AVALON/ AVALON HYBRID

2019

NAVIGATION AND MULTIMEDIA SYSTEM OWNER'S MANUAL

TOYOTA

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About the following equipment, see the “OWNER’S MANUAL”.

- Fuel consumption
- Energy monitor (AVALON HYBRID)
- Rear Cross Traffic Alert
- Rear Camera Detection Function
- Intuitive parking assist
- Intelligent Clearance Sonar (ICS)
- Vehicle customization settings
- Drive Mode customization settings
- Air conditioning

Introduction

NAVIGATION AND MULTIMEDIA SYSTEM OWNER'S MANUAL

This manual explains the operation of this system. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The screens shown in this manual may differ from the actual screen of the system depending on availability of functions, Toyota Entune subscription status, and map data available at the time this manual was produced.

The screens in this manual will also differ if the screen theme settings have been changed. (Theme setting: →P.62)

Please be aware that the content of this manual may be different from this system in some cases, such as when the system's software is updated.

NAVIGATION SYSTEM (ENTUNE PREMIUM AUDIO)

The Navigation System is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses AISIN AW maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or "short cut" may at times be faster than the calculated routes.

The navigation system's database includes Point of Interest categories to allow you to easily select destinations such as restaurants and hotels. If a destination is not in the database, you can enter the street address close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in when approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on satellite conditions, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to page 284.

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IMPORTANT INFORMATION ABOUT THIS MANUAL

For safety reasons, this manual indicates items requiring particular attention with the following marks.

⚠ WARNING

- This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

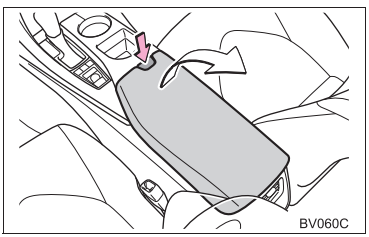
⚠ NOTICE

- This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.

SYMBOLS USED IN ILLUSTRATIONS

Safety symbol

The symbol of a circle with a slash through it means “Do not”, “Do not do this” or “Do not let this happen”.

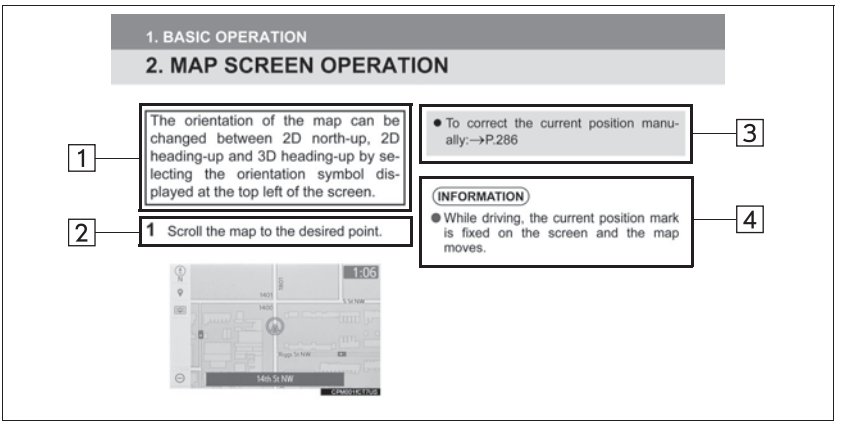


Arrows indicating operations

➡ Indicates the action (pushing, turning, etc.) used to operate switches and other devices.

⇨ Indicates the outcome of an operation (e.g. a lid opens).

HOW TO READ THIS MANUAL



No.	Name	Description
1	Operational Outlines	An outline of the operation is explained.
2	Main Operations	The steps of an operation are explained.
3	Related Operations	A main operation's supplementary operations are described.
4	Information	Useful information for the user is described.

INFORMATION FOR HYBRID VEHICLES IS WRITTEN IN BRACKETS NEXT TO THE INFORMATION FOR GASOLINE VEHICLES

Different writing styles for gasoline and hybrid vehicles

▶Example

When the engine*1 <power>*2 switch is turned to ACCESSORY or IGNITION ON*1 <ON>*2 mode, the initial screen will be displayed and the system will begin operating.

*1: Vehicles with gasoline engine

*2: Vehicles with hybrid system

SAFETY INSTRUCTION (ENTUNE AUDIO PLUS)

To use this system in the safest possible manner, follow all the safety tips shown below.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed.

WARNING

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.

SAFETY INSTRUCTION (ENTUNE PREMIUM AUDIO)

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed.

WARNING

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current position correctly, there is a possibility of incorrect, late, or non-voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instructions from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. Under no circumstances is this system a substitute for the driver's personal judgement.

Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting the use of video and navigation screens next to the driver.

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*: Wi-Fi is a registered trademark of Wi-Fi Alliance®.

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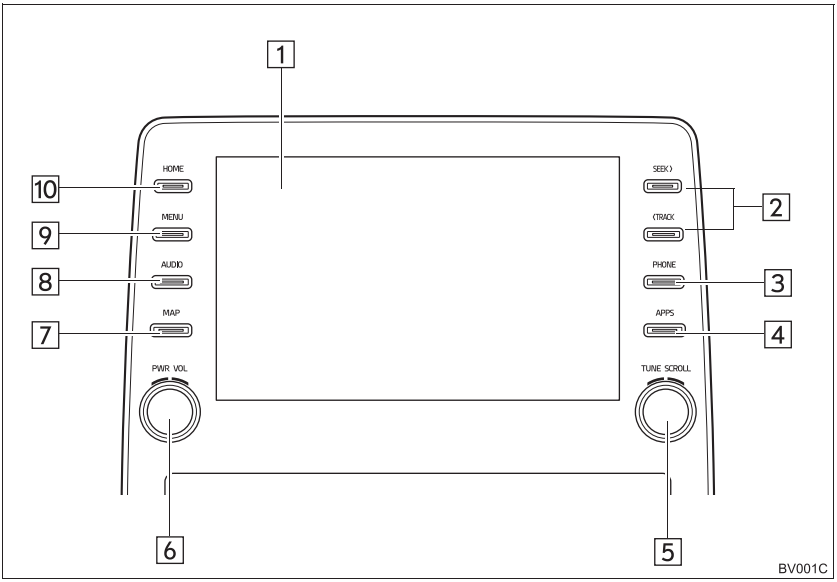
1. BUTTONS OVERVIEW



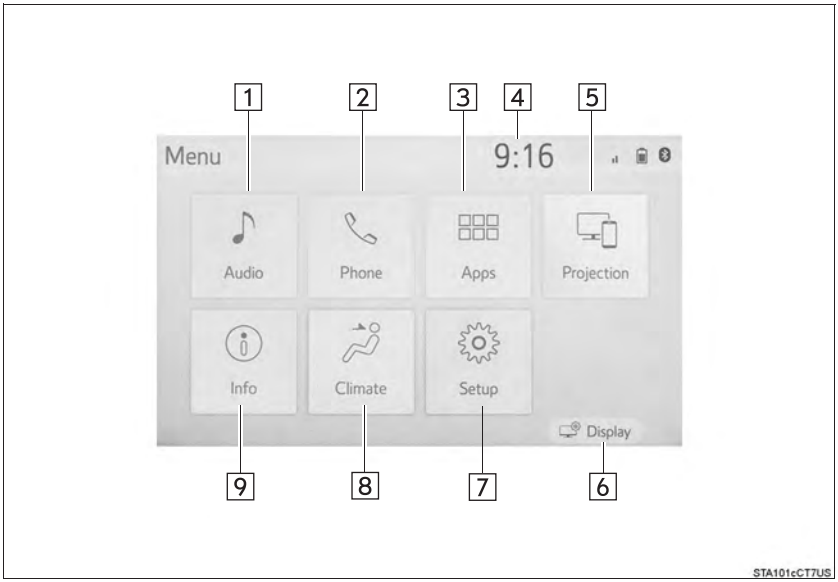
No.	Function	Page
1	By touching the screen with your finger, you can control the selected functions.	33, 34
2	Press to seek up or down for a radio station or to access a desired track/file.	82, 95, 98, 102
3	Press to access the Bluetooth® hands-free system. When an Apple CarPlay connection is established, press to display the Phone app screen.*1, 2	194
4 *2	Press to display the Toyota Entune App Suite Connect screen.*3	300
5	Turn to change the radio station or skip to the next or previous track/file.	82, 95, 98, 102
6	Press to turn the audio/visual system on and off, and turn it to adjust the volume. Press and hold to restart the system.	32, 77
7	Entune Premium Audio: Press to display the map screen and repeat a voice guidance. Entune Audio Plus: If a turn-by-turn navigation application has been downloaded to a connected smart phone, the application will be displayed and can be used.*4 When an Apple CarPlay connection is established, press to display the Maps app screen.*1, 2	230
8	Press to display the audio/visual system screen.	76, 77
9	Press to display the “Menu” screen.	16
10	Press to display the home screen.	18, 35

*1: For details about Apple CarPlay: →P.59
*2: This function is not made available in some countries or areas.
*3: The Toyota Entune App Suite Connect screen may not be displayed when an Apple CarPlay connection is established.
*4: For details about a turn-by-turn navigation application, refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.

