Forward Sensing Camera*
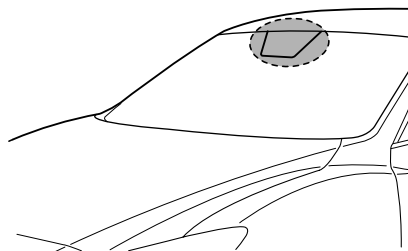
Your vehicle is equipped with a Forward Sensing Camera (FSC). The Forward Sensing Camera (FSC) is positioned near the rearview mirror and used by the following systems.

• High Beam Control System (HBC)
• Lane Departure Warning System (LDWS)

The Forward Sensing Camera (FSC) determines the conditions ahead of the vehicle while traveling at night and detects traffic lanes. The distance in which the Forward Sensing Camera (FSC) can detect objects varies depending on the surrounding conditions.

⚠ CAUTION

Heed the following cautions to assure the correct operation of the Forward Sensing Camera (FSC).

➢ *Do not remove the Forward Sensing Camera (FSC) cover.*
➢ *Do not place objects on the dashboard which reflect light.*
➢ *Do not apply accessories, stickers or film to the windshield near the Forward Sensing Camera (FSC). If there are objects in front of the Forward Sensing Camera (FSC) lens, even a transparent sticker, they will cause the system to not operate correctly.*
➢ *Always keep the windshield glass around the camera clean by removing dirt or fogging. Use the windshield defroster to remove fogging on the windshield.*
➢ *When cleaning the windshield, do not allow glass cleaners or similar cleaning agent to get on the Forward Sensing Camera (FSC) lens. In addition, do not touch the Forward Sensing Camera (FSC) lens.*
➢ *Consult an Authorized Mazda Dealer regarding cleaning the interior side of the windshield around the Forward Sensing Camera (FSC).*
➢ *Be careful not to scratch the Forward Sensing Camera (FSC) lens or allow it to get dirty. Also, do no take the camera apart. Otherwise, it could result in damage or malfunction.*
➢ *Consult an Authorized Mazda Dealer before performing repairs around the Forward Sensing Camera (FSC).*
➢ *The Forward Sensing Camera (FSC) is installed to the windshield. Consult an Authorized Mazda Dealer for windshield repair and replacement.*
➢ *When performing repairs around the rearview mirror, consult an Authorized Mazda Dealer.*
➢ *Consult an Authorized Mazda Dealer regarding cleaning of the Forward Sensing Camera (FSC) lens.*
➢ *Do not hit or apply strong force to the Forward Sensing Camera (FSC) or the area around it. If strong force is applied, stop using the Lane Departure Warning System (LDWS) and the High Beam Control System (HBC), and consult an Authorized Mazda Dealer.*
➢ *The direction in which the Forward Sensing Camera (FSC) is pointed has been finely adjusted. Do not change the installation position of the Forward Sensing Camera (FSC) or remove it. Otherwise, it could result in damage or malfunction.*

Brake System

▼Foot Brake

Your Mazda has power-assisted brakes that adjust automatically through normal use.

Should power-assist fail, you can stop by applying greater force than normal to the brake pedal. But the distance required to stop will be greater than usual.

⚠ WARNING

Do not coast with the engine stalled or turned off, find a safe place to stop:

Coasting with the engine stalled or turned off is dangerous. Braking will require more effort, and the brake's power-assist could be depleted if you pump the brake. This will cause longer stopping distances or even an accident.

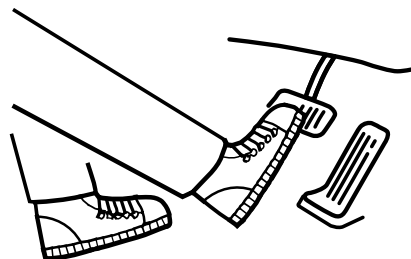**Shift to a lower gear when going down steep hills:**

Driving with your foot continuously on the brake pedal or steadily applying the brakes for long distances is dangerous. This causes overheated brakes, resulting in longer stopping distances or even total brake failure. This could cause loss of vehicle control and a serious accident. Avoid continuous application of the brakes.

Dry off brakes that have become wet by driving slowly, releasing the accelerator pedal and lightly applying the brakes several times until the brake performance returns to normal:

Driving with wet brakes is dangerous. Increased stopping distance or the vehicle pulling to one side when braking could result in a serious accident. Light braking will indicate whether the brakes have been affected.

⚠ CAUTION

➢ *Do not drive with your foot held on the clutch pedal or brake pedal, or hold the clutch pedal depressed halfway unnecessarily. Doing so could result in the following:*

  ➢ *The clutch and brake parts will wear out more quickly.*
  ➢ *The brakes can overheat and adversely affect brake performance.*

➢ *Always depress the brake pedal with the right foot. Applying the brakes with the unaccustomed left foot could slow your reaction time to an emergency situation resulting in insufficient braking operation.*

➢ *Wear shoes appropriate for driving in order to avoid your shoe contacting the brake pedal when depressing the accelerator pedal.*
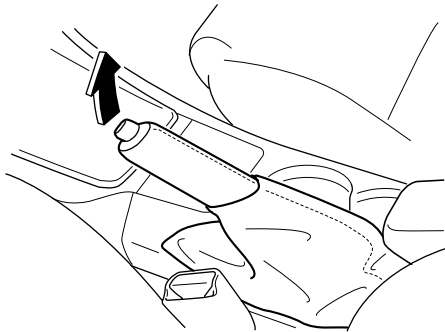
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▼**Parking Brake**

⚠ CAUTION

Driving with the parking brake on will cause excessive wear of the brake parts.

NOTE

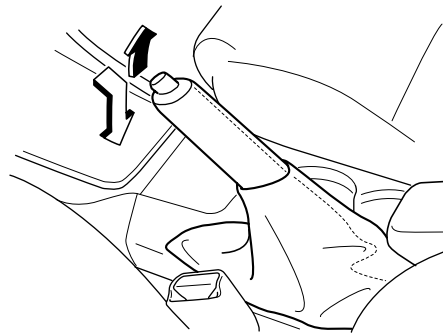*For parking in snow, refer to Winter Driving (page 3-48) regarding parking brake use.*

Setting the parking brake

Depress the brake pedal and then firmly pull the parking brake lever fully upwards with sufficient force to hold the vehicle in a stationary position.

Releasing the parking brake

Depress the brake pedal and pull the parking brake lever upwards, then press the release button. While holding the button, lower the parking brake lever all the way down to the released position.
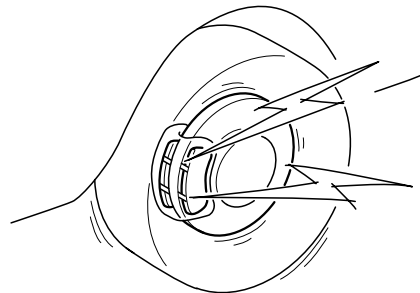
▼**Warning Light**

The warning light turns on when the system has a malfunction.
Refer to Warning Lights on page 4-21.

▼**Brake Pad Wear Indicator**

When the disc brake pads become worn, the built-in wear indicators contact the disc plates. This causes a screeching noise to warn that the pads should be replaced.

When you hear this noise, consult an Authorized Mazda Dealer as soon as possible.

⚠ WARNING

Do not drive with worn disc pads:
Driving with worn disc pads is dangerous. The brakes could fail and cause a serious accident. As soon as you hear a screeching noise consult an Authorized Mazda Dealer.

▼ Brake Assist

During emergency braking situations when it is necessary to depress the brake pedal with greater force, the brake assist system provides braking assistance, thus enhancing braking performance.

When the brake pedal is depressed hard or depressed more quickly, the brakes apply more firmly.

NOTE
- *When the brake pedal is depressed hard or depressed more quickly, the pedal will feel softer but the brakes will apply more firmly. This is a normal effect of the brake assist operation and does not indicate a malfunction.*
- *When the brake pedal is depressed hard or depressed more quickly, a motor/pump operation noise may be heard. This is a normal effect of the brake assist and does not indicate a malfunction.*
- *The brake assist equipment does not supersede the functionality of the vehicle's main braking system.*
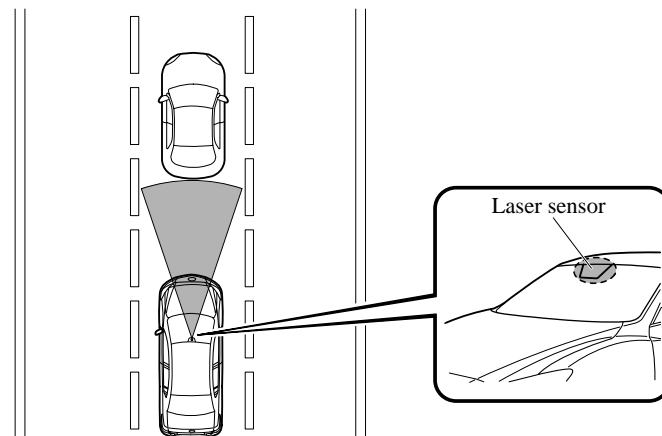
Smart City Brake Support (SCBS)*

The Smart City Brake Support (SCBS) system is designed to reduce damage in the event of a collision by operating the brake control (SCBS brake) when the system's laser sensor detects a vehicle ahead and determines that a collision with the vehicle ahead is unavoidable. It may also be possible to avoid a collision if the relative speed between your vehicle and the vehicle ahead is less than about 15 km/h (9.3 mph).

In addition, when the driver depresses the brake pedal while the system is in the operation range at about 4 to 30 km/h (2 to 18 mph), the brakes are applied firmly and quickly to assist. (Brake Assist (SCBS brake assist))

When the system operates, the user is notified by the flashing warning light and the Active Driving Display (ADD).

The indicator light turns on when the system has a malfunction.

Refer to Warning Lights on page 4-21.

Laser sensor

⚠ WARNING

Do not rely on the Smart City Brake Support System (SCBS) as a substitute for safe driving:

The Smart City Brake Support (SCBS) system cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), and driving on slippery roads such as wet, snowy, and icy roads (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

Do not rely completely on the Smart City Brake Support (SCBS) system:

> ➤ *The Smart City Brake Support (SCBS) system is only designed to reduce damage in the event of a collision. Over reliance on the system leading to the accelerator pedal or brake pedal being mistakenly operated could result in an accident.*
> ➤ *The Smart City Brake Support (SCBS) is a system which operates in response to a vehicle ahead. The system may not be able to detect or react to 2-wheeled vehicles or pedestrians.*
> ➤ *The laser sensor for the Smart City Brake Support (SCBS) system is installed near the rearview mirror. To assure the correct operation of the Smart City Brake Support (SCBS), heed the following cautions.*
>
> > ➤ *Do not apply stickers to the surface of the windshield near the laser sensor (including transparent stickers). Otherwise, the laser sensor may not be able to detect vehicles or obstructions ahead which could result in an accident.*
> > ➤ *Do not disassemble the laser sensor.*
> > ➤ *If cracks or damage caused by flying gravel or debris is visible near the laser sensor, stop using the Smart City Brake Support (SCBS) system immediately and have your vehicle inspected by an Authorized Mazda Dealer. If the vehicle continues to be driven with cracks or scratch marks left on the windshield near the laser sensor, the system may operate unnecessarily and cause an unexpected accident.*
> > *Refer to Stopping The Smart City Brake Support (SCBS) System Operation on page 4-71.*
> > ➤ *When replacing the windshield wipers or windshield, consult an Authorized Mazda Dealer.*

Do not modify the suspension:

> *If the vehicle height or inclination is changed, the system will not be able to correctly detect vehicles or obstructions ahead. This will result in the Smart City Brake Support (SCBS) system not operating normally or mistakenly operating, which could cause a serious accident.*

Turn off the Smart City Brake Support (SCBS) when the vehicle is running on a chassis roller or being towed:

> *Turn off the Smart City Brake Support (SCBS) system to prevent mistaken operation when the vehicle is running on a chassis roller or being towed. See the next page on how to turn off the Smart City Brake Support (SCBS).*
> *Refer to Deactivating The Smart City Brake Support (SCBS) System Operation on page 4-71.*

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⚠ CAUTION

➤ When driving off-road in areas where there is grass or forage, it is recommended that the Smart City Brake Support (SCBS) system be turned off.

➤ Always use tires for all wheels that are of the specified size, and the same manufacture, brand, and tread pattern. In addition, do not use tires with significantly different wear patterns on the same vehicle. Do not use tires with significantly different wear patterns on the same vehicle as the Smart City Brake Support (SCBS) system may not operate normally.

➤ The laser sensor includes a function for detecting a soiled windshield and informing the driver, however, depending on the conditions, it may not detect plastic shopping bags, ice or snow on the windshield. In such cases, the system cannot accurately determine a vehicle or obstruction ahead and may not be able to operate normally. Always drive carefully and pay attention to the road ahead.

NOTE

- The Smart City Brake Support (SCBS) system will operate under the following conditions.

  - The engine is running.
  - The display in the instrument cluster does not indicate that the system requires inspection or it cannot be used.
  - The vehicle speed is between about 4 to 30 km/h (2 to 18 mph).
  - The Smart City Brake Support (SCBS) system is not turned off.
  - The DSC operation is not turned off using the DSC OFF switch.
  - The DSC is not malfunctioning.
  - The driver is not deliberately performing driving operations (accelerator pedal, steering wheel, and braking operations).

- The Smart City Brake Support (SCBS) detects a vehicle ahead by emitting a near-infrared laser beam and receiving the beam reflected off the reflector of the vehicle ahead, and then using it for the measurement. Consequently, the Smart City Brake Support (SCBS) may not operate under the following conditions:

  - Reflection of the laser is poor due to the shape of the vehicle ahead.
  - The vehicle ahead is significantly dirty.
  - Under bad weather condition, such as rain, fog and snow.
  - The window washer is being used or the windshield wipers are not used when it's raining.
  - The windshield is dirty.
  - The steering wheel is turned completely left or right, or the vehicle is accelerated rapidly and comes close to the vehicle ahead.
  - Trucks with low loading platforms, vehicles traveling at extremely low speeds, and vehicles with a high profile.
  - Vehicles with certain shapes such as a vehicle carrier.

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- *Under the following conditions, the Smart City Brake Support (SCBS) system may not operate normally.*

  - *Heavy luggage is loaded in the luggage compartment or on the rear seat.*
  - *When there is the possibility of partial contact with a vehicle or obstruction ahead.*
  - *When driving on continuously curving roads, entering and exiting curves, and unstable driving due to a vehicle accident or breakdown in a driving lane.*
  - *Elongated luggage or cargo is loaded onto installed roof rails and covers the laser sensor.*
  - *Exhaust gas from the vehicle in front, sand, snow, and water vapor rising from manholes and grating, and water splashed into the air.*
  - *When towing a malfunctioning vehicle.*

- *In the following cases, the laser sensor may inadvertently determine that there is a vehicle ahead and the Smart City Brake Support (SCBS) system may operate.*

  - *Objects on the road at the entrance to a curve.*
  - *Vehicles passing in the opposite lane while making a curve.*
  - *Metal objects, bumps, or protruding objects on the road.*
  - *When passing through a toll gate.*
  - *When passing under a vinyl curtain or flag.*
  - *Plastic objects such as pylons.*
  - *Two-wheeled vehicles, pedestrians, animals or standing trees.*

- *If the vehicle is driven with some of the tires having significant wear, the system may not operate correctly. If the tires are returned to a normal state and the master warning light still illuminates, have your vehicle inspected by an Authorized Mazda Dealer.*

▼**Laser Sensor Handling**

The Smart City Brake Support (SCBS) laser sensor is installed at the top of the windshield near the rearview mirror.

Always keep the surface of the windshield around the laser sensor clean to assure proper operation of the Smart City Brake Support (SCBS) system.

⚠ **WARNING**

As there is the possibility of eye damage occurring from the laser, always heed the following precautions:

➢ *Never remove the sensor.*
➢ *A removed sensor will not meet the conditions for a class 1M laser under the IEC 60825-1 specification and therefore eye safety cannot be assured.*
➢ *Do not peer into the sensor using optical instruments with a magnification function such as magnifying glasses, and microscopic and objective lenses within a distance of 100 mm (3.94 in) from the sensor.*

Laser classification label:

```
INVISIBLE LASER RADIATION
DO NOT VIEW DIRECTLY WITH
OPTICAL INSTRUMENTS (MAGNIFIERS)
CLASS 1M LASER PRODUCT
```

Laser explanatory label:

```
Max average power:   45 mW
Pulse duration:       33 ns
Wavelength:          905 nm

IEC 60825-1:2007
Complies with FDA performance standards for laser products
except for deviations pursuant to Laser Notice No. 50, dated
July 26th, 2001
```

Laser sensor radiation data
Maximum average power: 45 mW
Pulse duration: 33 ns
Wavelength: 905 nm
Divergence angle (horizontal×vertical): 28 degrees×12 degrees

▼**Smart City Brake Support (SCBS) Warning Light (Red)**

If the Smart City Brake Support (SCBS) is operating, the indicator light flashes.

▼**Deactivating The Smart City Brake Support (SCBS) System Operation**

The Smart City Brake Support (SCBS) system can be deactivated.
Refer to Personalization Features on page 9-10.
When the Smart City Brake Support (SCBS) system is turned off, the Smart City Brake Support (SCBS) OFF indicator light turns on.

NOTE
When the DSC OFF switch is pressed to stop the DSC operation, the Smart City Brake Support (SCBS) system operation also stops and the Smart City Brake Support (SCBS) OFF indicator light turns on.

Hill Launch Assist (HLA)

Hill Launch Assist (HLA) is a function which assists the driver in accelerating from a stop while on a slope. When the driver releases the brake pedal and depresses the accelerator pedal while on a slope, the function prevents the vehicle from rolling. The braking force is maintained automatically after the brake pedal is released on a steep grade.
For vehicles with a manual transaxle, Hill Launch Assist (HLA) operates on a downward slope when the shift lever is in the reverse (R) position, and on an upward slope when the shift lever is in a position other than the reverse (R) position.
For vehicles with an automatic transaxle, Hill Launch Assist (HLA) operates on a downward slope when the shift lever is in the reverse (R) position, and on an upward slope when the shift lever is in a forward gear.

4-71

⚠ WARNING

Do not rely completely on Hill Launch Assist (HLA):

Hill Launch Assist (HLA) is an auxiliary device for accelerating from a stop on a slope. The system only operates for about two seconds and therefore, relying only on the system, when accelerating from a stop is dangerous because the vehicle may move (roll) unexpectedly and cause an accident. The vehicle could roll depending on the vehicle's load or if it is towing something. In addition, for vehicles with a manual transaxle, the vehicle could still roll depending on how the clutch pedal or the accelerator pedal is operated.

Always confirm the safety around the vehicle before starting to drive the vehicle.

NOTE

- *Hill Launch Assist (HLA) does not operate on a gentle slope. In addition, the gradient of the slope on which the system will operate changes depending on the vehicle's load.*
- *Hill Launch Assist (HLA) does not operate if the parking brake is applied, the vehicle has not stopped completely, or the clutch pedal is released.*
- *While Hill Launch Assist (HLA) is operating, the brake pedal may feel stiff and vibrate, however, this does not indicate a malfunction.*
- *Hill Launch Assist (HLA) does not operate while the TCS/DSC indicator light is illuminated.*
  Refer to Warning/Indicator Lights on page 4-20.
- *Hill Launch Assist (HLA) does not turn off even if the DSC OFF switch is pressed to turn off the TCS/DSC.*

Antilock Brake System (ABS)

The ABS control unit continuously monitors the speed of each wheel. If one wheel is about to lock up, the ABS responds by automatically releasing and reapplying that wheel's brake.

The driver will feel a slight vibration in the brake pedal and may hear a chattering noise from the brake system. This is normal ABS system operation. Continue to depress the brake pedal without pumping the brakes.

The warning light turns on when the system has a malfunction.

⚠ WARNING

Do not rely on ABS as a substitute for safe driving:

The ABS cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), driving on ice and snow, and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

NOTE

- *Braking distances may be longer on loose surfaces (snow or gravel, for example) which usually have a hard foundation. A vehicle with a normal braking system may require less distance to stop under these conditions because the tires will build up a wedge of surface layer when the wheels skid.*
- *The sound of the ABS operating may be heard when starting the engine or immediately after starting the vehicle, however, it does not indicate a malfunction.*

4-73

Traction Control System (TCS)

The Traction Control System (TCS) enhances traction and safety by controlling engine torque and braking. When the TCS detects driving wheel slippage, it lowers engine torque and operates the brakes to prevent loss of traction.

This means that on a slick surface, the engine adjusts automatically to provide optimum power to the drive wheels, limiting wheel spin and loss of traction.

The warning light turns on when the system has a malfunction.
Refer to Warning Lights on page 4-21.

⚠ WARNING

Do not rely on the Traction Control System (TCS) as a substitute for safe driving:

> *The Traction Control System (TCS) cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.*

Use snow tires or tire chains and drive at reduced speeds when roads are covered with ice and/or snow:

> *Driving without proper traction devices on snow and/or ice-covered roads is dangerous. The Traction Control System (TCS) alone cannot provide adequate traction and you could still have an accident.*

NOTE

To turn off the TCS, press the DSC OFF switch (page 4-76).

▼ TCS/DSC Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON. If the TCS or DSC is operating, the indicator light flashes.

If the light stays on, the TCS, DSC or the brake assist system may have a malfunction and they may not operate correctly. Take your vehicle to an Authorized Mazda Dealer.

NOTE

- *In addition to the indicator light flashing, a slight lugging sound will come from the engine. This indicates that the TCS/DSC is operating properly.*
- *On slippery surfaces, such as fresh snow, it will be impossible to achieve high rpm when the TCS is on.*

4-74

Dynamic Stability Control (DSC)

The Dynamic Stability Control (DSC) automatically controls braking and engine torque in conjunction with systems such as ABS and TCS to help control side slip when driving on slippery surfaces, or during sudden or evasive maneuvering, enhancing vehicle safety.

Refer to ABS (page 4-73) and TCS (page 4-74).

DSC operation is possible at speeds greater than 20 km/h (12 mph).

The warning light turns on when the system has a malfunction.
Refer to Warning Lights on page 4-21.

⚠ WARNING

Do not rely on the Dynamic Stability Control as a substitute for safe driving:

The Dynamic Stability Control (DSC) cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

⚠ CAUTION

➢ *The DSC may not operate correctly unless the following are observed:*

➢ *Use tires of the correct size specified for your Mazda on all four wheels.*
➢ *Use tires of the same manufacturer, brand and tread pattern on all four wheels.*
➢ *Do not mix worn tires.*

➢ *The DSC may not operate correctly when tire chains are used or a temporary spare tire is installed because the tire diameter changes.*

▼ TCS/DSC Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON. If the TCS or DSC is operating, the indicator light flashes.

If the light stays on, the TCS, DSC or the brake assist system may have a malfunction and they may not operate correctly. Take your vehicle to an Authorized Mazda Dealer.

▼DSC OFF Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON. It also illuminates when the DSC OFF switch is pressed and TCS/DSC is switched off.
Refer to DSC OFF Switch on page 4-76
If the light remains illuminated and the TCS/DSC is not switched off, take your vehicle to an Authorized Mazda Dealer. The DSC may have a malfunction.

▼DSC OFF Switch

Press the DSC OFF switch to turn off the TCS/DSC. The DSC OFF indicator light in the instrument cluster will illuminate.

Press the switch again to turn the TCS/ DSC back on. The DSC OFF indicator light will turn off.

NOTE

- *When DSC is on and you attempt to free the vehicle when it is stuck, or drive it out of freshly fallen snow, the TCS (part of the DSC system) will activate. Depressing the accelerator will not increase engine power and freeing the vehicle may be difficult. When this happens, turn off the TCS/ DSC.*
- *If the TCS/DSC is off when the engine is turned off, it automatically activates when the ignition is switched ON.*
- *Leaving the TCS/DSC on will provide the best traction.*
- *If the DSC OFF switch is pressed and held for 10 seconds or more, the DSC OFF switch malfunction detection function operates and the DSC system activates automatically. The DSC OFF indicator light turns off while the DSC system is operative.*

4-76

i-ELOOP*

On conventional vehicles, the kinetic energy that is generated when the vehicle is decelerated by applying the brakes or during engine braking ends up being discarded as heat. By utilizing this discarded kinetic energy to generate electricity and use it to power the vehicle's electrical devices and accessories such as the A/C and audio, fuel consumption can be reduced. Mazda's system for generating electricity from this kinetic energy is called the Regenerative Braking System (i-ELOOP).

A capacitor is incorporated as the device for storing the generated electricity, which can store and use large amounts of electricity instantly.

Variable Voltage alternator

DC-DC Converter

Capacitor

⚠ CAUTION

High-current electricity flows through the following areas, therefore do not touch them.

➢ *Variable Voltage alternator*
➢ *DC-DC converter*
➢ *Capacitor*

NOTE

- *When installing high power consumption devices such high-output speakers, consult an Authorized Mazda Dealer.*
- *A difference in the fuel economy may occur depending on use conditions such as with the A/C and headlights.*
- *If the capacitor is to be disposed of, always consult an Authorized Mazda Dealer. For details, go to the following URL.*
  http://www.mazda.com/csr/environment/recycling

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▼ i-ELOOP Indicator Light/Control Status Display

The driver is notified of the i-ELOOP power generating status and the vehicle conditions by the i-ELOOP indicator light and the control status display.

i-ELOOP Indicator Light

i-ELOOP

Illuminated (vehicle without Type B audio)

The light turns on during power generation.

Flashing

If the engine is started after the vehicle has not been driven for a long period of time, the i-ELOOP indicator light may flash. Leave the engine idling and wait until the indicator light turns off.

NOTE

- *The beep will sound if the vehicle is driven while the i-ELOOP indicator light is flashing. In addition, if you turn the steering wheel while the light is flashing, it will feel heavier than normal, but this does not indicate an abnormality. Stop the vehicle in a safe location with the engine running and do not attempt to turn the steering wheel. The steering operation will return to normal after the i-ELOOP indicator light stops flashing.*

- *(Vehicles with Type B Audio)*
  A notification is displayed in the audio display and the i-ELOOP indicator light flashes at the same time. Refer to Warning Message Indicated on Display on page 7-33.

Control status display (vehicles with Type B audio)

The i-ELOOP power generating status is displayed in the audio display.
Refer to Control Status Display on page 4-81.

Fuel Economy Monitor*

For vehicles with Type B audio, the Control Status and Fuel Consumption are switched and displayed by operating each icon in the display.
In addition, after completing a trip, the actual performance for the total energy efficiency is displayed.

1. Select the (⊡) icon on the home screen to display the Applications screen.
2. Select the Fuel Economy Monitor.
3. Operate the commander switch or touch the screen and display the menu.

NOTE

When the menu is displayed by touching the screen, the display is hidden automatically after 6 seconds.

4. Select the icon in the menu and perform the operation. Each icon operates as follows:

Indication on display	Control status
Fuel Economy Monitor 10:20 Fuel Economy (This Drive) Average Fuel Economy History Average (This Drive) **12.5**mpg ① ② ③ ④ ⑤	① Hides the menu display.
	② Displays the Application screen.
	③ Switches the Fuel Economy Monitor in the order of Control Status and Fuel Consumption.
	④ Resets the fuel economy data.
	⑤ Displays the following SETTING screen. •Ending screen on/off switching •On/off switching for function which synchronizes reset fuel economy data to trip meter (Trip A)

▼Fuel Consumption Display

The information regarding the fuel economy is displayed.

Indication on display	Control status
Fuel Economy Monitor 10:20 ① Fuel Economy (This Drive) ② Average Fuel Economy History ③ Average (This Drive) **12.5**mpg	① Displays the fuel economy for the past 60 minutes. •Displays the fuel economy every minute for the past 1 to 10 minutes. •Displays the fuel economy every 10 minutes for the past 10 to 60 minutes.
	② Displays the average fuel economy over the past 5 resets and after the current reset.
	③ Calculates and displays the average fuel economy every minute based on the past data.

NOTE
- *The fuel economy data can be reset by pressing the reset switch from the menu screen. If the fuel economy data is reset using the fuel economy monitor or Trip A is reset using the trip meter when the function which synchronizes the fuel economy monitor and the trip meter is on, the fuel economy data and Trip A are reset simultaneously.*
- *After resetting the fuel economy data, "-- -" is displayed while the average fuel economy is calculated.*

▼ Control Status Display

The power generating status is displayed

Indication on display	Control status
Fuel Economy Monitor 10:20 / *i-ELOOP* ② ① / ⚒ Average (Since Reset) **24.2** mpg	① Displays the level of electricity generated by regenerative braking. ② Displays the amount of the electricity stored in the capacitor.
Fuel Economy Monitor 10:20 / *i-ELOOP* ③ / ⚒ ④ Average (Since Reset) **24.2** mpg	③ Displays the status of the electricity stored in the capacitor and being supplied to the electrical devices (whole vehicle in display is illuminated simultaneously). ④Displays the accumulated fuel economy.

▼ Ending Screen Display

When the ignition is switched off from ON after completing a trip, the actual performance for the total fuel economy efficiency is displayed for 5 seconds.

Power Steering

- Power steering is only operable when the engine is running. If the engine is off or if the power steering system is inoperable, you can still steer, but it requires more physical effort.
- If the steering feels stiffer than usual during normal driving or the steering vibrates, consult an Authorized Mazda Dealer.
- Notification of a system malfunction or the operation conditions is made using the warning light and buzzer.
Refer to Warning Lights on page 4-21.
Refer to Power Steering Warning Buzzer on page 7-38.

⚠ CAUTION

Never hold the steering wheel to the extreme left or right for more than 5 seconds with the engine running. This could damage the power steering system.

Cruise Control[*]

With cruise control, you can set and automatically maintain any speed of more than about 25 km/h (16 mph).

⚠ WARNING

Do not use the cruise control under the following conditions:
Using the cruise control under the following conditions is dangerous and could result in loss of vehicle control.

