

## Mazda RX-8 2004-2008

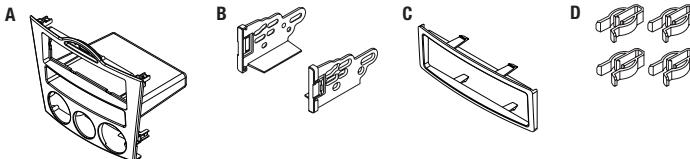
### KIT FEATURES

- DIN radio provision with pocket
- ISO DIN radio provision with pocket



### KIT COMPONENTS

- A) Radio/climate control housing
- B) ISO DIN brackets
- C) ISO DIN trim plate
- D) (4) Plastic panel clips
- E) Axxess Interface and wiring harness (not shown)



### WIRING & ANTENNA CONNECTIONS

Wiring Harness: • Axxess interface and wiring harness included

Antenna Adapter: • Not required

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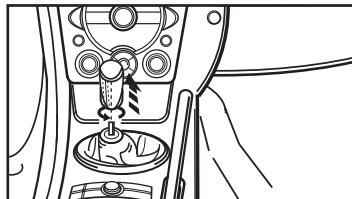
### TOOLS REQUIRED

- Panel removal tool • Phillips screwdriver
- 10mm socket wrench • Cutting tool

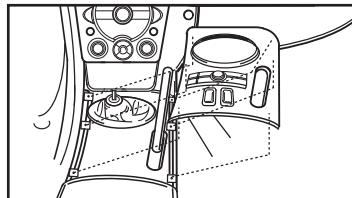
**CAUTION!** All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

## Dash Disassembly

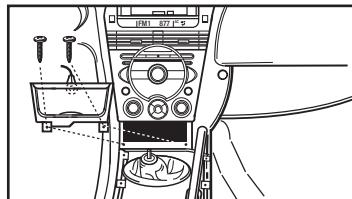
1. Unscrew the shift knob counter clockwise to remove. (Figure A)
2. Unclip and remove the shifter trim panel. (Figure B)
3. Remove (2) Phillips screws from the bottom of the ashtray assembly, then unclip and remove. (Figure C)



(Figure A)



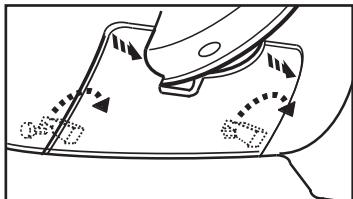
(Figure B)



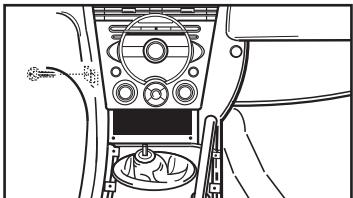
(Figure C)

4. Unclip and remove the knee panel on the driver's side under the steering column (Figure D)
5. Remove (1) 10mm bolt securing the side of the radio. (Figure E)
6. Remove (2) Phillips screws from the bottom of the radio/climate control panel, then unsnap and remove. (Figure F)

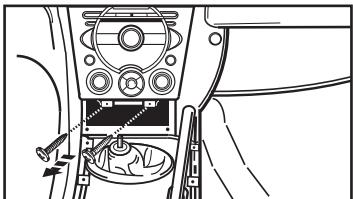
*Continue to Kit Preparation*



(Figure D)



(Figure E)

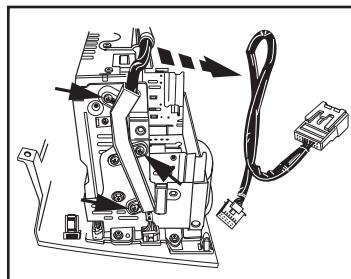


(Figure F)

