

## Installation instructions

# Mazda 6 2006-2008 FK-997

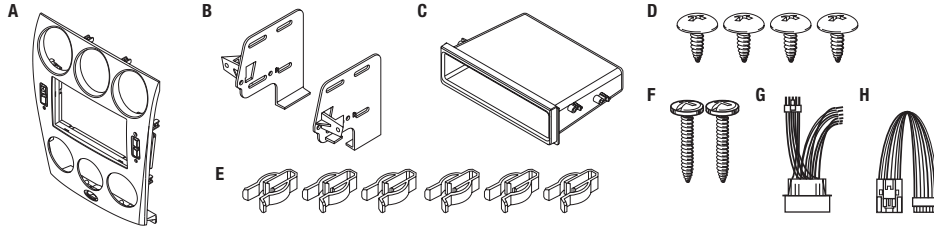
### KIT FEATURES

- ISO DIN radio provision with pocket
- ISO DDIN radio provision
- **Painted charcoal black**



### KIT COMPONENTS

- A) Radio/climate control panel • B) Radio brackets • C) Pocket • D) (4) #8 x 3/8" Phillips screws
- E) (6) Panel clips • F) (2) #8 x 1" Phillips screws • G) Harness • H) Manual climate harness



### WIRING & ANTENNA CONNECTIONS (sold separately)

Wiring Harness: • Included with kit

Antenna Adapter: • Not required

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### TOOLS REQUIRED

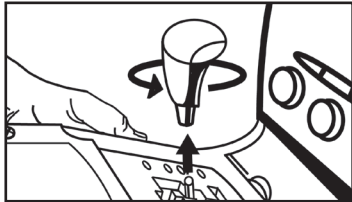
- Panel removal tool • Phillips screwdriver
- 10mm Socket wrench

**CAUTION!** disconnect the negative battery terminal before beginning any installation, unless the vehicle manufacturer recommends against so. Please check with your local Dealership for more information. All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before reconnecting the battery or cycling the ignition. Also, do not remove the factory radio with the key in the on position, or the vehicle running. It would be best to remove the key from the ignition and then wait a few seconds before removing the factory radio.

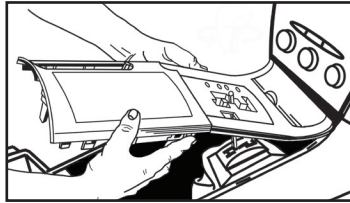
## Dash Disassembly

### Electronic climate control

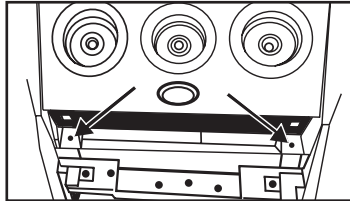
1. Unscrew the shift knob counter clockwise to remove. (Figure A)
2. Unclip and remove the cup holder/ parking brake cover and shifter cover as one radio. (Figure B)
3. Remove (2) Phillips screws from the bottom of the radio/climate control panel. (Figure C)
4. Open glove box, squeeze sides together and let open fully then remove (1) 10mm bolt from the side of the radio bracket. (Figure D)



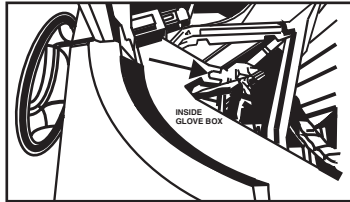
(Figure A)



(Figure B)

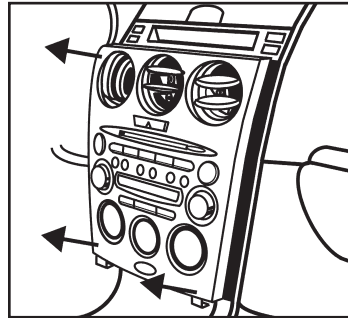


(Figure C)

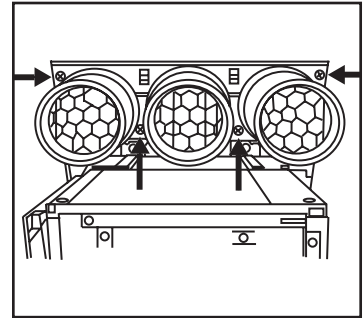


(Figure D)