- ➢ *Hilly terrain*
- ➢ *Steep inclines*
- ➢ *Heavy or unsteady traffic*
- ➢ *Slippery or winding roads*
- ➢ *Similar restrictions that require inconsistent speed*

▼ Cruise Control Switch

CANCEL switch

CANCEL RES — RES switch

ON switch — ON

OFF switch — OFF

+ SET − — Cruise control SET+/SET- switch

▼ **Cruise Main Indicator Light (Amber)/Cruise Set Indicator Light (Green)**

The indicator light has two colors.

Cruise Main Indicator Light (Amber)

The indicator light illuminates amber when the ON switch is pressed and the cruise control system is activated.

Cruise Set Indicator Light (Green)

The indicator light illuminates green when a cruising speed has been set.

▼ **Activation/Deactivation**

To activate the system, press the ON switch. The cruise main indicator light (Amber) illuminates.
To deactivate the system, press the OFF switch.
The cruise main indicator light (Amber) turns off.

⚠ WARNING

Always turn off the cruise control system when it is not in use:

Leaving the cruise control system in an activation-ready state while the cruise control is not in use is dangerous as the cruise control could unexpectedly activate if the activation button is accidentally pressed, and result in loss of vehicle control and an accident.

▼ **To Set Speed**

1. Activate the cruise control system by pressing the ON switch. The cruise main indicator light (Amber) illuminates.
2. Accelerate to the desired speed, which must be more than 25 km/h (16 mph).
3. Set the cruise control by pressing the SET **+** or SET **−** switch at the desired speed. The cruise control is set at the moment the SET **+** or SET **−** switch is pressed. Release the accelerator pedal simultaneously. The cruise set indicator light (Green) illuminates.

NOTE

- *Release the SET + or SET − switch at the desired speed, otherwise the speed will continue increasing while the SET + switch is pressed and held, and continue decreasing while the SET − switch is pressed and held (except when the accelerator pedal is depressed).*
- *On a steep grade, the vehicle may momentarily slow down while ascending, or speed up while descending.*
- *Cruise control will cancel if the vehicle speed decreases below 21 km/h (13 mph) when cruise is activated, such as when climbing a steep grade.*
- *Cruise control may cancel at about 15 km/h (9 mph) below the preset speed (such as may happen when climbing a long, steep grade).*

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▼ To Increase Cruising Speed

Follow either of these procedures.

To increase speed using cruise control switch

Press the SET + switch and hold it. Your vehicle will accelerate. Release the switch at the speed you want.

Press the SET + switch and release it immediately to adjust the preset speed. Multiple operations will increase the preset speed according to the number of times it is operated.

Increasing speed with a single SET + switch operation

Meter display for vehicle speed indicated in km/h: 1 km/h (0.6 mph)
Meter display for vehicle speed indicated in mph: 1 mph (1.6 km/h)

To increase speed using accelerator pedal

Depress the accelerator pedal to accelerate to the desired speed. Press the SET + or SET − switch and release it immediately.

NOTE

Accelerate if you want to speed up temporarily when the cruise control is on. Greater speed will not interfere with or change the set speed. Take your foot off the accelerator to return to the set speed.

▼ To Decrease Cruising Speed

Press the SET − switch and hold it. The vehicle will gradually slow.
Release the switch at the speed you want.

Press the SET − switch and release it immediately to adjust the preset speed. Multiple operations will decrease the preset speed according to the number of times it is operated.

Decreasing speed with a single SET − switch operation

Meter display for vehicle speed indicated in km/h: 1 km/h (0.6 mph)
Meter display for vehicle speed indicated in mph: 1 mph (1.6 km/h)

▼ To Resume Cruising Speed at More Than 25 km/h (16 mph)

If some other method besides the OFF switch was used to cancel cruising speed (such as applying the brake pedal) and the system is still activated, the most recent set speed will automatically resume when the RES switch is pressed.
If vehicle speed is below 25 km/h (16 mph), increase the vehicle speed up to 25 km/h (16 mph) or more and press the RES switch.

▼ To Temporarily Cancel

To temporarily cancel the system, use one of these methods:

- Slightly depress the brake pedal.
- Depress the clutch pedal (Manual transaxle only).
- Press the CANCEL switch.

If the RESUME switch is pressed when the vehicle speed is 25 km/h (16 mph) or higher, the system reverts to the previously set speed.

4-85

▼**To Deactivate**

To deactivate the system, press the OFF switch.

4-86

Tire Pressure Monitoring System*

The Tire Pressure Monitoring System (TPMS) monitors the air pressure of all four tires. If the air pressure of one or more tires is too low, the system warns the driver by indicating the tire pressure monitoring system warning light in the instrument cluster and operating a beep sound. The system monitors the tire pressures indirectly using the data sent from the ABS wheel speed sensors.

To allow the system to operate correctly, the system needs to be initialized with the specified tire pressure (value on the tire pressure label). Follow the procedure and perform the initialization.

Refer to Tire Pressure Monitoring System Initialization on page 4-90.

The warning light flashes when the system has a malfunction.

Refer to Warning Lights on page 4-21.

ABS wheel speed sensor

⚠ CAUTION

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly.

The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

To avoid false readings, the system samples for a little while before indicating a problem. As a result it will not instantaneously register a rapid tire deflation or blow out.

NOTE

Because this system detects slight changes in tire conditions, the timing of the warning may be faster or slower in the following cases:

- *The size, manufacturer, or the type of tires is different from the specification.*
- *The size, manufacturer, or the type of a tire is different from the others, or the level of tire wear is excessively different between them.*
- *A run-flat tire, studless tire, snow tire, or tire chains are used.*
- *An emergency tire is used (The tire pressure monitoring system warning light may flash and then continue illuminating).*
- *A tire is repaired using the emergency flat tire repair kit.*
- *The tire pressure is excessively higher than the specified pressure, or the tire pressure is suddenly lowered for some reason such as a tire burst during driving.*
- *The vehicle speed is lower than about 15 km/h (9.3 mph) (including when the vehicle is stopped), or the drive period is shorter than 5 minutes.*
- *The vehicle is driven on an extremely rough road or a slippery, icy road.*
- *Hard steering and rapid acceleration/deceleration are repeated such as during aggressive driving on a winding road.*
- *Load on the vehicle is applied to a tire such as by loading heavy luggage to one side of the vehicle.*
- *System initialization has not been implemented with the specified tire pressure.*

▼ Tire Pressure Monitoring System Initialization

In the following cases, system initialization must be performed so that the system operates normally.

- A tire pressure is adjusted.
- Tire rotation is performed.
- A tire or wheel is replaced.
- The battery is replaced or completely drained.
- The tire pressure monitoring system warning light is illuminated.

Initialization method

1. Park the car in a safe place and firmly apply the parking brake.
2. Let the tires cool, then adjust the tire pressure of all four (4) tires to the specified pressure indicated on the tire pressure label located on the door jamb of the driver's door (door open). Refer to Tires on page 9-9.
3. Switch the ignition ON.
4. While the vehicle is parked, press and hold the tire pressure monitoring system set switch and verify that the tire pressure monitoring system warning light in the instrument cluster flashes twice and a beep sound is heard once.

⚠ CAUTION

If the system initialization is performed without adjusting the tire pressure, the system cannot detect the normal tire pressure and it may not illuminate the tire pressure monitoring system warning light even if a tire pressure is low, or it may illuminate the light even if the pressures are normal.
The system initialization will not be performed if the switch is pressed while the vehicle is being driven.

Blind Spot Monitoring (BSM) System[*]

The Blind Spot Monitoring (BSM) system is designed to assist the driver by monitoring blind spots on both sides of the vehicle to the rear in certain situations such as when changing lanes on roads and freeways or reversing the vehicle from a parking garage.

The Blind Spot Monitoring (BSM) System consists of the Blind Spot Monitoring (BSM) and Rear Cross Traffic Alert (RCTA).

⚠ WARNING

Do not rely completely on the Blind Spot Monitoring (BSM) system and be sure to look over your shoulder before changing lanes or reversing the vehicle from a parking garage:

The Blind Spot Monitoring (BSM) system can assist the driver in confirming the safety of the surroundings but is not a complete substitute. The driver is responsible for assuring lane changes and other maneuvers. Always pay attention to the direction in which the vehicle is traveling and the vehicle's surroundings.

NOTE

- *The detectability of the radar sensors has its limitations. The Blind Spot Monitoring (BSM) System may not operate properly under the following conditions:*

  - *Ice, snow, or soil adheres to the rear bumper surface around the radar sensors.*
  - *During adverse weather conditions such as rain or snow, or under conditions where water is sprayed.*
  - *The rear bumper area around the radar sensors is blocked by foreign material (such as stickers or a bicycle carrier).*

- *The radar sensors do not detect human, animal, shopping cart, bicycle, or static objects such as fences.*
- *The radar sensors may not detect all types of vehicles around your vehicle, especially the following types of vehicles:*

  - *Motorcycles*
  - *Vehicles with body shapes that radar may not reflect such as a flatbed trailer with no cargo.*
  - *Vehicles with lower body height such as sports cars.*

- *Although the system may detect objects on the road side such as parked vehicles or guardrails and operate the warning light/beep, it does not indicate a malfunction.*
- *If the vehicle is driven on a road with less traffic and few vehicles that the radar sensors can detect, the system may pause (the Blind Spot Monitoring (BSM) OFF indicator light in the instrument cluster flashes). However, it does not indicate a malfunction.*
- *The following conditions may affect the visibility of the Blind Spot Monitoring (BSM) warning lights on the outside mirror, making it difficult to confirm the illumination of the lights:*

  - *Ice or snow adheres to the surface of the outside mirrors.*
  - *The door window glass is tinted.*

- *The radar sensors are equipped inside the rear bumper (page 4-98).*
- *Have the radar sensors inspected at an Authorized Mazda Dealer if any shock is applied to the rear bumper, even in a minor accident. If the vehicle is driven with a damaged radar sensor, the system may not operate properly resulting in an accident.*
- *For repairs or paintwork around the radar sensors, or replacement of the bumper, consult an Authorized Mazda Dealer.*
- *The radar sensors of the Blind Spot Monitoring (BSM) system may be regulated under the radio wave related laws of the country where the vehicle is driven. The sensors in this system are approved for use in the U.S.A. (including territories) and Canada. If a vehicle with a Blind Spot Monitoring (BSM) system is driven in a country other than the U.S.A. or Canada, the system has to be turned off using the Blind Spot Monitoring (BSM) OFF switch.*

▼Blind Spot Monitoring (BSM)

The Blind Spot Monitoring (BSM) system monitors the detection areas on both sides of the vehicle to the rear and when there are vehicles in the detection area it notifies the driver by illuminating the Blind Spot Monitoring (BSM) warning light while the vehicle speed is about 10 km/h (6.2 mph) or faster and driving forward.

If the turn signal lever is operated to the side the Blind Spot Monitoring (BSM) warning light is illuminated, the Blind Spot Monitoring (BSM) warning light flashes and the system warns the driver of the vehicle in the detection area using a BSM warning beep sound.

Your vehicle

Detection areas

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NOTE

- *The Blind Spot Monitoring (BSM) does not operate when the vehicle speed is lower than about 10 km/h (6.2 mph).*
- *The detection area of the Blind Spot Monitoring (BSM) has been determined based on the lane width of general freeways. Therefore on a road with a narrower lane width, the system may detect vehicles on a lane next to the adjacent lane and operate the warning light/beep. On a road with wider lane width, the system may not detect vehicles on the adjacent lane and may not operate the warning light/beep.*
- *Under the following conditions, the system may be unable to detect vehicles, or detection may be delayed.*

  - *The vehicle accelerates from a standing-start with a vehicle alongside.*
  - *A vehicle moves from a lane two lanes over to the adjacent lane.*
  - *The difference in vehicle speed between your vehicle and another vehicle is larger when passing or being passed, and the vehicle passes the detection area within a short period of time.*
  - *On a steep incline, or when there is a difference in height between lanes.*
  - *Immediately after the system has been activated by pressing the Blind Spot Monitoring (BSM) OFF switch again after it has been turned off (Blind Spot Monitoring (BSM) OFF indicator light in instrument cluster illuminates) by pressing the switch.*
  - ***(Automatic transaxle vehicles)***
    The shift lever is shifted to the R position, or directly after being shifted from the R position.

- *The system may not operate normally when towing a trailer. Turn off the system by operating the Blind Spot Monitoring (BSM) OFF switch when towing a trailer.*
- *The system switches to the Rear Cross Traffic Alert function when the change lever (Manual transaxle) or the selector lever (Automatic transaxle) is shifted to the R position.*

▼**Rear Cross Traffic Alert (RCTA)**

When reversing the vehicle from a parking garage, vehicles approaching both sides of the vehicle are detected to alert the driver of a possible collision by flashing the Blind Spot Monitoring (BSM) warning light and activating the Blind Spot Monitoring (BSM) warning beep sound.

Your vehicle

Detection areas

Rear Cross Traffic Alert (RCTA) system operation
1. The Rear Cross Traffic Alert (RCTA) system operates when the shift lever (manual transaxle) or the selector lever (automatic transaxle) is shifted to the R position.
2. If a vehicle approaches which may hit you, the Blind Spot Monitoring (BSM) system warning light flashes and the Blind Spot Monitoring system (BSM) warning beep sounds at the same time.

4-95

NOTE

Under the following conditions, the system may be unable to detect vehicles, or detection may be delayed.

- *The vehicle is reversed at a speed of 12 km/h or faster*
- *The radar is obstructed by objects such as a large vehicle parked adjacently or by a wall. (Reverse vehicle to position in which radar is not obstructed.)*

Your vehicle

- *A vehicle approaches from straight behind*

Your vehicle

- *The vehicle is parked at a highly acute angle*

Your vehicle

- *Immediately after the system has been activated by pressing the Blind Spot Monitoring (BSM) OFF switch again after it has been turned off (Blind Spot Monitoring (BSM) OFF indicator light in instrument cluster illuminates) by pressing the switch.*

▼BSM Warning Light

The Blind Spot Monitoring (BSM) system alerts the driver to the presence of another vehicle in an adjacent lane using the Blind Spot Monitoring (BSM) warning lights and the warning beep while the system is operational.
The warning light is equipped on the left and right door mirrors.

This warning light illuminates for a few seconds when the ignition is switched ON.

Driving forward

If the Blind Spot Monitoring (BSM) system detects a vehicle in the detection area while the vehicle is driven at a speed of about 10 km/h (6.2mph) or more, the Blind Spot Monitoring (BSM) warning light illuminates on the side of the vehicle where the rear on-coming vehicle is detected. A warning indicator light flashes when the turn signal lever is operated to the side where the Blind Spot Monitoring (BSM) warning lights is illuminated to alert the driver.

Reversing

If vehicles approach from the rear on the left and right, the Blind Spot Monitoring (BSM) warning lights on both sides flash.

NOTE

- *If ice or snow adhere to the outer mirror surface, the Blind Spot Monitoring (BSM) warning light may not be visible.*
- *If the door window glass is tinted, it may affect the visibility of the Blind Spot Monitoring (BSM) warning light, making it difficult to confirm the illumination of the light.*

▼BSM OFF Indicator Light

BSM
OFF

This indicator light illuminates for a few seconds when the ignition is switched ON.

The BSM OFF indicator light illuminates when the BSM system is turned off by pressing the BSM OFF switch.
The indicator light flashes if the BSM system has a malfunction. Consult an Authorized Mazda Dealer.

NOTE

If the vehicle is driven on a road with less traffic and few vehicles that the radar sensors can detect, the system may pause (The BSM OFF indicator light in the instrument cluster flashes). However, it does not indicate a malfunction.

▼BSM OFF Switch

When the BSM OFF switch is pressed, the BSM system turns off and the BSM OFF indicator light illuminates.

Press the BSM OFF switch again to turn on the BSM system. The BSM OFF indicator light turns off.

NOTE

If the ignition is switched off with the BSM system turned off, the system becomes operable automatically when the ignition is switched ON.

▼Care of Radar Sensors

The radar sensors are equipped inside the rear bumper.
4–Door

Radar sensors

5–Door

Radar sensors

Always keep the bumper surface near the radar sensor area clean so that the BSM system operates normally.
Refer to Exterior Care on page 6-54.

NOTE

- *The BSM OFF indicator light flashes if the radar sensors cannot operate normally. If the light remains flashing after cleaning the bumper surface near the radar sensor area, consult an Authorized Mazda Dealer.*
- *For repairs or paintwork around the radar sensors, or replacement of the bumper, consult an Authorized Mazda Dealer.*

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Lane Departure Warning System (LDWS)*

The LDWS notifies the driver that the vehicle may be deviating from its lane.
The system detects the white (yellow) lines on the traffic lane using the Forward Sensing Camera (FSC) and if it determines that the vehicle may be deviating from its lane, it notifies the driver by flashing the LDWS indicator light (green) and operating the LDWS warning sound.
Refer to Forward Sensing Camera on page 4-61.
Use the LDWS when you drive the vehicle on roads with white (yellow) lines.

Forward Sensing Camera (FSC)

LDWS warning light (Amber)/
LDWS indicator light (Green)

The warning light flashes when the system has a malfunction.
Refer to Warning Lights on page 4-21.

⚠ WARNING

Do not use the LDWS under the following conditions:
The system may not operate adequately according to the actual driving conditions, resulting in an accident.

  ➢ *Driving on roads with tight curves.*
  ➢ *Driving under bad weather conditions (rain, fog, and snow).*

The functions of the LDWS have limitations:
Always stay on course using the steering wheel and drive with care. The system is not designed to compensate for a driver's lack of cautions and if you rely too much on the LDWS it could lead to an accident. The driver is responsible for assuring lane changes and other maneuvers. Always pay attention to the direction in which the vehicle is traveling and the vehicle's surroundings.

⚠ CAUTION

Do not modify the suspension. If the vehicle height or the damping force of the suspensions is changed, the LDWS may not operate correctly.

NOTE

- *If your vehicle deviates from its traffic lane, the LDWS operates (warning sound and indicator light). Steer the vehicle adequately to drive the vehicle to the center of the lane.*
- *When the turn signal lever is operated for a lane change, the LDWS warning is automatically canceled. The LDWS warning becomes operable when the turn signal lever is returned and the system detects the white (yellow) lines.*
- *If the steering wheel, accelerator pedal, or brake pedal is operated abruptly and the vehicle moves close to a white (yellow) line, the system determines that the driver is making a lane change and the LDWS warning is automatically canceled.*
- *The LDWS may not operate during the period immediately after the vehicle has deviated from its lane and the LDWS has operated, or the vehicle deviates from its lane repeatedly within a short period of time.*
- *The LDWS does not operate if it does not detect the white (yellow) lines of the traffic lane.*

- *Under the following conditions, the LDWS may not be able to detect white (yellow) lines correctly and the LDWS may not operate correctly.*

  - *If an object placed on the dashboard is reflected in the windshield and picked up by the camera.*
  - *Heavy luggage is loaded in the luggage compartment or on the rear seat and the vehicle is inclined.*
  - *The tire pressures are not adjusted to the specified pressure.*
  - *When the vehicle is driven on the entry and exit to or from the rest area or tollgate of a highway.*
  - *The white (yellow) lines are less visible because of dirt or paint flaking.*
  - *The vehicle in front of your vehicle is running near a white (yellow) line and the line is less visible.*
  - *A white (yellow) line is less visible because of bad weather (rain, fog, or snow).*
  - *The vehicle is driven on a temporary lane or section with a closed lane due to construction.*
  - *A misleading line is picked up on the road such as a temporary line for construction, or because of shade, lingering snow, or grooves filled with water.*
  - *The surrounding brightness suddenly changes such as when entering or exiting a tunnel.*
  - *The illumination of the headlights is weakened because of dirt or the optical axis is deviated.*
  - *The windshield is dirty or foggy.*
  - *Back-light is reflecting from the road surface.*
  - *The road surface is wet and shiny after rain, or there are puddles on the road.*
  - *The shade of a guardrail parallel to a white (yellow) line is on the road.*
  - *The width of a lane is excessively narrow or wide.*
  - *The road is excessively uneven.*
  - *The vehicle is shaken after hitting a road bump.*
  - *There are two or more adjacent white (yellow) lines.*
  - *There are various road markings or lane markings of various shapes near an intersection.*

▼**When The System Operates**

1. Press the LDWS switch. The LDWS goes on stand-by and the LDWS warning light (amber) illuminates. The lane indication (bordered line) is indicated in the Active Driving Display (ADD).

Indication on display

2. Drive the vehicle near the center of the lane and the LDWS indicator light (green) illuminates in the instrument cluster when all of the following conditions are met.

   • The vehicle is driven near the center of the lane with the white (yellow) line on the left and right sides, or on either side.
   • The vehicle speed is about 70 km/h (44 mph) or more
   • The vehicle is driven on a straight road or road with gentle curves

   The lane indication is indicated in the Active Driving Display (ADD).
   Indication on display

NOTE
   • *The LDWS remains on stand-by until it detects white (yellow) lines on both the left and right sides, or on either side.*
   • *When the system detects a white (yellow) line on one side only, the system will operate the warning only when the vehicle deviates to the side the white (yellow) line detected.*

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Auto cancel

Under the following conditions, the LDWS is automatically canceled and kept on stand-by, and the LDWS warning light (amber) in the instrument cluster illuminates.
The lane indication (bordered line) is indicated in the Active Driving Display (ADD).
The LDWS is automatically enabled when the condition changes and the system is operable.

- The system cannot detect white (yellow) lines.
- The vehicle speed is less than about 65 km/h (40 mph).
- The vehicle is making a sharp curve.
- The vehicle is making a curve at an inadequate speed.
- The temperature inside the camera is high or low.
- The windshield around the camera is foggy.
- The windshield around the camera is blocked by an obstruction, causing poor forward visibility.

Auto cancel of warning

Under the following conditions, the LDWS determines that the driver is making lane changes and the warning is automatically canceled.
The LDWS is automatically enabled after the operation.

- The steering wheel is operated abruptly.
- The brake pedal is depressed abruptly.
- The accelerator pedal is depressed abruptly.
- A turn signal lever is operated (after the turn signal lever is returned, the LDWS warning may not operate for about 3 seconds which is the period of time required to make a lane correction).

NOTE

- *After about 5 seconds have elapsed with the turn signal lever left operating, the LDWS warning may operate if the vehicle is close to a white (yellow) line.*
- *The sensitivity of the warning (sensitivity with which the system determines the driver's intentional lane change) can be changed.*
  Refer to Personalization Features on page 9-10.

▼**Canceling The System**

To cancel the LDWS, press the LDWS switch. The LDWS indicator light (Green/Amber) in the instrument cluster turns off. The lane indication displayed in the Active Driving Display (ADD) turns off.

▼LDWS Warning

If the system determines that the vehicle may be deviating from its lane while the system is operating, the LDWS warning sounds and the LDWS indicator light (green) flashes.
Refer to Lane Departure Warning System (LDWS) Warning Sound on page 7-37.
In the Active Driving Display (ADD), the direction in which the system determined that the vehicle may be deviating from its lane is indicated. Operate the steering wheel adequately and drive in the center of the lane.
Indication on display

NOTE

- *If the LDWS warning sound is set to rumble, the sound will be heard from the vehicle speaker on the side which the system determined the vehicle may be deviating from its lane.*
- *The LDWS warning sound may not be heard depending on the surrounding conditions such as outside noise.*
- *The warning timing with which the system determines the vehicle may be deviating from its lane can be changed. Refer to Personalization Features on page 9-10.*

Rear View Monitor*

The rear view monitor is a visual assist system when reversing the vehicle that provides images from the rear of the vehicle.

⚠ WARNING

Always drive carefully confirming the safety of the rear and the surrounding conditions by looking directly with your eyes:

Reversing the vehicle by only looking at the screen is dangerous as it may cause an accident or a collision with an object. The rear view monitor is only a visual assist device when reversing the vehicle. The images on the screen may be different from the actual conditions.

⚠ CAUTION

➢ *Do not use the rear view monitor under the following conditions: Using the rear view monitor under the following conditions is dangerous and could result in injury or vehicle damage or both.*

  ➢ *Icy or snow-covered roads.*
  ➢ *Tire chains or a temporary spare tire is installed.*
  ➢ *The trunk lid/liftgate is not fully closed.*
  ➢ *The vehicle is on a road incline.*

➢ *When the display is cold, images may course across the monitor or the screen and may be dimmer than usual, which could cause difficulty in confirming the surrounding conditions of the vehicle. Always drive carefully confirming the safety of the rear and the surrounding conditions by looking directly with your eyes.*
➢ *Do not apply excessive force to the camera. The camera position and angle may deviate.*
➢ *Do not disassemble, modify, or remove it as it may no longer be waterproof.*
➢ *The camera cover is made of plastic. Do not apply degreasing agents, organic solvents, wax, or glass coating agents to the camera cover. If any are spilled on the cover, wipe off with a soft cloth immediately.*
➢ *Do not rub the cover excessively, or polish it using an abrasive compound or a hard brush. The cover may be damaged affecting the image.*

NOTE
- *If water, snow, or mud is stuck on the camera lens, wipe it off using a soft cloth. If it cannot be wiped off, use a mild detergent.*
- *If the camera temperature changes rapidly (Hot to cold, cold to hot), the rear view monitor may not operate correctly.*
- *When replacing the tires, consult an Authorized Mazda Dealer. Replacing the tires could result in deviation of the guide lines which appear on the display.*
- *If the vehicle's front, side, or rear has been involved in a collision, the alignment of the rear view parking camera (location, installation angle) may have deviated. Always consult an Authorized Mazda Dealer to have the vehicle inspected.*

▼Rear View Parking Camera Location

4-Door   **5-Door**

Rear View Parking Camera

▼Switching to the Rear View Monitor Display

Shift the shift lever to R with the ignition switched ON to switch the display to the rear view monitor display.

NOTE

When the shift lever is shifted from R to another shift lever position, the screen returns to the previous display.

▼Displayable Range on the Screen

The images on the screen may be different from the actual conditions.

(Screen display)

Trunk lid (4-door)/
garnish (5-door)

Bumper

Please check surroundings for safety

(Actual view)

Object

NOTE

- *The displayable range varies depending on the vehicle and road conditions.*
- *The displayable range is limited. Objects under the bumper or around the bumper ends cannot be displayed.*
- *The distance appearing in the displayed image is different from the actual distance because the rear view parking camera is equipped with a specific lens.*
- *Some optionally installed vehicle accessories may be picked up by the camera. Do not install any optional parts that can interfere with the camera view, such as illuminating parts or parts made of reflective material.*
- *It may be difficult to see the display under the following conditions, however, it does not indicate a malfunction.*

  - *In darkened areas.*
  - *When the temperature around the lens is high/low.*
  - *When the camera is wet such as on a rainy day or during periods of high humidity.*
  - *When foreign material such as mud is stuck around the camera.*
  - *When the camera lens reflects sunlight or headlight beams.*

- *Image display may be delayed if the temperature around the camera is low.*

▼ Viewing the Display

Guide lines which indicate the width of the vehicle (yellow) are displayed on the screen as a reference to the approximate width of the vehicle in comparison to the width of the parking space you are about to back into.
Use this display view for parking your vehicle in a parking space or garage.

Please check surroundings for safety

a) Vehicle width guide lines (yellow)
b) Guide lines serve as a reference to the approximate width of the vehicle.
   Distance guide lines These guide lines indicate the approximate distance to a point measured from the vehicle's rear (from the end of the bumper).

   The red and yellow lines indicate the points about 50 cm (19 in) for the red line and 100 cm (39.3 in) for the yellow lines from the rear bumper (at the center point of each of the lines).

⚠ CAUTION

The guide lines on the screen are fixed lines. They are not synced to the driver's turning of the steering wheel. Always be careful and check the area to the vehicle's rear and the surrounding area directly with your eyes while backing up.

4-109

▼Rear View Monitor Operation

The operation of the rear view monitor when reversing the vehicle varies depending on the traffic, road, and vehicle conditions. The amount of steering and the timing also varies depending on conditions, so confirm the surrounding conditions directly with your eyes and steer the vehicle in accordance with the conditions.
Be well aware of the above cautions prior to using the rear view monitor.

NOTE

Images displayed on the monitor from the rear view parking camera are reversed images (mirror images).

1. Shift the shift lever to R to switch the display to the rear view monitor display.
2. Confirming the surrounding conditions, reverse the vehicle.

(Display condition)　　　　　　　**(Vehicle condition)**

Please check surroundings for safety

3. After your vehicle begins entering the parking space, continue backing up slowly so that the distance between the vehicle width lines and the sides of the parking space on the left and right are roughly equal.
4. Continue to adjust the steering wheel until the vehicle width guide lines are parallel to the left and right sides of the parking space.

4-110

5. Once they are parallel, straighten the wheels and back your vehicle slowly into the parking space. Continue checking the vehicle's surroundings and then stop the vehicle in the best possible position. (If the parking space has division lines, check whether the vehicle width guide lines are parallel to them.)

(Display condition)   **(Vehicle condition)**

Please check surroundings for safety

6. When the shift lever is shifted from R to another shift lever position, the screen returns to the previous display.

4-111

NOTE

Because there may be a difference between the displayed image, such as indicated below, and the actual conditions when parking, always verify the safety at the rear of the vehicle and the surrounding area directly with your eyes.

- *In the image of the parking space (or garage) displayed below, even though the back end and distance guide lines appear parallel in the monitor, they may not actually be parallel on the ground.*
- *When parking in a space with a division line on only one side of the parking space, the division line and the vehicle width guide line may appear parallel on the monitor, but they may not actually be parallel on the ground.*

Please check surroundings for safety

▼ **Variance Between Actual Road Conditions and Displayed Image**

Some variance occurs between the actual road and the displayed road. Such variance in distance perspective could lead to an accident. Note the following conditions that may cause a variance in distance perspective.

When the vehicle is tilted due to the weight of passengers and load

When the vehicle rear is lowered, the object displayed on the screen appears farther than the actual distance.

Object

Variance

4-112

When there is a steep grade behind the vehicle

When there is a steep upgrade (downgrade) behind the vehicle, the object displayed on the screen appears farther (downgrade: closer) than the actual distance.

A: Distance between the vehicle and object displayed on the screen.
B: Actual distance between the vehicle and object.