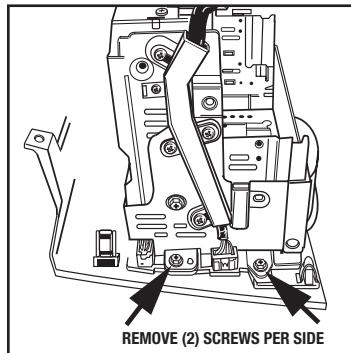
## Kit Preparation

### From the factory radio/climate control panel:

1. Remove (3) screws securing the display harness. This harness will be reused in kit assembly. (Figure H)
2. Remove (4) screws securing the radio chassis, and then remove. (Figure I)



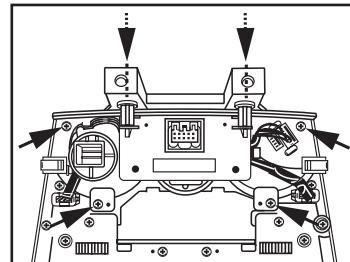
(Figure H)



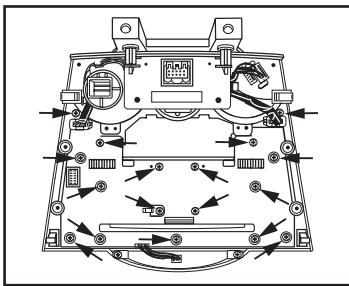
(Figure I)

3. Remove (6) screws securing the climate controls, and then remove. The controls and hardware will be reused in kit assembly. (Figure J)
4. Remove (17) screws securing the circuit board to access the hazard switch assembly. (Figure K)
5. Remove (2) screws securing the hazard switch assembly. Carefully pull and release the hazard switch button from the assembly to fully remove the complete assembly. The switch and hardware will be reused in kit assembly. (Figure L)

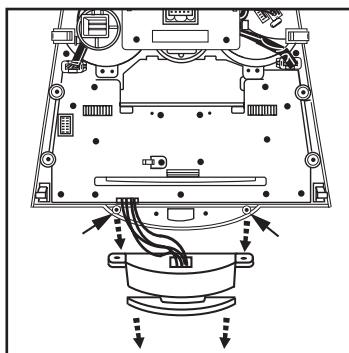
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(Figure J)



(Figure K)



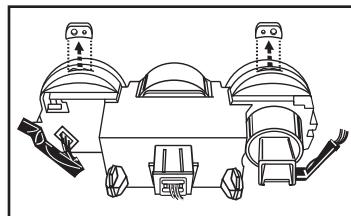
(Figure L)

## Kit Preparation

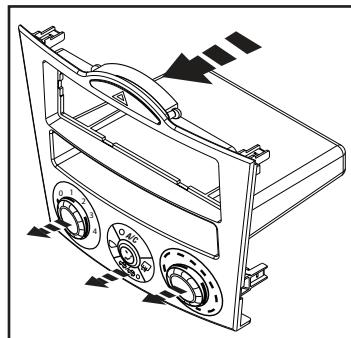
### To the radio/climate control housing:

1. Cut the top (2) mounting locations off of the climate controls to provide clearance for the aftermarket radio. (Figure A)
2. Secure the climate controls using the factory hardware. (Figure B)
3. Secure the hazard switch assembly using the factory hardware. Push the hazard switch button back into the assembly. (Figure B)
4. Attach the (4) plastic panel clips provided.

*Continue to Kit Assembly*



(Figure A)



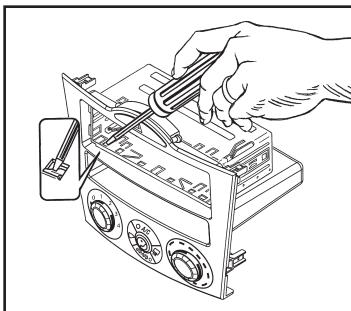
(Figure B)