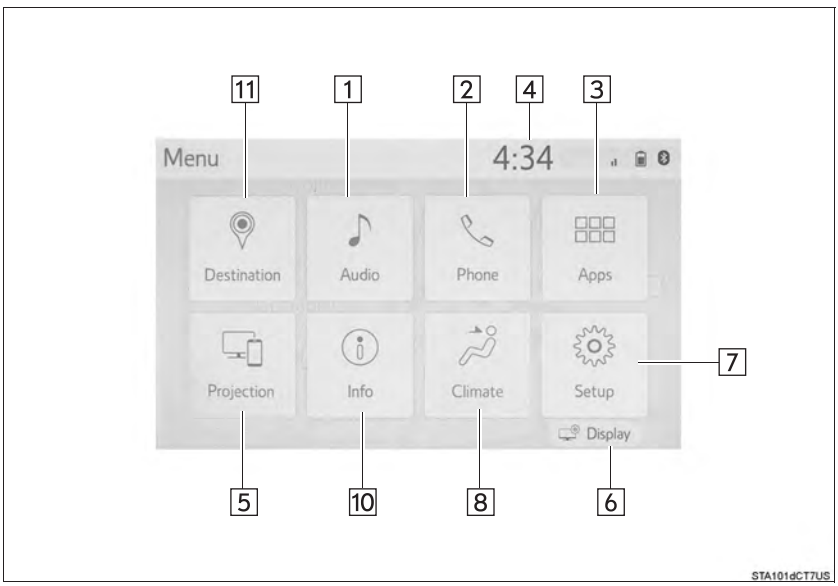
2. “Menu” SCREEN

Press the **“MENU”** button to display the “Menu” screen.

▶Entune Audio Plus



▶Entune Premium Audio



No.	Function	Page
1	Select to display the audio control screen.	76
2	Select to display the hands-free operation screen. When an Apple CarPlay connection is established, select to display the Phone app screen.*1	194
3*1	Select to display the application screen.	300
4	Displays the clock. Select to display the clock settings screen.	64
5*1	When an Apple CarPlay connection is established and this button displays “Apple CarPlay”, select to display the home screen of Apple CarPlay.	59
6	Select to adjust the contrast, brightness, etc. of the display.	40
7	Select to display the “Setup” screen.	22
8*2	Select to display the air conditioning control screen.	“OWNER’S MANUAL”
9	Vehicles without DCM: Select to display the fuel consumption or energy monitor*2 screen. Vehicles with DCM: Select to display the information screen. (→P.136)	“OWNER’S MANUAL”
10	Select to display the information screen.	136
11	Select to display the destination screen.	243

*1: This function is not made available in some countries or areas.
*2: Vehicles with hybrid system

3. HOME SCREEN

Press the **"HOME"** button to display the home screen.

Multiple screens, such as the audio/visual system screen, hands-free screen and clock screen, can be displayed simultaneously on the home screen.

Selecting a screen will display it full screen. The home screen can be set to a four-way split screen, a three-way split screen or a two-way split screen.

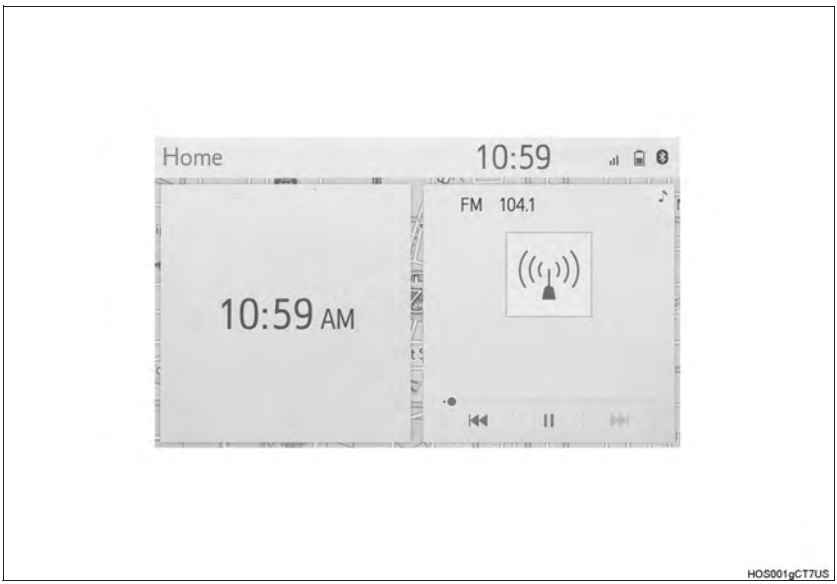
For details about changing the home screen settings: →P.35

When the hands-free screen is displayed, a Bluetooth® phone can be registered if one has not yet been registered (→P.43), and contacts can be registered to the 4 displayed buttons. (→P.202)

▶Four-way split screen

▶Three-way split screen

▶Two-way split screen



STATUS DISPLAY

The condition of the Bluetooth® connection, as well as the level of reception, the amount of cellular phone battery charge left, etc., are displayed on the status display.

Icon	Indicators	Conditions
	The condition of the Bluetooth® connection (Phone)	(Gray) (Blue) No connection ⟷ Poor ⟷ Good • An antenna for the Bluetooth® connection is built into the instrument panel. The condition of the Bluetooth® connection may deteriorate and the system may not function when a Bluetooth® phone is used in the following conditions and/or places: The cellular phone is obstructed by certain objects (such as when it is behind the seat or in the glove box or console box). The cellular phone is touching or is covered with metal materials. • Leave the Bluetooth® phone in a place where the condition of the Bluetooth® connection is good.

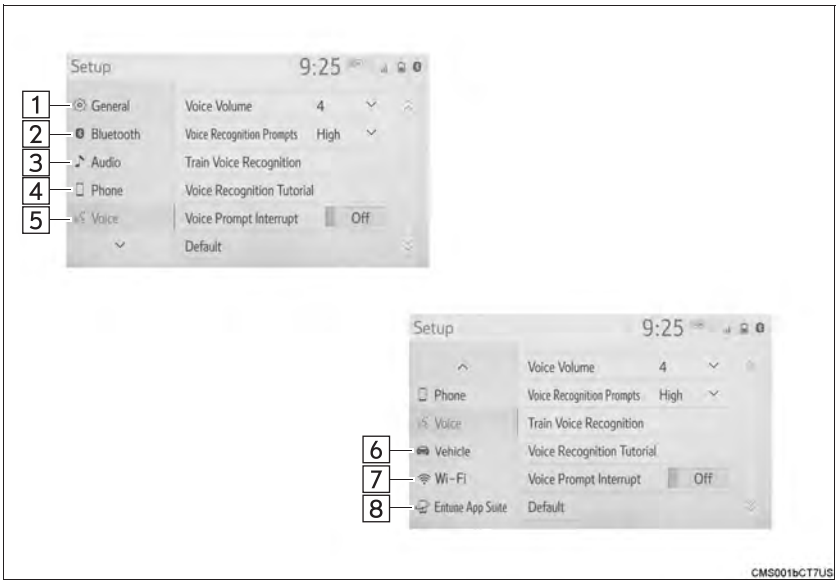
Icon	Indicators	Conditions
	The level of reception (Phone)	 Poor ◄——► Excellent • The level of reception does not always correspond with the level displayed on the cellular phone. The level of reception may not be displayed depending on the phone you have. When the cellular phone is out of the service area or in a place inaccessible by radio waves, is displayed. • "Rm" is displayed when receiving in a roaming area. While roaming, display "Rm" top-left on the icon. • The receiving area may not be displayed depending on the type of phone you have.
	The amount of battery charge left (Phone)	 Empty ◄——► Full • The amount displayed does not always correspond with the amount displayed on the Bluetooth® device. The amount of battery charge left may not be displayed depending on the type of the Bluetooth® device connected. This system does not have a charging function.
*1, 2	The condition of Wi-Fi® connection	 No connection ◄—► Connected • When Wi-Fi® Hotspot is off, no item is displayed.
*1	Data Communication Module (DCM)	• Indicate during data communication performed via DCM.
*1	The level of reception (DCM)	 No connection ◄—► Poor ◄——► Excellent
*3	Weather alert	• Select to display important weather information for the current location or along the route. (→P.137)