Three-dimensional object on vehicle rear

Because the distance guide lines are displayed based on a flat surface, the distance to the three-dimensional object displayed on the screen is different from the actual distance.

(Screen display)

(Actual condition)

Please check surroundings for safety

Sensed distance on screen A>B>C

(Actual distance) B>C=A

4-113

▼**Picture Quality Adjustment**

⚠ WARNING

Always adjust the picture quality of the rear view monitor while the vehicle is stopped:
Do not adjust the picture quality of the rear view monitor while driving the vehicle. Adjusting the picture quality of the rear view monitor such as brightness, contrast, color, and tint while driving the vehicle is dangerous as it could distract your attention from the vehicle operation which could lead to an accident.

Picture quality adjustment can be done while the shift lever is in reverse (R).
There are four settings which can be adjusted including, brightness, contrast, tint, and color.
When adjusting, pay sufficient attention to the vehicle surroundings.

1. Select the (⧚) icon on the screen to display the tabs.
2. Select the desired tab item.
3. Adjust the brightness, contrast, tint, and color using the slider.
   If you need to reset, press the reset button.
4. Select the (⧖) icon on the screen to close the tab.

5 Interior Features

Use of various features for ride comfort, including air-conditioning and audio system.

Operating Tips

- Operate the climate control system with the engine running.
- To prevent the battery from being discharged, do not leave the fan control dial on for a long period of time with the ignition switched ON when the engine is not running.
- Clear all obstructions such as leaves, snow and ice from the hood and the air inlet in the cowl grille to improve the system efficiency.
- Use the climate control system to defog the windows and dehumidify the air.
- The recirculate mode should be used when driving through tunnels or while in a traffic jam, or when you would like to shut off outside air for quick cooling of the interior.
- Use the outside air mode for ventilation or windshield defrosting.
- If the vehicle has been parked in direct sunlight during hot weather, open the windows to let warm air escape, then run the climate control system.
- Run the air conditioner about 10 minutes at least once a month to keep internal parts lubricated.

- Have the air conditioner checked before the weather gets hot. Lack of refrigerant may make the air conditioner less efficient.
- The refrigerant specifications are indicated on a label attached to the inside of the engine compartment. Check the label before refilling the refrigerant. If the wrong type of refrigerant is used, it could result in a serious malfunction of the air conditioner.
- For details, consult an Authorized Mazda Dealer.

Label

5-2

Vent Operation

▼Adjusting the Vents

Directing airflow

To adjust the direction of airflow, move the adjustment knob.

NOTE

When using the air conditioner under humid ambient temperature conditions, the system may blow fog from the vents. This is not a sign of trouble but a result of humid air being suddenly cooled.

Side Vents

Knob   Knob

Dial   Dial

Close   Open Close   Open

Center Vents

Knob

▼**Selecting the Airflow Mode**

Dashboard Vents

Defroster and Floor Vents

Dashboard and Floor Vents

Defroster Vents

Floor Vents

Manual Climate Control

Temperature control dial   Rear window defroster switch
Fan control dial   Mode selector dial
*A/C switch

Air intake selector
(outside air mode)

Air intake selector
(recirculated air
mode)

*

* With A/C switch

▼ Control Switches

Temperature control dial

This dial controls temperature. Turn it clockwise for hot and counterclockwise for cold.

NOTE

When the mode is set to 🌬 or 🌬 with the fan control dial in a position other than 0 and the temperature control dial in the maximum cold position, the air intake selector switches to the recirculated air mode and the A/C turns on automatically. If A/C is not desired, press the A/C switch to turn it off.

Fan control dial

This dial allows variable fan speeds. The fan has seven speeds.

Mode selector dial

Turn the mode selector dial to select airflow mode (page 5-4).

NOTE

- *The mode selector dial can be set at the intermediate positions (●) between each mode. Set the dial to an intermediate position if you want to split the airflow between the two modes.*
- *For example, when the mode selector dial is at the ● position between the 🌬 and 🌬 positions, airflow from the floor vent is less than that of the 🌬 position.*

A/C switch*

Press the A/C switch to turn the air conditioner on. The indicator light on the switch will illuminate when the fan control dial is in any position except OFF.

Press the switch once again to turn the air conditioner off.

NOTE

The air conditioner may not function when the outside temperature approaches 0 °C (32 °F).

Air intake selector

This switch controls the source of air entering the vehicle.

Press the air intake selector switch to alternate between the outside air and recirculated air modes.

Recirculated air mode (⬅)

Outside air is shut off. Air within the vehicle is recirculated.

Outside air mode (⬅)

Outside air is allowed to enter the cabin. Use this mode for ventilation or windshield defrosting.

⚠ WARNING

Do not use the recirculated air mode in cold or rainy weather:

Using the recirculated air mode in cold or rainy weather is dangerous as it will cause the windows to fog up. Your vision will be hampered, which could lead to a serious accident.

▼ Heating

1. Set the mode selector dial to the ↙ position.
2. Set the air intake selector to the outside air mode.
3. Set the temperature control dial to the hot position.
4. Set the fan control dial to the desired speed.
5. If dehumidified heating is desired, turn on the air conditioner.

NOTE

- *If the windshield fogs up easily, set the mode selector dial to the ⛄ position.*
- *If cooler air is desired at face level, set the mode selector dial at the ⤴ position and adjust the temperature control dial to maintain maximum comfort.*
- *The air to the floor is warmer than air to the face (except when the temperature control dial is set at the extreme hot or cold position).*
- *In the ⛄ or ⛄ position, the air conditioner is automatically turned on and the outside air mode is automatically selected to defrost the windshield. In the ⛄ or ⛄ position, the outside air mode cannot be changed to the recirculated air mode.*

▼ Cooling (With air conditioner)

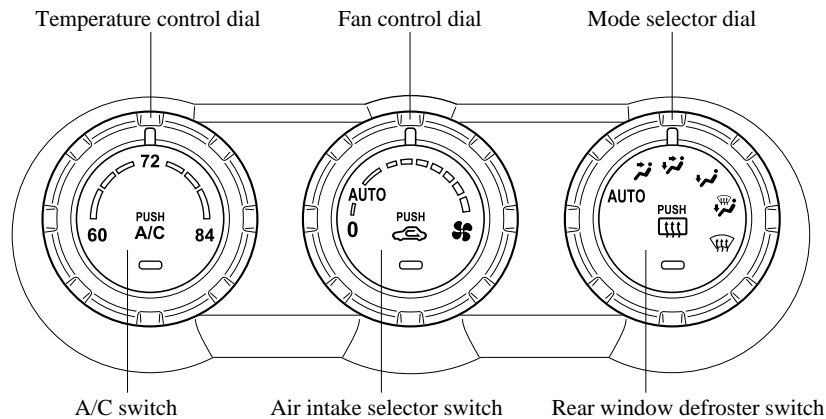1. Set the mode selector dial to the ⤴ position.
2. Set the temperature control dial to the cold position.
3. Set the fan control dial to the desired speed.
4. Turn on the air conditioner by pressing the A/C switch.
5. After cooling begins, adjust the fan control dial and temperature control dial as needed to maintain maximum comfort.

⚠ CAUTION

If the air conditioner is used while driving up long hills or in heavy traffic, monitor the engine coolant temperature warning light to see if it is illuminated or flashing (page 4-20). The air conditioner may cause engine overheating. If the warning light is illuminated or flashing, turn the air conditioning off (page 7-19).

NOTE

- *When maximum cooling is desired, set the temperature control dial to the extreme cold position and set the air intake selector to the recirculated air mode, then set turn the fan control dial fully clockwise.*
- *If warmer air is desired at floor level, set the mode selector dial at the ✈ position and adjust the temperature control dial to maintain maximum comfort.*
- *The air to the floor is warmer than air to the face (except when the temperature control dial is set at the extreme hot or cold position).*

▼ Ventilation

1. Set the mode selector dial to the ✈ position.
2. Set the air intake selector to the outside air mode.
3. Set the temperature control dial to the desired position.
4. Set the fan control dial to the desired speed.

▼ Windshield Defrosting and Defogging

1. Set the mode selector dial to the ⊌ position.
2. Set the temperature control dial to the desired position.
3. Set the fan control dial to the desired speed.
4. If dehumidified heating is desired, turn on the air conditioner.

⚠ WARNING

Do not defog the windshield using the ⊌ position with the temperature control set to the cold position:

Using the ⊌ position with the temperature control set to the cold position is dangerous as it will cause the outside of the windshield to fog up. Your vision will be hampered, which could lead to a serious accident. Set the temperature control to the hot or warm position when using the ⊌ position.

NOTE

- *For maximum defrosting, turn on the air conditioner, set the temperature control dial to the extreme hot position, and turn the fan control dial fully clockwise.*
- *If warm air is desired at the floor, set the mode selector dial to the ✈ position.*
- *In the ✈ or ⊌ position, the air conditioner is automatically turned on and the outside air mode is automatically selected to defrost the windshield. In the ✈ or ⊌ position, the outside air mode cannot be changed to the recirculated air mode.*

5-7

▼**Dehumidifying (With air conditioner)**

Operate the air conditioner in cool or cold weather to help defog the windshield and side windows.

1. Set the mode selector dial to the desired position.
2. Set the air intake selector to the outside air mode.
3. Set the temperature control dial to the desired position.
4. Set the fan control dial to the desired speed.
5. Turn on the air conditioner by pressing the A/C switch.

NOTE

One of the functions of the air conditioner is dehumidifying the air and, to use this function, the temperature does not have to be set to cold. Therefore, set the temperature control dial to the desired position (hot or cold) and turn on the air conditioner when you want to dehumidify the cabin air.

5-**8**

Automatic Climate Control

Temperature control dial   Fan control dial   Mode selector dial

A/C switch   Air intake selector switch   Rear window defroster switch

▼ Control Switches

Temperature control dial

This dial controls temperature. Turn it clockwise for hot and counterclockwise for cold.

Fan control dial

The fan has seven speeds.

AUTO position

The amount of airflow will be automatically controlled in accordance with the set temperature.

Except AUTO position

The airflow amount can be adjusted to the desired level by turning the dial.

0 position

To turn off the system, set the dial to 0 position.

Mode selector dial

Turn the mode selector dial to select airflow mode (page 5-4).

AUTO position

The airflow mode automatically adjusts to the selected temperature.

Except AUTO position

The desired airflow position can be selected by turning the dial.

NOTE

- *With the airflow mode set to the ⫚ position and the temperature control dial set at a medium temperature, heated air is directed to the feet and air at a comparably lower temperature will flow through the central, left and right vents.*
- *When the fan control dial is ON, and the mode selector dial is in the ⫚ or ⫳ position, the air conditioner is automatically turned on and the outside air mode is automatically selected to defrost the windshield. In the ⫚ or ⫳ position, the outside air mode cannot be changed to the recirculated air mode.*

5-9

A/C switch

Pressing the A/C switch while the AUTO switch is turned on will turn off the air conditioning (cooling/dehumidifying functions).
The air conditioning can be turned on and off by pressing the A/C switch while the fan control dial is on.

NOTE

The air conditioner may not function when the outside temperature approaches 0 °C (32 °F).

Air intake selector

Outside or recirculated air positions can be selected. Press the switch to select outside/recirculated air positions.

Recirculated air position (indicator light illuminated)

Outside air is shut off. Use this position when going through tunnels, driving in congested traffic (high engine exhaust areas) or when quick cooling is desired.

Outside air position (indicator light turned off)

Outside air is allowed to enter the cabin. Use this mode for ventilation or windshield defrosting.

⚠ WARNING

Do not use the ⇦ position in cold or rainy weather:

Using the ⇦ position in cold or rainy weather is dangerous as it will cause the windows to fog up. Your vision will be hampered, which could lead to a serious accident.

▼ Operation of Automatic Air Conditioning

1. Set the mode selector dial to the AUTO position.
2. Set the air intake selector to the outside air position (indicator light turned off).
3. Set the temperature control dial to the desired position.
4. Set the fan control dial to the AUTO position.
5. Turn on the air conditioner.

To turn off the system, set the fan control dial to OFF.

NOTE

- *Setting the temperature to maximum high or low will not provide the desired temperature at a faster rate.*
- *When selecting heat, the system will restrict airflow until it has warmed to prevent cold air from blowing out of the vents.*

▼ Windshield Defrosting and Defogging

Set the mode selector dial to the ⊎ position and turn the fan control dial to the desired speed.
In this position, the outside air position is automatically selected, and when the fan control dial is ON, the air conditioner automatically turns on. The air conditioner will directly dehumidify the air to the front windshield and side windows (page 5-4). Airflow amount will be increased.

⚠ WARNING

Set the temperature control to the hot or warm position when defogging (⊡ position):

> *Using the ⊡ position with the temperature control set to the cold position is dangerous as it will cause the outside of the windshield to fog up. Your vision will be hampered, which could lead to a serious accident.*

NOTE

Use the temperature control dial to increase the air flow temperature and defog the windshield more quickly.

▼ Sunlight/Temperature Sensor

The climate control system measures inside and outside temperatures, and sunlight. It then sets temperatures inside the passenger compartment accordingly.

⚠ CAUTION

> *Do not obstruct either sensor, otherwise the climate control system will not operate properly.*

Sunlight sensor

Interior temperature sensor

Dual-Zone Automatic Climate Control

Climate control information is displayed on the display.

Temperature setting display (driver)   Windshield defroster switch

Driver temperature control dial   Air intake selector   Rear window defroster switch
(recirculated air
position)

Air intake selector   A/C mode display   Passenger temperature
(outside air position)   A/C switch   control dial

AUTO switch   OFF switch   DUAL switch

Fan control switch   Mode selector   Mode selector switch
display

Airflow display   Temperature setting display (passenger)

▼ Control Switches

AUTO switch

By pressing the AUTO switch the following functions will be automatically controlled in accordance with the selected set temperature:

• Airflow temperature
• Amount of airflow
• Selection of airflow mode
• Outside/Recirculated air selection
• Air conditioner operation

NOTE

AUTO switch indicator light

• *When on, it indicates auto operation, and the system will function automatically.*
• *If any of the following switches are operated while in auto control, the AUTO switch indicator turns off.*

  • *Mode selector switch*
  • *Fan control switch*
  • *Windshield defroster switch*
  The functions for switches other than those operated in the above continue to operate in auto control.

OFF switch

Pressing the OFF switch shuts off the climate control system.

Temperature control dial

This dial controls temperature. Turn it clockwise for hot and counterclockwise for cold.

- When the DUAL switch is off:
  Turn the driver temperature control dial to control the temperature throughout the entire cabin.
- When the DUAL switch is on:
  Turn the driver or front passenger temperature control dial to independently control the temperature on each side of the cabin.

NOTE

- *The climate control system changes to the individual operation mode (DUAL switch indicator light illuminated) by turning the front passenger temperature control dial even when the DUAL switch is off, which allows individual control of the set temperature for the driver and front passenger.*
- *The temperature units for the temperature setting display can be changed in conjunction with the temperature units for the outside temperature display.*
  Refer to Outside Temperature Display on page 4-15

Fan control switch

The fan has seven speeds. The selected speed will be displayed.

Mode selector switch

The desired airflow mode can be selected (page 5-4).

NOTE

- *With the airflow mode set to the ⛄ position and the temperature control dial set at a medium temperature, heated air is directed to the feet and air at a comparably lower temperature will flow through the central, left and right vents.*
- *To set the air vent to ⛄, press the windshield defroster switch.*
- *In the ⛄ or ⛄ position, the air conditioner is automatically turned on and the outside air mode is automatically selected to defrost the windshield. In the ⛄ or ⛄ position, the outside air mode cannot be changed to the recirculated air mode.*

A/C switch

Pressing the A/C switch while the AUTO switch is turned on will turn off the air conditioning (cooling/dehumidifying functions).
The air conditioning can be turned on and off by pressing the A/C switch while the fan control switch is on.

NOTE

- *The air conditioning operates when the A/C switch is pressed even if the fan is off.*
- *The air conditioner may not function when the outside temperature approaches 0 °C (32 °F).*

Air intake selector

Outside or recirculated air positions can be selected. Press the switch to select outside/recirculated air positions.

Recirculated air position (⮐)

Outside air is shut off. Use this position when going through tunnels, driving in congested traffic (high engine exhaust areas) or when quick cooling is desired.

Outside air position (⮐)

Outside air is allowed to enter the cabin. Use this mode for ventilation or windshield defrosting.

⚠ WARNING

Do not use the ⮐ position in cold or rainy weather:

> *Using the ⮐ position in cold or rainy weather is dangerous as it will cause the windows to fog up. Your vision will be hampered, which could lead to a serious accident.*

DUAL switch

Use the DUAL switch to change the mode between the individual operation (driver and passenger) and interconnection (simultaneous) modes.

Individual operation mode (indicator light illuminated)

The set temperature can be controlled individually for the driver and front passenger.

Interconnection mode (indicator light turned off)

The set temperature for the driver and front passenger is controlled simultaneously.

Windshield defroster switch

Press the switch to defrost the windshield and front door windows.

▼ **Operation of Automatic Air Conditioning**

1. Press the AUTO switch. Selection of the airflow mode, air intake selector and amount of airflow will be automatically controlled.
2. Use the temperature control dial to select a desired temperature. Press the DUAL switch or turn the front passenger temperature control dial to control the set temperature individually for the driver and front passenger.

To turn off the system, press the OFF switch.

NOTE

- *Setting the temperature to maximum high or low will not provide the desired temperature at a faster rate.*
- *When selecting heat, the system will restrict airflow until it has warmed to prevent cold air from blowing out of the vents.*

▼Windshield Defrosting and Defogging

Press the windshield defroster switch. In this position, the outside air position is automatically selected, and the air conditioner automatically turns on. The air conditioner will directly dehumidify the air to the front windshield and side windows (on Page 5-4). Airflow amount will be increased.

⚠ WARNING

Set the temperature control to the hot or warm position when defogging (⛄ position):

Using the ⛄ position with the temperature control set to the cold position is dangerous as it will cause the outside of the windshield to fog up. Your vision will be hampered, which could lead to a serious accident.

NOTE

Use the temperature control dial to increase the air flow temperature and defog the windshield more quickly.

▼Sunlight/Temperature Sensor

The climate control system measures inside and outside temperatures, and sunlight. It then sets temperatures inside the passenger compartment accordingly.

⚠ CAUTION

Do not obstruct either sensor, otherwise the climate control system will not operate properly.

Sunlight sensor

Interior temperature sensor

5-15

Antenna

▼ Antenna (4-Door)

AM/FM Radio Antenna

The AM/FM radio antenna receives both AM and FM signals.
The antenna is embedded into the window glass.

> ### ⚠ CAUTION
>
> *When washing the inside of the window which has an antenna, use a soft cloth dampened in lukewarm water, gently wiping the antenna lines. Use of glass cleaning products could damage the antenna.*

Satellite Radio Antenna*

The satellite radio antenna receives SiriusXM signals.

Antenna

▼ Antenna (5-Door)

AM/FM Radio Antenna*

The AM/FM radio antenna receives both AM and FM signals.

(Type A)

To remove the antenna, turn it counterclockwise.
To install the antenna, turn it clockwise.
Make sure the antenna is securely installed.

Install

Remove

> ### ⚠ CAUTION
>
> ➢ *To prevent damage to the antenna, remove it before entering a car wash facility or passing beneath a low overhead clearance.*
> ➢ *Be careful around the antenna when removing snow from the roof. Otherwise the antenna could be damaged.*

NOTE
When leaving your vehicle unattended, we recommend that you remove the antenna and store it inside the vehicle.

(Type B)

Antenna

Antenna for AM/FM and Satellite Radio Antenna*

The antenna for AM/FM and satellite radio antenna receives both AM and FM signals and SiriusXM signals.

Antenna

Operating Tips for Audio System

⚠ WARNING

Always adjust the audio while the vehicle is stopped:

Do not adjust the audio control switches while driving the vehicle. Adjusting the audio while driving the vehicle is dangerous as it could distract your attention from the vehicle operation which could lead to a serious accident.

Even if the audio control switches are equipped on the steering wheel, learn to use the switches without looking down at them so that you can keep your maximum attention on the road while driving the vehicle.

⚠ CAUTION

For the purposes of safe driving, adjust the audio volume to a level that allows you to hear sounds outside of the vehicle including car horns and particularly emergency vehicle sirens.

NOTE

- *To prevent the battery from being discharged, do not leave the audio system on for a long period of time when the engine is not running.*
- *If a cellular phone or CB radio is used in or near the vehicle, it could cause noise to occur from the audio system, however, this does not indicate that the system has been damaged.*

Do not spill any liquid on the audio system.

Do not insert any objects, other than CDs, into the slot.

▼Radio Reception

AM characteristics

AM signals bend around such things as buildings or mountains and bounce off the ionosphere.
Therefore, they can reach longer distances than FM signals.
Because of this, two stations may sometimes be picked up on the same frequency at the same time.

FM characteristics

An FM broadcast range is usually about 40—50 km (25—30 miles) from the source. Because of extra coding needed to break the sound into two channels, stereo

FM has even less range than monaural (non-stereo) FM.

Signals from an FM transmitter are similar to beams of light because they do not bend around corners, but they do reflect. Unlike AM signals, FM signals cannot travel beyond the horizon. Therefore, FM stations cannot be received at the great distances possible with AM reception.

Atmospheric conditions can also affect FM reception. High humidity will cause poor reception. However, cloudy days may provide better reception than clear days.

5-**18**

Multipath noise

Since FM signals can be reflected by obstructions, it is possible to receive both the direct signal and the reflected signal at the same time. This causes a slight delay in reception and may be heard as a broken sound or a distortion. This problem may also be encountered when in close proximity to the transmitter.

Reflected wave

Direct

Flutter/Skip noise

Signals from an FM transmitter move in straight lines and become weak in valleys between tall buildings, mountains, and other obstacles. When a vehicle passes through such an area, the reception conditions may change suddenly, resulting in annoying noise.

Weak signal noise

In suburban areas, broadcast signals become weak because of distance from the transmitter. Reception in such fringe areas is characterized by sound breakup.

Strong signal noise

This occurs very close to a transmitter tower. The broadcast signals are extremely strong, so the result is noise and sound breakup at the radio receiver.

Station drift noise

When a vehicle reaches the area of two strong stations broadcasting at similar frequencies, the original station may be temporarily lost and the second station picked up. At this time there will be some noise from this disturbance.

Station 1
88.1 MHz

Station 2
88.3 MHz

▼Operating Tips for CD Player

Condensation phenomenon

Immediately after turning on the heater when the vehicle is cold, the CD or optical components (prism and lens) in the CD player may become clouded with condensation. At this time, the CD will eject immediately when placed in the unit. A clouded CD can be corrected simply by wiping it with a soft cloth. Clouded optical components will clear naturally in about an hour. Wait for normal operation to return before attempting to use the unit.

Handling the CD player

The following precautions should be observed.

• The CD revolves at high speed within the unit. Defective (cracked or badly bent) CDs should never be used.

• Do not use non-conventional discs such as heart-shaped, octagonal discs, etc. The disc may not eject resulting in a malfunction.

• If the memory portion of the CD is transparent or translucent, do not use the disc.

Transparent

• A new CD may have rough edges on its inner and outer perimeters. If a disc with rough edges is used, proper setting will not be possible and the CD player will not play the CD. In addition, the disc may not eject resulting in a malfunction. Remove the rough edges in advance by using a ball-point pen or pencil as shown below. To remove the rough edges, rub the side of the pen or pencil against the inner and outer perimeter of the CD.

• When driving over uneven surfaces, the sound may jump.

5-**20**

- The CD player has been designed to play CDs bearing the identification logo as shown below. No other discs can be played.

- Use discs that have been legitimately produced. If illegally-copied discs such as pirated discs are used, the system may not operate properly.
- Be sure never to touch the signal surface when handling the CDs. Pick up a CD by grasping the outer edge or the edge of the hole and the outer edge.

- Do not stick paper or tape on the CD. Avoid scratching the reverse side (the side without a label). The disc may not eject resulting in a malfunction.
- Dust, finger smudges, and dirt can decrease the amount of light reflected from the signal surface, thus affecting sound quality. If the CD should become soiled, gently wipe it with a soft cloth from the center of the CD to the edge.
- Do not use record sprays, antistatic agents, or household spray cleaners. Volatile chemicals such as benzine and thinner can also damage the surface of the CD and must not be used. Anything that can damage, warp, or fog plastic should never be used to clean CDs.

- The CD player ejects the CD if the CD is inserted upside down. Also dirty and/ or defective CDs may be ejected.
- Do not insert cleaning discs in the CD player.
- Do not insert any disc with a peel-off seal affixed to it.
- This unit may not be able to play certain CD-R/CD-RWs made using a computer or music CD recorder due to disc characteristics, scratches, smudges, dirt, etc., or due to dust or condensation on the lens inside the unit.
- Storing CDs in the vehicle exposed to direct sunlight or high temperature may damage the CD-R/CD-RWs, and make them unplayable.
- CD-R/CD-RW exceeding 700 MB cannot be played.
- This unit may not be able to play certain discs made using a computer due to the application (writing software) setting used. (For details, consult the store where the application was purchased.)
- It is possible that certain text data, such as titles, recorded on a CD-R/CD-RW may not be displayed when musical data (CD-DA) is playing.
- The period from when a CD-RW is inserted to when it begins playing is longer than a normal CD or CD-R.
- Completely read the instruction manual and cautions for CD-R/CD-RWs.
- Do not use discs with cellophane tape adhering, partially peeled off labels, or adhesive material exuding from the edges of the CD label. Also, do not use discs with a commercially-available CD-R label affixed. The disc may not eject resulting in a malfunction.

5-21

▼**Operating Tips for MP3**

NOTE

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via the Internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

- This audio system handles MP3 files that have been recorded on CD-R/CD-RW/CD-ROMs.
- When naming an MP3 file, be sure to add an MP3 file extension (.mp3) after the file name.
- The number of characters which can be displayed is restricted.

⚠ **CAUTION**

This unit can only play MP3 files that have an MP3 file extension (.mp3) attached. Do not attach an MP3 file extension to any other type file as it could cause noise to be emitted or a malfunction in the unit.

Specialized glossary

MP3

Abbreviation for "MPEG Audio Layer 3". A technical standard for audio compression as decided by the ISO[*1] MPEG working group. Use of MP3 allows for audio data to be compressed to approximately a tenth of the source data size.

*1 International Organization for Standardization

▼**Operating Tips for WMA**

WMA is short for Windows Media Audio and is the audio compression format used by Microsoft.
Audio data can be created and stored at a higher compression ratio than MP3.

- Microsoft and Windows Media are registered trademarks of Microsoft Corporation U.S. in the United States and other countries.

⚠ **CAUTION**

This unit plays files with the (.wma) file extension as a WMA file. Do not use the WMA file extension for files other than WMA files. Otherwise, it could result in noise or a malfunction.

- WMA files written under specifications other than the indicated specification may not play normally or files or folder names may not display correctly.
- The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension ".wma" to the end of the file name, and then write it to the disc.

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▼ Operating Tips for AAC

AAC stands for Advanced Audio Coding, which is standardized voice compression established by the ISO[1] working group (MPEG). Audio data can be created and stored at a higher compression ratio than MP3.

*1 International Organization for Standardization

⚠ CAUTION

This unit plays files with the file extension (.aac/.m4a/.mp4 [2]/.wav[2]) as an AAC file. Do not use the AAC file extension for files other than AAC files. Otherwise, it could result in noise or a malfunction.
2 Type B

- AAC files written under specifications other than the indicated specification may not play normally or files or folder names may not display correctly.
- The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension ".aac ", ".m4a", ".mp4[2]", or ".wav[2]" to the end of the file name, and then write it to the memory.
2 Type B

▼ Operating Tips for OGG

OGG is the audio compression format for Xiph. Org Foundation.
Audio data can be created and stored at a higher compression ratio than MP3.

⚠ CAUTION

This unit plays files with the (.ogg) file extension as a OGG file. Do not use the OGG file extension for files other than OGG files. Otherwise, it could result in noise or a malfunction.

- OGG files written under specifications other than the indicated specification may not play normally or files or folder names may not display correctly.
- The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension ".ogg" to the end of the file name, and then write it to the disc.

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▼ **Operating Tips for USB device**

This unit supports playback of MP3/
WMA/AAC/OGG[*1] files recorded to USB
device.

NOTE

- *Music data (MP3/WMA/AAC (.aac/.
  m4a/.mp4[*1]/.wav[*1])/OGG[*1] format)
  stored in a USB mass-storage class
  compliant device (such as USB flash
  memory) can be played.*
- *Playback may not be possible
  depending on the type and condition of
  the USB flash memory even if the audio
  file complies with the standard above.*
- *A copyright protected WMA/AAC file
  cannot be played in this unit.*
- *The order of the music data stored in
  the device may differ from the playback
  order.*
- *To prevent loss or damage of stored
  data, we recommend that you always
  back up your data.*
- *If a device exceeds the maximum
  electric current value of 1,000 mA,
  it may not operate or recharge when
  connected.*
- *Do not pull out the USB device while
  in the USB mode (only pull it out while
  in FM/AM radio or CD mode).*
- *The device will not operate if the data
  is password protected.*

  *1 Type B

⚠ CAUTION

- ➢ *This unit plays files with the file
  extension (mp3) as an MP3 file. Do not
  use the MP3 file extension for files other
  than MP3 files. Otherwise, it could result
  in noise or a malfunction.*
- ➢ *This unit plays files with the file
  extension (wma) as a WMA file. Do
  not use the WMA file extension for files
  other than WMA files. Otherwise, it
  could result in noise or a malfunction.*
- ➢ *This unit plays files with the file
  extension (.aac/.m4a/.mp4[*1]/.wav[*1])
  as an AAC file. Do not use the AAC file
  extension for files other than AAC files.
  Otherwise, it could result in noise or a
  malfunction.*
- ➢ *(Type B)
  This unit plays files with the file
  extension (ogg) as an OGG file. Do not
  use the OGG file extension for files other
  than OGG files. Otherwise, it could
  result in noise or a malfunction.*

  *1 Type B

- MP3/WMA/AAC/OGG[*1] files written
  under specifications other than the
  indicated specification may not play
  normally or files/folder names may not
  display correctly.
- The file extension may not be provided
  depending on the computer operating
  system, version, software, or settings. In
  this case, add the file extension ".mp3",
  ".wma", ".aac ", ".m4a", ".mp4[*1]",
  ".wav[*1]", or ".ogg[*1]" to the end of the file
  name, and then write it to the memory.