## Kit Assembly

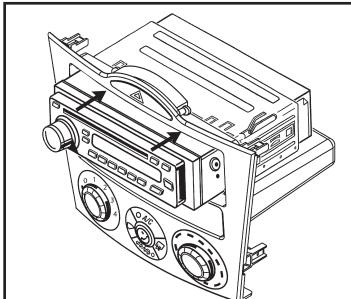
### DIN radio provision with pocket

1. Remove the metal DIN sleeve from the aftermarket radio.
2. Slide the sleeve into the *radio/climate control housing* and secure by bending the metal locking tabs outward. (Figure A)
3. Slide the radio into the sleeve until it clicks in. (Figure B)

*Continue to Axxess Interface Installation*



(Figure A)



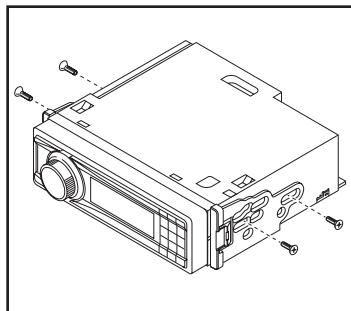
(Figure B)

## Kit Assembly

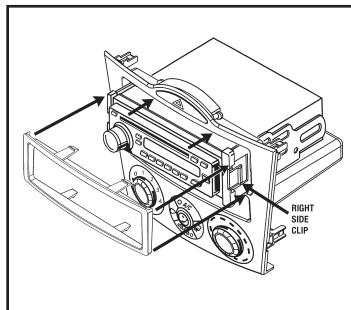
### ISO DIN radio provision with pocket

1. Remove the metal DIN sleeve and trim ring from the aftermarket radio.
2. Secure the *ISO DIN brackets* to the radio using the screws supplied with the radio. (Figure A)
3. Slide the radio into the *radio/climate control housing* until it snaps into place. (Figure B)
4. Snap the *ISO DIN trim plate* into the *radio/climate control housing*. (Figure B)

*Continue to Axxess Interface Installation*



(Figure A)



(Figure B)

## Axxess Interface Installation

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### INTERFACE FEATURES

- Provides NAV outputs (parking brake, reverse, speed sense)
- Can be used in both amplified and non-amplified models
- Retains balance and fade
- USB-CAB updatable (sold separately)

### INTERFACE COMPONENTS

- 7510 harness • OBDII harness with stripped leads
- Hazard switch extension cable • Climate control extension harnesses (2)

### TOOLS REQUIRED

- Wire Cutter • Crimp tool • Solder gun • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

## Connections to be made

### From the 7510 harness to the aftermarket radio:

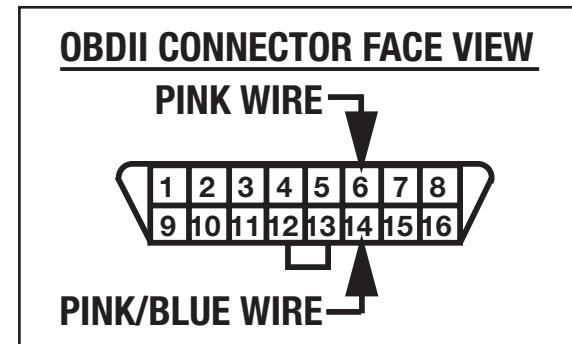
- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Red** wire to the accessory wire.
- Connect the **Blue** wire to the power antenna wire.
- If the vehicle is equipped with a factory amplifier, connect the **Blue/White** wire to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
- If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.
- Tape off and disregard the **Orange/White** wire, it will not be used in this application.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

*The following steps are only for multimedia/navigation radios that require these wires.*

- Connect the **Blue/Pink** wire to the VSS/speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire.

**Note:** *Not applicable on manual transmission vehicles.*

- Connect the **Light Green** wire to the parking brake wire.
- Connect the **ODBII harness with stripped leads**, to the 2-pin harness.
- Run the wires from **ODBII harness with stripped leads** to the ODBII connector in the vehicle, and then connect them as shown.