*1: Vehicles with DCM
*2: This function is not made available in some countries or areas.
*3: Entune Premium Audio only

1. “Setup” SCREEN

Press the **“MENU”** button, then select **“Setup”** to display the “Setup” screen. The items shown on the “Setup” screen can be set.

▶Entune Audio Plus



▶Entune Premium Audio

No.	Function	Page
1	Select to change the selected language, operation sound settings, etc.	62
2	Select to set Bluetooth® device and Bluetooth® system settings.	47
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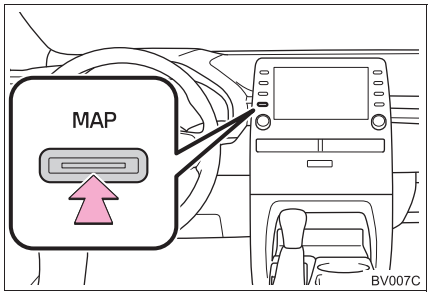
5	Select to set the voice settings.	68
6	Select to set vehicle information such as vehicle customization.	69
7 *1, 2	Select to set Wi-Fi® connection settings.	55
8 *2	Select to set Toyota Entune App Suite Connect settings.	304
9	Select to set memory points (home, favorites entries, areas to avoid), or navigation details.	268, 274
10 *2	Select to set traffic information settings.	278
11 *2	Select to set data services settings.	140

*1: Vehicles with DCM
*2: This function is not made available in some countries or areas.

1. REGISTERING HOME*

1 **Turn the engine <power> switch to ACCESSORY or IGNITION ON <ON> mode.**

2 **Press the “MAP” button.**



3 **Select** **.**

4 **Search for your home.**

There are different kinds of methods to search for your home. (→P.243)

5 **Select “Enter”.**

6 **Select “OK”.**

Registration of home is complete.

▶Registering home in a different way →P.269

▶Editing the name, location, phone number and icon →P.269

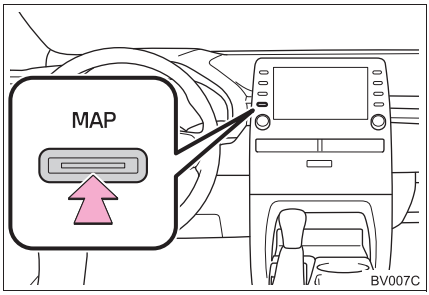
▶Setting home as the destination →P.27, 245, 251

*: Entune Premium Audio only

2. REGISTERING FAVORITE DESTINATIONS*

1 **Turn the engine <power> switch to ACCESSORY or IGNITION ON <ON> mode.**

2 **Press the “MAP” button.**



3 **Select** Save Favorite **.**

4 **Select “New”.**

5 **Search for a favorite destination.**

There are different kinds of methods to search for a destination. (→P.243)

6 **Select “Enter”.**

7 **Select “OK”.**

Registration of favorite destinations is complete.

▶Registering favorite destinations in a different way
→P.270

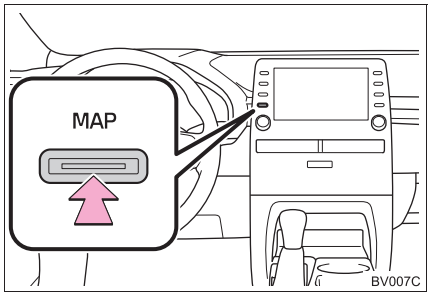
▶Editing the name, location, phone number and icon
→P.270

▶Setting favorite destinations as the destination
→P.246, 251

*: Entune Premium Audio only

3. OPERATION FLOW: ROUTE GUIDANCE*

1 Press the “MAP” button.



2 Select .

3 Search for a destination.

There are different kinds of methods to search for a destination. (→P.243)

4 Select “Go”.

5 Select “OK”.

Selecting routes other than the one recommended. (→P.253)

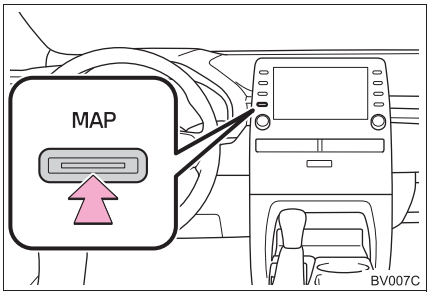
Guidance to the destination is displayed on the screen and can be heard via voice guidance.

*: Entune Premium Audio only

4. SETTING HOME AS THE DESTINATION*

1 **Turn the engine <power> switch to ACCESSORY or IGNITION ON <ON> mode.**

2 **Press the “MAP” button.**



3 **Select** **** **.

Guidance to the destination is displayed on the screen and can be heard via voice guidance.

▶Setting home as the destination in a different way
→P.245

*: Entune Premium Audio only

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*: Entune Premium Audio only

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*: Entune Premium Audio only

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*: Wi-Fi is a registered trademark of Wi-Fi Alliance®.

1. INITIAL SCREEN

When the engine <power> switch is turned to ACCESSORY or IGNITION ON <ON> mode, the initial screen will be displayed and the system will begin operating.

- After a few seconds, the caution screen will be displayed.
- After about 5 seconds or selecting **"Continue"**, the caution screen automatically switches to the next screen.

WARNING

- When the vehicle is stopped with the engine running <the hybrid system operating>, always apply the parking brake for safety.

MAINTENANCE INFORMATION*

This system reminds users when to replace certain parts or components and shows dealer information (if registered) on the screen.

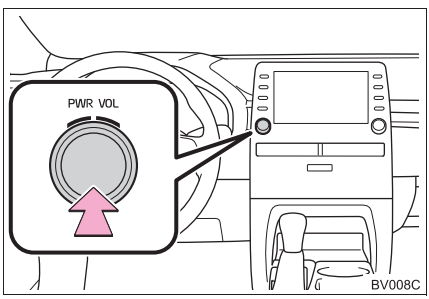
When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the maintenance remainder screen will be displayed when the system is turned on.

- To prevent the screen from being displayed again, select **"Do Not Tell Me Again"**.
- To register maintenance information: →P.69
- If is selected, the registered phone number can be called.

RESTARTING THE SYSTEM

When system response is extremely slow, the system can be restarted.

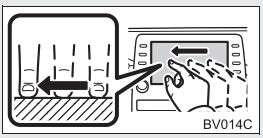
1 Press and hold the **"PWR VOL"** knob for 3 seconds or more.



*: Entune Premium Audio only

2. TOUCH SCREEN GESTURES

Operations are performed by touching the touch screen directly with your finger.

Operation method	Outline	Main use
BV013C	**Touch** Quickly touch and release once.	Selecting an item on the screen
 BV014C	**Drag***1 Touch the screen with your finger, and move the screen to the desired position.	• Scrolling the lists • Scrolling the map screen*2
BV015C	**Flick***1 Quickly move the screen by flicking with your finger.	• Scrolling the main screen page • Scrolling the map screen*2
BV016C	**Pinch in/Pinch out***2, 3 Slide fingers toward each other or apart on the screen.	• Changing the scale of the map*2

*1: The above operations may not be performed on all screens.
*2: Entune Premium Audio only
*3: The Apple CarPlay Maps app is not compatible with pinch multi-touch gestures.