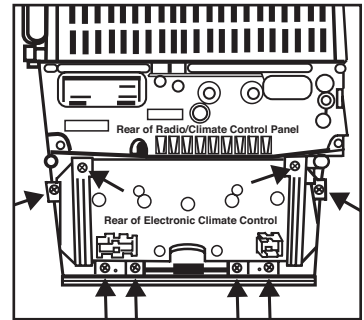
5. Unsnap and remove radio/climate control panel including climate control vents at the top. (Figure E)
  6. Remove (4) Phillips screws securing vents to radio/climate control panel to remove. (Figure F)
  7. Remove (8) Phillips screws securing the electronic climate control to the radio/climate control panel to remove. (Figure G)
- Continue to kit preparation*



(Figure E)



(Figure F)

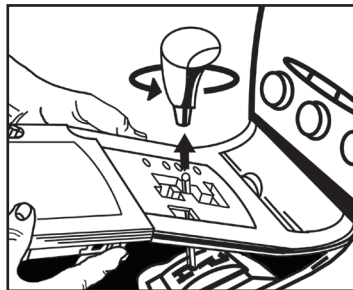


(Figure G)

## Dash Disassembly

### Manual climate control

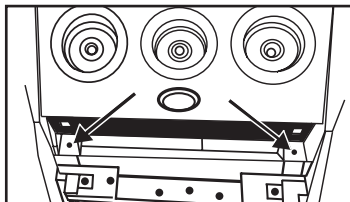
1. Unscrew the shift knob counter clockwise to remove. (Figure A)
2. Unclip and remove the cup holder/parking brake cover and shifter cover as one radio. (Figure B)
3. Remove (2) Phillips screws from the bottom of the radio/climate control panel. (Figure C)
4. Pull the climate control knobs off and remove (2) Phillips screws from behind knobs. (Figure D)



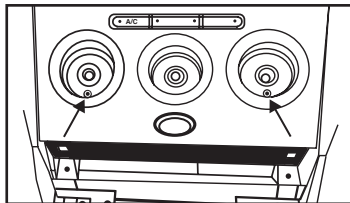
(Figure A)



(Figure B)



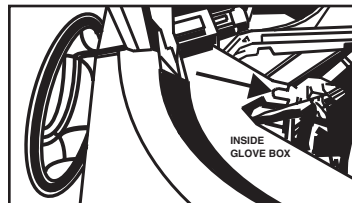
(Figure C)



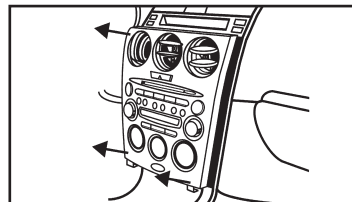
(Figure D)

5. Open glove box, squeeze sides together and let open fully then remove (1) 10mm bolt from the side of the radio bracket. (Figure E)
6. Unsnap and remove radio/climate control panel including climate control vents at the top. (Figure F)
7. Remove (4) Phillips screws securing vents to radio/climate control panel to remove. (Figure G)

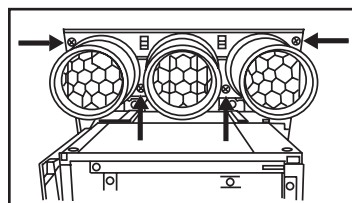
*Continue on the next page*



(Figure E)



(Figure F)

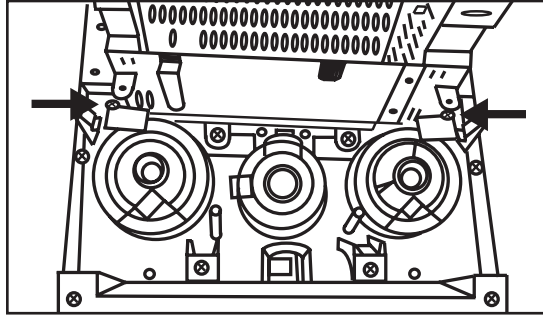


(Figure G)