*1 Type B

▼**Operating Tips for iPod (Type A)**

This unit supports playback of music files recorded to an iPod.

• iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

The iPod may not be compatible depending on the model or OS version. In this case, an error message is displayed.

⚠ CAUTION

➢ *Remove the iPod when it is not in use. Because the iPod is not designed to withstand excessive changes in temperature inside the cabin, it could be damaged or the battery may deteriorate due to the excessive temperature or humidity inside the cabin if it is left in the vehicle.*
➢ *If data in the iPod is lost while it is connected to the unit, Mazda cannot guarantee recovery of any lost data.*
➢ *If the iPod battery is deteriorated, the iPod may not recharge and playback may not be possible when it is connected to the unit. Replace the iPod battery immediately.*
➢ *Be careful not to pinch the iPod connecting cable when opening/ closing the center console.*
➢ *For details on using the iPod, refer to the iPod instruction manual.*
➢ *When connecting the iPod to a USB port, all commands are made from the audio unit. iPod control is not possible.*

NOTE

The audio unit cannot display images or videos stored in an iPod.

Audio Set (Type A)

VOL

| 1 | 2 | 3 | 4 | 5 | 6 |

:00

TUNE / FM/AM / MEDIA / MENU / AUTO-M / FOLDER

H   M   CLOCK   SCAN

PUSH POWER

MEMO

▼**Power/Volume/Sound Controls**

Audio display

VOL

| 1 | 2 | 3 | 4 | 5 | 6 |

:00

I◄◄ TUNE ►►I / FM/AM   MEDIA

H   M   CLOCK   SCAN

MENU   AUTO-M   ▼FOLDER▲

PUSH POWER

Menu button

Power/Volume/Audio control dial

Power ON/OFF

Switch the ignition to ACC or ON. Press the power/volume dial to turn the audio system on. Press the power/volume dial again to turn the audio system off.

Volume adjustment

To adjust the volume, turn the power/volume dial. Turn the power/volume dial to the right to increase volume, to the left to decrease it.

Audio sound adjustment

1. Press the menu button (**MENU**) to select the function. The selected function will be indicated.

2. Turn the audio control dial to adjust the selected functions as follows:

Indication	Setting value	
	Turn Left	Turn Right
ALC(Automatic volume adjustment)	Level decrease	Level increase
BASS(Low pitch sound)	Decrease bass	Increase bass
TREB(Treble sound)	Decrease treble	Increase treble
FADE(Front/back volume balance)	Shift the sound to the front	Shift the sound to the rear
BAL(Left/right volume balance)	Shift the sound to the left	Shift the sound to the right
BEEP(Audio operation sound)	Off	On
BT SETUP*	Select mode	
12Hr < > 24Hr	12Hr (Flashing)	24Hr (Flashing)

• Depending on the model, this function may not be available.

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NOTE

*If not operated for several seconds, the display returns to the previous display. To reset bass, treble, fade, and balance, press the menu button (**MENU**) for 2 seconds. The unit will beep and "CLEAR" will be displayed.*

Automatic Level Control (ALC)

The automatic level control (ALC) changes the audio volume automatically according to the vehicle speed. The faster the vehicle speed, the higher the volume increases. ALC has ALC OFF and ALC LEVEL 1 to 7 modes. At ALC LEVEL 7, the amount that the volume can increase is at the maximum. Select the mode according to the driving conditions.

BT SETUP mode[*]

Music and other audio such as voice data recorded on portable audio devices and mobile phones available on the market which are equipped with the Bluetooth® transmission function can be listened to via wireless transmission over the vehicle's speakers. Using the BT SETUP mode, these devices can be programmed to the Bluetooth® unit or changed (page 5-79).

Time adjustment

Rotating the audio control dial switches the display between 12 and 24-hour clock time (page 5-30).

▼**Clock**

:00 button   Audio control dial   Audio display

Clock button   Menu button

Hour/Minute set switch

Setting the time

The clock can be set at any time when the ignition is switched to ACC or ON.

1. To adjust the time, press the clock button (**FM/AM**) for about 2 seconds until a beep is heard.
2. The clock's current time will flash.
   Time adjustment

   • To adjust the time, press the hour/minute set button (▶▶|, |◀◀) while the clock's current time is flashing.
   • The hours advance while the hour set button (|◀◀) is pressed. The minutes advance while the minute set button (▶▶|) is pressed.

3. Press the clock button (**FM/AM**) again to start the clock.

Time resetting

1. Press the clock button (**FM/AM**) for about 2 seconds until a beep is heard.
2. Press the :00 button (1).
3. When the button is pressed, the time will be reset as follows:
   (Example)
   12:01—12:29→12:00
   12:30—12:59→1:00

NOTE

• *When the :00 button (1) is pressed, the seconds will start at "00".*
• *Switching between 12 and 24-hour clock time:*
   *Press the menu button (**MENU**) several times until 12 and 24-hour clock time are displayed. Turn the audio control dial in either direction, select the desired clock setting while the preferred clock time is flashing.*

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MEMO

▼**Operating the Radio**

Audio display

Channel preset buttons

Tuning button | Scan button   Auto memory button
Band selector button

Radio ON

Press a band selector button (**FM/AM**) to turn the radio on.

Band selection

Successively pressing the band selector button (**FM/AM**) switches the bands as follows: FM1→FM2→AM.

The selected mode will be indicated.

NOTE

If the FM broadcast signal becomes weak, reception automatically changes from STEREO to MONO for reduced noise.

Tuning

The radio has the following tuning methods: Manual, Seek, Scan, Preset channel, and Auto memory tuning. The easiest way to tune stations is to set them on preset channels.

NOTE

If the power supply is interrupted (fuse blows or the battery is disconnected), the preset channels will be erased.

Manual tuning

Select the station by pressing the tuning button (▶▶l, l◀◀) lightly.

Seek tuning

Automatic search for radio stations starts when the tuning button (▶▶l, l◀◀) is pressed until a beep sound is heard. The search stops when a station is found.

NOTE

If you continue to press and hold the button, the frequency will continue changing without stopping.

Scan tuning

Press and hold the scan button (**MEDIA**) to automatically sample strong stations. Scanning stops at each station for about 5 seconds. To hold a station, press and hold the scan button (**MEDIA**) again during this interval.

Preset channel tuning

The 6 preset channels can be used to store 6 AM and 12 FM stations.

1. To set a channel first select AM, FM1, or FM2. Tune to the desired station.
2. Press a channel preset button for about 2 seconds until a beep is heard. The preset channel number or station frequency will be displayed. The station is now held in the memory.

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3. Repeat this operation for the other stations and bands you want to store. To tune one in the memory, select AM, FM1, or FM2 and then press its channel preset button. The station frequency or the channel number will be displayed.

Auto memory tuning

This is especially useful when driving in an area where the local stations are not known.

Press and hold the auto memory button (**AUTO-M**) for about 2 seconds until a beep is heard; the system will automatically scan and temporarily store up to 6 stations with the strongest frequencies in each selected band in that area.

After scanning is completed, the station with the strongest frequency will be tuned and its frequency displayed. Press and release the auto memory button (**AUTO-M**) to recall stations from the auto-stored stations. One stored station will be selected each time and its frequency and channel number will be displayed.

NOTE
If no stations can be tuned after scanning operations, "A" will be displayed.

▼Operating the Compact Disc (CD) Player*

Repeat button   Text button   Play/Pause button
Random button   Audio display

```
1  2  3    VOL    4  5  6
:00
K◄ TUNE ►►H / H M    FM/AM  MEDIA    MENU  AUTO-M  ▼FOLDER▲
                CLOCK  SCAN    PUSH POWER
```

Track down/ Reverse button
Track up/ Fast-forward button
Media/Scan button
Folder up button
Folder down button

CD eject button   CD slot

Type	Playable data
Music/MP3/WMA/ AAC CD player	• Music data (CD-DA) • MP3/WMA/AAC file

NOTE
If a disc has both music data (CD-DA) and MP3/WMA/AAC files, playback of the two or three file types differs depending on how the disc was recorded.

Inserting the CD
Insert the CD into the slot, label-side up. The auto-loading mechanism will set the CD and begin play.

NOTE
There will be a short lapse before play begins while the player reads the digital signals on the CD.

Ejecting the CD
Press the CD eject button (▲) to eject the CD.

Playback
Press the media button (**MEDIA**) to switch to CD mode and start playback.

NOTE
The CD mode cannot be selected if a CD has not been inserted.

Pause
To stop playback, press the Play/Pause button (4).
Press the button again to resume playback.

Fast-forward/Reverse
Press and hold the fast-forward button (►►I) to advance through a track at high speed.
Press and hold the reverse button (I◄◄) to reverse through a track at high speed.

Track search

Press the track up button (▶▶|) once to skip forward to the beginning of the next track. Press the track down button (|◀◀) within a few seconds after playback begins to track down to the beginning of the previous track.
Press the track down button (|◀◀) after a few seconds have elapsed to start playback from the beginning of the current track.

Folder search (during MP3/WMA/AAC CD playback)

To change to the previous folder, press the folder down button (▼), or press the folder up button (▲) to advance to the next folder.

Music scan

During music CD playback

This function scans the titles on a CD and plays 10 seconds of each song to aid you in finding a song you want to listen to. Press and hold the scan button (**MEDIA**) during playback to start the scan play operation (the track number will flash). Press and hold the scan button (**MEDIA**) again to cancel scan playback.

During MP3/WMA/AAC CD playback

This function scans the titles in a folder currently being played and plays 10 seconds of each song to aid you in finding a song you want to listen to. Press and hold the scan button (**MEDIA**) during playback to start the scan play operation (the track number will flash).
Press and hold the scan button (**MEDIA**) again to cancel scan playback.

NOTE

If the unit is left in scan, normal playback will resume where scan was selected.

Repeat playback

During music CD playback

1. Press the repeat button (1) during playback to play the current track repeatedly. "TRACK RPT" is displayed.
2. Press the button again to cancel the repeat playback.

During MP3/WMA/AAC CD playback

(Track repeat)

1. Press the repeat button (1) during playback to play the current track repeatedly. "TRACK RPT" is displayed.
2. To cancel the repeat playback, press the button again after 3 seconds.

(Folder repeat)

1. Press the repeat button (1) during playback, and then press the button again within 3 seconds to play the tracks in the current folder repeatedly. "FOLDER RPT" is displayed.
2. Press the button again to cancel the repeat playback.

Random playback

Tracks are randomly selected and played.

During music CD playback

1. Press the random button (2) during playback to play the tracks on the CD randomly. "DISC RDM" is displayed.
2. Press the button again to cancel the random playback.

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During MP3/WMA/AAC CD playback

(Folder random)

1. Press the random button (2) during playback to play the tracks in the folder randomly. "FOLDER RDM" is displayed.
2. To cancel the random playback, press the button again after 3 seconds.

(CD random)

1. Press the random button (2) during playback, and then press the button again within 3 seconds to play the tracks on the CD randomly. "DISC RDM" is displayed.
2. Press the button again to cancel the random playback.

Switching the display

For files with a file name and other information that have been input, the display switches between display of the file name and other information each time the text button (3) is pressed during playback.

Music CD

Track number/Elapsed time

Track number

3

Track name*

Album name*

Artist name*

* Depending on the CD, this information may not available.

MP3/WMA/AAC CD

File number/Elapsed time

Folder number/File number

File name

3

Folder name

Album name

Song name

Artist name

NOTE

- *The information viewable in the display is only CD information (such as artist name, song title) which has been recorded to the CD.*
- *This unit cannot display some characters. Characters which cannot be displayed are indicated by an asterisk (✱).*

Display scroll

Only 13 characters can be displayed at one time. To display the rest of the characters of a long title, press and hold the text button (3). The display scrolls the next 13 characters. Press and hold the text button (3) again after the last 13 characters have been displayed to return to the beginning of the title.

NOTE

The number of characters which can be displayed is restricted.

Message display

If "CHECK CD" is displayed, it means that there is some CD malfunction. Check the CD for damage, dirt, or smudges, and then properly reinsert. If the message appears again, take the unit to an Authorized Mazda Dealer for service.

▼**How to use Auxiliary jack/USB port**

Audio can be heard from the vehicle's speakers by connecting a commercially-available portable audio unit to the auxiliary jack.
Use a commercially-available, non-impedance (3.5ϕ) stereo mini plug cable. Contact an Authorized Mazda Dealer for details.
In addition, audio can be played from the vehicle audio device by connecting a USB device or an iPod to the USB port.

▼**Error Indications**

If you see an error indication on the audio display, find the cause in the chart. If you cannot clear the error indication, take the vehicle to an Authorized Mazda Dealer.

Indication	Cause	Solution
CHECK CD	CD is inserted upside down	Insert the CD properly. If the error indication continues to display, consult an Authorized Mazda Dealer.
	CD is defective	Insert another CD properly. If the error indication continues to display, consult an Authorized Mazda Dealer.

Audio Set (Type B)

Audio Set (Type B) has three different human interfaces.
- Commander with switches
- Touch panel
- Voice recognition with steering switch and microphone

Commander and switch operation

Volume dial

NOTE

For safety reasons, some operations are disabled while the vehicle is driven.

Volume dial operation

Press the ᴾᵁˢʰ⋈ dial to switch the audio MUTE on and off.
Turn the ᴾᵁˢʰ⋈ dial to adjust the volume. The volume increases by turning the dial clockwise, and decreases by turning it counter clockwise.

Switches around commander knob

⌂ : Displays the home screen.
♫ : Displays the audio screen.
NAV : Displays the navigation screen. (Only navigation-equipped vehicles)
★ : Displays the Favorites screen. Long-press to store particular items in Favorites.
↰ : Returns to previous screen.

Commander knob operation

(Selection of icons on screen)

1. Tilt or turn the commander knob and move the cursor to the desired icon.
2. Press the commander knob and select the icon.

NOTE

Long-press operation of the commander knob is also possible for some functions.

Touch panel operation

> ⚠ **CAUTION**

> *Do not press the screen strongly or press it with a sharp-pointed object. Otherwise, the screen could be damaged.*

NOTE

For safety reasons, touch panel operation is disabled while the vehicle is driven.

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▼**Basic Operation Method**

TOUCH & TAP

1. Touch the item indicated in the audio display.
2. The operation is launched and the next item is displayed.

SLIDE

1. Touch the setting item displaying a slider bar.
2. Slide your finger in the desired direction.
3. Release your finger, and the value is changed accordingly.

SWIPE

1. Touch the item displaying a slider bar.
2. Swipe your finger in the desired direction.

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Return to previous screen

1. Touch the ◁ icon.

Displaying the home screen

1. Touch the ⌂ icon.

▼Home screen

Icon	Function
(A)	**Applications** Information such as average fuel economy, maintenance, and warnings can be verified.
(♪)	**Audio** Operates audio such as the radio and CDs. The audio source most recently used is displayed. An audio source which cannot be used at that time is skipped and the previous audio source is displayed. To change the audio source, select the ♪ icon again.
(☎)	**Communication** Bluetooth® related functions are available.
(NAV)	**Navigation (vehicles with navigation system)** Navigation screen is displayed.
(⚙)	**Settings** Overall setting menu (Such as ADD, display, sound, safety, Bluetooth®, Wi-Fi™ and Language).

▼ Volume/Display/Sound Controls

Commander switch   Volume dial   **Audio control switch**

Volume switch

Volume adjustment

Turn the commander switch ᴾᵁˢʰ🔇 dial. The volume switch on the steering switch can also be pressed.

Display setting

Select the ⚙ icon on the home screen and display the settings screen.
Select the Display tab to select the item you would like to change.

Display OFF/Clock

The audio display can be turned off. Select the Off icon to turn the display off.
When the Clock icon is selected the audio display turns off and the clock is displayed.
The audio display can be turned back on as follows:

• Touch the audio display.
• Operate the commander switch.

Daytime/nighttime screen setting[*1]

The daytime or nighttime screen can be selected.
Auto : Switches screen automatically according to headlight illumination condition
Day : Daytime screen setting
Night : Nighttime screen setting

Brightness adjustment

Adjust the audio display brightness using the slider.

Contrast adjustment

Adjust the audio display contrast using the slider.

Display setting reset

All of the screen setting values can be reset to their initial settings.

1. Select the Reset icon.
2. Select the Yes icon.

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Audio sound adjustment

Select the ⚙ icon on the home screen and display the settings screen.
Select the ⎡Sound⎤ tab to select the item you would like to change.

Indication	Setting value
Bass (Low pitch sound)	**+** Side: Low pitch enhancement **−** Side: Low pitch reduction
Treble (Treble sound)	**+** Side: Treble enhancement **−** Side: Treble reduction
Fade (Front/back volume balance)	Back: Front speaker volume reduction Front: Rear speaker volume reduction
Balance (Left/right volume balance)	Right: Left side volume reduction Left: Right side volume reduction
Auto Level Control[1] (Automatic volume adjustment)	Off—Adjustment at seven levels
Centerpoint[2] (Automatic surround level adjustment)	On/Off
AudioPilot[2] (Automatic volume adjustment)	On/Off
Beep (Audio operation sound)	On/Off

[1] Standard audio
[2] Bose® Sound System

Automatic Level Control (ALC)
The automatic level control is a feature that automatically adjusts audio volume and sound quality according to the vehicle speed. The volume increases in accordance with the increase in vehicle speed, and decreases as vehicle speed decreases.

AudioPilot® 2[3]
When driving, background noise can interfere with enjoying music.
AudioPilot® 2 noise compensation technology continuously adjusts the music to compensate for background noise and vehicle speed.
It reacts only to sustained noise sources and not intermittent ones, such as speed bumps.
An enhanced DSP algorithm allows faster and more effective compensation for unusual situations, such as driving on a very rough road or at high speeds.
[3] AudioPilot® 2 is a registered trademark of Bose Corporation.

Centerpoint®2[4]
Centerpoint® 2 lets vehicle owners enjoy a Bose® surround sound experience from their existing CDs, MP3s and satellite radio.
Specifically engineered to meet the unique demands of reproducing surround sound in a vehicle.
Converts stereo signals to multiple channels allowing greater precision when reproducing the sound.
An enhanced algorithm to simultaneously create a wider, more spacious sound field.
[4] Centerpoint®2 is a registered trademark of Bose Corporation.

▼Operating the Radio

Radio ON

Select the 🎵 icon on the home screen and display the Audio screen. When selecting the desired radio, the following icons are indicated in the lower part of the audio display.
AM/FM Radio

Icon	Function
🎵	Displays the Audio menu. Use to switch to a different audio source.
📶	Displays the station list. Select the ⎡Update Station List⎤ icon to display the frequencies of up to ten radio stations on the auto memory preset list. Select the desired frequency.
★	Displays the Favorites list. Long-press to store radio stations currently being aired.
HD)	Switches the HD Radio on and off. Displays the multi-cast channel list of the HD Radio.
📶	You can search for receivable radio stations. Scanning stops at each station for about five seconds. Select again to continue receiving the radio station.
📶	Manual radio station selection. Select the tuner and rotate the commander knob or drag the display, or touch the radio frequency. Press ▶ or ◀ to select a radio station automatically. When ▶ or ◀ is long-pressed, the radio frequency changes continually. It stops when you remove your hand from the icon or the commander knob.
🏷	Launches the iTunes Tagging function (for Apple devices with USB use only). Can be used when the HD Radio is on.
⏮	Automatic radio station selection. When long-pressed, the radio frequency changes continually. It stops when you remove your hand from the icon or the commander knob.
⏭	
▮▮	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

Favorites Radio

Selected stations can be registered for convenient operation. Up to 50 stations can be registered. The Favorites list is common to AM, FM, and satellite radio.

Registering to Favorites

Long-press the ★ icon to register the current radio station. The registration can also be performed using the following procedure.

1. Select the ★ icon to display the Favorites list.
2. Select the [Add/Edit Radio Favorite] icon.
3. Select the [Add <active station>] icon.
4. The station is added to the bottom of the Favorites list.

NOTE

If the battery is disconnected, your Favorites list will be not deleted.

Selecting radio station from Favorites

1. Select the ★ icon to display the Favorites list.
2. Select the radio station name or radio frequency to tune in the radio station.

Deleting from Favorites

1. Select the ★ icon to display the Favorites list.
2. Select the [Add/Edit Radio Favorite] icon.
3. Select the [Delete] icon.
4. Select the radio station or radio frequency you want to delete.
5. Select the [Delete] icon.

Changing Favorites list order

1. Select the ★ icon to display the Favorites list.
2. Select the [Add/Edit Radio Favorite] icon.
3. Select the [Move] icon.

4. Select a radio station or radio frequency. The selected radio station can be moved.
5. Move the radio station then select the [OK] icon.

Radio Broadcast Data System (RBDS)

Radio text information display

Radio text information sent from a broadcasting station is displayed in the audio display.

NOTE

Radio text information is a function of FM radio. Text information is not displayed in the following:

- *During HD Radio reception*
- *Not an RBDS broadcast*
- *During HD reception*
- *RBDS broadcast, but radio text is not transmitted from the radio station*

Genre Seek

Some FM stations transmit Genre codes (Program type like a Rock, News, and so on). This code enables alternative stations transmitting the same Genre code to be found quickly. To select from the genre list, select the [Genre Seek] icon while in the FM mode and the desired Genre Seek.

(To scan for Genre Seek:)

1. Select the genre type you want to select.
2. Select the ◄◄, ►► icon.

NOTE

To change the desired genre, select the ♮ icon.

Ex.)
89.3 is currently being received. With
Rock selected as the Genre, the radio
stations broadcasting Rock are at the
following frequencies.
98.3*1, 98.7, 104.3*1, 107.1

*1 Radio stations with good reception

The frequency changes as follows each
time the [Genre Seek] icon is pressed.
89.3→98.3→104.3→98.3

NOTE
- *Only one Genre can be selected.*
- *It may not be possible to receive any
  station even if the Genre Seek function
  is used.*
- *If a program in the selected genre is
  not broadcast to a region, reception
  is not possible even if the Genre Seek
  function is used.*
- *The Genre Seek function searches for
  genre code (program type) which FM
  analog broadcasts transmit.* HD Radio
  *specialty programs (HD2-HD8) cannot
  be searched because they are not FM
  analog broadcasts.*
- *If radio stations which are selected by
  scanning using the Genre Seek function
  are* HD Radio *broadcasting stations,
  they are changed from analog
  broadcasts to* HD Radio *broadcasts
  after a few seconds if the reception
  conditions are good. The genre is
  displayed after the switch, however, the
  genre for FM analog broadcasts may
  differ.*

HD Radio

**What is HD Radio™ Technology and
how does it work?**
HD Radio™ Technology is the digital
evolution of analog AM/FM radio. Your
radio product has a special receiver which
allows it to receive digital broadcasts
(where available) in addition to the analog
broadcasts it already receives. Digital
broadcasts have better sound quality than
analog broadcasts as digital broadcasts
provide free, crystal clear audio. For more
information, and a guide to available radio
stations and programming, please visit
www.hdradio.com.

**Benefits of HD Radio™ Technology
(Information)**
The song title, artist name, album name
and genre will appear on the screen when
available by the radio station.
(Multicast)
On the FM radio frequency most digital
stations have "multiple" or supplemental
programs on each FM station.

Listening to HD Radio™ Technology
If ᴴᴰ icon turns on by selecting a radio
station which is an HD Radio broadcasting
station, the analog broadcast is switched to
an HD Radio broadcast automatically after
a few seconds and then received.
If the HD Radio broadcast is stopped and
changed to an analog broadcast, press
down ᴴᴰ to turn off ᴴᴰ.

Multicast channel selection (FM)
If multi-cast channels are available for an
HD Radio broadcast currently being
received, the multi-cast channel list is
displayed. Select the desired radio station.

NOTE

- *If an analog broadcast is received once and* HD Radio *is received while HD1 is selected, the audio unit switches to the* HD Radio *station automatically.*
- *When the* ᴴᴰ *icon is illuminated, there could be a noticeable difference in sound quality and volume when a change from digital to analog signals occurs. If the sound quality and volume become noticeably diminished or cut off, select the* ᴴᴰ *icon to turn off* HD Radio *(*ᴴᴰ *icon is not illuminated).*
- *Once an analog broadcast is received when HD1 is selected from the Favorite channels, it is switched to* HD Radio *automatically. If the radio reception conditions are poor, or HD is off, switching to* HD Radio *broadcasts is not possible.*
- *When an HD specialty channel (HD2 to HD8) is selected from the Favorite channels, "Signal Lost" is displayed and no audio is output until* HD Radio *is received. If the radio reception conditions are poor, "Signal Lost" continues to be displayed.*
- *If the* ᴴᴰ *icon is not illuminated, information such as song titles of the* HD Radio *station are received, however, the audio output is analog.*

iTunes Tagging (for Apple devices with USB use only)

By tagging a song currently being aired, the song can be easily purchased from the iTunes Store. Up to 100 tags can be stored.

1. Select the ❦ icon. The tag is stored in the audio unit.
2. Connect the device via USB. The tag is sent to the connected device automatically.
3. Synchronize the device with iTunes. The tagged song can now be purchased from the iTunes Store.

NOTE

- *Both AM and FM* HD Radio *can be used.*
- *Because iTunes Tagging only supports purchasing from the iTunes Store, direct downloading from the equipped vehicle audio is not possible.*
- *If the available memory for the connected device is insufficient, the tag is not sent.*
- *If an error occurs while the tag is being sent, reconnect the device.*

▼**Operating the Satellite Radio**[*]

What is satellite radio?

With over 130 channels, SiriusXM Satellite Radio brings you more of what you love. Get channels and channels of commercial-free music, plus sports, news, talk, entertainment and more.
Commercial-free music from nearly every genre —rock to pop, hip-hop to country, jazz, classical and more. Plus live performances and artist-dedicated channels.
Live sports Play-by-Play & Expert Talk —every NFL game, every NASCAR® race, 24/7 sports talk, college sports and more.
Exclusive entertainment, comedy and talk —The biggest names, compelling talk, hilarious comedy.
World-class news plus local traffic and weather.
Sign up for SiriusXM Satellite Radio today!

NOTE

- *To listen to SiriusXM, a prior subscription (fee-based) is required.*
- *The channels which you can receive depend on the package you subscribe to.*
- *Satellite radio is broadcast as SiriusXM in the U.S.A., and Sirius and XM in Canada. In this owner's manual, only the name SiriusXM is used.*
- *For traffic and weather channels, map information is not displayed and only audio broadcasts can be received.*

- *Call 888-539-7474 to activate. For more information, visit www.siriusxm.com. Satellite radio is only available in regions providing satellite radio service (some areas of the United States and Canada). Contact Authorized Mazda Dealer for details.*

How to Activate Satellite Radio

You must call SiriusXM to activate your service. Activation is free and takes only a few minutes.
SiriusXM service uses an ID code to identify your radio. This code is needed to activate SiriusXM service, and report any problems.

Please have the following information ready:

- Radio ID (8-digit electronic serial no - See below for how to find your ESN)
- Valid credit card information (may not be required at initial sign-up)

Be sure you are parked outside with a clear view of open sky, you will be instructed to turn on your radio (in SiriusXM mode and tuned to channel 184 (U.S.A. and Canada Sirius)/1 (Canada XM)). Activation typically takes only 2—5 minutes.

Displaying the Radio ID (ESN)

When channel 0 is selected, the radio ID is displayed.

SiriusXM operation

Select the 🎵 icon on the home screen to display the Audio screen. When XM icon is selected, the following icons are indicated in the bottom part of the audio display.

Icon	Function
🎵	Displays the Audio menu. Use to switch to a different audio source.
☰	Displays the channel list of the current category.
★	Displays the favorites list. Long-press to store the channel currently being aired. Refer to Operating the Radio on page 5-44.
🔒	Indicates that the parental lock function is in use. Switching of Lock/Unlock and PIN code setting changes can be performed.
📶	Plays each channel in the current channel list for 5 seconds. Select again to continue receiving the channel.
⏮	Plays the previous channel.
⏭	Plays the next channel.
📊	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

Selection from channel list

Receivable channels can be displayed on the channel list screen. You can easily select the channel you want to listen from the list. Each category can be also displayed.

1. Select the ☰ icon to display the channel list.
2. Select a desired channel.

(Select from category list)

1. Select the ☰ icon to display the channel list.
2. Select the Category: icon to display the category list.
3. Select a desired category.

### <u>Parental lock</u>

If a channel is locked, the channel is muted.

To use the parental lock function, the PIN code must be initialized first.
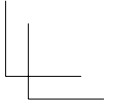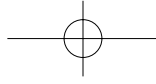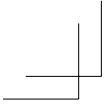
By using the session lock, the parental lock can be enabled or disabled during the current drive cycle (from when the ignition is switched on to switched off). When the session lock is on, the parental lock is available. When the session lock is off, the parental lock is temporarily cancelled. When canceling the parental lock or session lock, or when changing the PIN code, PIN code input is required.
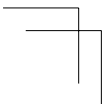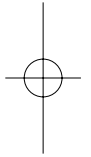
PIN code reset

If the registered code has been forgotten, reset the code to the default [0000] code.

1. Select the ⊕ icon.
2. If the selected channel is locked, input the PIN code to cancel the parental lock temporarily.
3. Select the Reset PIN Code icon
4. Input the default code [0000] using the number buttons.
5. Select the OK icon.
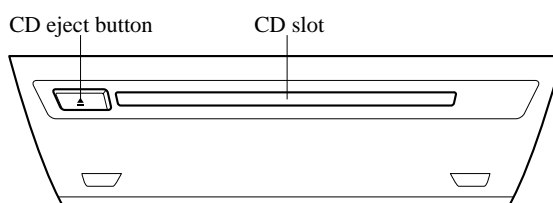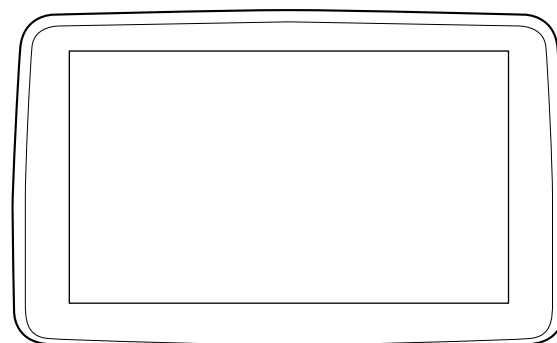6. Input the new PIN code using the number buttons.
7. Select the OK icon.

