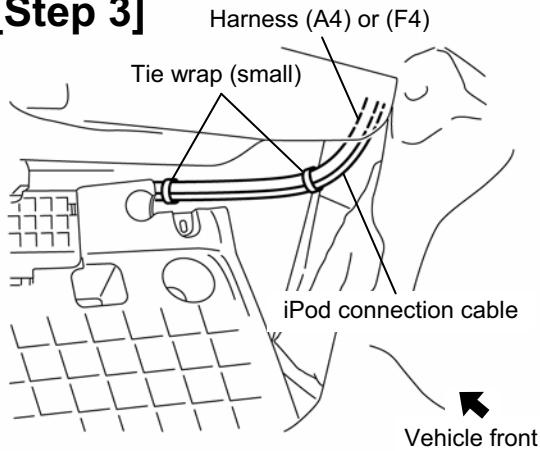
- To ensure proper affixing, be sure to degrease the area where the pad protector is affixed.

WIRING <Installation of iPod integration module>

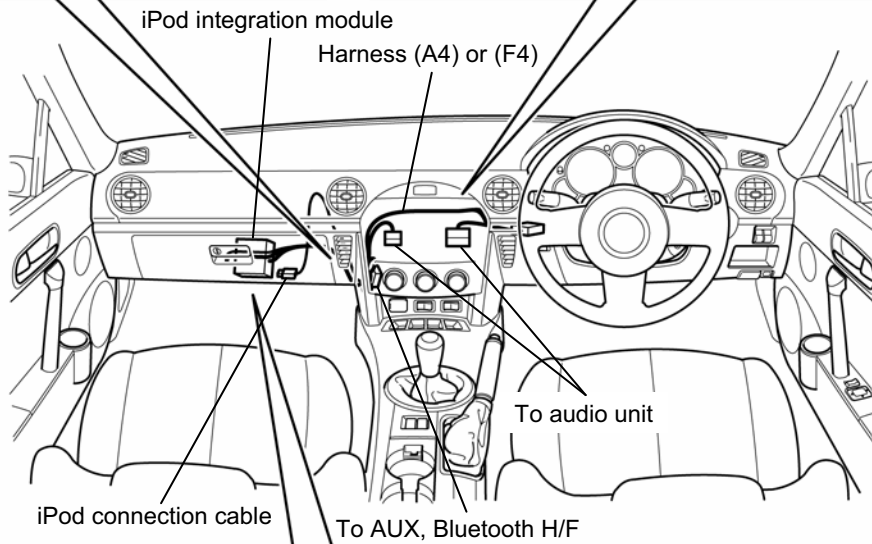
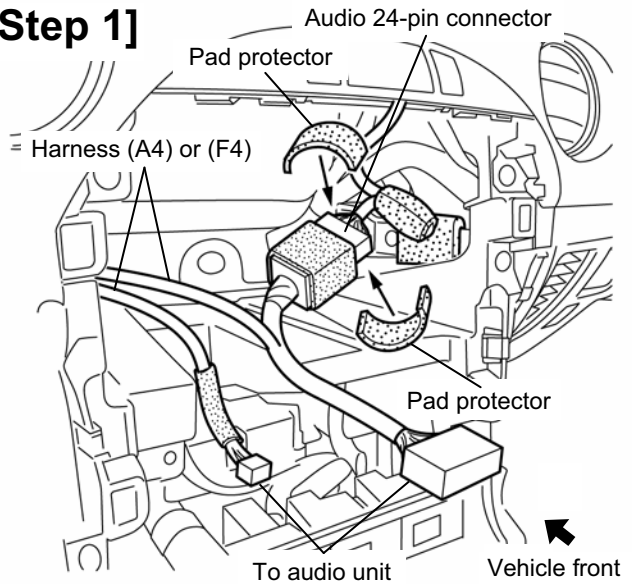
⚠ CAUTION

- 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.
- 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.