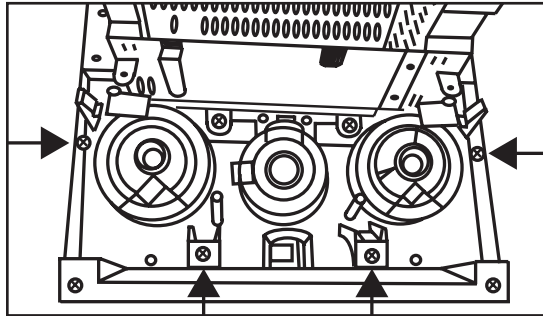
## Dash Disassembly

### Manual climate control (continued)

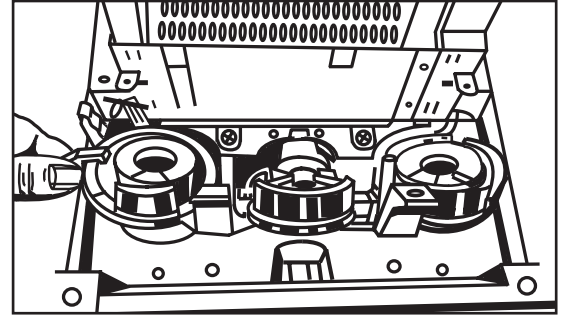
8. Remove the (2) small Phillips screws securing the light bulb boards on each side of the backlight dispersion bar.  
**Note:** Notice how they are positioned in the backlight dispersion bar as they will be placed in the FK-997 the same way. (Figure H)
9. Remove (4) Phillips screws securing backlight dispersion bar and knob trim bezels. (Figure I)
10. Push the bottom edges of the knob trim bezels from the front side to the back and slide both pieces out as one radio. (Figure J)  
*Continue to kit preparation*



(Figure H)



(Figure I)



(Figure J)

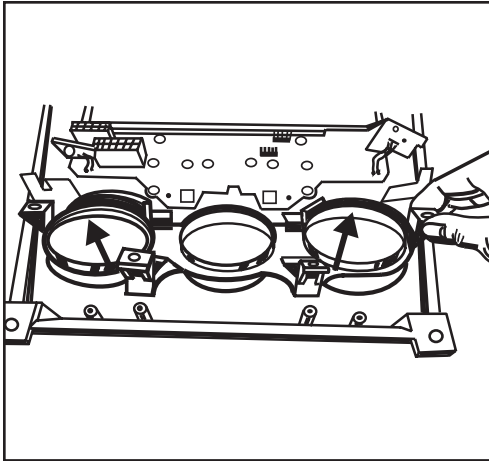
## Kit Preparation

### Electronic climate control

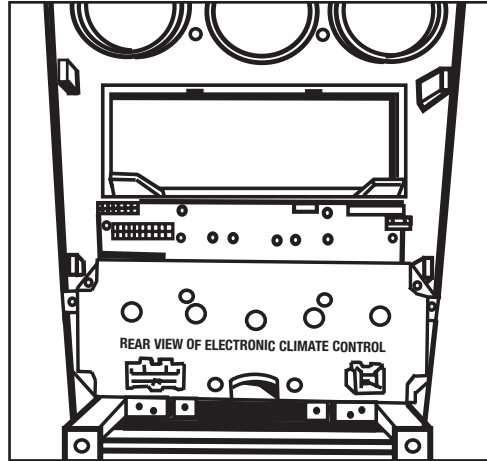
1. Clip the climate control knob outer trim ring panel into the fascia housing. (Figure A)
2. Align the screw holes in the climate control and the radio housing panel then push the climate control onto the radio housing panel. (Figure B)
3. Secure the climate control with the factory hardware removed in step 7 of the dash disassembly for electronic climate control cars.
4. Unclip and remove the small oval cover plate at the bottom center of the factory radio and insert into the radio housing. (Figure C)