INFORMATION

● Flick operations may not be performed smoothly at high altitudes.

3. TOUCH SCREEN OPERATION

This system is operated mainly by the buttons on the screen. (Referred to as screen buttons in this manual.)

- When a screen button is touched, a beep sounds. (To set the beep sound: →P.62)

NOTICE

- To prevent damaging the screen, lightly touch the screen buttons with your finger.
- Do not use objects other than your finger to touch the screen.
- Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the screen, as they may damage the touch screen.

INFORMATION

- If the system does not respond to touching a screen button, move your finger away from the screen and then touch it again.
- Dimmed screen buttons cannot be operated.
- The displayed image may become darker and moving images may be slightly distorted when the screen is cold.
- In extremely cold conditions, the screen may not be displayed and the data input by a user may be deleted. Also, the screen buttons may be harder than usual to depress.
- When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings on the display settings screen or take off your sunglasses.
- When is displayed on the screen, select to return to the previous screen.

CAPACITIVE TOUCH SCREEN BUTTONS

The operable areas of the capacitive touch screen buttons use capacitive touch sensors and may not operate properly in the following situations:

- If the screen is dirty or wet
- If a source of strong electromagnetic waves is brought near the screen
- If a glove is worn during operation
- If the screen is touched by a fingernail
- If a stylus is used to operate the buttons
- If your palm touches the operable area of another button during operation
- If a button is touched quickly
- If the operable part of a capacitive touch screen button is touched by or covered with a metal object, such as the following, it may not operate properly:
  - Magnetic isolation cards
  - Metallic foil, such as the inner packaging of a cigarette box
  - Metallic wallets or bags
  - Coins
  - Discs, such as a CD or DVD
- If the operable part of a capacitive touch screen button is wiped, it may operate unintentionally.
- If the capacitive touch screen button is being touched when the engine <power> switch is changed to ACCESSORY or IGNITION ON <ON> mode, the button may not operate properly. In this case, remove anything touching the button, turn the engine <power> switch off and then turn it to ACCESSORY or IGNITION ON <ON> mode, or restart the system by press and hold the **"PWR VOL"** knob for 3 seconds or more.

- Capacitive touch screen button sensor sensitivity can be adjusted. (→P.62)

4. HOME SCREEN OPERATION

On the home screen, multiple screens, such as the audio/visual system screen, hands-free screen and clock screen, can be displayed simultaneously.

1 Press the **"HOME"** button.

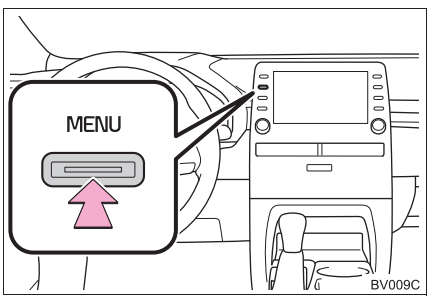
2 Check that the home screen is displayed.

- Selecting a screen will display it full screen.

CUSTOMIZING THE HOME SCREEN

The displayed screens and their location on the home screen can be changed.

1 Press the **"MENU"** button.

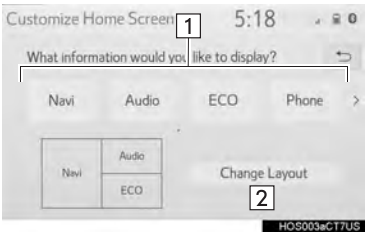


2 Select **"Setup"**.

3 Select **"General"**.

4 Select **"Customize Home Screen"**.

5 Check that "Customize Home Screen" is displayed.



No.	Function	Page
1	Select to change the displayed screen/location.	35
2	Select to change the home screen layout.	35

CHANGING THE DISPLAYED SCREENS/LOCATION

1 Select the desired screen.

2 Select the desired location.

INFORMATION

- When the selected screen is already being displayed and another area is selected for that screen, the screen that it is replacing will be displayed in the screen's original location.

CHANGING THE HOME SCREEN LAYOUT

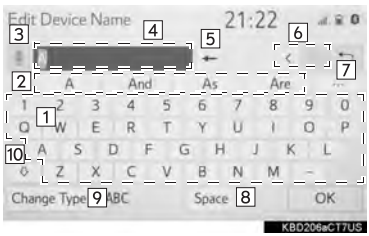
1 Select **"Change Layout"**.

2 Select the desired screen layout.

5. ENTERING LETTERS AND NUMBERS/LIST SCREEN OPERATION

When searching by an address, name, etc., or entering data, letters and numbers can be entered via the screen.

ENTERING LETTERS AND NUMBERS



No.	Function
1	Select to enter desired characters.
2	Select to choose a predictive text candidate for entered text.
3*	When this icon is displayed, select to enable the dictation function. (English only) (→P.127)
4	Text field. Entered character(s) will be displayed.
5	Select to erase one character. Select and hold to continue erasing characters.
6	Select to move the cursor.
7	Select to display a list of predictive text candidates when there is more than one. (→P.37)
8	Select to make a space on cursor.
9	Select to change character types.
10	Select to enter characters in lower case or in upper case.

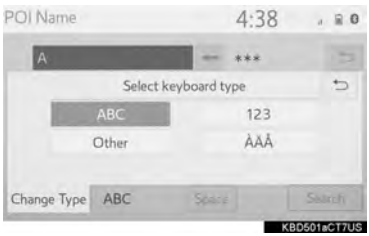
*: Entune Premium Audio with DCM only

- Keyboard layout can be changed. (→P.62)

CHANGING CHARACTER TYPE

1 Select **“Change Type”**.

2 Select the desired character.



INFORMATION

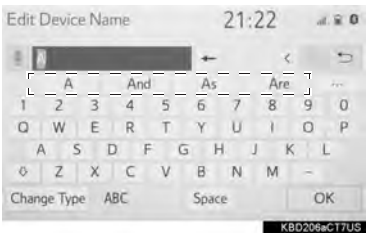
- Depending on the screen being displayed, it may not possible to change keyboard characters.

DISPLAYING PREDICTIVE TEXT CANDIDATES

When text is input, the system predicts the text that may complete the currently unconfirmed text and displays predictive replacement candidates that match the beginning of the text.

1 Input text.

2 Select the desired candidate.



- To select a candidate that is not displayed, select ..., and then select the desired predictive replacement candidate.

LIST SCREEN

The list screen may be displayed after entering characters.

DISPLAYING THE LIST

1 Enter characters and select **"Search"**.

- Matching items from the database are listed even if the entered address or name is incomplete.
- The list will be displayed automatically if the maximum number of characters is entered or matching items can be displayed on a single list screen.

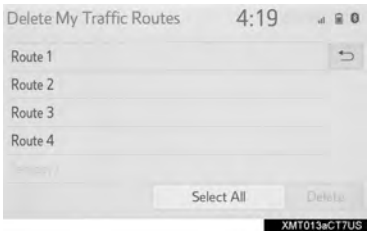
INFORMATION

- The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "***" on the screen.

SELECTING ALL ITEMS

Some lists contain “Select All”. If **“Select All”** is selected, it is possible to select all items.

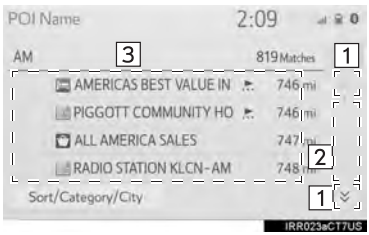
1 Select **“Select All”**.



“Unselect All”: Unselect all items in the list.

LIST SCREEN OPERATION

When a list is displayed, use the appropriate screen button to scroll through the list.



No.	Function
1	Select to skip to the next or previous page. Select and hold ⌃⌃ or ⌄⌄ to scroll through the displayed list.
2	Indicates the position of the displayed entries in the entire list. To scroll up/down pages, drag the bar.
3	To scroll up/down the list, flick the list up/down.