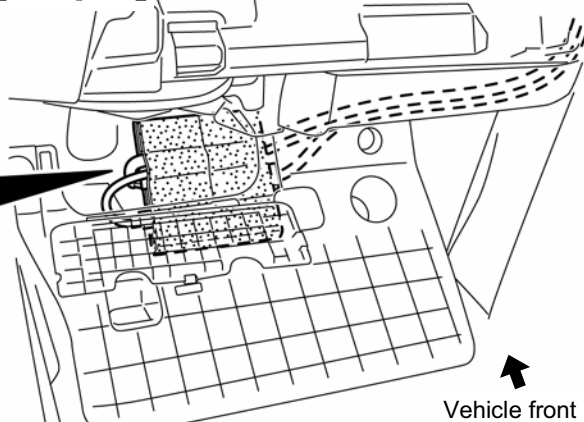
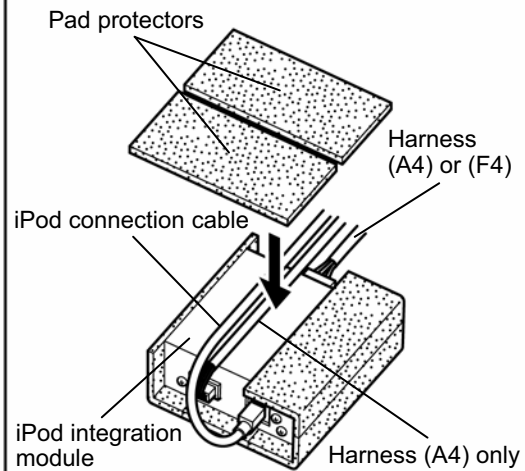
[Step 3]



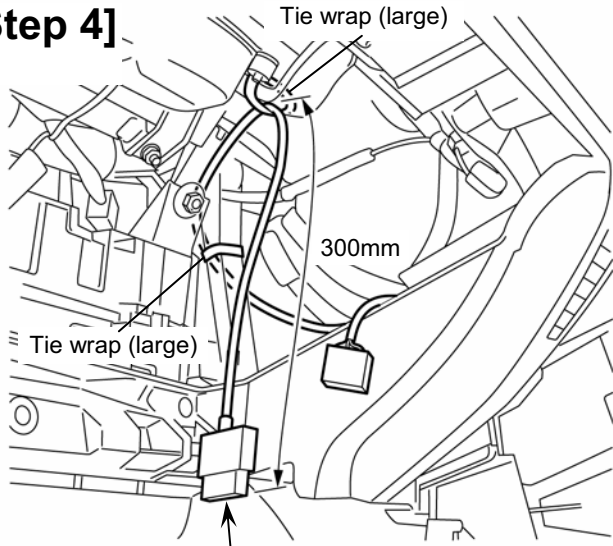
[Step 1]



[Step 2]



[Step 4]



Remove connector cover when connecting iPod;
fit connector cover when iPod is not used
Put iPod connection cable in glove box

Vehicle front

Harness (A4) or (F4)

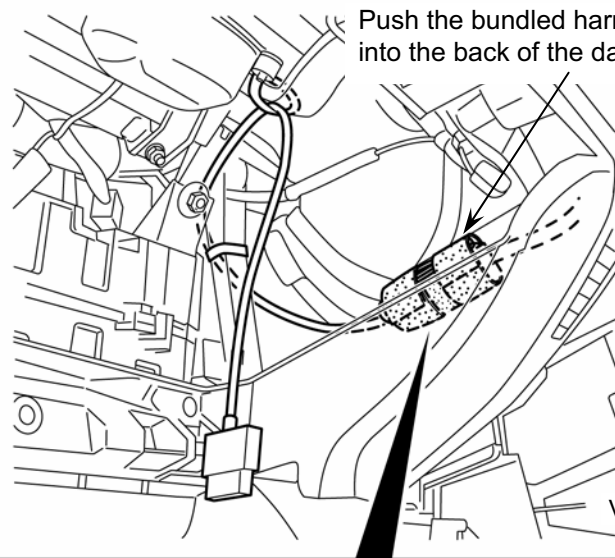
iPod integration module

iPod connection cable

To audio unit

To AUX, Bluetooth H/F

[Step 5]



Push the bundled harness (A4) or (F4)
into the back of the dashboard.

Vehicle front

Tie redundant part
(A4) or (F4) and
iPod connection cable

AUX connector

16 pin connector

Tie wrap (large)

Pad protector

Pad protector

Pad protector

Pad protector

Pad protectors

8. OPERATION 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

MX-5

**iPod INTEGRATION MODULE
HARNESS KIT A4, F4**

**BBM2 79 CFZ
C9FA V6 029
C9FB 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
Glove compartment	○	○	○	
Center panel unit	○	○	○	○
Side wall	○	○	○	
Console	○	○	○	○
Knee bolster (If equipped)	○	○	○	
Lower panel	○	○	○	
Battery cable	○	○	○	

Important check items

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

Section	Parts Name	Tightening torque	Check and write the tightening torque	Person in charge
Center panel unit installation (Mazda MX-5-7)	Bolt	6.9-9.8N·m	N·m	

Installation inspection sheet

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

The term of validity for this sheet: 12 months