MEMO

▼**Operating the Compact Disc (CD) Player**

CD eject button   CD slot

Type	Playable data
Music/MP3/WMA/ AAC CD player	• Music data (CD-DA) • MP3/WMA/AAC file

NOTE

If a disc has both music data (CD-DA) and MP3/WMA/AAC files, playback of the two or three file types differs depending on how the disc was recorded.

Inserting the CD

Insert the CD into the slot, label-side up. The auto-loading mechanism will set the CD and begin play.

NOTE

There will be a short lapse before play begins while the player reads the digital signals on the CD.

Ejecting the CD

Press the CD eject button (⏏) to eject the CD.

5-52

Playback

Select the 🎵 icon on the home screen with a CD inserted and display the Audio screen.
When the CD icon is selected, the following icons are indicated in the lower part of the
audio display.

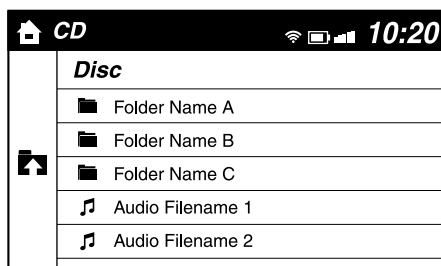| Icon	Function
🎵	Displays the Audio menu. Use to switch to a different audio source.
☰	**(Music CD)** Displays the track list of the CD. Select the track you want to play. **(MP3/WMA/AAC CD)** Displays the top level folder/file list. Select the folder you want to select. The files in the selected folder are displayed. Select the file you want to play.
📁	**(MP3/WMA/ACC CDs only)** Displays the file list of the folder currently being played. Select the song you want to listen to.
🔁	**(Music CD)** Replays the song currently being played repeatedly. Select it again to cancel. **(MP3/WMA/AAC CD)** Replays the song currently being played repeatedly. When selected again, the songs in the folder are played repeatedly. Select it again to cancel.
🔀	**(Music CD)** Plays songs on the CD in random order. Select it again to cancel. **(MP3/WMA/AAC CD)** Plays songs in the folder in random order. When selected again, the songs on the CD are played in random order. Select it again to cancel.
📶	**(Music CD)** The beginning of each track on a CD is played to aid in searching for a desired track. When selected again, the operation is canceled and the song currently being played continues. **(MP3/WMA/AAC CD)** The beginning of each track in a folder is played to aid in searching for a desired track. When selected again, the operation is canceled and the song currently being played continues.
⏮	If selected within a few seconds of a song which has started to play, the previous song is selected. If more than a few seconds have elapsed after a song has begun to play, the song currently being played is replayed from the beginning. Long-press to fast reverse. It stops when you remove your hand from the icon or the commander knob.

5-53

Icon	Function
▶❙❙	Plays a CD. When selected again, playback is temporarily stopped.
▶▶❙	Advances to the beginning of the next song. Long-press to fast forward. It stops when you remove your hand from the icon or the commander knob.
(bars icon)	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

Example of use (When searching for a song from the top level of an MP3/ WMA/AAC CD)

1. Select the ▤ icon and display the folder/file list at the top level.

```
🏠 CD              📶 🔋 📊 10:20
┌─────────────────────────────────┐
│  Disc                           │
│  📁  Folder Name A              │
│  📁  Folder Name B              │
│  📁  Folder Name C              │
│  ♫  Audio Filename 1           │
│  ♫  Audio Filename 2           │
└─────────────────────────────────┘
```

2. When the folder is selected, folders/file lists in the folder are displayed.
3. Select the desired song.

NOTE

- *Select the ↰ icon to move to a folder one level higher.*
- *The appearance of the repeat and shuffle icons changes depending on the type of operation in which the function is used.*
- *If the audio is operated during scan-play, the track being scan-played is played normally. Then, the audio operation is performed.*

▼ **How to use Auxiliary jack/USB port**

Audio can be heard from the vehicle's speakers by connecting a commercially-available portable audio unit to the auxiliary jack.
Use a commercially-available, non-impedance (3.5ϕ) stereo mini plug cable.
Contact an Authorized Mazda Dealer for details.
In addition, audio can be played from the vehicle audio device by connecting a USB device or an iPod to the USB port.
Refer to AUX/USB/iPod on page 5-58.

▼**Settings**

Select the ❂ icon on the home screen and display the Settings screen.
Switch the tab and select the setting item you want to change.
You can customize settings in the setup display as follows:

Tab	Item	Function
ADD	Height Brightness Control Other	Refer to Active Driving Display (ADD) on page 4-18.
Display	Refer to Volume/Display/Sound Controls on page 5-42.	
Safety	Smart City Brake Support Rear View Monitoring Volume Blind Spot Monitoring Volume Other	Refer to Smart City Brake Support (SCBS) on page 4-66. Refer to Rear View Monitor on page 4-106. Refer to Blind Spot Monitoring (BSM) System on page 4-91. Refer to Lane Departure Warning System (LDWS) on page 4-100.
Sound	Refer to Volume/Display/Sound Controls on page 5-42.	
Vehicle	Rain Sensing Wiper Door Lock Other	Refer to Windshield Wipers on page 4-52. Refer to Auto Lock/Unlock Function on page 3-17. Refer to Transmitter on page 3-4. Refer to Locking, Unlocking with Request Switch, Door Handle (With the advanced keyless function) on page 3-13. Refer to Turn and Lane-Change Signals on page 4-50. Refer to Illuminated Entry System on page 5-138. Refer to High Beam Control System (HBC) on page 4-47. Refer to Lights-On Reminder on page 7-35. Refer to Headlights on page 4-40. Refer to Daytime Running Lights on page 4-46.
Devices	Bluetooth	Refer to Bluetooth® Preparation (Type B) on page 5-93.
	Network Management	Wi-Fi™ is used to obtain Navi POI/Real Time Traffic function (Such as gas prices, weather, nearest restaurant)

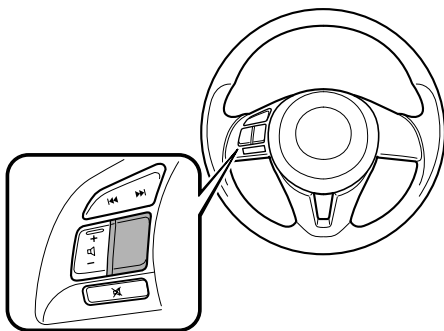| Tab	Item		Function
System	Clock	Adjust Time	Displays the currently set time is displayed. Press ✚ to advance the hour/minute, and select ▬ to move the hour/minute back. AM/PM can only be selected with the 12-hour clock display.
		GPS Sync	When ON is selected, "Adjust Time" and "Time Zone Select" are disabled.
		Time Format	Changes the display between 12 and 24-hour clock time.
		Time Zone Select	Selects the time zone.
	Language		Changes the language.
	Temp		Changes the setting between Fahrenheit and Celsius.
	Distance		Changes the setting between miles and kilometers.
	Music Database Update		Used to update Gracenote. Gracenote is used with USB Audio, and provides: 1.Supplemental music information (Such as song name, artist name) 2.Voice recognition assistance for Play Artist and Play Album Gracenote can be downloaded from the Mazda Handsfree Website.
	Factory Reset		Memory and settings other than sound and language are initialized to the factory settings. The initialization launches by selecting the Yes icon.
	Agreements and Disclaimers		Verify the disclaimer and agree.
	About		Can verify the current audio unit OS version and Gracenote Database version.

▼ **Applications**

Select the ⊚ icon on the home screen to display the Applications screen. The following information can be verified.

Top screen	Item	Function
Fuel Economy Monitor	Fuel Consumption Control Status (Vehicles with i-ELOOP) Settings	Refer to Fuel Economy Monitor on page 4-80.
Maintenance	Scheduled Maintenance Tire Rotation Oil Change	Refer to Maintenance Monitor (Type A) on page 6-13.
HD Traffic Image	—	—
Warning Guidance	Warnings currently being activated can be verified.	Refer to If a Warning Light Turns On or Flashes on page 7-24.

Audio Control Switch Operation*

Without Bluetooth® Hands-Free

With Bluetooth® Hands-Free

▼ **Adjusting the Volume**

To increase the volume, press up the volume switch (**+**).
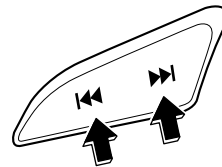To decrease the volume, press down the volume switch (**−**).

▼ **Seek Switch**

AM/FM radio

Press the seek switch (▶▶┃, ┃◀◀). The radio switches to the next/previous stored station in the order that it was stored.
Press and hold the seek switch (▶▶┃, ┃◀◀) to seek all usable stations at a higher or lower frequency whether programmed or not.

Radio stations which have been previously stored in the auto memory tuning (Type A)/favorite radio (Type B) can be called up by pressing the seek switch (▶▶┃, ┃◀◀) while any radio station stored in the auto memory tuning (Type A)/favorite radio (Type B) is being received. Radio stations can be called up in the order they were stored with each press of the switch (▶▶┃, ┃◀◀).

USB Audio/Bluetooth® Audio/CD

Press the seek switch (▶▶|) to skip forward to the beginning of the next track.
Press the seek switch (|◀◀) within a few seconds after playback begins to track down to the beginning of the previous track.
Press the seek switch (|◀◀) after a few seconds have elapsed to start playback from the beginning of the current track.
Press and hold the seek switch (▶▶|, |◀◀) to continuously switch the tracks up or down.

Pandora®/Stitcher™ Radio *1

Press the seek switch (▶▶|) to skip forward to the beginning of the next track. (Pandora® only)
Long-press the seek switch (▶▶|, |◀◀) to evaluate the playback of the current song as "Thumbs-Up/Thumbs-Down".
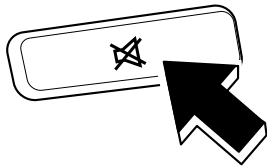*1 Type B

▼ Mute Switch*

Press the mute switch (⊿) once to mute audio, press it again to resume audio output.

NOTE

If the ignition is switched off with the audio muted, the mute will be canceled. Therefore, when the engine is restarted, the audio is not muted. To mute the audio again, press the mute switch (⊿).

AUX/USB/iPod mode

Audio can be heard from the vehicle's speakers by connecting a commercially-available portable audio unit to the auxiliary jack.
A commercially-available, non-impedance (3.5φ) stereo mini plug cable is required. Contact an Authorized Mazda Dealer for details.
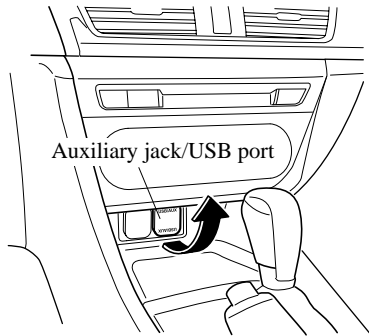In addition, audio can be played from the vehicle audio device by connecting a USB device or an iPod to the USB port.
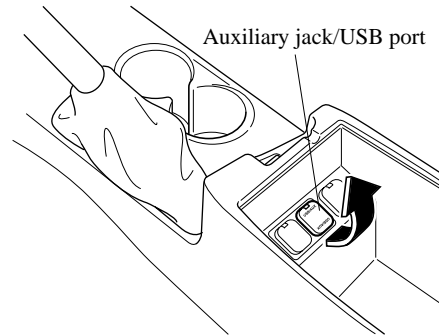
NOTE

(Type B)
The SD card slot is for the navigation system. For vehicles with the navigation system, the SD card (Mazda genuine) with stored map data is inserted into the SD card slot and used.
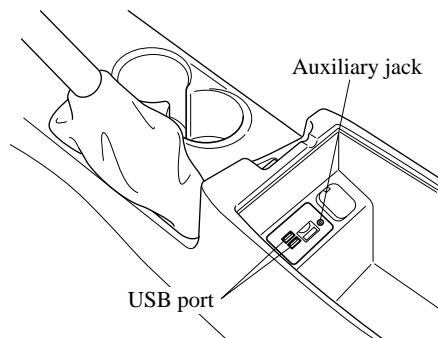
Type A (Without CD player)

Auxiliary jack/USB port

Type A (With CD player)

Auxiliary jack/USB port

Type B

Auxiliary jack

USB port

⚠ WARNING

Do not adjust the portable audio unit or a similar product while driving the vehicle:

> *Adjusting the portable audio unit or a similar product while driving the vehicle is dangerous as it could distract your attention from the vehicle operation which could lead to a serious accident. Always adjust the portable audio unit or a similar product while the vehicle is stopped.*
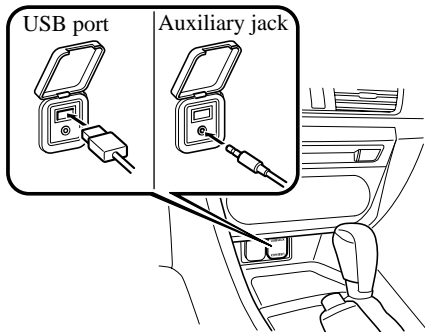
⚠ CAUTION

➤ Always close the auxiliary jack/USB port lid when it is not in use. If foreign matter or liquid penetrates the auxiliary jack/USB port, it may cause a malfunction.

➤ Depending on the portable audio device, noise may occur when the device is connected to the vehicle accessory socket. (If noise occurs, do not use the accessory socket.)

NOTE

- *This mode may not be usable depending on the portable audio device to be connected.*
- *Before using the auxiliary jack/USB port, refer to the instruction manual for the portable audio device.*
- *Use a commercially-available, non-impedance (3.5ϕ) stereo mini plug for connecting the portable audio unit to the auxiliary jack. Before using the auxiliary jack, read the manufacturer's instructions for connecting a portable audio unit to the auxiliary jack.*
- *To prevent discharging of the battery, do not use the auxiliary input for long periods with the engine off or idling.*
- *When connecting a device to the auxiliary jack or USB port, noise may occur depending on the connected device. If the device is connected to the vehicle's accessory socket, the noise can be reduced by unplugging it from the accessory socket.*
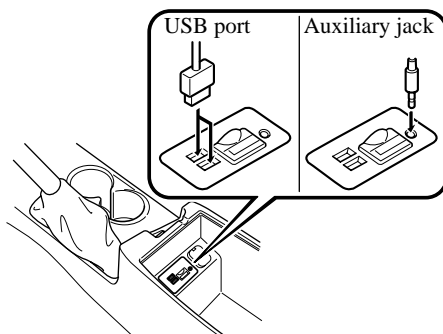
▼**How to connect USB port/ Auxiliary jack**

Type A (Without CD player)

Type A (With CD player)

Type B

Connecting a device

1. Open the console lid (with CD player).
2. If there is a cover on the AUX jack or USB port, remove the cover.
3. Connect the connector on the device to the USB port.

Connecting with a connector cable

1. Open the console lid (with CD player).
2. If there is a cover on the AUX jack or USB port, remove the cover.
3. Connect the device plug/connector cable to the auxiliary jack/USB port. For vehicles with a CD player, pass the device plug/connector cable through the notch in the console and connect.

⚠ **WARNING**

Do not allow the connection plug cord to get tangled with the parking brake or the shift lever:

> *Allowing the plug cord to become tangled with the parking brake or the shift lever is dangerous as it could interfere with driving, resulting in an accident.*

⚠ **CAUTION**

> *Do not place objects or apply force to the auxiliary jack/USB port with the plug connected.*

NOTE

- *Insert the plug into the auxiliary jack/ USB port securely.*
- *Insert or pull out the plug with the plug perpendicular to the auxiliary jack/ USB port hole.*
- *Insert or remove the plug by holding its base.*

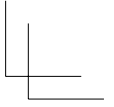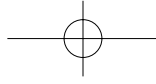**5-61**

▼**How to use AUX mode (Type A)**

```
  ┌─────────────────────┐
  │  MEDIA      ╲        │
  └─────────────────────╲┘
```

1. Switch the ignition to ACC or ON.
2. Press the power/volume dial to turn the audio system on.
3. Press the media button (**MEDIA**) of the audio unit to change to the AUX mode.

NOTE

- *When the device is not connected to the auxiliary jack, the mode does not switch to the AUX mode.*
- *Set the volume of the portable audio unit to the maximum within the range that the sound does not become distorted, then adjust the volume using the power/volume dial of the audio unit or the up/down switch of the audio control switch.*
- *Audio adjustments other than audio volume can only be done using the portable audio device.*
- *If the connection plug is pulled out from the auxiliary jack while in AUX mode, noise may occur.*

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MEMO

▼How to use USB mode (Type A)

Random button   Audio display

Repeat button | Text button | Play/Pause button

Track down/Reverse button—
Track up/Fast-forward button—

Media/Scan button

Folder up button
Folder down button

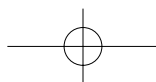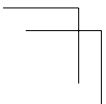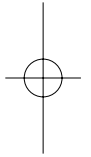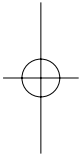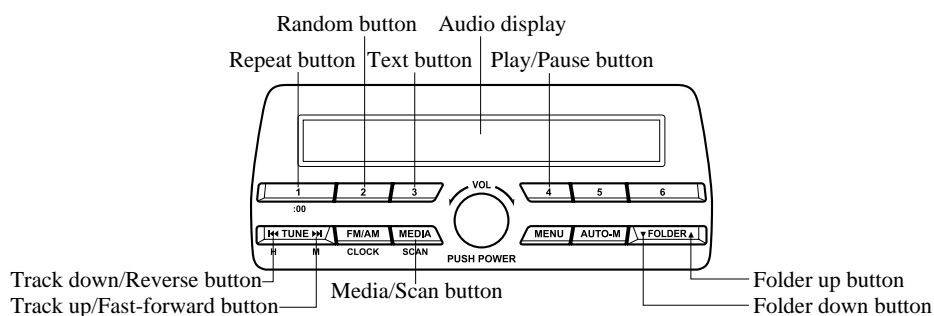| Type	Playable data
USB mode	MP3/WMA/AAC file

Playback

1. Switch the ignition to ACC or ON.
2. Press the power/volume dial to turn the audio system on.
3. Press the media button (**MEDIA**) to switch to the USB mode and start playback.

NOTE

- *Some devices such as smart phones may require a setting change to allow USB operation.*
- *When the USB device is not connected, the mode does not switch to USB mode.*
- *When there is no playable data in the USB device, "NO CONTENTS" is flashed.*
- *Playback of the USB device is in the order of the folder numbers. Folders which have no MP3/WMA/AAC files are skipped.*
- *Do not remove the USB device while in the USB mode. The data may be damaged.*

Pause

To stop playback, press the play/pause button (4).
Press the button again to resume playback.

Fast-forward/Reverse

Press and hold the fast-forward button (▶▶) to advance through a track at high speed.
Press and hold the reverse button (◀◀) to reverse through a track at high speed.

Track search

Press the track up button (▶▶) once to skip forward to the beginning of the next track.
Press the track down button (◀◀) within a few seconds after playback begins to track down to the beginning of the previous track.
Press the track down button (◀◀) after a few seconds have elapsed to start playback from the beginning of the current track.

Folder search

To change to the previous folder, press the folder down button (▼), or press the folder up button (▲) to advance to the next folder.

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Music Scan

This function scans the titles in a folder currently being played and plays ten seconds of each song to aid you in finding a song you want to listen to.
Press and hold the scan button (**MEDIA**) during playback to start the scan play operation (the track number will flash). Press and hold the scan button (**MEDIA**) again to cancel scan playback.

NOTE

If the unit is left in scan, normal playback will resume where scan was selected.

Repeat playback

Track repeat

1. Press the repeat button (1) during playback to play the current track repeatedly. "TRACK RPT" is displayed.
2. To cancel the repeat playback, press the button again after 3 seconds.

Folder repeat

1. Press the repeat button (1) during playback, and then press the button again within 3 seconds to play the tracks in the current folder repeatedly. "FOLDER RPT" is displayed.
2. Press the button again to cancel the repeat playback.

Random playback

Tracks are randomly selected and played.

Folder random

1. Press the random button (2) during playback to play the tracks in the folder randomly. "FOLDER RDM" is displayed.

2. To cancel the random playback, press the button again after 3 seconds.

All random

1. Press the random button (2) during playback, and then press the button again within 3 seconds to play the tracks in the USB device randomly. "ALL RDM" is displayed.
2. Press the button again to cancel the random playback.

Switching the display

For files with a file name and other information that have been input, the display switches between display of the file name and other information each time the text button (3) is pressed during playback.

File number/Elapsed time display
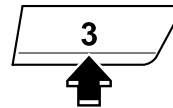
Folder number/File number

File name

3

Folder name

Album name

Song name

Artist name

NOTE

- *The information (artist name, music name) is displayed only when the USB device information in the USB device has information which can be displayed on the screen.*
- *This unit cannot display some characters. Characters which cannot be displayed are indicated by an asterisk (✱).*

Display scroll

Only 13 characters can be displayed at one time. To display the rest of the characters of a long title, press and hold the text button (3). The display scrolls the next 13 characters. Press and hold the text button (3) again after the last 13 characters have been displayed to return to the beginning of the title.

NOTE

The number of characters which can be displayed is restricted.

Error Messages

When the message "CHECK USB" is displayed, it indicates that there is some error in the USB device. Verify that the content recorded in the USB device has MP3/WMA/AAC files and re-connect correctly. If the message reappears, have the unit checked by an Authorized Mazda Dealer.

MEMO

▼**How to use iPod mode (Type A)**

Audio display

Text button
Random button
Repeat button

VOL

Play/Pause button
Category down button
Category up button

Track down/Reverse button
Track up/Fast-forward button
Media/Scan button

List up button
List down button

May not be compatible depending on the model or OS version. In this case, an error message is displayed.

NOTE

The iPod functions on the iPod cannot be operated while it is connected to the unit because the unit controls the iPod functions.
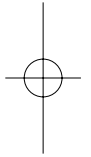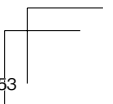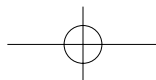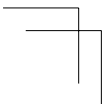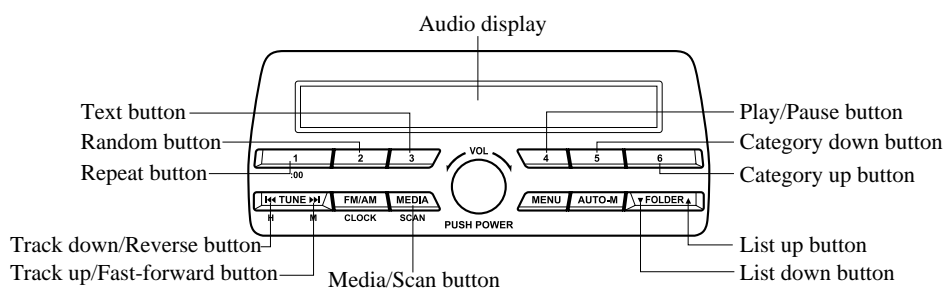
Playback

1. Switch the ignition to ACC or ON.
2. Press the power/volume dial to turn the audio system on.
3. Press the media button (**MEDIA**) to switch to the iPod mode and start playback.

NOTE

- *When an iPod is not connected, the mode does not switch to the iPod mode.*
- *When there is no playable data in the iPod, "NO CONTENTS" is flashed.*
- *Do not remove the iPod while in the iPod mode. Otherwise, the data could be damaged.*

Pause

To stop playback, press the play/pause button (4).
Press the button again to resume playback.

Fast-forward/Reverse

Press and hold the fast-forward button (▶▶) to advance through a track at high speed.
Press and hold the reverse button (◀◀) to reverse through a track at high speed.

Track search

Press the track up button (▶▶) once to skip forward to the beginning of the next track.
Press the track down button (◀◀) within a few seconds (depends on iPod software version) after playback begins to track down to the beginning of the previous track.
Press the track down button (◀◀) after a few seconds (depends on iPod software version) have elapsed to start playback from the beginning of the current track.

Category search

Press the category down button (5) to select the previous category and press the category up button (6) to select the next category.

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NOTE

The types of categories include Playlist, Artist, Album, Song, Podcast, Genre, Composer, and Audio book.

List search

Press the list down button (▼) to select the previous list and press the list up button (▲) to select the next list.

NOTE

When the selected category is Song or Audio book, there is no list.

Music Scan

This function scans the titles in a list currently being played and plays 10 seconds of each song to aid you in finding a song you want to listen to.
Press and hold the scan button (**MEDIA**) during playback to start the scan play operation (the track number will flash).
Press and hold the scan button (**MEDIA**) again to cancel scan playback.

NOTE

If the unit is left in scan, normal playback will resume where scan was selected.

Repeat playback

1. Press the repeat button (1) during playback to play the current track repeatedly. "TRACK RPT" is displayed.
2. Press the button again to cancel the repeat playback.

Random playback

Tracks are randomly selected and played.

Song random

1. Press the random button (2) during playback to play the tracks in the list randomly. "SONG RDM" is displayed.
2. To cancel the random playback, press the button again after 3 seconds.

Album random

1. Press the random button (2) during playback, and then press the button again within 3 seconds to play the tracks in the iPod randomly. "ALBUM RDM" is displayed.
2. Press the button again to cancel the random playback.

NOTE

The track number being played randomly is in the order of the iPod shuffle table.
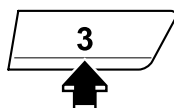
Switching the display

For files with a file name and other information that have been input, the display switches between display of the file name and other information each time the text button (3) is pressed during playback.

File number/Elapsed time

Category (Playlist title/Genre title /Composer title/Podcast title)

Artist name

Album name

Song name

NOTE

- *The information (artist name, music name) is displayed only when the iPod has information which can be displayed.*
- *This unit cannot display some characters. Characters which cannot be displayed are indicated by an asterisk (*✱*).*

Display scroll

13 characters can be displayed at one time. To display the rest of the characters of a long title, press and hold the text button (3). The display scrolls the next 13 characters. Press and hold the text button (3) again after the last 13 characters have been displayed to return to the beginning of the title.

NOTE

The number of characters which can be displayed is restricted.

Error Messages

If the message "CHECK iPod" is displayed, it indicates that there is a malfunction in the iPod. Verify that the content recorded in the iPod has playable files and connect correctly. If the message reappears, have the unit checked by an Authorized Mazda Dealer.

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▼**Error Indications (Type A)**

If you see an error indication on the display, find the cause in the chart. If you cannot clear the error indication, take the vehicle to an Authorized Mazda Dealer.

Indication	Cause	Solution
CHECK USB	USB device malfunction	Verify that the content recorded in the USB device has MP3/WMA/AAC files and re-connect correctly. If the error indication continues to display, consult an Authorized Mazda Dealer.
CHECK iPod	iPod malfunction	Verify that the content recorded in the iPod has playable files and re-connect correctly. If the error indication continues to display, consult an Authorized Mazda Dealer.

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▼**How to use AUX mode (Type B)**

1. Select the 🎵 icon on the home screen and display the Audio screen.
2. Select AUX icon to switch to the AUX mode. The following icons are displayed in the lower part of the audio display.

Icon	Function
🎵	Displays the Audio menu. Use to switch to a different audio source.
▦	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42

NOTE
- *If a device is not connected to the auxiliary jack, the mode does not switch to the AUX mode.*
- *Set the volume of the portable audio unit to the maximum within the range that the sound does not become distorted, then adjust the volume using the ᴾᵁˢᴴ🔇 dial of the commander switch or the up/down switch of the audio control switch.*
- *Audio adjustments can also be made using the portable audio device's volume setting.*
- *If the connection plug is pulled out from the auxiliary jack while in AUX mode, noise may occur.*

▼**How to use USB mode (Type B)**

Type	Playable data
USB mode	MP3/WMA/AAC/OGG file

May not be compatible depending on the model or OS version. In this case, an error message is displayed.

Playback

1. Select the ♫ icon on the home screen and display the Audio screen.
2. Select the USB 1 icon or USB 2 icon to switch the USB mode. The following icons are displayed in the lower part of the audio display.

Icon	Function
♫	Displays the Audio menu. Use to switch to a different audio source.
☰	Current track list is displayed. Select a desired track to play it.
📁	Category list is displayed.
↻	Tracks in the current track list are played repeatedly. Select it again to play the current track repeatedly. Select it again to cancel.
⤬	Tracks in the current track list are played randomly. Select it again to cancel.
♪⊕	Tracks similar to the current track are searched in the device and a playlist can be created using Gracenote's More Like This™. A playlist is created based on track information such as artist, genre, and age.
◀◀	If selected within a few seconds from the beginning of a song which has started to play, the previous song is selected. If more than a few seconds have elapsed, the song currently being played is replayed from the beginning. Long-press to fast reverse. It stops when you remove your hand from the icon or the commander knob.
▶‖	Track is played. When selected again, playback is temporarily stopped.
▶▶‖	Advances to the beginning of the next song. Long-press to fast forward.
⣷	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

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NOTE
- *Drag the slider indicating the playback time to move to the desired location on the track.*
- *The appearance of the repeat and shuffle icons changes depending on the type of operation in which the function is used.*

Category list

Select the ☐ icon and display the following category list.
Select a desired category and item.

Category	Function
Playlist	Displays playlists on the device.
Artist	Displays the artist name list. All the tracks or tracks for each album of the selected artist can be played.
Album	Displays the album name list.
Song	All the tracks in the device are displayed.
Genre	Displays the genre list. All the tracks or tracks per album or artist in the selected genre can be played.
Audiobook	Displays the audiobook list. Chapters can be selected and played.
Podcast	Displays the podcast list. Episode can be selected and played.
Folder	Displays the folder/file list.