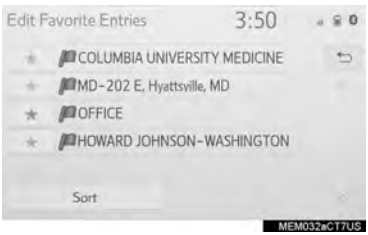
INFORMATION

- If ▶... appears to the right of an item name, the complete name is too long to display.
  - Select ▶... to scroll to the end of the name.
  - Select ◀ to move to the beginning of the name.

SORTING

The order of a list displayed on the screen can be sorted in the order of distance from the current location, date, category, etc.

1 Select **"Sort"**.



2 Select the desired sorting criteria.

SEACHING A LIST

Items are displayed in the list with the most similar results of the search at the top.

1 Select .

2 Input text.

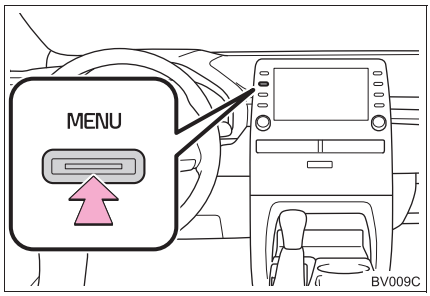
3 Select **"Search"**.

- The list is displayed.

6. SCREEN ADJUSTMENT

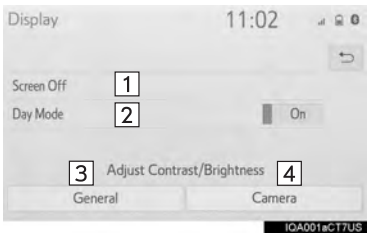
The contrast and brightness of the screen display and the image of the camera display can be adjusted. The screen can also be turned off, and/or changed to either day or night mode.

1 Press the **"MENU"** button.



2 Select **"Display"**.

3 Select the desired items to be set.



No.	Function	Page
1	Select to turn the screen off. To turn it on, press any button.	—
2	Select to turn day mode on/off.	40
3	Select to adjust the screen display.	41
4	Select to adjust the camera display.	

INFORMATION

- When the screen is viewed through polarized sunglasses, a rainbow pattern may appear on the screen due to optical characteristics of the screen. If this is disturbing, please operate the screen without polarized sunglasses.

CHANGING BETWEEN DAY AND NIGHT MODE

Depending on the position of the headlight switch, the screen changes to day or night mode. This feature is available when the headlight is switched on.

1 Select **"Day Mode"**.

INFORMATION

- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the engine <hybrid system> turned off.

ADJUSTING THE CONTRAST/ BRIGHTNESS

The contrast and brightness of the screen can be adjusted according to the brightness of your surroundings.

1 Select **“General”** or **“Camera”**.

2 Select the desired item.

- “Display (General)” screen only:
  Select “<” or “>” to select the desired display.

Screen button	Function
“Contrast” “+”	Select to strengthen the contrast of the screen.
“Contrast” “-”	Select to weaken the contrast of the screen.
“Brightness” “+”	Select to brighten the screen.
“Brightness” “-”	Select to darken the screen.

7. LINKING MULTI-INFORMATION DISPLAY AND THE SYSTEM

The following functions of the system are linked with the multi-information display in the instrument cluster:

- Phone
- Audio
- Language

etc.

These functions can be operated using multi-information display control switches on the steering wheel. For details, refer to “OWNER’S MANUAL”.

1. REGISTERING/CONNECTING A Bluetooth® DEVICE

REGISTERING A Bluetooth® PHONE FOR THE FIRST TIME

To use the hands-free system, it is necessary to register a Bluetooth® phone with the system.

Once the phone has been registered, it is possible to use the hands-free system.

This operation cannot be performed while driving.

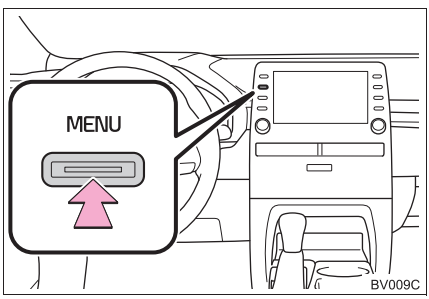
For details about registering a Bluetooth® device: →P.50

When an Apple CarPlay connection is established, Bluetooth® functions of the system will become unavailable and any connected Bluetooth® devices will be disconnected.

1 Turn the Bluetooth® connection setting of your cellular phone on.

- This function is not available when Bluetooth® connection setting of your cellular phone is set to off.

2 Press the **"MENU"** button.



3 Select **"Phone"**.

- Operations up to this point can also be performed by pressing the **"PHONE"** button on the instrument panel.

4 Select **"Yes"** to register a phone.

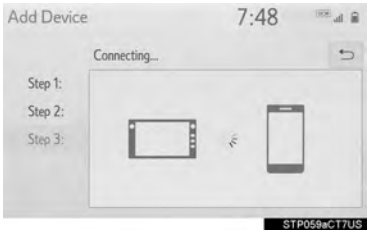
5 Select the desired Bluetooth® device.

- If the desired Bluetooth® phone is not on the list, select **"If you cannot find..."** and follow the guidance on the screen to register from the device. (→P.44)

6 Register the Bluetooth® device using your Bluetooth® device.

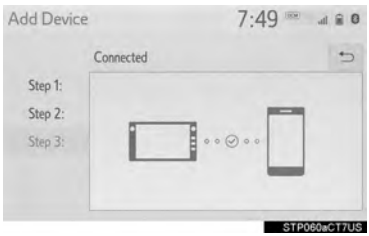
- For details about operating the Bluetooth® device, see the manual that comes with it.
- A PIN-code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

7 Check that the following screen is displayed, indicating pairing was successful (a Bluetooth® link has been established but registration is not yet complete).



- At this stage, the Bluetooth® functions are not yet available.

8 Check that "Connected" is displayed and registration is complete.



- If an error message is displayed, follow the guidance on the screen to try again.

INFORMATION

- If a cellular phone does not operate properly after being connected, turn the cellular phone off and on and then connect it again.

REGISTERING FROM PHONE

1 Select **"If you cannot find..."**.

2 Select **"Register from Phone"**.

3 Check that the following screen is displayed, and register the Bluetooth® device using your Bluetooth® device.

- For details about operating the Bluetooth® device, see the manual that comes with it.
- A PIN-code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

4 Follow the steps in "REGISTERING A Bluetooth® PHONE FOR THE FIRST TIME" from "STEP7". (→P.43)

REGISTERING A Bluetooth® AUDIO PLAYER FOR THE FIRST TIME

To use the Bluetooth® audio, it is necessary to register an audio player with the system.

Once the player has been registered, it is possible to use the Bluetooth® audio.

This operation cannot be performed while driving.

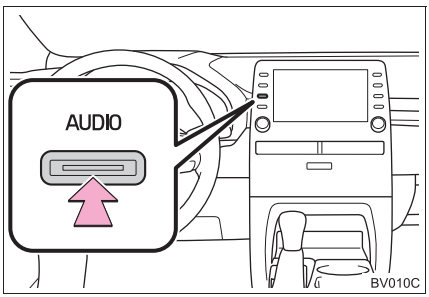
For details about registering a Bluetooth® device: →P.50

When an Apple CarPlay connection is established, Bluetooth® functions of the system will become unavailable and any connected Bluetooth® devices will be disconnected.

1 Turn the Bluetooth® connection setting of your audio player on.

- This function is not available when the Bluetooth® connection setting of your audio player is set to off.

2 Press the **"AUDIO"** button.



3 Select **"Source"** on the audio screen or press **"AUDIO"** button again.

4 Select **"Bluetooth*"**.

5 Select **"Yes"** to register an audio player.

6 Follow the steps in "REGISTERING A Bluetooth® PHONE FOR THE FIRST TIME" from "STEP 5". (→P.43)

*: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

PROFILES

This system supports the following services.