5. Attach (6) *panel clips* supplied to the radio housing.

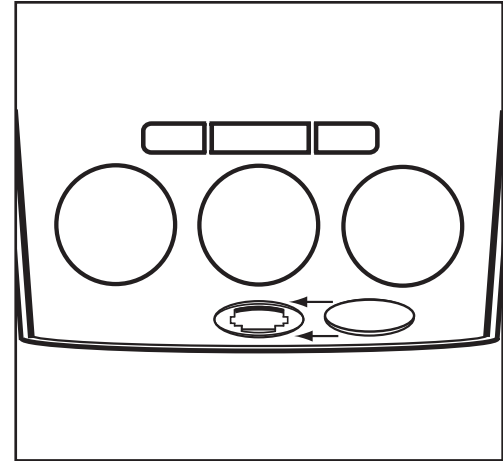
**Note:** The light bulb boards will not be used with auto climate control vehicles disregard these bulbs.



(Figure A)



(Figure B)



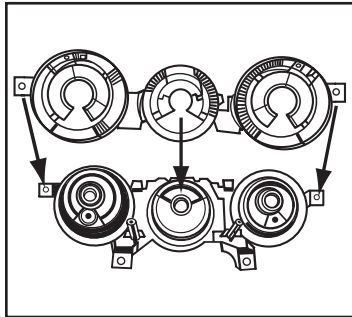
(Figure C)

## Kit Preparation

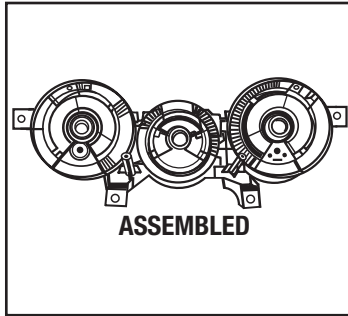
### Manual climate control

1. Put the climate control knob outer trim panel and the backlight dispersion bar together and clip into the radio housing panel as one radio.

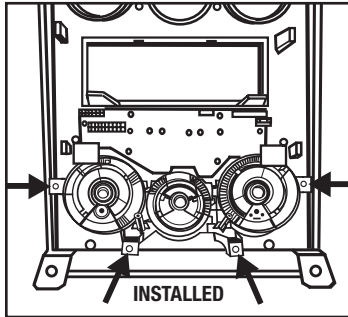
**Note:** You may have to push down slightly on the middle of the radio to ease in positioning it into the kit. (Figures A, B, C)



(Figure A)

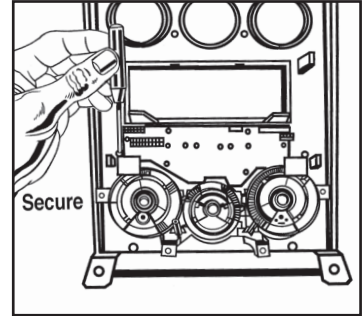


(Figure B)

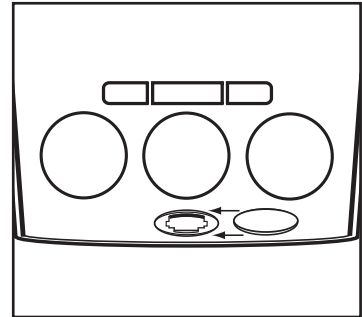


(Figure C)

2. Secure the radio with the factory hardware previously removed from the manual climate control dash disassembly. (Figure D)
3. Secure the light bulb boards on each side of the backlight dispersion bar using the factory hardware removed in step 8 in manual climate control dash disassembly. (Figure D)
4. Unclip and remove the small oval cover plate at the bottom center of the factory radio and insert into the radio housing. (Figure E)
5. Attach (6) panel clips supplied to the radio housing.