Example of use (to play tracks in particular genre)

1. Select ☐ to display the category list.
2. Select the [Genre] icon.
3. Select a desired genre.
4. Select the [All Albums] icon.
5. Select the [All Songs] icon. A list of all the tracks in the selected genre is displayed.
6. Select a desired track to play it.

7. If ☰ is selected during playback, the list in Step 5 is displayed.

Genres

- All Artists
- Genre Type 1
  - All Albums
    - All Songs
    - Album Title 1
    - Album Title 2
  - Artist Name A
  - Artist Name B
- Genre Type 2
- Genre Type 3

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NOTE

- *An artist or album in the genre can be selected.*
- *Select the ☐ icon to move to a folder one level higher.*

Bluetooth® (Type A/Type B)*

Bluetooth® Hands-Free outline

When a Bluetooth® device (mobile phone) is connected to the vehicle's hands-free unit via radio wave transmission, a call can be made or received using the talk button, pick-up button and hang-up button, or by operating the panel. For example, even if a device (mobile phone) is in your coat pocket, a call can be made without taking the device (mobile phone) out and operating it directly.

Bluetooth® audio outline

When a portable audio unit equipped with the Bluetooth® communication function is programmed to the vehicle, you can listen to music stored on the programmed portable audio device from the vehicle's speakers. It is not necessary to connect the portable audio device to the vehicle's external input terminal. After programming, operate the vehicle audio control panel to play/stop the audio.

NOTE

- *For your safety, a device can be paired (programmed) only when the vehicle is parked. If the vehicle starts to move, the pairing procedure will end. Park the vehicle in a safe place before pairing.*
- *The communication range of a Bluetooth® equipped device is about 10 meters (32 ft) or less.*

⚠ CAUTION

Some Bluetooth® mobile devices are not compatible with the vehicle. Consult an Authorized Mazda Dealer, Mazda's call center or Web support center for information regarding Bluetooth® mobile device compatibility:

- *U.S.A.*
  Phone: 800-430-0153
  Web: www.MazdaUSA.com/bluetooth
- *Canada*
  Phone: 800-430-0153
  Web: www.mazdahandsfree.ca

Applicable Bluetooth® specification
Ver. 2.0 or higher (Type A)
Ver. 2.1 ✚ EDR (Type B)

▼ **Component Parts**

Audio unit

Type A

Type B

Talk button, Pick-up button and Hang-up button

Talk button

Pick-up button

Hang-up button

Microphone

Microphone

Microphone (hands-free)

The microphone is used for speaking voice commands or exchanging conversation.

Talk button, Pick-Up button and Hang-Up button (hands-free)

The basic functions of Bluetooth® Hands-Free can be used for such things as making calls or hanging up using the talk, pick-up and hang-up buttons on the steering wheel.

Commander switch (Type B)

The commander switch is used for volume adjustment and display operation. Tilt or turn the commander and move the cursor. Press the commander knob to select the icon.

Volume adjustment

The power/volume dial of the audio unit[*1] or the PUSH dial of the commander switch[*2] is used to adjust the volume. Turn the dial to the right to increase volume, to the left to decrease it.
The volume can also be adjusted using the volume button on the steering wheel.

*1 Type A
*2 Type B

(Type B)

Conversation volume and the volume of the voice guidance and ringtone can each be set in advance.

1. Select the ⓢ icon on the home screen and display the Communication screen.
2. Select the [Settings] icon.
3. Adjust the [Phone Volume] and the [VR and Ringtone] using the slider.

NOTE

The volume of the audio unit cannot be adjusted while Bluetooth® Hands-Free is being used.

▼**Bluetooth® Preparation (Type A)**

Bluetooth® Hands-Free Preparation

Pairing code setting

The 4-digit pairing code setting for registration of your cell phone (pairing) can be set beforehand.

NOTE

The initial setting value is "0000".

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Pairing options"
5. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."
6. **Say:** [Beep] "Set pairing code"
7. **Prompt:** "Your current pairing code is XXXX. Do you want to change it to a different pairing code?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "Please say a 4-digit pairing code."
10. **Say:** [Beep] "YYYY"
11. **Prompt:** "YYYY is this correct?"
12. **Say:** [Beep] "Yes" or "No"
13. If "Yes", go to Step 14. If "No", the procedure returns to Step 9.
14. **Prompt:** "Your new pairing code is YYYY. Use this pairing code when pairing devices to the Hands free system. Do you want to pair a device now?"
15. **Say:** [Beep] "Yes" or "No"
16. If "Yes", the system switches to the device registration mode. If "No", the system returns to standby status.

Device programming (Pairing)

To use Bluetooth® Hands-Free, the device equipped with Bluetooth® has to be programmed to the hands-free unit using the following procedure.
A maximum of seven devices including hands-free mobile phones and Bluetooth® audio devices can be programmed to one vehicle.

NOTE

If a Bluetooth® device has already been programmed to the vehicle as a Bluetooth® audio device, it does not need to be programmed again when using the device as a hands-free mobile phone. Conversely, it does not need to be programmed again as a Bluetooth® audio device if it has already been programmed as a hands-free mobile phone.

1. Activate the Bluetooth® application of the device.

NOTE

For the operation of the device, refer to its instruction manual.

2. Press the pick-up button or talk button with a short press.
3. **Say:** [Beep] "Setup"
4. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
5. **Say:** [Beep] "Pairing options"
6. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."
7. **Say:** [Beep] "Pair"
8. **Prompt:** "Start the pairing process on your Bluetooth® device. Your pairing code is 0000 (XXXX). Input this on your Bluetooth® device when prompted on the device. See device manual for instructions."

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9. Using the device, perform a search for the Bluetooth® device (Peripheral device).

NOTE

For the operation of the device, refer to its instruction manual.

10. Select "Mazda" from the device list searched by the device.
11. Input the 4-digit pairing code to the device.
12. **Prompt:** "Please say the name of the device after the beep."
13. **Say:** [Beep] "XXXX - - -" (Say a "device tag", an arbitrary name for the device.) Example: "Stan's device."

NOTE

Say a programmed "device tag" within 10 seconds.
If more than two devices are to be programmed, they cannot be programmed with the same or similar "device tag".

14. **Prompt:** "XXXXXX - - - (Ex. "Stan's device") (Device tag). Is this correct?"
15. **Say:** [Beep] "Yes"
16. **Prompt:** "Pairing complete"

After a device is registered, the system automatically identifies the device. By activating Bluetooth® Hands-Free again, or by activating Bluetooth® Hands-Free first after switching the ignition from OFF to ACC, the system reads out a voice guidance, "XXXXXX - - - (Ex. "Stan's device") (Device tag) is connected".

NOTE

- *When the programming is completed, the ☐ symbol is displayed.*
- *Some Bluetooth® audio devices need a certain amount of time before the ☐ symbol is displayed.*
- *Device registration can also be done by operating the audio unit.*
- *Depending on the device, the registration status may be lost after a certain period of time. If this occurs, repeat the entire process from Step 1.*

Registered device read-out

Bluetooth® Hands-Free can read-out the devices registered to its system.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Pairing options"
5. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code"
6. **Say:** [Beep] "List"

7. **Prompt:** "XXXXX..., XXXXX..., XXXXX... (Ex. Device A, device B, device C)" (The voice guidance reads out the device tags registered to the hands-free system.)

   Press the talk button with a short press during the read-out at the desired device, and then say one of the following voice commands to execute it.

   • "Select phone": Selects device (Mobile phone) when the talk button is short-pressed.
   • "Select music player": Selects device (Music player) when the talk button is short-pressed.
   • "Edit": Edits device when the talk button is short-pressed.
   • "Continue": Continues the list readout.
   • "Delete": Deletes the registered device when the talk button is short-pressed.
   • "Previous": Returns to the previous device in read-out when the talk button is short-pressed.

8. **Prompt:** "End of list, would you like to start from the beginning?"
9. **Say:** [Beep] "No"
10.**Prompt:** "Returning to main menu."

Device selection

If several devices have been programmed, the Bluetooth® unit links the device last programmed. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

(Hands-free phone)

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Select phone"
5. **Prompt:** "Please say the name of the device you would like to select. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C). Which device please?"
6. **Say:** [Beep] "XXXXX... (Ex. Device B)"
7. **Prompt:** "XXXXX... (Ex. Device B). Is this correct?"
8. **Say:** [Beep] "Yes" or "No"
9. If "Yes", go to Step 10. If "No", the procedure returns to Step 5.
10.**Prompt:** "XXXXX... (Ex. Device B) selected."

(Music player)

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Select music player"
5. **Prompt:** "Please say the name of the device you would like to select. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C). Which device please?"
6. **Say:** [Beep] "XXXXX... (Ex. Device B)"
7. **Prompt:** "XXXXX... (Ex. Device B). Is this correct?"

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8. **Say:** [Beep] "Yes" or "No"
9. If "Yes", go to Step 10. If "No", the procedure returns to Step 5.
10.**Prompt:** "XXXXX... (Ex. Device B) selected."

NOTE

- *When the selected device connection is completed, the ⊟ or ♪ symbol is displayed.*
- *Some Bluetooth® audio devices need a certain amount of time before the ⊟ or ♪ symbol is displayed.*
- *Device (Music player) selection can also be done by operating the panel button.*

Deleting a device

Registered devices (Mobile phone) can be deleted individually or collectively.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Pairing options"
5. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."

NOTE

A registered device (Mobile phone) can be deleted using the registration list.

6. **Say:** [Beep] "Delete"

7. **Prompt:** "Please say the name of the device you would like to delete. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C), or all. Which device please?"
8. **Say:** [Beep] "X" (Say the number of the device to be deleted.)

NOTE

Say "All" to delete all devices (Mobile phone).

9. **Prompt:** "Deleting XXXXX... (Ex. device B...) (Registered device tag). Is this correct?"
10.**Say:** [Beep] "Yes"
11.**Prompt:** "Deleted"

Registered device editing

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Pairing options"
5. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."
6. **Say:** [Beep] "Edit"
7. **Prompt:** "Please say the name of the device you would like to edit. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C). Which device please?"
8. **Say:** [Beep] "X" (Say the number of the device to be edited.)
9. **Prompt:** "New name please?"
10.**Say:** [Beep] "XXXXX... (Ex. Device C)" (Speak a "device tag" an arbitrary name for the device.)
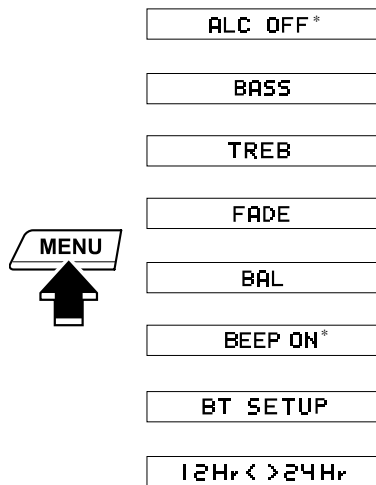
11. **Prompt:** "XXXXX... (Ex. device C) (Device tag), is this correct?"
12. **Say:** [Beep] "Yes"
13. **Prompt:** "New name saved, returning to main menu."

Bluetooth® Audio Preparation

Bluetooth® audio device set-up

Bluetooth® audio programming, changes, deletions, and display of programmed device information can be performed.

1. The mode changes as follows each time the menu button (**MENU**) is pressed. Select "BT SETUP".

```
        ┌─────────────────┐
        │   ALC OFF *     │
        └─────────────────┘

        ┌─────────────────┐
        │     BASS        │
        └─────────────────┘

        ┌─────────────────┐
        │     TREB        │
        └─────────────────┘

        ┌─────────────────┐
 /MENU/ │     FADE        │
   ▲    └─────────────────┘

        ┌─────────────────┐
        │     BAL         │
        └─────────────────┘

        ┌─────────────────┐
        │    BEEP ON *    │
        └─────────────────┘

        ┌─────────────────┐
        │    BT SETUP     │
        └─────────────────┘

        ┌─────────────────┐
        │  12Hr< >24Hr    │
        └─────────────────┘
```

2. Turn the audio control dial and select a desired mode.

```
  ┌──→ PAIR DEVICE ──┐
  │      ▼  △        │
  │    LINK CHANGE   │
  │      ▼  △        │
  │    PAIR DELETE   │
  │      ▼  △        │
  │    DEVICE INFO   │
  │      ▼  △        │
  └──── GO BACK ─────┘
```

Display	Mode	Function
PAIR DEVICE	Pairing program mode	Bluetooth® audio device programming
LINK CHANGE	Link change mode	Changing link to Bluetooth® audio device
PAIR DELETE	Pairing deletion mode	Deleting link to Bluetooth® audio device
DEVICE INFO	Device information display mode	Displaying vehicle's Bluetooth® unit information

3. Press the audio control dial to determine the mode.

Bluetooth® audio device programming

Any Bluetooth® audio device must be programmed to the vehicle's Bluetooth® unit before it can be listened to over the vehicle's speakers.
A maximum of seven devices including Bluetooth® audio devices and hands-free mobile phones can be programmed to one vehicle.

NOTE

- *If a Bluetooth® device has already been programmed to the vehicle as a hands-free mobile phone, it does not need to be programmed again when using the device as a Bluetooth® audio device. Conversely, it does not need to be programmed again as a hands-free mobile phone if it has already been programmed as a Bluetooth® audio device.*
- *Device registration can also be done using voice recognition.*

Concerning the operation of a Bluetooth® audio device itself, refer to its instruction manual.
Some Bluetooth® audio devices have PIN codes (four digits). Refer to the audio device's instruction manual because the programming procedure differs depending on whether it has a PIN code or not.

Programming a Bluetooth® audio device which has a four-digit PIN code

1. Using the audio control dial, select the pairing program mode "PAIR DEVICE" in the "BT SETUP" mode. (Refer to "Bluetooth® audio device set-up" for details.)
2. Press the audio control dial to determine the mode. After "ENTER PIN" is displayed on the audio display for three seconds, "PIN 0000" is displayed and the PIN code can be input.

3. Input the PIN code of your Bluetooth® audio device by pressing channel preset buttons 1 to 4 while "PIN 0000" is displayed.
   Press channel preset button 1 to input the first digit, 2 for the second, 3 for the third, and 4 for the forth. For example, if the PIN code were "4213" press channel preset button 1 four times (1, 2, 3, 4), button 2 twice (1, 2), button 3 once (1), and button 4 three times (1, 2, 3). If the "PIN 0000" display disappears before finishing the PIN code input, repeat the procedure from Step 1.

NOTE

Some devices accept only a particular pairing code (Usually, "0000" or "1234").
If pairing cannot be completed, refer to the owner's manual of your mobile device, and try those numbers if necessary.

4. Press the audio control dial while the input PIN code is displayed. "PAIRING" flashes on the audio display.
5. Operate the Bluetooth® audio device and set it to the program mode while "PAIRING" is flashing.
6. When the programming is completed, ♪ and "PAIR SUCCESS" are displayed after about 10-30 seconds, after which "PAIR SUCCESS" continues to be displayed for three seconds, and then the unit returns to the normal display.

NOTE
- *Some Bluetooth® audio devices need a certain amount of time before the ♪ symbol is displayed.*
- *If the programming failed, "Err" flashes for three seconds .*
- *Programming cannot be performed while the vehicle is moving. If you attempt to perform programming while the vehicle is moving, "PAIR DISABLE" is displayed .*
- *If seven Bluetooth® audio devices have already been programmed to the vehicle, programming cannot be performed and "MEMORY FULL" is displayed. Delete one programmed device to program another one.*

Programming a Bluetooth® audio device which does not have a four-digit PIN code

1. Using the audio control dial, select the pairing program mode "PAIR DEVICE" in the "BT SETUP" mode. (Refer to "Bluetooth® audio set up" for details.)
2. Press the audio control dial to determine the mode. After "ENTER PIN" is displayed on the audio display for three seconds, "PIN 0000" is displayed and the PIN code can be input.
3. Press the audio control dial while "PIN 0000" is displayed. "PAIRING" flashes on the audio display.
4. Operate the Bluetooth® audio device and set it to the program mode while "PAIRING" is flashing.
5. As the Bluetooth® audio device requires a PIN code, input "0000".

6. When the programming is completed, ♪ and "PAIR SUCCESS" are displayed after about 10-30 seconds, after which "PAIR SUCCESS" continues to be displayed for three seconds, and then the unit returns to the normal display.
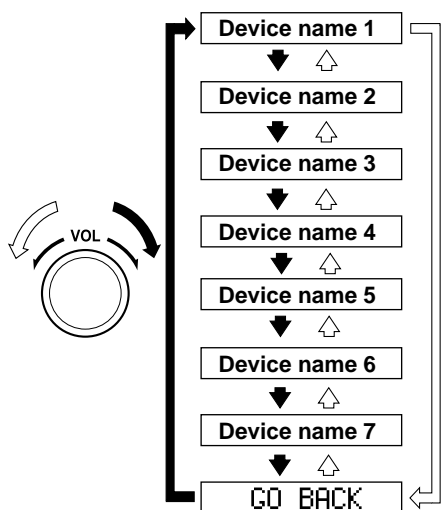
NOTE
- *If pairing cannot be completed, try "1234" instead. Refer to the owner's manual of your mobile device for the right PIN code.*
- *Some Bluetooth® audio devices need a certain amount of time before the ♪ symbol is displayed.*
- *If the programming failed, "Err" flashes for three seconds.*
- *Programming cannot be performed while the vehicle is moving. If you attempt to perform programming while the vehicle is moving, "PAIR DISABLE" is displayed .*
- *If seven Bluetooth® audio devices have already been programmed to the vehicle, programming cannot be performed and "MEMORY FULL" is displayed. Delete one programmed device to program another one.*

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Device selection

If several devices have been programmed, the Bluetooth® unit links the device last programmed. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

1. Using the audio control dial, select the link change mode "LINK CHANGE" in the "BT SETUP" mode. (Refer to "Bluetooth® audio device set-up" for details.)
2. Press the audio control dial to determine the mode.
3. The name of the currently linked Bluetooth® audio device is displayed. If no Bluetooth® audio device is currently linked, the name of the first device among the programmed devices is displayed.
4. Turn the audio control dial to select the name of the device you would like to link.

5. Press the audio control dial to select the device you would like to link. The ♪ symbol disappears, and "PAIRING" flashes in the audio display.

NOTE

When "GO BACK" is selected and the audio control dial is pressed, the display returns to "LINK CHANGE".

6. If the link to the desired device is successful, the ♪ symbol is displayed again, together with "LINK CHANGED" "LINK CHANGED" is displayed for three seconds, then it returns to the normal display.

NOTE

- *Some Bluetooth® audio devices need a certain amount of time before the ♪ symbol is displayed.*
- *If a hands-free type mobile phone has been the most recently programmed device, the Bluetooth® unit links this device. If you would like to use a Bluetooth® audio type device which has been previously programmed to the Bluetooth® unit, the link must be changed to this device.*
- *If an error occurs while trying to link a device, "Err" flashes in the audio display for three seconds, and the display returns to "LINK CHANGE" If this occurs, check the programming status of the Bluetooth® audio device and the location of the device in the vehicle (not in the trunk or a metal-type box), and then try the link operation again.*
- *Device selection can also be done using voice recognition.*
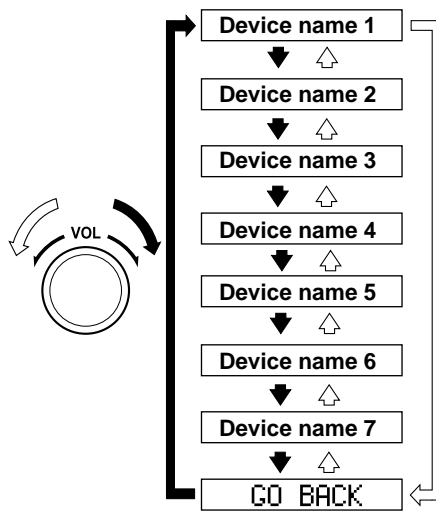
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How to confirm the device currently linked

Switch to the link-change mode. (Refer to "Changing the link to a Bluetooth® audio device")
The device name displayed first is the device which is currently linked.

Deleting a device

1. Using the audio control dial, select the pairing delete mode "PAIR DELETE" in the "BT SETUP" mode. (Refer to "Bluetooth® audio device set-up" for details.)
2. Press the audio control dial to determine the mode.
3. The name of the first device among the programmed devices is displayed.
4. Rotate the audio control dial and select the name of the programmed device you would like to delete.

NOTE

Only the names of programmed devices can be displayed. If only one device is programmed, only the name for this device is displayed.

5. If a selection other than "GO BACK" is made and the audio control dial is pressed, "SURE ? NO" is displayed.
6. Rotate the audio control dial clockwise and switch the display to "SURE ? YES".

NOTE

The display changes as follows depending on whether the audio control dial is rotated clockwise or counterclockwise.
-Clockwise: "SURE ? YES" displayed
-Counterclockwise: "SURE ? NO" displayed

7. Press the audio control dial to delete the selected device.

NOTE

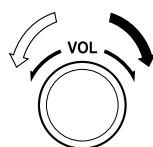*Select "GO BACK" and press the audio control dial to return to the "PAIR DELETE" display.*

8. "PAIR DELETED" is displayed for three seconds after the deletion is completed, and then it returns to the normal display.

NOTE

If an error occurs while trying to delete the programmed device, "Err" flashes in the display for three seconds and the display returns to "LINK DELETE".

Bluetooth® audio device information display

1. Using the audio control dial, select the pair device information display mode "DEVICE INFO" in the "BT SETUP" mode. (Refer to "Bluetooth® audio device set-up" for details.)
2. Press the audio control dial to determine the mode.
3. The name of the Bluetooth® unit device is displayed.
4. Rotate the audio control dial to select the information for the Bluetooth® unit which you would like to view.

| Device name |
| BT address |
| GO BACK |

NOTE

When "GO BACK" is selected and the audio control dial is pressed, the display returns to "DEVICE INFO".

▼ **Available Language (Type A)**

The available languages are English, Spanish, and Canadian French. If the language setting is changed, all of the voice guidance and voice input commands are done in the selected language.

NOTE

- *If the language setting is changed, device registration is maintained.*
- *Phonebook records are not cleared, but each language has a separate phonebook. Therefore, entries created in one language will need to be re-entered in the phonebook of the new language.*
- *Do these steps before you start driving. These less used functions are too distracting to undertake while driving until you are fully familiar with the system.*

(Method 1)

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Language"
5. **Prompt:** "Select a language: English, French, or Spanish."
6. **Say:** [Beep] "French" (Speak the desired language: "English", "French" or "Spanish")

NOTE

Other language settings can also be made while in the current setting by saying the name of the language in the native pronunciation.

7. **Prompt:** "French (Desired language) selected. Is this correct?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "French (Desired language) selected, returning to main menu" (Spoken in the newly selected language).

(Method 2)

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "French" (Say the desired language: "English", "French" or "Spanish"). (Change the desired language by saying the language name.)

NOTE

Other language settings can also be made while in the current setting by saying the name of the language in the native pronunciation.

3. **Prompt:** "Would you like to change the language to French (Desired language)?"
4. **Say:** [Beep] "Yes"
5. **Prompt:** "Please wait. Switching to French phonebook. French selected, returning to main menu" (Spoken in the newly selected language).

▼ **Voice Recognition (Type A)**

The Mazda Bluetooth® Hands-Free system can be used to make calls or operate the audio unit using voice recognition which includes numerous convenient commands. In this section, the basic operation of the voice recognition is explained.

Activating Voice Recognition

To Activate the Main Menu: Press the pick-up button or talk button with a short press.

Ending Voice Recognition

Use one of the following methods:

• Press and hold the talk-button.
• Press the hang-up button.

Skipping Voice Guidance (for faster operation)

Press and release the talk-button.

NOTE

• *The Bluetooth® Hands-Free system is operable several seconds after the ignition is switched to ACC or ON (requires less than 15 seconds).*
• *When operating the audio unit or the A/C while using Bluetooth® Hands-Free, the beep sounds or voice guidance (audio unit)/cannot be heard.*

Tutorial

The tutorial explains how to use Bluetooth® Hands-Free.
To activate the tutorial, do the following:

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Tutorial"
3. Follow the prompts to receive the appropriate voice guidance instructions.

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Commands useable anytime during voice recognition

"Help" or "Go Back" are commands which can be used at anytime during voice recognition.

Help function use

The help function informs the user of all the available voice commands under the current conditions.

1. **Say:** [Beep] "Help"
2. Follow the prompts to receive the appropriate voice guidance instructions.

Returning to previous operation

This command is for returning to the previous operation while in the voice recognition mode.
Say: [Beep] "Go Back"

To prevent a deterioration in the voice recognition rate and voice quality, the following points should be observed:

- The hands-free system cannot perform voice recognition while voice guidance or a beep sound is operating. Wait until the voice guidance or the beep sound is finished before saying your commands.
- Dialects or different wording other than hands-free prompts cannot be recognized by voice recognition. Speak in the wording specified by the voice commands.
- It is not necessary to face the microphone or approach it. Speak the voice commands while maintaining a safe driving position.
- Do not speak too slow or too loud.
- Speak clearly, without pausing between words or numbers.

- Close the windows and/or the moonroof to reduce loud noises from outside the vehicle, or turn down the airflow of the air-conditioning system while Bluetooth® Hands-Free is being used.
- Make sure the vents are not directing air up towards the microphone.

NOTE

If the voice recognition performance is not satisfactory.
Refer to Voice Recognition Learning Function (Speaker Enrollment) (Type A) on page 5-92
Refer to Troubleshooting (Type A/Type B) on page 5-132

▼ **Security Setting (Type A)**

If a passcode is set, the system cannot be activated unless the passcode is input.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

Passcode setting

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Passcode"
5. **Prompt:** "Passcode is disabled. Would you like to enable it?"
6. **Say:** [Beep] "Yes"
7. **Prompt:** "Please say a 4-digit passcode. Remember this passcode. It will be required to use this system."
8. **Say:** [Beep] "XXXX" (Say a desired 4-digit passcode, "PCode".)

9. **Prompt:**"Passcode XXXX (Passcode, PCode). Is this correct?"
10. **Say:** [Beep] "Yes"
11. **Prompt:**"Passcode is enabled, returning to main menu."

Using Bluetooth® Hands-Free with a passcode

1. Press the pick-up button or talk button with a short press.
2. **Prompt:**"Hands-Free system is locked. State the passcode to continue."
3. **Say:** [Beep] "XXXX" (Say the set passcode "PCode".)
4. If the correct passcode is input, voice guidance "XXXXXX... (Ex. "Mary's device") (Device tag) is connected" is announced.
   If the passcode is incorrect, voice guidance "XXXX (4-digit passcode, Pcode) incorrect passcode, please try again" is announced.

Canceling the passcode

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Passcode"
5. **Prompt:**"Passcode is enabled. Would you like to disable it?"
6. **Say:** [Beep] "Yes"
7. **Prompt:**"Passcode is disabled, returning to main menu."

Confirmation Prompts

The confirmation prompt confirms the command content to the user before advancing to the operation requested by the user. When this function is turned on, the system reads out the voice input command previously received and confirms whether the command is correct before advancing to the command execution.
When the confirmation prompt function is turned on:
(Ex. "Calling John's device. Is this correct?")
When the confirmation prompt function is turned off:
(Ex. "Calling John's device.")

NOTE

If the confirmation prompt function is turned off when making an emergency call, the system reads out and confirms the command before executing it.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Setup"
3. **Prompt:**"Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Confirmation prompts"
5. **Prompt:**"Confirmation prompts are on/off. Would you like to turn confirmation prompts off/on?"
6. **Say:** [Beep] "Yes"
7. **Prompt:**"Confirmation prompts are off/on, returning to main menu."

▼**Voice Recognition Learning Function (Speaker Enrollment) (Type A)**

The voice recognition learning function enables voice recognition appropriate to the characteristics of the user's voice. If the recognition of the voice input commands to the system is not adequate, this function can largely improve the system's voice recognition of the user. If your voice can be recognized sufficiently without using this function, you may not realize the added benefit of the function. To register your voice, the voice input command list must be read out. Read out the list when the vehicle is parked. Perform the registration in as quiet a place as possible. Refer to Voice Recognition (Type A) on page 5-89. The registration must be performed completely. The required time is a few minutes. The user needs to be seated in the driver's seat with the voice input command list for voice recognition learning open to the page indicated below.

When voice recognition learning is done for the first time

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Voice training"
3. **Prompt:** "This operation must be performed in a quiet environment while the vehicle is stopped. See the owner's manual for the list of required training phrases. Press and release the talk button when you are ready to begin. Press the hang-up button to cancel at any time."
4. Press the talk button with a short press.
5. The voice guidance reads out the voice input command number (refer to the voice input command list for voice recognition learning). (Ex. "Please read phrase 1")

6. **Say:** [Beep] "0123456789" (Say the voice input command for voice recognition learning (1 to 8) according to the voice guidance.)
7. **Prompt:** "Speaker enrollment is complete, returning to main menu."

NOTE

If an error occurred in the voice recognition learning, re-learning can be done by pressing the talk button with a short press.

Voice recognition re-learning

If voice recognition learning has already been done.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Voice training"
3. **Prompt:** "Enrollment is enabled/ disabled. Would you like to disable/ enable or retrain?"
4. **Say:** [Beep] "Retrain"
5. **Prompt:** "This operation must be performed in a quiet environment while the vehicle is stopped. See the owner's manual for the list of required training phrases. Press and release the talk button when you are ready to begin. Press the hang-up button to cancel at any time."
6. Press the talk button with a short press.
7. The voice guidance reads out the voice input command number (refer to the voice input command list for voice recognition learning). (Ex. "Please read phrase 1")
8. **Say:** [Beep] "0123456789" (Say the voice input command for voice recognition learning (1 to 8) according to the voice guidance.)
9. **Prompt:** "Speaker enrollment is complete, returning to main menu."

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NOTE

If an error occurred in the voice recognition learning, re-learning can be done by pressing the talk button with a short press.

Voice input command list for voice recognition learning

When reading out, the following points must be observed:

- Read out the numbers one at a time correctly and naturally.
  (For example, "1234" must be read out "one, two, three, four" not "twelve, thirty four".)
- Do not read out parentheses. "(" and hyphens "-" are used for separating numbers in a phone number.