Bluetooth® Device	Spec.	Function	Required	Recommended
Bluetooth® Phone/ Bluetooth® Audio Player	Bluetooth® Core Specification	Registering a Bluetooth® device	Ver. 2.0	Ver. 4.1+EDR
Bluetooth® Device	**Profile**	**Function**	**Required**	**Recommended**
Bluetooth® Phone	HFP (Hands-Free Profile)	Hands-free system	Ver. 1.0	Ver. 1.7
	OPP (Object Push Profile)	Transferring the contacts	Ver. 1.1	Ver. 1.2
	PBAP (Phone Book Access profile)		Ver. 1.0	Ver. 1.2
	MAP (Message Access Profile)	Bluetooth® phone message	Ver. 1.0	Ver. 1.2
	SPP (Serial Port Profile)	Toyota Entune App Suite Connect	—	Ver. 1.2
Bluetooth® Audio Player	A2DP (Advanced Audio Distribution Profile)	Bluetooth® audio system	Ver. 1.0	Ver. 1.3
	AVRCP (Audio/Video Remote Control Profile)		Ver. 1.0	Ver. 1.6

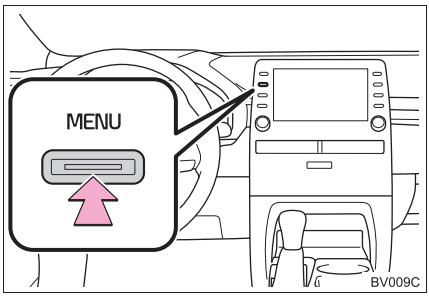
INFORMATION

- This system is not guaranteed to operate with all Bluetooth® devices.
- If your cellular phone does not support HFP, registering the Bluetooth® phone or using OPP, PBAP, MAP or SPP profiles individually will not be possible.
- If the connected Bluetooth® device version is older than recommended or incompatible, the Bluetooth® device function may not work properly.
- Refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico, to find approved Bluetooth® phones for this system.

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

2. SETTING Bluetooth® DETAILS

1 Press the **"MENU"** button.



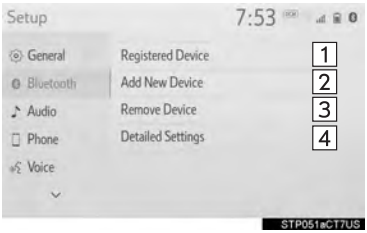
2 Select **"Setup"**.

3 Select **"Bluetooth*"**.

4 Select the desired item to be set.

*: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

Bluetooth® SETTINGS SCREEN



No.	Function	Page
1	Connecting a Bluetooth® device and editing the Bluetooth® device information	48, 51
2	Registering a Bluetooth® device	50
3	Deleting a Bluetooth® device	50
4	Setting the Bluetooth® system	52

CONNECTING A Bluetooth® DEVICE

Up to 5 Bluetooth® devices (Phones (HFP) and audio players (AVP)) can be registered.

If more than 1 Bluetooth® device has been registered, select which device to connect to.

1 Display the Bluetooth® settings screen. (→P.47)

2 Select **"Registered Device"**.

3 Select the device to be connected.

- Supported profile icons will be displayed.

: Phone

: Audio player

: Phone/Toyota Entune App Suite Connect

- The profile icon for a currently connected device will be displayed in color.
- Selecting a profile icon which is not currently connected will switch the connection to the function.

4 Select the desired connection.

"Device Info": Select to confirm and change the Bluetooth® device information. (→P.51)

▶When another Bluetooth® device is connected

- To disconnect the Bluetooth® device, select **"Yes"**.

5 Check that a confirmation screen is displayed when the connection is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

INFORMATION

- It may take time if the device connection is carried out during Bluetooth® audio playback.
- Depending on the type of Bluetooth® device being connected, it may be necessary to perform additional steps on the device.
- When disconnecting a Bluetooth® device, it is recommended to disconnect using this system.

CONNECTING A Bluetooth® DEVICE IN A DIFFERENT WAY

▶From the phone top screen
→P.196

▶From the Bluetooth® audio control screen
→P.106

▶From the phone settings screen
→P.212

AUTO CONNECTION MODE

To turn auto connection mode on, set "Bluetooth* Power" to on. (→P.52)
Leave the Bluetooth® device in a location where the connection can be established.

- When the engine <power> switch is turned to ACCESSORY or IGNITION ON <ON> mode, the system searches for a nearby registered device.
- The system will connect with the registered device that was last connected, if it is nearby. When automatic connection priority is set to on and there is more than one registered Bluetooth® phone available, the system will automatically connect to the Bluetooth® phone with the highest priority. (→P.53)

CONNECTING MANUALLY

When the auto connection has failed or "Bluetooth* Power" is turned off, it is necessary to connect the Bluetooth® device manually.

1. Press the **"MENU"** button.
2. Select **"Setup"**.
3. Select **"Bluetooth*"**.
4. Follow the steps in "CONNECTING A Bluetooth® DEVICE" from "STEP 2". (→P.48)

RECONNECTING THE Bluetooth® PHONE

If a Bluetooth® phone is disconnected due to poor reception from the Bluetooth® network when the engine <power> switch is in ACCESSORY or IGNITION ON <ON> mode, the system automatically reconnects the Bluetooth® phone.

*: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

REGISTERING A Bluetooth® DEVICE

Up to 5 Bluetooth® devices can be registered.

Bluetooth® compatible phones (HFP) and audio players (AVP) can be registered simultaneously.

This operation cannot be performed while driving.

1 Display the Bluetooth® settings screen. (→P.47)

2 Select **"Add New Device"**.

▶When another Bluetooth® device is connected

- To disconnect the Bluetooth® device, select **"Yes"**.

▶When 5 Bluetooth® devices have already been registered

- A registered device needs to be replaced. Select **"Yes"**, and select the device to be replaced.

3 Follow the steps in "REGISTERING A Bluetooth® PHONE FOR THE FIRST TIME" from "STEP 5". (→P.43)

DELETING A Bluetooth® DEVICE

1 Display the Bluetooth® settings screen. (→P.47)

2 Select **"Remove Device"**.

3 Select the desired device.

4 Select **"Yes"** when the confirmation screen appears.

5 Check that a confirmation screen is displayed when the operation is complete.

INFORMATION

- When deleting a Bluetooth® phone, the contact data will be deleted at the same time.

EDITING THE Bluetooth® DEVICE INFORMATION

The Bluetooth® device's information can be displayed on the screen. The displayed information can be edited.

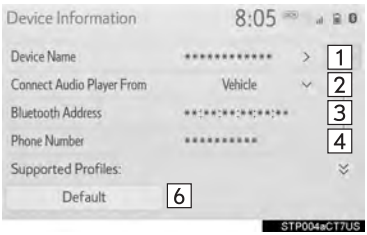
1 Display the Bluetooth® settings screen. (→P.47)

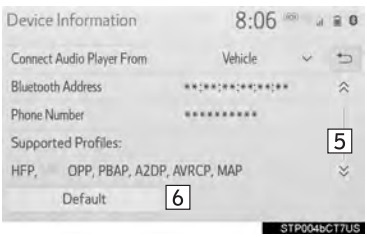
2 Select **"Registered Device"**.

3 Select the desired device to be edited.

4 Select **"Device Info"**.

5 Confirm and change the Bluetooth® device information.





No.	Information
1	The name of the Bluetooth® device. Can be changed to a desired name. (→P.52)
2	Select to set the Bluetooth® audio player connection method. (→P.52)
3	Device address is unique to the device and cannot be changed.
4	Phone number of the Bluetooth® phone.
5	Compatibility profile of the Bluetooth® device.
6	Select to reset all setup items.

INFORMATION

- If 2 Bluetooth® devices have been registered with the same device name, the devices can be distinguished by referring to the device addresses.
- Depending on the type of phone, some information may not be displayed.

CHANGING A DEVICE NAME

1 Select **“Device Name”**.

2 Enter the name and select **“OK”**.

INFORMATION

- Even if the device name is changed, the name registered in your Bluetooth® device does not change.

SETTING AUDIO PLAYER CONNECTION METHOD

1 Select **“Connect Audio Player From”**.

2 Select the desired connection method.

“Vehicle”: Select to connect the audio player from the vehicle’s audio/visual system.

“Device”: Select to connect the vehicle’s audio/visual system from the audio player.