(Figure D)



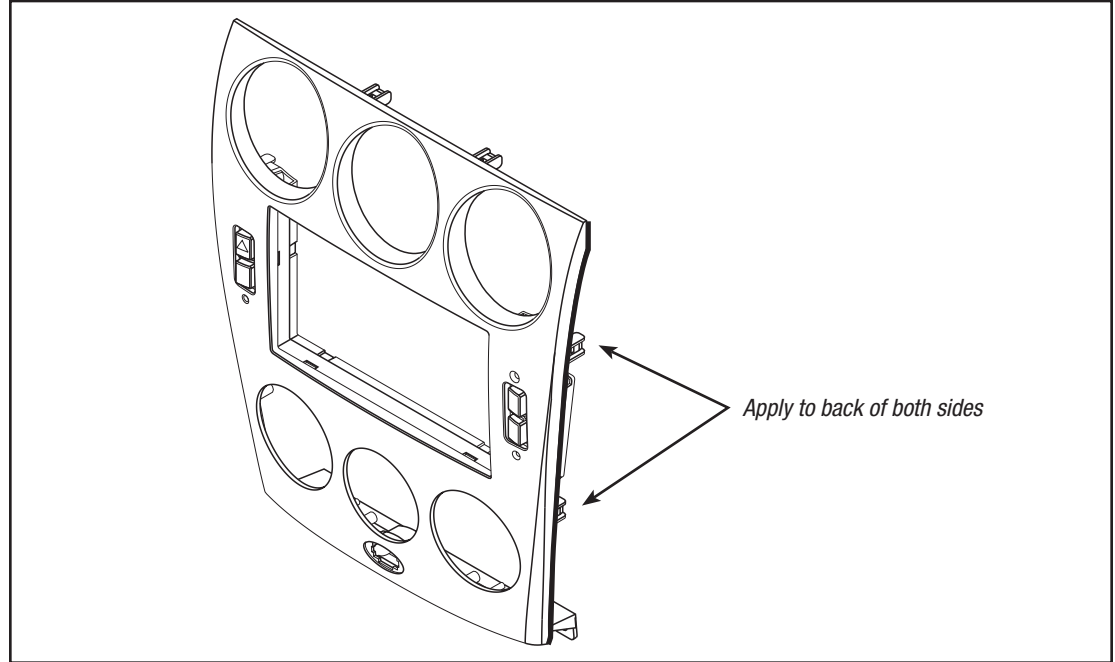
(Figure E)

## Kit Preparation

### Felt tape application

**Note:** Due to differences in factory tolerances you may need to apply the provided felt tape to the edge of the radio housing to relieve backlight bleed through.

1. Looking at edge of radio housing apply felt tape to inner edge (toward back of kit). If it is positioned to closely to the outer edge you may be able to see it once it is in the dash.  
(Figure A)



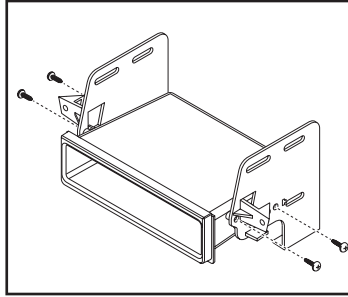
(Figure A)

## Kit Assembly

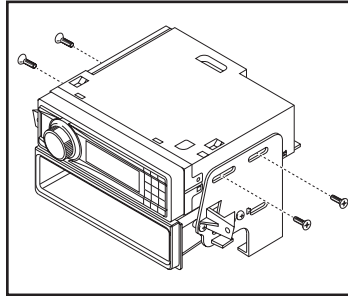
### ISO DIN radio provision with pocket

1. Mount the *pocket* to the *radio brackets* with (4) #8 x 3/8" Phillips screws supplied. (Figure A)
2. Remove the metal DIN sleeve and trim ring from the aftermarket radio.
3. Slide the radio into the bracket/pocket assembly, and then secure with the screws supplied with the radio. (Figure B)

*Continue to the Wiring Installation*



(Figure A)

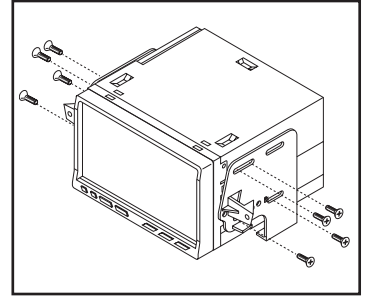


(Figure B)