Ex."(888) 555-1212" must be spoken "Eight, eight, eight, five, five, five, one, two, one, two."

Phrase	Command
1	0123456789
2	(888) 555-1212
3	Call
4	Dial
5	Setup
6	Cancel
7	Continue
8	Help

NOTE

- *The applicable phrase appears in the audio display.*
- *After user voice registration is completed, voice guidance "Speaker enrollment is complete, returning to main menu" is announced.*

Voice recognition learning on/off

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Voice training"
3. **Prompt:** "Enrollment is enabled/ disabled. Would you like to disable/ enable or retrain?"
4. **Say:** [Beep] "Disable" or "Enable"
5. When "Disable" is spoken, the voice recognition learning is turned off. When "Enable" is spoken, the voice recognition learning is turned on.
6. **Prompt:** "Speaker Enrollment is disabled/enabled, returning to main menu ."

▼ Bluetooth® Preparation (Type B)

Device programming (Pairing)

To use Bluetooth® audio and Hands-Free, the device equipped with Bluetooth® has to be programmed to the unit using the following procedure. A maximum of seven devices including Bluetooth® audio devices and hands-free mobile phones can be programmed.

Pairing Procedure

1. Select the ⚙ icon on the home screen and display the Settings screen.
2. Select the ⌯Devices⌯ tab.
3. Select the ⌯Bluetooth⌯ icon.
4. Turn the Bluetooth® setting on.
5. Select the ⌯Add New Device⌯ icon to display the message and switch to the device operation.
6. Using your device, perform a search for the Bluetooth® device (Peripheral device).
7. Select "Mazda3" from the device list searched by the device.
8. **(Device with Bluetooth® version 2.0)** Input the displayed 4-digit pairing code into the device.

(Device with Bluetooth® version 2.1 or higher)
Make sure the displayed 6-digit code on the audio is also displayed on the device, and touch the ⌐Yes¬ icon.
A connection license agreement may be required depending on the device.

9. If pairing is successful, the profile list for the device is displayed.

10. **(Devices compatible with Mazda Email / SMS function)**
SMS (Short Message Service) messages, MMS (Multimedia Messaging Service) messages, and E-mail for the device are downloaded automatically. A download permission operation may be required depending on your mobile device.

NOTE

When Call history and messages are downloaded automatically, each automatic download setting must be on.
Refer to Communication Settings on page 5-113.

After a device is registered, the system automatically identifies the device. By activating Bluetooth® Hands-Free again, or by activating Bluetooth® Hands-Free first after switching the ignition from OFF to ACC, the device connection condition is indicated in the audio display.

IMPORTANT note about pairing and automatic reconnection:

• When you update the operating system of your mobile device (such as Windows/Android/iOS) the pairing information may be invalidated. Therefore, the device may need to be reprogrammed to the hands-free unit.

• If you pair your phone which has already been paired to your vehicle more than once in the past, you need to delete "Mazda" on your mobile device. Then, execute the Bluetooth® search on your mobile device once again, and pair to a newly detected "Mazda".

• Before you pair your device, make sure that Bluetooth® is "ON", both on your phone and on the vehicle.

Device selection

If several devices have been programmed, the Bluetooth® unit links the device last programmed. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

Connecting other devices

1. Select the ⚙ icon on the home screen and display the Settings screen.
2. Select the ⌐Devices¬ tab.
3. Select the ⌐Bluetooth¬ icon.
4. Turn the Bluetooth® setting on.
5. Select the name of the device you would like to connect.
6. ⌐Phone and Audio¬ **icon selection**
Connects both devices as hands-free and Bluetooth® audio.
⌐Phone only¬ **icon selection**
Connects as a hands-free device.
⌐Audio only¬ **icon selection**
7. Connects as Bluetooth® audio.

When the connection is completed, the profile list for the device is displayed. Select the ‹ icon to display the device list screen and display the 〔 or ♪ icon in the newly connected device.

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Disconnecting a device

1. Select the ⚙ icon on the home screen and display the Settings screen.
2. Select the `Devices` tab.
3. Select the `Bluetooth` icon.
4. Turn the Bluetooth® setting on.
5. Select the device name which is currently connected.
6. Select the `Disconnect` icon.

Deleting a device

Selecting and deleting devices

1. Select the ⚙ icon on the home screen and display the Settings screen.
2. Select the `Devices` tab.
3. Select the `Bluetooth` icon.
4. Turn the Bluetooth® setting on.
5. Select the device name which you would like to delete.
6. Select the `Remove Paired Device` icon.
7. Select the `Yes` icon.

Deleting all devices

1. Select the ⚙ icon on the home screen and display the Settings screen.
2. Select the `Devices` tab.
3. Select the `Bluetooth` icon.
4. Select the `Bluetooth Setting` icon.
5. Select the `Remove All Paired Device` icon.
6. Select the `Yes` icon.

Changing PIN code

PIN code (4 digits) can be changed.

1. Select the ⚙ icon on the home screen and display the Settings screen.
2. Select the `Devices` tab.
3. Select the `Bluetooth` icon.
4. Select the `Bluetooth Setting` icon.
5. Select the `Change Paircode` icon.
6. Input the new PIN code to be set.
7. Select the `OK` icon.

▼ **Available Language (Type B)**

The Bluetooth® Hands-Free System applies to the following languages:

- English
- Spanish
- French

Refer to Settings on page 5-55

▼ **Voice Recognition (Type B)**

The Mazda Bluetooth® Hands-Free system can be used to make calls or operate the audio unit using voice recognition which includes numerous convenient commands. In this section, the basic operation of the voice recognition is explained.

Activating Voice Recognition

To Activate the Main Menu: Press the talk-button.

Ending Voice Recognition

Use one of the following methods:

- Press and hold the talk-button.
- **Say:** [Beep] "Cancel"
- Perform the touch panel operation or commander switch operation while the vehicle is stopped.

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Skipping Voice Guidance (for faster operation)

Press and release the talk-button.

NOTE

- *The Bluetooth® Hands-Free system is operable several seconds after the ignition is switched to ACC or ON (requires less than 15 seconds).*
- *When operating the audio unit or the A/C while using Bluetooth® Hands-Free, the beep sounds or voice guidance (audio unit)/cannot be heard.*

Troubleshooting for Voice Recognition

If you do not understand an operation method while in the voice recognition mode, say "Tutorial" or "Help".

Commands useable anytime during voice recognition

"Go Back" and "Cancel" are commands which can be used at anytime during voice recognition.

Returning to previous operation

This command is for returning to the previous operation while in the voice recognition mode.
Say: [Beep] "Go Back"

Cancel

The Bluetooth® Hands-Free system transitions to standby status if the following operation is performed while the system is activated.
Say: [Beep] "Cancel"

To prevent a deterioration in the voice recognition rate and voice quality, the following points should be observed:

- Phone related commands are available only when your phone is connected via Bluetooth®. Make sure your phone is connected via Bluetooth® before you operate phone related voice commands.
- Music play commands, such as Play Artist and Play Album can be used only in USB audio mode.
- Do not speak too slowly or loudly (no loud voice).
- Speak clearly, without pausing between words or numbers.
- The hands-free system cannot perform voice recognition while voice guidance or a beep sound is operating. Wait until the voice guidance or the beep sound is finished before saying your commands.
- Dialects or different wording other than hands-free prompts cannot be recognized by voice recognition. Speak in the wording specified by the voice commands.
- It is not necessary to face the microphone or approach it. Speak the voice commands while maintaining a safe driving position.
- Close the windows and/or the moonroof to reduce loud noises from outside the vehicle, or turn down the airflow of the air-conditioning system while Bluetooth® Hands-Free is being used.
- Make sure the vents are not directing air up towards the microphone.

NOTE

If the voice recognition performance is not satisfactory.
Refer to Troubleshooting (Type A/Type B) on page 5-132.

Bluetooth® Hands-Free (Type A)

▼Making a Call

Phonebook Usage

Telephone calls can be made by saying the name of a person (voice tag) whose phone number has been registered in Bluetooth® Hands-Free in advance. Refer to Phonebook registration.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Call"
3. **Prompt:** "Name please."
4. **Say:** [Beep] "XXXXX... (Ex. "John's phone")" (Say a voice tag registered in the phonebook.)
5. **Prompt:** "Calling XXXXX... (Ex. "John's phone") XXXX (Ex. "at home"). Is this correct?" (Voice tag and phone number location registered in phonebook).
6. **Say:** [Beep] "Yes"
7. **Prompt:** "Dialing"

NOTE

The "Call" command and the voice tag can be combined.
Ex. In Step 2, say, "Call John's phone", then, Steps 3 and 4 can be skipped.

Phonebook registration

Phone numbers can be registered to the Bluetooth® Hands-Free phonebook.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "New entry"
5. **Prompt:** "Name please."
6. **Say:** [Beep] "XXXXX... (Ex. "Mary's phone")" (Say a voice tag for the name registered.)
7. **Prompt:** "Adding XXXXX... (Ex. "Mary's phone") (Registered voice tag). Is this correct?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "Home, Work, Mobile, or Other?"
10. **Say:** [Beep] "Mobile" (Say "Home", "Work", "Mobile", or "Other", for the desired location to be registered.)
11. **Prompt:** "Mobile (Location to be registered). Is this correct?"
12. **Say:** [Beep] "Yes"
13. **Prompt:** "Number, please."
14. **Say:** [Beep] "XXXXXXXXXXX" (Say the phone number to be registered.)
15. **Prompt:** "XXXXXXXXXXX (Phone number registration). After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to save the number."

16.**(Registration)**
Press the pick-up button or say "Enter", then go to Step 17.
(Adding/inputting telephone number)
Say, "XXXX" (desired telephone number), then go to Step 15.
(Telephone number correction)
Say, "Go Back". The prompt replies, "Go Back. The last entered numbers have been removed.". Then go back to Step 13.

17.**Prompt:** "Number saved. Would you like to add another number for this entry?"

18.**Say:** [Beep] "Yes" or "No".

19.If "Yes", an additional phone number registration can be made for the same entry.
If "No", the system returns to standby status.

(Import contact)

Phonebook data from your device (Mobile phone) can be sent and registered to your Bluetooth® Hands-Free phonebook using Bluetooth®.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "Import contact"
5. **Prompt:** "Ready to receive a contact from the phone."
6. Device (Mobile phone) operation: Select one entry from the phonebook and send it using Bluetooth®.
7. **Prompt:** "X (Number of locations which include data) numbers have been imported. What name would you like to use for these numbers?"

8. **Say:** [Beep] "XXXXX... (Ex. "Mary's phone")" (Say a voice tag for the name registered.)
9. **Prompt:** "Adding XXXXX... (Ex. "Mary's phone") (Voice tag). Is this correct?"
10.**Say:** [Beep] "Yes"
11.**Prompt:** "Number saved. Would you like to import another contact?"
12.**Say:** [Beep] "Yes" or "No"
13.If "Yes", the procedure proceeds to Step 5.
If "No", the procedure proceeds to Step 14.
14.**Prompt:** "Returning to main menu."

Editing phonebook

The data registered to the Bluetooth® Hands-Free phonebook can be edited.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "Edit"
5. **Prompt:** "Please say the name of the entry you would like to edit or say, "List names"."
6. **Say:** [Beep] "XXXXX... (Ex. "Mary's phone")" (Say the voice tag for the registered name to be edited in the phonebook.)
7. **Prompt:** "Home, Work, Mobile, or Other?"

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8. **Say:** [Beep] "Home" (Say the registered location to be edited: "Home", "Work", "Mobile", or "Other".)
9. **Prompt:** "XXXXX... (Ex. "Mary's phone") (Registered voice tag) XXXX (Ex. "Home") (Registered location). Is this correct?"
10. **Say:** [Beep] "Yes"
11. **Prompt:** The current number is XXXXXXXXXXX (Ex. "555-1234") (Currently registered number). New number, please."

NOTE

If there was no previous phone number registered to a location (Ex. "Work"), the prompt will only read out "Number, please"

12. **Say:** [Beep] "XXXXXXXXXXX (Ex. "555-5678")" (Say the new phone number to be registered.)
13. **Prompt:** "XXXXXXXX (Telephone number) After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to save the number."
14. **(Number Change)**
   Press the pick-up button, then go to Step 15.
   (Adding/inputting telephone number)
   Say, "XXXX" (desired telephone number), then go to Step 13.
   (Telephone number correction)
   Say, "Go Back". The prompt replies, "Go Back. The last entered numbers have been removed. Number, please.". Then go back to Step 12.
15. **Prompt:** "Number changed."

Phonebook data deletion

(Erasing individual phonebook data)

Individual data registered to the Bluetooth® Hands-Free phonebook can be cleared.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "Delete"
5. **Prompt:** "Please say the name of the entry you would like to delete or say, "List names". "
6. **Say:** [Beep] "XXXXX... (Ex. "John's phone") " (Say the registered voice tag to be deleted from the phonebook.)
7. **Prompt:** "Deleting XXXXX... (Ex. "John's phone") (Registered voice tag) Home (Registered location). Is this correct?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "XXXXX... (Ex. "John's phone") (Registered voice tag) Home (Registered location) deleted, returning to main menu ."

(Complete deletion of the phonebook data)

All data registered to the Bluetooth® Hands-Free phonebook can be erased.

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NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "Erase all"
5. **Prompt:** "Are you sure you want to erase everything from your Hands Free system phonebook?"
6. **Say:** [Beep] "Yes"
7. **Prompt:** "You are about to delete everything from your Hands Free system phonebook. Do you want to continue?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "Please wait, erasing the Hands Free system phonebook."
10. **Prompt:** "Hands-Free system phonebook erased, returning to main menu ."

Read-out of names registered to the Bluetooth® Hands-Free phonebook

Bluetooth® Hands-Free can read out the list of names registered to its phonebook.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "List names"

5. **Prompt:** "XXXXX..., XXXXX..., XXXXX... (Ex. "John's phone", Mary's phone, Bill's phone)" (Voice guidance reads out the voice tags registered to the phonebook.)

Press the talk button with a short press during the read-out at the desired name, and then say one of the following voice commands to execute it.

- "Continue": Continues the list readout.
- "Call": Calls the registered phonebook data when the talk button is short-pressed.
- "Edit": Edits the registered phonebook data when the talk button is short-pressed.
- "Delete": Deletes the registered phonebook data when the talk button is short-pressed.
- "Previous": Returns to the previous phonebook data in read-out when the talk button is short-pressed.

6. **Prompt:** "End of list, would you like to start from the beginning?"
7. **Say:** [Beep] "No"
8. **Prompt:** "Returning to main menu."

Redial Function

Redialing the number of the person previously dialed using the phone is possible.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Redial"
3. **Prompt:** "Dialing"

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Telephone Number Input

NOTE

Practice this while parked until you are confident you can do it while driving in a non-taxing road situation. If you are not completely comfortable, make all calls from a safe parking position, and only start driving when you can devote your full attention to driving.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Dial"
3. **Prompt:** "Number, please"
4. **Say:** [Beep] "XXXXXXXXXXX (Telephone number)"
5. **Prompt:** "XXXXXXXXXXX. (Telephone number) After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to execute dialing."
6. **(Dialing)**
   Press the pick-up button or say "Dial", then go to Step 7.
   (Adding/inputting telephone number)
   Say, "XXXX" (desired telephone number), then go to Step 5.
   (Telephone number correction)
   Say, "Go Back". The prompt replies, "Go Back. The last entered numbers have been removed.". Then go back to Step 3.
7. **Prompt:** "Dialing"

NOTE

The "Dial" command and a telephone number can be combined.
Ex. In Step 2, say, "Dial 123-4567" then, Steps 3 and 4 can be skipped.

Emergency calls

A call can be made to the emergency phone number (911) using the voice input command.

1. Press the pick-up button or talk button with a short press.
2. **Say:** [Beep] "Emergency"
3. **Prompt:** "Dialing "911", is this correct?"
4. **Say:** [Beep] "Yes"
5. **Prompt:** "Dialing"

▼ Receiving an Incoming Call

1. **Prompt:** "Incoming call, press the pick-up button to answer"
2. To accept the call, press the pick-up button.
   To reject the call, press the hang-up button.

▼ Hanging Up a Call

Press the hang-up button during the call. A beep sound will confirm that call is ended.

▼ Mute

The microphone can be muted during a call.

1. Press the talk button with a short press.
2. **Say:** [Beep] "Mute"
3. **Prompt:** "Microphone muted"

Canceling mute

1. Press the talk button with a short press.
2. **Say:** [Beep] "Mute off"
3. **Prompt:** "Microphone unmuted"

▼ **Transferring a Call from Hands-Free to a Device (Mobile Phone)**

Communication between the hands-free unit and a device (Mobile phone) is canceled, and the line can be switched to a standard call using a device (Mobile phone).

1. Press the talk button with a short press.
2. **Say:** [Beep] "Transfer call"
3. **Prompt:** "Transferred call to phone"

▼ **Transferring a Call from a Device (Mobile Phone) to Hands-Free**

Communication between devices (Mobile phone) can be switched to Bluetooth® Hands-Free.

1. Press the talk button with a short press.
2. **Say:** [Beep] "Transfer call"
3. **Prompt:** "Transferred call to Hands Free system"

▼ **Call interrupt**

A call can be interrupted to receive an incoming call from a third party.
Switch to a new incoming call using the following methods.

Method 1

1. Press the pick-up button.
2. **Prompt:** "Swapping calls."

Method 2

1. Press the talk button with a short press.
2. **Say:** [Beep] "Swap calls"
3. **Prompt:** "Swapping calls."

NOTE
- *To refuse an incoming call, press the hang-up button.*
- *After receiving a new incoming call, the previous call is placed on hold.*

Switching calls

Switching back to the previous call can also be done.

Method 1

1. Press the pick-up button.
2. **Prompt:** "Swapping calls."

Method 2

1. Press the talk button with a short press.
2. **Say:** [Beep] "Swap calls"
3. **Prompt:** "Swapping calls."

Three-way call function

1. Press the talk button with a short press.
2. **Say:** [Beep] "Join calls"
3. **Prompt:** "Joining calls"

Making a call using a telephone number

1. Press the talk button with a short press.
2. **Say:** [Beep] "Dial"
3. **Prompt:** "Number, please"
4. **Say:** [Beep] "XXXXXXXXXXX (Telephone number)"
5. **Prompt:** "XXXXXXXXXXX. (Telephone number) After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to execute dialing."

6. **(Dialing)**
   Press the pick-up button or say "Dial",
   then go to Step 7.
   (Adding/inputting telephone number)
   Say, "XXXX" (desired telephone number), then go to Step 5.
   (Telephone number correction)
   Say, "Go Back". The prompt replies,
   "Go Back. The last entered numbers have been removed.". Then go back to Step 3.
7. **Prompt:** "Dialing"

Making calls using the phonebook

1. Press the talk button with a short press.
2. **Say:** [Beep] "Call"
3. **Prompt:** "Name please."
4. **Say:** [Beep] "XXXXX... (Ex. "John's phone")" (Say a voice tag registered in the phonebook.)
5. **Prompt:** "Calling XXXXX... (Ex. "John's phone") XXXX (Ex. "at home"). Is this correct?" (Voice tag and phone number location registered in phonebook).
6. **Say:** [Beep] "Yes"
7. **Prompt:** "Dialing"

Redialing function

1. Press the talk button with a short press.
2. **Say:** [Beep] "Redial"
3. **Prompt:** "Dialing"

Ending the current call

Press the hang-up button during the call.

▼ **DTMF (Dual Tone Multi-Frequency Signal) Transmission**

This function is used when transmitting DTMF via the user's voice. The receiver of a DTMF transmission is generally a home telephone answering machine or a company's automated guidance call center (When you send tone signals back according to the voice guidance recording).

1. Press the talk button with a short press.
2. **Say:** [Beep] "XXXX... send" (Say DTMF code)
3. **Prompt:** "Sending XXXX... (DTMF code)"

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Bluetooth® Hands-Free (Type B)

▼Making a Call

Phonebook Usage

Telephone calls can be made by saying the contact name in the downloaded phonebook or the name of a person whose phone number has been registered in the Bluetooth® Hands-Free. Refer to Import contact (Download Phonebook).

1. Press the talk-button.
2. Wait for the beep sound.
3. **Say:** "Call XXXXX... (Ex. "John") Mobile".
4. Follow the voice guidance to place the call.

Screen operation

1. Select the ⓒ icon on the home screen and display the Communication screen.
2. Select the Contacts icon to display the contact list.
3. Select the contact you would like to call to display the details for the contact.
4. Select the desired phone number to make the call.

Import contact (Download Phonebook)

Phonebook data from your device (Mobile phone) can be sent and registered to your Bluetooth® Hands-Free phonebook using Bluetooth®.

(Automatic downloading)

The "Auto Download Contacts" setting must be on. When hands-free is connected to the device, the phonebook is downloaded automatically.
Refer to Communication Settings on page 5-113.

(Manually downloading)

If the "Auto Download Contacts" setting is off, download the phonebook using the following procedure.

1. Select the ⓒ icon on the home screen and display the Communication screen.
2. Select the Contacts icon to display the contact list.
3. Select the Edit Contacts icon.
4. Select the Import All Contacts icon or Import Selected Contact icon to switch to the device operation.
5. If the Import All Contacts icon is selected, select the Download icon.
6. Download will be started from the mobile phone.

NOTE

- *If the phonebook has been already registered to the hands-free unit, the current phonebook is overwritten during "all phonebooks download".*
- *A maximum of 1000 contacts can be registered to the phonebook.*
- *Phonebook, incoming/outgoing call record, and favorite memories are exclusive to each mobile phone to protect privacy.*

Displaying phonebook

1. Press the talk button with a short press.
2. **Say:** [Beep] "(Go to/Show) Contacts" or "(Go to/Show) Phonebook"
   The phonebook is displayed.

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NOTE

The commands in the () can be omitted.

Phonebook data deletion

1. Select the ⓥ icon on the home screen and display the Communication screen.
2. Select the |Contacts| icon to display the contact list.
3. Select the contact information which you want to delete.
4. Select the |Remove contact| icon.
5. Select the |Remove| icon.
6. Select the |OK| icon.

Call History Usage

A call can be made using the call history (incoming/outgoing history) downloaded from the mobile phone (Redial/Call back). When the Hands-Free unit is connected to the device, or a call is ended while the "Auto Download Call History" setting is on, Call History is downloaded automatically.
Refer to Communication Settings on page 5-113.

1. Press the talk button with a short press.
2. **Say:** [Beep] "Recent Calls"
3. Call History is displayed.

NOTE

- *Select the |Missed Calls| icon to display the entire call history.*
- *Select the |All Calls| icon to display missed calls only.*
- *Anonymous calls are displayed as "Private" or "Unknown".*

Redial Function

This voice command makes a call to the last person you called (either from your mobile phone or from the vehicle).

1. Press the talk button with a short press.
2. **Say:** [Beep] "Redial"

Call back Function

This voice command makes a call to the last person who called you.

1. Press the talk button with a short press.
2. **Say:** [Beep] "Call back"

Favorites Contacts

A maximum of 50 contacts can be registered. It will take less time to make a call after registering the telephone number. In addition, you do not have to look for the person you want to call in the phonebook.

Registering to your favorites

1. Select the ⓥ icon on the home screen and display the Communication screen.
2. Select the |Favorites| icon to display the favorites list.
3. Select the |Add/Edit Communication Favorite| icon.
4. Select the |Add New Contact| icon.
5. Select the contact.

NOTE

If the battery is disconnected, your favorites list will not be deleted.

Making a call from your favorites

1. Select the ⓥ icon on the home screen and display the Communication screen.
2. Select the |Favorites| icon to display the favorites list.

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3. **(Only one phone number is registered to contact)**
   Select the contact information you would like to call. Go to Step 5.
   (Multiple phone numbers are registered to contact)
   Select the contact you would like to call to display the screen indicating the details for the contact. Go to Step 4.
4. Select the phone number you would like to call.
5. Select the YES icon.

Deleting from your favorites

1. Select the ⓒ icon on the home screen and display the Communication screen.
2. Select the Favorites icon to display the favorites list.
3. Select the Add/Edit Communication Favorite icon.
4. Select the Delete icon.
5. Select the contact information which you would like to delete.
6. Select the Delete icon.

Changing the display order of your favorites list

1. Select the ⓒ icon on the home screen and display the Communication screen.
2. Select the Favorites icon to display the favorites list.
3. Select the Add/Edit Communication Favorite icon.
4. Select the Move icon.
5. The contact can be moved after it is selected.
6. Move the radio station and select the OK icon.

Changing contact name of your favorites

1. Select the ⓒ icon on the home screen and display the Communication screen.
2. Select the Favorites icon to display the favorites list.
3. Select the Rename icon.
4. Select the contact to display the keyboard screen.
5. If a new name is input and the OK icon is selected, the contact name is stored.

NOTE

If the contact is long-pressed when the favorites list is displayed, the contact information can be edited (deleted, moved).

Telephone Number Input

NOTE

Practice this while parked until you are confident you can do it while driving in a non-taxing road situation. If you are not completely comfortable, make all calls from a safe parking position, and only start driving when you can devote your full attention to driving.

1. Press the pick-up button.
2. **Say:** [Beep] "Dial pad" or "Call number" or "Dial number"
3. **Prompt:** "Say the number you would like to dial."
4. **Say:** [Beep] "XXXXXXXXXXX (Ex. "5551234") (Telephone number)"
5. **Prompt:** "Continue to add numbers, or say Call"

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6. **(Dialing)**
   Press the pick-up button or say, "Call" or "Dial", then go to Step 7.
   (Adding/inputting telephone number)
   Say, "XXXX" (desired telephone number). Then go to Step 4.
7. The call is made.

Screen operation

1. Input the telephone number using the numerical keypad.
2. Select the 📞 icon to make the call.

NOTE

When the pick-up button or 📞 icon is selected, or "Call" or "Dial" is spoken before saying/inputting the phone number, the phone number of the person previously dialed is input.

Numeral or symbol entry

Use the numerical keypad.
Long-press the 0 ⊹ icon to input +.
Select the ✖ icon to delete the currently input value.
Long-press the ✖ icon to delete all input values.

Mobile 911

If the vehicle is involved in a moderate to severe collision, a call is made automatically to 911 from the connected device. The "Mobile 911" setting must be on.
Refer to Communication Settings on page 5-113.

⚠ CAUTION

➢ *Mobile 911 is a secondary function of the audio entertainment system. Therefore, the Mobile 911 function cannot assure that a call will always be made to 911 in the event that the vehicle is involved in an accident. Also, a hands-free device must be paired and connected. The 911 operator can verify the vehicle's position information using the GPS on the hands-free device if equipped. The 911 operator can verify the vehicle's position information.*

➢ *Though the system can be set to not call 911, doing so will defeat the purpose of the system to immediately contact rescue personnel to assist you after your accident. For the safety of the driver and all passengers, Mazda recommends that the Mobile 911 system remain activated so that a call will be made to 911 when needed.*

1. If the vehicle is involved in a moderate to severe collision, notification of the call to 911 is made via audio and screen display. To cancel the call, press the [Cancel call to 911 operator] icon or hang-up button within 10 seconds.
2. If the [Cancel call to 911 operator] icon or hang-up button is not pressed within 10 seconds, the call is made to 911 automatically.

▼**Receiving an Incoming Call**

When an incoming call is received, the incoming call notification screen is displayed. The "Incoming Call Notification" setting must be on.
Refer to Communication Settings on page 5-113.
To accept the call, press the pick-up button or select the ⌊Answer⌋ icon.
To reject the call, press the hang-up button or select the ⌊Ignore⌋ icon.
The following icons are displayed on the screen during a call. Icons which can be used differ depending on use conditions.

Icon	Function
📞	Displays the Communication menu.
☎	Ends the call.
📲	**Transferring a call from hands-free to a mobile phone** Communication between the hands-free unit and a device (Mobile phone) is canceled, and the line can be switched to the device (Mobile phone) as a standard call.
📱	**Transferring a call from a device (mobile phone) to hands-free** Communication between devices (mobile phone) can be switched to Bluetooth® Hands-Free.
🎙	**Mute** The microphone can be muted during a call. When selected again, the mute is canceled.
📞⊕	A call is made to other person during a call and a 3-way call can be made. Select the contact from the following to make a call. ⌊Call History⌋: Call History is displayed. ⌊Contacts⌋: The phonebook is displayed. ⌊Dial⌋: The dial pad is displayed. Input the phone number.
📞◄	The call on hold is made to make a 3-way call.
🔁	Switches the call on hold.
▦	**DTMF (Dual Tone Multi-Frequency Signal) Transmission** This function is used when transmitting DTMF via the Numerical Keypad. The receiver of a DTMF transmission is generally a home telephone answering machine or a company's automated guidance call center. Input the number using a numerical keypad.

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NOTE

- *If the ignition is switched off during a hands-free call, the line is transferred to the device (Mobile phone) automatically.*
- *If the DTMF code has two or more digits or symbols, each one must be transmitted individually.*

▼**Call Interrupt**

A call can be interrupted to receive an incoming call from a third party.
When the Hold + Answer icon is selected or the pick-up button on the steering wheel is pressed, the current call is held and the system switches to the new incoming call.
When the End + Answer icon is selected, the current call is ended and the system switches to the new incoming call.
When the Ignore icon is selected or the hang-up button on the steering wheel is pressed, an incoming call is refused.

▼**Receiving and Replying to Messages (available only with Email/SMS compatible phones)**

SMS (Short Message Service) messages, MMS (Multimedia Messaging Service) messages, and E-mail received by connected devices can be downloaded, displayed, and played (read by the system).
Additionally, replies can also be made to calls and messages in the received messages.

Downloading messages

Up to 20 new messages can be downloaded and displayed from a connected device.

NOTE

For e-mail, 20 messages for each account can be downloaded.

(Automatic downloading)

The "Auto Download Email" (E-mail) or "Auto Download Text" (SMS/MMS) setting must be on. When the hands-free unit is connected to the device, a message is downloaded automatically.
Refer to Communication Settings on page 5-113.

(Manually downloading)

When the "Auto Download Email" (E-mail) or "Auto Download Text" (SMS/MMS) setting is off, the phonebook is downloaded using the following procedure.