- Depending on the audio player, the “Vehicle” or “Device” connection method may be best. As such, refer to the manual that comes with the audio player.

SETTING Bluetooth® SYSTEM

The Bluetooth® settings can be confirmed and changed.

1 Display the Bluetooth® settings screen. (→P.47)

2 Select **“Detailed Settings”**.

3 Select the desired item to be set.

No.	Information	Page
1	Select to set Bluetooth® connection on/off.	53
2	Select to change the automatic connection priority of the registered Bluetooth® devices.	53
3	Select to edit the system information.	54
4	Select to reset all setup items.	—

CHANGING "Bluetooth* Power"

1 Select **"Bluetooth* Power"**.

When "Bluetooth* Power" is on:

The Bluetooth® device is automatically connected when the engine <power> switch is turned to ACCESSORY or IGNITION ON <ON> mode.

When "Bluetooth* Power" is off:

The Bluetooth® device is disconnected, and the system will not connect to it next time.

INFORMATION

- While driving, the auto connection state can be changed from off to on, but cannot be changed from on to off.

*: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

SETTING AUTOMATIC CONNECTION PRIORITY

The automatic connection priority of the registered Bluetooth® devices can be changed.

1 Select **"Preferred Device Settings"**.

2 Select the desired item to be set.

No.	Function	Page
1	Select to set automatic connection priority on/off.	—
2	Select to change the automatic connection priority of the registered Bluetooth® phones.	53
3	Select to change the automatic connection priority of the registered Bluetooth® audio players.	53
4	Select to reset all setup items.	—

CHANGING Bluetooth® DEVICE AUTOMATIC CONNECTION PRIORITY

1 Select **"Preferred Phones"** or **"Preferred Audio Players"**.

2 Select the desired Bluetooth® device and select **"Move Up"** or **"Move Down"** to change the preferred order.

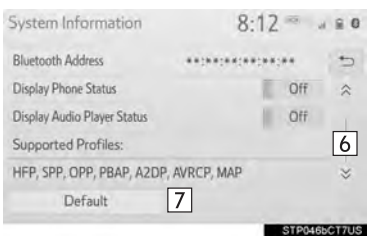
INFORMATION

- A newly registered Bluetooth® device will automatically be given the highest automatic connection priority.

EDITING THE SYSTEM INFORMATION

1 Select **"System Information"**.

2 Select the desired item to be set.



No.	Function
1	Displays system name. Can be changed to a desired name. (→P.54)
2	PIN code used when the Bluetooth® device was registered. Can be changed to a desired code. (→P.54)
3	Device address is unique to the device and cannot be changed.
4	Select to set the connection status display of the phone on/off.
5	Select to set the connection status display of the audio player on/off.
6	Compatibility profile of the system
7	Select to reset all setup items.

EDITING THE SYSTEM NAME

1 Select **"System Name"**.

2 Enter a name and select **"OK"**.

EDITING THE PIN CODE

1 Select **"System PIN Code"**.

2 Enter a PIN code and select **"OK"**.

3. Wi-Fi* Hotspot

By connecting a device to the vehicle via Wi-Fi®, it can access the internet through the DCM.

- To use this function, a Wi-Fi® Hotspot service subscription from Verizon Wireless is required. Contact your Toyota dealer for details.
- This function is not made available in some countries or areas.

CONNECTING A DEVICE TO THE IN-VEHICLE ACCESS POINT

SEARCHING FOR AND CONNECTING A DEVICE TO THE VEHICLE ACCESS POINT

1 Enable the Wi-Fi® Hotspot function. (→P.55)

2 Disable the “Hide Access Point” function. (→P.55)

3 Search for the vehicle access point using the device you wish to connect.

- For details about operating the device, refer to the documentation which came with it.

4 Operate the device to connect it to the vehicle access point.

- To check the vehicle access point password, check “Password”. (→P.55)

INFORMATION

- Hints for connecting to the vehicle via Wi-Fi® can be displayed. (→P.55)

CONNECTING A DEVICE TO THE IN-VEHICLE ACCESS POINT USING THE ACCESS POINT NAME (SSID)

1 Enable the Wi-Fi® Hotspot function. (→P.55)

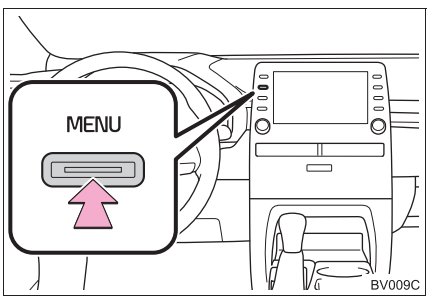
2 Enable the “Hide Access Point” function. (→P.55)

3 Enter the access point name (SSID) into the device you wish to connect and connect it.

- To check the vehicle access point password, check “Password”. (→P.55)
- The security settings on the device must be the same as that displayed for “Security”. (→P.55)
- For details about operating the device, refer to the documentation which came with it.

CHANGING THE Wi-Fi® SETTINGS

1 Press the **“MENU”** button.



2 Select **“Setup”**.

3 Select **“Wi-Fi*”**.

*: Wi-Fi is a registered trademark of Wi-Fi Alliance®.

4 Select the desired setting to change.

No.	Function	Page
1	Select to enable/disable the Wi-Fi® Hotspot function.	56
2	Select to check/change the access point password.	57
3	Select to display hints for connecting to the vehicle via Wi-Fi®.	—
4	Select to make the access point searchable/unsearchable.	—
5	Select to check/change the security protocol of the access point (for authentication and encryption).	57
6	Select to change the access point name (SSID).	57
7	Select to change the Wi-Fi® connection channel (within the 2.4GHz frequency band).	57

INFORMATION

- If any settings have been changed, it will be necessary to reset the Wi-Fi® system to complete the changes. To reset the Wi-Fi® system, select **"Yes"** on the pop-up displayed after changing the settings.

ENABLING/DISABLING THE Wi-Fi® Hotspot FUNCTION

When the Wi-Fi® Hotspot function is enabled, the system checks for a valid Hotspot service subscription.

If a Hotspot service subscription has not been started, start the Toyota Entune App Suite Connect application to activate the service subscription. (If the Toyota Entune App Suite Connect application has not been installed, install the application.)

Contact your Toyota dealer for details about the Toyota Entune App Suite Connect application.

CHECKING/CHANGING THE PASSWORD

1 Select **"Password"**.

2 Check that the following screen is displayed.

No.	Function/information
1	Displays the password
2	Select to display/hide the entered password.
3	Select to change the password.

CHANGING THE PASSWORD

1 Select **"Change Password"**.

2 Enter the desired password and select **"OK"**.

- The password must be at least 8 characters long.
- The password with non-ASCII can not be used.

CHANGING THE SECURITY PROTOCOL

1 Select **"Security"**.

2 Select the desired security protocol.

CHANGING THE ACCESS POINT NAME (SSID)

1 Select **"Access Point Name"**.

2 Enter the desired access point name (SSID) and select **"OK"**.

SELECTING A Wi-Fi® CONNECTION CHANNEL

1 Select **"Channel"**.

2 Check that the following screen is displayed.

No.	Function
1	Select to change the channel selection to automatic/manual.
2	When "Manual" is selected, select to change the channel.

CHANGING THE CHANNEL

1 Set "Select Channel" to "Manual".

2 Select **"Channel Number"**.

3 Enter the desired channel number and select **"OK"**.

- Channels 1 through 11 can be selected.

Wi-Fi® FUNCTION OPERATING HINTS

⚠ WARNING

- Use Wi-Fi® devices only when safe and legal to do so.
- Your audio unit is fitted with Wi-Fi® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Wi-Fi® antennas.
  The radio waves may affect the operation of such devices.
- Before using Wi-Fi® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
  Radio waves could have unexpected effects on the operation of such medical devices.

INFORMATION

- If a connected device is taken out of the Wi-Fi® connection area, the connection will be severed.
- If the vehicle is driven out of the cellular communication coverage area, connecting to the internet via the Wi-Fi® Hotspot will not be possible.
- If a Bluetooth® device is used while a device is connected using the Wi-Fi® Hotspot function, the communication speed may decrease.
- Depending on the environment in which the access point is used, the communication speed may be low or communication may not be possible.