### ISO DDIN radio provision

1. Attach the *radio brackets* to the radio using the screws supplied with the radio. (Figure A)

*Continue to the Wiring Installation*



(Figure A)



## Wiring Installation

### Connections to be made 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 **Orange** wire to the illumination wire. *If the aftermarket radio has no illumination wire, cap off the **Orange** wire.*
- Cap off and disregard the **Orange/White** wire, it will not be used in this application.
- Connect the **Blue** wire to the antenna turn on wire.
- Connect the **Blue/White** wire to the amp turn-on wire, if the vehicle is amplified.
- 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 **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right 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.
- 12-pin pre-wired ASWC-1 harness:

This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming.

**Note:** *Disregard the harness that comes with the ASWC-1.*

## Installing the 99-7524B

1. Connect the 8-pin connector supplied, into Location 1, on the back of the *radio/ climate-control housing*. (see Connection Legend)

**Note:** *If this connector is not plugged in, the kit will not operate.*

2. **For manual climate control vehicles only**, connect the 16-pin connector supplied, into Location 3, on the back of the *radio/climate-control housing*. (see Connection Legend)

3. Locate the factory wiring harness and antenna connector in the dash, and complete all necessary connections to the radio.

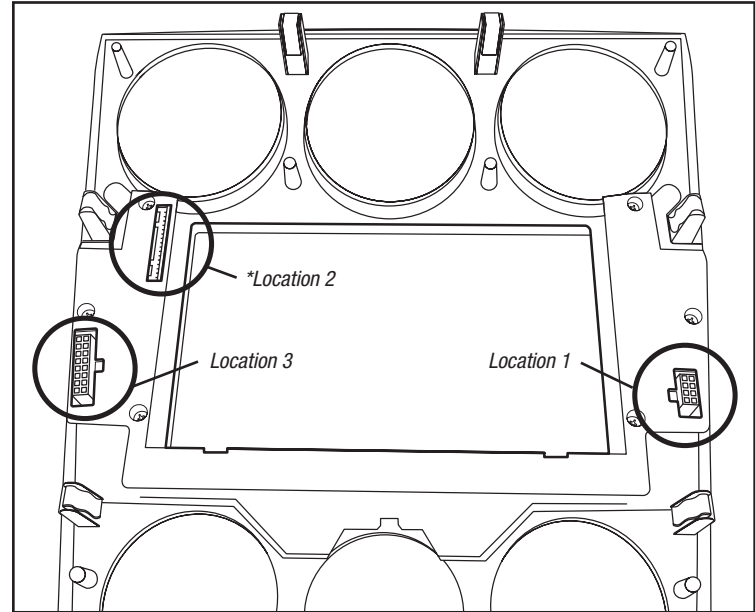
4. Mount the completed assembly into the dash, and then reassemble the dash in reverse order of disassembly, using the *radio/climate panel*.

**Note:** *There are no existing holes for mounting the radio. New holes will need to be made using (2) #8 x 1" Phillips screws supplied . The radio brackets will rest on a shelf in the sub-dash. Be sure the radio is level and centered while mounting the completed assembly into the dash opening.*

5. Start the car and test all the climate control functions.

**Note:** *The air recirculation light will be on at initial startup and will not go out until using the climate controls for the first time.*

### Connection Legend



(radio housing diagram)

**\*Note:** *Location 2 will not be used in this application.*

## Display Customization

1. Press and hold the **Clock** button in the factory display until “**Set Text**” is displayed then release button. Settings will begin with the first character location. Use the **Set** button to select the desired character then press the **AMB** button to select the next character location. There are 10 available character locations.
2. Once the desired text is entered if you do not touch any buttons for 10-seconds the display will read “**Saved Text**” and your text will be saved.
3. To set the clock press and hold the **Clock** button until “**Hr. Adjust**” is displayed then use the **Set** button to select the desired hour.
4. Press the **Clock** button again and the display will read “**Min. Adjust**” then use the **Set** button to select the desired minutes.

**Note:** If equipped with a Dimmer button it will still function as normal.