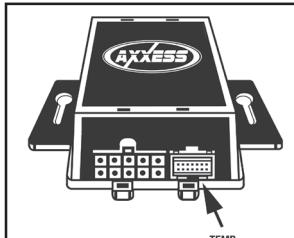
## Installing the interface

**Attention! Failure to insert the HVAC cables into the correct location will cause damage to the interface and make the display and HVAC controls not function properly.**

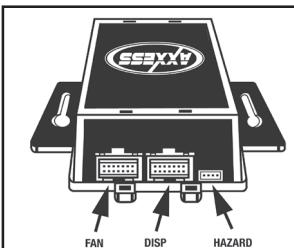
1. Attach the (2) *climate control extension harnesses* to the temperature control cable, and the fan control cable, on the factory climate control.
2. Plug the temperature control cable from the factory climate control into the port on the interface labeled "TEMP". (Figure A)
3. Plug the fan control cable from the factory climate control into the port on the interface labeled "FAN". (Figure B)
4. Plug the display harness removed in step 1 of kit preparation into the port on the interface labeled "DISP". (Figure B)
5. Plug the *hazard switch extension cable* to the factory hazard switch, and then into the port on the interface labeled "HAZARD". (Figure B)
6. Test all functions of the installation for proper operation, before reassembling the dash.

**Note:** If the vehicle is equipped with automatic climate controls, start the vehicle and hold the "AUTO" button for 10 seconds to program the climate controls.

7. Reassemble the dash in reverse order of disassembly



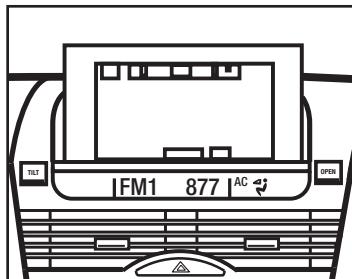
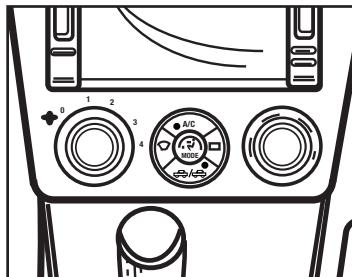
(Figure A)



(Figure B)

## Display Customization

1. Press and hold the **A/C Mode** button to scroll through the various kit options (**AMB TEMP ON or OFF, AMB TEMP C or F, SET TIME 12/24H, and SET TEXT**).
2. When you see the option you want just let the button go and the action on the screen will be performed. (ie: To turn the ambient temperature on you would scroll through until the display says "**AMB TEMP ON**" and let the button go.)
3. To set the time hold down the **A/C Mode** button until the display says "**SET TIME 12/24H**" then let the button go.
4. To switch between 12H and 24H press the **front defrost** button to the left of the **A/C Mode** button.



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## Display Customization (Cont)

5. To change the Hour press the **rear defrost** button to the right of the **A/C Mode** button.
6. To change the minute press the **A/C** button at the top of the **A/C Mode** button.
7. At any time if you do not press any buttons for 5-seconds the display will save and return to the default screen and the climate control buttons will return to their normal configuration.
8. If you hold the **A/C Mode** button down long enough the display will say "**SET TEXT**". This will allow you customize the default text on the display.
9. Once the display says "**SET TEXT**" let go and the first letter of the display will begin blinking.
10. Press the **front defrost** button to move the cursor left and the **rear defrost** button to move the cursor to the right.
11. You can scroll up with the **A/C** button and down with the **Recirc/Fresh** button through the various alpha, numeric, and symbol characters.
12. When you are finished entering your text if you do not press any buttons for 5-seconds the display will save and return to the default screen and the climate control buttons will return to their normal configuration.

### IMPORTANT

If you are having difficulties with the installation of this product, please call our Tech Support line at **1-800-253-TECH**. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.



### KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto [www.installerinstitute.com](http://www.installerinstitute.com) or call 800-354-6782 for more information and take steps toward a better tomorrow.



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