1. Select the Ⓒ icon on the home screen and display the Communication screen.
2. Select the Email icon or SMS icon to display the Inbox.
3. Select the Update inbox icon.
4. Download will be started from the mobile phone.

NOTE

- *Attached data is not downloaded.*
- *Messages up to 1 kilobyte (e-mail)/160-bytes (SMS/MMS) can be downloaded.*
- *A message list is created for each device.*
- *If the connected device does not correspond to MAP 1.0, the AT command is used to download. The downloaded message indicates that it is already read.*
- *Downloading using the AT command may not function depending on the connected device.*

Receiving messages

(Method 1)

When a device receives a message, a message received notification is displayed. The "E-mail/SMS Notifications" setting must be on.
Refer to Communication Settings on page 5-113.
Select the READ icon and display the message.

(Method 2)

1. Select the Ⓒ icon on the home screen and display the Communication screen.
2. Select the Notifications icon and display the new message list for e-mail and SMS/MMS.
3. Select the message you would like to display.

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The following icons are displayed in the lower part of the details on the message. Icons which can be used differ depending on use conditions.

Icon	Function
	Displays the Communication menu.
	Displays the inbox.
	Plays back a message.When selected again, playback is temporarily stopped.
	Displays the previous message.
	Displays the next message.
	Replies to a message. Select the sentence on the displayed reply screen and select the sentence for sending from the preset message. Select the Send icon.
	(Only E-mail) Replies to all members including CC. Select the sentence on the displayed reply screen and select the sentence for sending from the preset message. Select the Send icon.
	Makes a call to a person who sent a message. For E-mail, if a phone number of a person who sent a message is in the phonebook, a call can be made.
	Deletes a message. The messages stored in a device is also deleted.

NOTE

Up to three preset messages can be selected.

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Example of use (verify unread E-mail)

1. Select the 🖾 icon on the home screen and display the Communication screen.
2. Select the Email icon to display the inbox.

```
⌂ Email              📶 10:20
  ⬇ Update inbox
  ✉ Inbox        Now Viewing: All Inboxes
◁ 👤 XXXXXX           11:56 XX X XXX
                            ○○○
  👤 xxxxx@mazda.com   9:16 XX X XXX
                            ○○○
  👤 XXXXXX            9:13 XX X XXX
                            ○○○
  👤 XXXXXX           10:32 XX X XXX
                            ○○○
```

3. Select the unread message displayed in bold.
4. The details of the message are displayed and replying to the message, making a call, or playback can be performed.

Changing account for displaying (E-mail only)

1. Select the Inbox icon.
2. Select the account which you would like to display. Only the messages for the selected account are displayed in the inbox.

Editing preset messages

1. Select the 🖾 icon on the home screen and display the Communication screen.
2. Select the Settings icon.
3. Select the Preset Messages icon.
4. Select the preset message which you would like to edit. The keyboard screen is displayed.
5. When the message is input and ✔ is selected, the message is stored as a preset message.

NOTE

- *Select the ⊕ icon to change the language.*
- *Select the ⬆ icon to switch between capitalized and lower-case characters.*
- *Select the ⊗ icon to return to the previous screen without storing the edit.*

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▼**Communication Settings**

Select the ⓒ icon on the home screen and display the Communication screen.
Select the | Settings | icon to change the setting.

Item	Setting	Function
Email/SMS Notifications	On/Off	Notifies when a new messages is received.
Incoming Call Notification	On/Off	Notifies when an incoming call is received.
Auto Download Call history	On/Off	Downloads Call History automatically when the hands-free unit is connected to the device.
Auto Download Contacts	On/Off	Downloads the phonebook automatically when the hands-free unit is connected to the device.
Auto Download Text	On/Off	Downloads SMS/MMS automatically when the hands-free unit is connected to the device.
Auto Download Email	On/Off	Downloads E-mail automatically when the hands-free unit is connected to the device.
Ringtone	Fixed/In-band/Off	Changes the ringtone setting.
Phone Volume	Adjusts using the slider.	Adjusts the conversation volume.
VR and Ringtone	Adjusts using the slider.	Adjusts the voice guidance and ringtone volume.
Contacts Sort Order	First Name, Last Name	Displays the contact information in alphabetical order of the first name.
	Last Name, First Name	Displays the contact information in alphabetical order of the last name.
Preset Messages	—	Edits the preset message. Refer to Receiving and Replying to Messages (available only with Email/SMS compatible phones) on page 5-110
Mobile 911	On/Off	Mobile Utilizes the Mobile 911 function.
Reset Communication Settings	—	Initializes all Communication Settings.

▼Audio Operation Using Voice Recognition

Main audio operation

When the talk button is pressed and the following command is spoken out, the audio can be operated. The commands in the () can be omitted. The specified name and number are put into the { }.

Voice command	Function	Corresponding audio source
(Go to/Play) AM (Radio)	Switches the audio source to AM radio.	All
(Go to/Play) FM (Radio)	Switches the audio source to FM radio.	All
(Go to/Play) Bluetooth (Audio)	Switches the audio source to BT audio.	All
(Go to/Play) Pandora	Switches the audio source to Pandora®	All
(Go to/Play) Aha (Radio)	Switches the audio source to Aha™ Radio.	All
(Go to/Play) Stitcher	Switches the audio source to Stitcher™	All
(Go to/Play) USB 1	Switches the audio source to USB 1.	All
(Go to/Play) USB 2	Switches the audio source to USB 2.	All
Play Playlist {Playlist name}	Plays the selected playlist.	USB
Play Artist {Artist name}	Plays the selected artist.	USB
Play Album {Album name}	Plays the selected album.	USB
Play Genre {Genre name}	Plays the selected genre.	USB
Play Folder {Folder name}	Plays the selected folder.	USB
Play Audiobooks	Displays the list at the top level of the Audiobooks.	USB
Play Podcasts	Displays the list at the top level of the Podcasts.	USB

NOTE

- *The above commands are examples of the available commands.*
- *Some commands cannot be used depending on devices and use conditions.*
- *If the Bluetooth® device, USB, or AUX is not connected, the related commands cannot be used.*

▼**Gracenote Database**

The Gracenote media database is used to improve voice recognition of artist and album names with the Mazda Hands Free system. To make best use of the voice recognition, install the most recent database.

⚠ CAUTION

For information related to the most recent Gracenote database which can be used and how to install it, go to the Mazda Hands Free Website:
http://www.mazdahandsfree.com

Introduction

Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit www.gracenote.com.

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Updating the database

The Gracenote media database can be updated using USB device.

1. Connect a USB device containing the software for updating Gracenote.
2. Select the ⚙ icon on the home screen and display the Settings screen.
3. Select the ⌞System⌝ tab and select the ⌞Music Database Update⌝ icon.
4. Select the ⌞Search⌝ icon. The list of the update package stored in the USB device and the version are displayed.
5. Select the package to use the update.
6. Select the ⌞Install⌝ icon.

NOTE

Gracenote can be downloaded from the Mazda Hands-free Website.

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Bluetooth® Audio (Type A)

Applicable Bluetooth® specification
Ver. 2.0 or higher

Response profile

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0/1.2
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0/1.3

A2DP is a profile which transmits only audio to the Bluetooth® unit. If your Bluetooth® audio device corresponds only to A2DP, but not AVRCP, you cannot operate it using the control panel of the vehicle's audio system. In this case, the Bluetooth® audio device can be operated by controlling the device itself, the same as when a portable audio system without the Bluetooth® communication function is connected to the AUX terminal.

Function	A2DP	AVRCP	
		Ver. 1.0	Ver. 1.3
Playback	—	X	X
Pause	—	X	X
File (Track) up/down	—	X	X
Reverse	—	—	X
Fast-forward	—	—	X
Text display	—	—	X

X: Available
—: Not available

NOTE

- *The battery consumption of Bluetooth® audio devices increases while Bluetooth® is connected.*
- *If a general mobile phone device is USB connected during music playback over the Bluetooth® connection, the Bluetooth® connection is disconnected. For this reason, you cannot have music playback over a Bluetooth® connection and music playback using a USB connection at the same time.*
- *The system may not operate normally depending on the Bluetooth® audio device.*

▼How to Use the Bluetooth® Audio System

Switching to Bluetooth® audio mode

To listen to music or voice audio recorded to a Bluetooth® audio device, switch to the Bluetooth® audio mode to operate the audio device using the audio system control panel. Any Bluetooth® audio device must be programmed to the vehicle's Bluetooth® unit before it can be used.
Refer to Bluetooth® Preparation (Type A) on page 5-79

1. Turn on the Bluetooth® audio device's power.
2. Switch the ignition to ACC or ON. Make sure that the " ♪ " symbol is displayed in the audio display. The symbol is not displayed if an unprogrammed Bluetooth® audio device is being used or the vehicle's Bluetooth® unit has a malfunction.

NOTE

Some Bluetooth® audio devices need a certain amount of time before the "♪" symbol is displayed.

3. Press the media button (**MEDIA**) to switch to the Bluetooth® audio mode and start playback.

If the current device version is lower than AVRCP Ver. 1.3: "BT Audio" is displayed.
If the current device is AVRCP Ver. 1.3: The playback time is displayed.

NOTE

- *If the Bluetooth® audio device does not begin playback, press the Play/Pause button (4).*
- *If a call is received on a hands-free mobile phone during playback from the Bluetooth® audio device, the playback is stopped. Playback from the Bluetooth® audio device resumes after the call ends.*

Playback

1. To listen to a Bluetooth® audio device over the vehicle's speaker system, switch the mode to Bluetooth® audio mode. (Refer to "Switching to Bluetooth® audio mode")
2. To stop playback, press the Play/Pause button (4).
3. Press the button again to resume playback.

Selecting a file (track)

Selects the next file (track)

Short-press the track up button (▶▶|).

Selects the beginning of the current file (track)

Short-press the track down button (|◀◀).

Fast-forward/Reverse (AVRCP Ver. 1.3)

Fast-forward

Press and hold the fast-forward button (▶▶|).

Reverse

Press and hold the reverse down button (|◀◀).

Switching the display (only AVRCP Ver. 1.3)

For files with a song title and other information that have been input, the display switches between display of the song title and other information each time the text button (3) is pressed during playback.

Playback time
↓
Album title
↓
Song title
↓
Artist name

3

NOTE

- *If title information is not available, "NO TITLE" is displayed.*
- *This unit cannot display some characters. Characters which cannot be displayed are indicated by an asterisk (✳).*

Display scroll

Only 13 characters can be displayed at one time. To display the rest of the characters of a long title, press and hold the text button (3). The display scrolls the next 13 characters. Press and hold the text button (3) again after the last 13 characters have been displayed to return to the beginning of the title.

▼**Bluetooth® Audio Device Information Display**

If a Bluetooth® audio device is connected, the following information is displayed in the audio display.

	AVRCP Ver. lower than 1.3	AVRCP Ver. 1.3
Device name	X	X
Title	—	X
Artist name	—	X
Album name	—	X
File number	—	X
Playback time	—	X
Folder number	—	—

X: Available
—: Not available

NOTE

Some information may not display depending on the device, and if the information cannot be displayed, "NO TITLE" is indicated.

Bluetooth® Audio (Type B)

Applicable Bluetooth® specification
Ver. 2.1 + EDR
Response profile

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0/1.2
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0/1.3/1.4

A2DP is a profile which transmits only audio to the Bluetooth® unit. If your Bluetooth® audio device corresponds only to A2DP, but not AVRCP, you cannot operate it using the control panel of the vehicle's audio system. In this case, the Bluetooth® audio device can be operated by controlling the device itself, the same as when a portable audio system without the Bluetooth® communication function is connected to the AUX terminal.

Function	A2DP	AVRCP Ver. 1.0	AVRCP Ver. 1.3	AVRCP Ver. 1.4
Playback	X	X	X	X
Pause	X	X	X	X
File (Track) up/down	—	X	X	X
Reverse	—	—	X	X
Fast-forward	—	—	X	X
Text display	—	—	X	X
Repeat	—	—	Depends on device	Depends on device
Shuffle	—	—	Depends on device	Depends on device
Scan	—	—	Depends on device	Depends on device
Folder up/down	—	—	—	X

X: Available
—: Not available

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NOTE

- *The battery consumption of Bluetooth® audio devices increases while Bluetooth® is connected.*
- *If a general mobile phone device is USB connected during music playback over the Bluetooth® connection, the Bluetooth® connection is disconnected. For this reason, you cannot have music playback over a Bluetooth® connection and music playback using a USB connection at the same time.*
- *The system may not operate normally depending on the Bluetooth® audio device.*

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▼**How to Use the Bluetooth® Audio System**

Switching to Bluetooth® audio mode

To listen to music or voice audio recorded to a Bluetooth® audio device, switch to the Bluetooth® audio mode to operate the audio device using the audio system control panel. Any Bluetooth® audio device must be programmed to the vehicle's Bluetooth® unit before it can be used.
Refer to Bluetooth® Preparation (Type B) on page 5-93.

1. Turn on the Bluetooth® audio device's power.
2. Switch the ignition to ACC or ON.
3. Select the 🎵 icon on the home screen and display the Audio screen.
4. When Bluetooth® is selected, switches to the Bluetooth® audio mode to begin playback.

NOTE

- *If the Bluetooth® audio device does not begin playback, select the ▶ǁ icon.*
- *If the mode is switched from Bluetooth® audio mode to another mode (radio mode), audio playback from the Bluetooth® audio device stops.*

Playback

To listen to a Bluetooth® audio device over the vehicle's speaker system, switch the mode to Bluetooth® audio mode. (Refer to "Switching to Bluetooth® audio mode")
After switching to the Bluetooth® audio mode, the following icons are displayed in the lower part of the display. Icons which can be used differ depending on the version of the Bluetooth® audio device which you are currently using.

Icon	Function
🎵	Displays the Audio menu. Use to switch to a different audio source.
☰	**(AVRCP Ver. 1.4 only)** Displays the top level folder/file list. Select the folder which you want to select. The files in the selected folder are displayed. Select the file you want to play.
🔁	**(AVRCP Ver. 1.3 or higher)** Replays the song currently being played repeatedly. When selected again, the songs in the folder are played repeatedly. Select it again to cancel. Icons change when the song is repeated or the folder is repeated.
🔀	**(AVRCP Ver. 1.3 or higher)** Plays songs in the folder in random order. When selected again, the songs on the device are played in random order. Select it again to cancel. Icons change during folder shuffle or device shuffle.

Icon	Function
	(MP3/WMA/AAC CD) Scans the titles in a folder and plays the beginning of each song to aid in finding a desired song. When selected again, the beginning of each song on the device is played. When selected again, the operation is canceled and the song currently being played continues.
	Returns to the beginning of the previous song. Long-press to fast reverse. It stops when you remove your hand from the icon or the commander knob.
	Plays the Bluetooth® audio. When selected again, playback is temporarily stopped.
	Advances to the beginning of the next song. Long-press to fast forward. It stops when you remove your hand from the icon or the commander knob.
	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

Example of use (When searching for a song from the top level of a device)

1. Select the ▤ icon and display the folder/file list at the top level.

2. When the folder is selected, folders/file lists in the folder are displayed.
   When the playlist is selected, the file list is displayed.
3. Select the desired song.

NOTE

Select the ▣ *icon to move to a folder one level higher.*

▼**Bluetooth® Audio Device Information Display**

If a Bluetooth® audio device is connected, the following information is displayed in the audio display.

	AVRCP Ver. lower than 1.3	AVRCP Ver. 1.3	AVRCP Ver. 1.4 or higher
Device name	X	X	X
Remaining battery charge of device	X	X	X
Song name	—	X	X
Artist name	—	X	X
Album name	—	X	X
Playback time	—	X	X
Genre name	—	X	X

X: Available
—: Not available

NOTE

Some information may not display depending on the device, and if the information cannot be displayed, "Unknown - - -" is indicated.

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▼How to Use Pandora®

What is Pandora®?

Pandora® is free personalized Internet radio. Simply enter a favorite artist, track, genre, and Pandora® will create a personalized station that plays their music and more like it. Rate songs by giving thumbs-up and thumbs-down feedback to further refine your station, discover new music and help Pandora® play only music you like.

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NOTE

To operate Pandora® from your Bluetooth® device, perform the following in advance:

 • *Create Pandora® account on the Web.*
 • *Create Pandora® station using Pandora® application.*
 • *Install Pandora® application on your device.*

Playback

Select the ♫ icon on the home screen and display the Audio screen. When ⌴Pandora⌴ icon is selected, the following icons are indicated in the bottom part of the audio display.

Icon	Function
♫	Displays the Audio menu. Use to switch to a different audio source.
☰	Displays the station list. Use to switch to other stations.
👎	**Thumbs-Down** Press the 👎 icon to tell Pandora® not to play this track.
👍	**Thumbs-Up** Press the 👍 icon to tell Pandora® "you like this track" and it helps to bring in more tracks like it to your station.
🔖	**Bookmarking** Bookmarks the song or artist currently being played.
▶❙❙	Plays the track. When selected again, playback is temporarily stopped.
▶❙	Goes to the next song.
▦	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

NOTE

- *The skip function may not be available depending on the device.*
- *The number of skips is limited by Pandora®.*
- *If the ♥ icon is selected when the skip song function is running, the next song is skipped.*

Selection from station list

Selection can be made from a programmed radio station list.

1. Select the ☷ icon.
2. Select the desired radio station.

NOTE

When ⌊Quick Mix⌋ is selected, songs randomly selected from the radio station list are played.

Selecting the sort method

The displayed order of the station list can be changed.

1. Select the ☷ icon.
2. Select the ⌊Sort By:⌋ icon.
3. Select the ⌊Date⌋ icon to display in the order starting from the newly created station.
4. Select the ⌊A-Z⌋ icon to display in alphabetical order.

NOTE

The displayed order of ⌊Quick Mix⌋ cannot be changed.

Bookmarking

You can bookmark song or artist to check out later on the Web.

1. Select the ◖ icon.
2. Select ⌊Bookmark Song⌋ to bookmark the song.
3. Select ⌊Bookmark Artist⌋ to bookmark the artist.

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▼**How to Use Aha™ Radio**

Aha™ Radio is an application which can be accessed easily by personalizing various Internet content such as Internet radio and podcasts.
"Feeds from friends" can be checked in conjunction with Facebook or Twitter.
Your travel is assisted by locating surrounding restaurants or cafes, or acquiring traffic information in real time using the Location Based Services.
For details on Aha™ Radio, refer to "http://www.aharadio.com/".

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NOTE
- *The service content provided by Aha™ Radio varies depending on the country in which the user resides.*
- *To operate Aha™ Radio from your Bluetooth® device, perform the following in advance:*

  - *Install the Aha™ Radio application to your device.*
  - *Create an Aha™ Radio account for your device.*
  - *Log onto Aha™ Radio using your device.*
  - *Select the preset station on your device.*

<u>Playback</u>

Select the 🎵 icon on the home screen and display the Audio screen. When the ⌐Aha⌐ icon is selected, the following icons are displayed at the bottom of the audio display. The displayed icon differs depending on the selected station.
In addition, icons other than these icons may be displayed.

Icon	Function
🎵	Displays the Audio menu. Use to switch to a different audio source.
☰	Displays the main menu. Use to switch to other stations.
📁	Displays the content list. Use to switch to other desired content on the station.
⟲:15	Reverses for 15 seconds.
⟳:30	Fast-forwards for 30 seconds.
👍	**Like/Thumbs-Up** Evaluates the current content as "Like".

Icon	Function
👎	**Dislike/Thumbs-Down** Evaluates the current content as "Dislike".
🎤	**Shout** Records voice. Records voice and posts it on Facebook, Traffic, or Driver Rants.
🗺	**Map (Only navigation-equipped vehicles)** Sets the destination of the navigation to the location searched using the Location Based Services.
📞	**Call** A call can be made to the telephone number of a shop searched using the Location Based Services. Can be used only when the connected device is connected as Hands-Free.
⏮	Returns to the previous content.
⏯	Pauses playback of the content. When selected again, playback resumes.
⏭	Goes to the next content.
▁▃▅	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

Main menu

Select the ☰ icon.

Switch the tab and select the station category.
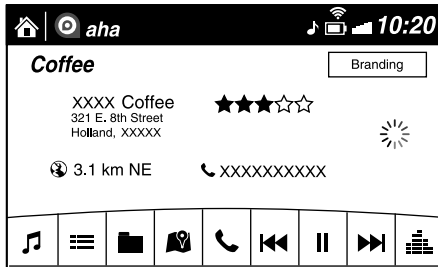
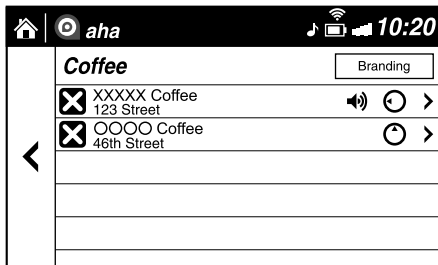| Tab	Station	Function
Presets	Displays the preset station list set on the device. Select the preset station name to play the station content.	
Location Based Services	Coffee	Provides guidance to a cafe close to your vehicle's location. You can designate desired categories previously set using the filter setting on your device.
	Traffic	Provides guidance on traffic information such as construction and traffic jams occurring close to your vehicle's location.
	Hungry	Provides guidance to a restaurant close to your vehicle's location. You can designate desired categories previously set using the filter setting on your device.

NOTE

The available Location Based Services may differ because the services depend on the content provided by Aha™.

Example of use (Location Based Services (Coffee))

1. Select the ⎡Coffee⎤ icon from the Location Based Services in the main menu. The cafe name or address playback starts in the order of the cafe search list.

2. Select the ☐ icon and display the content list. Other cafes can be selected.
   Other cafes can be selected from the list.

3. Select the 🏴 icon and display the position of the currently displayed cafe in the navigation (only with navigation system).
4. Select the 📞 icon and make a call to the currently displayed cafe.

Shout

Stations such as Facebook, Traffic, or Driver Rants can record or post voice using the "Shout" function.

1. Select the 🎤 icon and start the countdown (3, 2, 1, 0). Recording starts when the countdown reaches zero.
2. Records voice.
3. Select the ⎡SAVE⎤ icon and store/post the recording.

NOTE

- *A maximum of 30 seconds can be recorded.*
- *Recording is stopped automatically after 30 seconds have elapsed from when the recording started. You can then store or delete the recording.*

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▼**How to Use Stitcher™ Radio**

What is Stitcher™ Radio?

Stitcher™ Radio is an application for streaming Internet radio or podcasts on demand. Recommended content is automatically selected by registering content which you put into your favorites, or by pressing the Thumbs-Up or Thumbs-Down button.
For details on Stitcher™ Radio, refer to "http://stitcher.com/".

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NOTE

To operate Stitcher™ Radio from your Bluetooth® device, perform the following in advance:

- *Install the Stitcher™ Radio application to your device.*
- *Create a Stitcher™ Radio account for your device.*
- *Log onto Stitcher™ Radio using your device.*

Playback

Select the Audio screen and display the ♫ icon on the home screen. When ⌐Stitcher⌐ icon is selected, the following icons are indicated in the bottom part of the audio display.

Icon	Function
♫	Displays the Audio menu. Use to switch to a different audio source.
≣	Displays the station list. Use to switch to other stations.
👎	**Thumbs-Down** Evaluates the current program as "Dislike".
👍	**Thumbs-Up** Evaluates the current program as "Like".
★	Adds the current station to your favorites or deletes the current station from your favorites.
↺:30	Reverses for 30 seconds.
▶❙❙	Plays the station. Select it again to pause playback.
▶▶❙	Goes to the next station.

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Icon	Function
▄▄	Adjusts the audio quality level. Refer to Volume/Display/Sound Controls on page 5-42.

Station list

1. Select the ☰ icon and display the station list.
   ① Favorites station name: Select to display the program registered to your favorites.
   ② Category name: A recommended category selected from your favorites by Stitcher™ is displayed.
   Select it to display the category program.

2. Select the program name to play it.

Add to your favorites

If the current program has not been registered to your favorites, it can be registered to your favorites.

1. Select the ★ icon to display the favorites station which the registration can be added.

```
🏠 Stitcher          ♪ ■ ◢ 10:20
  Select the station(s) that will include this show
    ☐ Custom Station 1
    ☐ Custom Station 2
    ☐ Custom Station 3
    ☐ Custom Station 4
    BACK              OK
```

2. Select the station name which you want to register.
3. Select the OK button to add the program to the selected favorites station.

NOTE

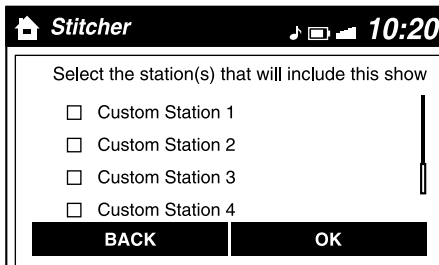- *Multiple favorites stations can be selected and registered.*
- *Favorites stations registered by oneself as well those set by default are displayed.*

Delete from your favorites

If the current program has already been registered to your favorites, the program can be deleted from your favorites.

1. Select the ★ icon.
2. The program is automatically deleted from the favorites station.

Troubleshooting (Type A/ Type B)

Mazda Bluetooth® Hands-Free Customer Service

If you have any problems with Bluetooth®, contact with our toll-free customer service center.

- **U.S.A.**
  Phone: 800-430-0153 (Toll-free)
  Web: www.MazdaUSA.com/bluetooth
- **Canada**
  Phone: 800-430-0153 (Toll-free)
  Web: www.mazdahandsfree.ca

Bluetooth® Device pairing, connection problems

Symptom	Cause	Solution method
Unable to perform pairing	—	First make sure the device is compatible with the Bluetooth® unit, and then check whether the Bluetooth® function and the Find Mode/Visible setting*1 on the device are turned on. If pairing is still not possible after this, contact an Authorized Mazda Dealer or Mazda Bluetooth® Hands-Free Customer Service.

Symptom	Cause	Solution method
Unable to perform pairing	The Bluetooth® function and the Find Mode/Visible setting*1 on the device may turn off automatically after a period of time has elapsed depending on the device.	Check whether the Bluetooth® function and the Find Mode/Visible setting*1 on the device are turned on and pairing or reconnect.
Does not connect automatically when starting the engine		
Automatically connects, but then disconnects suddenly		
Disconnects intermittently	The device is in a location in which radio wave interference can occur easily, such as inside a bag in a rear seat, in a rear pocket of a pair of pants.	Move the device to a location in which radio wave interference is less likely to occur.
Unable to pair devices previously paired or devices in which pairing was attempted	The pairing information programmed to the Bluetooth® unit or device is not recognized correctly.	Perform pairing using the following procedure. •Delete the Mazda vehicle information programmed to the device. •Delete the device information programmed to the Bluetooth® unit. •Perform pairing again.
Does not connect automatically when starting the engine	The programmed pairing information is updated when the device OS is updated.	Perform pairing again.

*1 Setting which detects the existence of a device external to the Bluetooth® unit

NOTE
- *When you update the operating system of your mobile device (such as Windows/Android/iOS) the pairing information may be invalidated. Therefore, the device may need to be reprogrammed to the hands-free unit.*
- *If you pair your phone which has already been paired to your vehicle more than once in the past, you need to delete "Mazda" on your mobile device. Then, execute the Bluetooth® search on your mobile device once again, and pair to a newly detected "Mazda".*
- *Before you pair your device, make sure that Bluetooth® is "ON", both on your phone and on the vehicle.*

Voice recognition related problems

Symptom	Cause	Solution method
Poor voice recognition		Regarding the causes indicated on the left, be careful with how you speak. In addition, when numbers are spoken in a sequence, recognition ability will improve if no stop is placed between the numbers.
False recognition of numbers	•Excessive, slow speech. •Excessive, forceful speech (shouting). •Speaking before the beep sound has ended. •Loud noise (speaking or noise from outside/inside vehicle). •Airflow from A/C is blowing against the microphone. •Speaking in off-standard expressions (dialect).	

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Symptom	Cause	Solution method
Poor voice recognition	There is a malfunction in the microphone.	A poor connection or malfunction with the microphone may have occurred. Consult an Authorized Mazda Dealer.
Phone-related voice recognition is disabled	There is a problem with the connection between the Bluetooth® unit and the device.	If there is any malfunction after checking the pairing situation, check for device pairing or connection problems.
Names in the phonebook are not easily recognized	The Bluetooth® system is under a condition in which recognition is difficult.	By carrying out the following measures, the rate of recognition will improve. •Clear memory from the phonebook which is not used very often. •Avoid shortened names, use full names. (Recognition improves the longer the name is. By not using names such as "Mom", "Dad", recognition will improve.)
When operating the audio, a song name is not recognized	Song names cannot be recognized by voice.	—

Symptom	Cause	Solution method
You want to skip guidance	—	Guidance can be skipped by quickly pressing and releasing the Talk button.
When the Talk button is pressed, voice recognition ends	The Talk button is pressed for too long.	Operate the Talk button as follows: •Press the button and release it within 0.7 seconds to start voice recognition and skip the guidance. •Press the button for longer than 0.7 seconds to turn off voice recognition or end a conversation.

Regarding problems with calls

Symptom	Cause	Solution method
When starting a call, vehicle noise from the other party can be heard	For about three seconds after starting a call, the Bluetooth® unit's Noise Suppression function requires time to adapt to the call environment.	This does not indicate a problem with the device.
The other party cannot be heard or the speaker's voice is quiet	The volume is set at zero or low.	Increase the volume.

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Other problems

Symptom	Cause	Solution method
The indication for the remaining battery is different between the vehicle and the device	The indication method is different between the vehicle and the device.	—
When a call is made from the vehicle, the telephone number is updated in the incoming/outgoing call record but the name does not appear	The number has not been registered into the phonebook.	If the number has been registered into the phonebook, the incoming/outgoing call record is updated by the name in the phonebook when the engine is restarted.
The cell phone does not synchronize with the vehicle regarding the incoming/outgoing call record	Some types of cell phones do not synchronize automatically.	Operate the cell phone for synchronization.
It takes a long time to complete the function for changing the language	A maximum of 60 seconds is required.	—

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