CONDITIONS DISPLAYED WITH Wi-Fi® ICON

The condition of Wi-Fi® connection appears on the right upper side of the screen. (→P.20)

SPECIFICATIONS

- Communication standards
  802.11b
  802.11g
  802.11n (2.4GHz)
- Security
  WPA™
  WPA2™
  • WPA and WPA2 are trademark of Wi-Fi Alliance®.

4. Apple CarPlay*

Apple CarPlay allows some applications, such as Map, Phone, and Music, to be used on the system.
When an Apple CarPlay connection is established, Apple CarPlay compatible applications will be displayed on the system display.

▶Compatible device

Apple iPhone (iOS Ver. 9.3 or later) that supports Apple CarPlay
For details, refer to https://www.apple.com/ios/carplay/.

ESTABLISHING AN Apple CarPlay CONNECTION

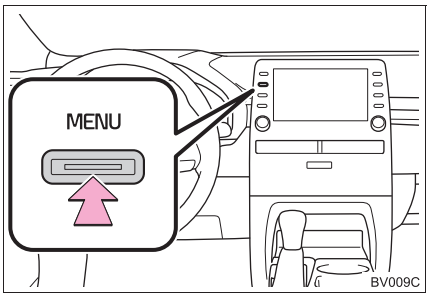
1 Enable Siri on the device to be connected.

2 Connect the device to the USB port. (→P.78)

3 Select **"Always Enable"** or **"Enable Once"**.

- If **"Do Not Enable"** is selected, an Apple CarPlay connection will not be established. In this case, the device can be operated as a normal Apple device, such as an iPod.
- Depending on the device connected, it may take approximately 3 to 6 seconds before an Apple CarPlay connection is established.

4 Press the **"MENU"** button.



5 Select the **"Apple CarPlay"**.

6 Check that home screen of Apple CarPlay is displayed.

No.	Function
1	Select to display the home screen of Apple CarPlay. Touch and hold to activate Siri.
2	Select to start the application. User can use any iPhone application supported by Apple CarPlay.
3	Select to display the system screen.

*: This function is not made available in some countries or areas.

WARNING

- Do not connect iPhone or operate the controls while driving.

NOTICE

- Do not leave your iPhone in the vehicle. In particular, high temperatures inside the vehicle may damage the iPhone.
- Do not push down on or apply unnecessary pressure to the iPhone while it is connected as this may damage the iPhone or its terminal.
- Do not insert foreign objects into the port as this may damage the iPhone or its terminal.

INFORMATION

- When an Apple CarPlay connection is established, the function of some system buttons will change.
- When an Apple CarPlay connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay functions or will become unavailable:
  - iPod (Audio Playback)
  - Hands-free Phone
  - USB audio/USB video
  - Bluetooth® audio
  - Bluetooth® phone
  - Toyota Entune App Suite Connect
- The guidance volume can be changed on the voice settings screen. (→P.68)
- To disable Apple CarPlay while a device is connected, set **"Apple CarPlay"** on the general settings screen to off. (→P.62)

INFORMATION

- Apple CarPlay is an application developed by Apple Inc. Its functions and services may be terminated or changed without notice depending on the connected device's operation system, hardware and software, or due to changes in Apple CarPlay specifications.
- If the vehicle's navigation system is being used for route guidance and a route is set using the Apple CarPlay Maps app, route guidance will be performed through Apple CarPlay.
  If the Apple CarPlay Maps app is being used for route guidance and a route is set using the vehicle's navigation system, route guidance will be performed by the vehicle's navigation system.

- Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone, iPod may affect wireless performance.
- Apple, iPad, iPhone, iPod, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Apple CarPlay is a trademark of Apple Inc.

TROUBLESHOOTING

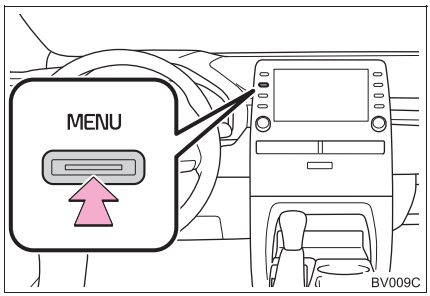
If you are experiencing difficulties with Apple CarPlay, check the following table.

Symptom	Solution
An Apple CarPlay connection cannot be established.	Check if the device supports Apple CarPlay. Check if Apple CarPlay is enabled on the connected device. For details, refer to https://www.apple.com/ios/carplay/.
	Check if **"Apple CarPlay"** on the general settings screen is set to on. (→P.62)
	Check if the Lightning cable being used is certified by Apple Inc., and if it is securely connected to the device and USB port.
	After checking all of the above, try to establish an Apple CarPlay connection. (→P.59)
When an Apple CarPlay connection is established and a video is being played, the video is not displayed, but audio is output through the system.	As the system is not designed to play video through Apple CarPlay, this is not a malfunction.
Although an Apple CarPlay connection is established, audio is not output through the system.	The system may muted or the volume may be low. Increase the system volume.
The Apple CarPlay screen has artifacts and/or audio from Apple CarPlay has noise.	Check if the Lightning cable being used to connect the device to the system is damaged. To check if the Lightning cable is damaged internally, connect the device to another system, such as a PC, and check if the device is recognized by the connected system. (The device should begin charging when connected.)
	After checking all of the above, try to establish an Apple CarPlay connection. (→P.59)
The map display of the Apple CarPlay Maps app cannot be enlarged or contracted with pinch multi-touch gestures.	As the Apple CarPlay Maps app is not compatible with pinch multi-touch gestures, this is not a malfunction.

1. GENERAL SETTINGS

Settings are available for clock, operation sounds, etc.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

- If the general settings screen is not displayed, select **"General"**.

3 Select the desired items to be set.

GENERAL SETTINGS SCREEN

No.	Function
1	Select to change the time zone and select **"On"** or **"Off"** or **"Auto"**[*1] for daylight saving time, automatic adjustment of the clock, etc. (→P.64)
2	Select to change the language. The language setting of Apple CarPlay can only be changed on the connected iPhone.
3	Select to customize the home screen. (→P.35)
4	Select to change the screen theme settings.
5	Select to turn the beep sound on/off.
6 [*1]	Select to change the unit of temperature.
7	Select to change the unit of measure for distance/fuel consumption.
8 [*1]	Select to set automatic screen changes from the audio/air conditioning[*2] control screen to the home screen to on/off. When set to on, the screen will automatically return to the home screen from the audio/air conditioning[*2] control screen after 20 seconds.
9	Select to change the keyboard layout.
10	Select to delete the keyboard history.
11	Select to set the memorize keyboard history on/off.
12	Select to set the animations on/off.

No.	Function
13 [*3]	Select to turn automatic Apple CarPlay connection establishment on/off when a compatible iPhone is connected to the system via USB. (→P.59) This setting cannot be changed when a device is connected to the system via USB. Disconnect the device before attempting to change the setting.
14	Select to change the driver settings. (→P.65)
15	Select to delete personal data. (→P.66)
16	Select to update software versions. For details, contact your Toyota dealer.
17 [*4]	Select to set software update settings. (→P.67)
18	Select to update Gracenote® database versions. For details, contact your Toyota dealer.
19	Select to display the software information. Notices related to third party software used in this product are enlisted. (This includes instructions for obtaining such software, where applicable.)
20	Select to change the capacitive touch screen button sensitivity to 1 (low), 2 (medium), or 3 (high).

*1: Entune Premium Audio only
*2: Vehicles with hybrid system
*3: This function is not made available in some countries or areas.
*4: Vehicles with DCM

CLOCK SETTINGS

1 Display the general settings screen. (→P.62)

2 Select **“Clock”**.

3 Select the desired items to be set.

No.	Function
1	Select to change the time zone. (→P.64)
2	Select to set daylight saving time on/off/auto*.
3	Select to set automatic adjustment of the clock by GPS on/off. When set to off, the clock can be manually adjusted. (→P.65)
4	Select to set the 24 hour time format on/off. When set to off, the clock is displayed in 12 hour time format.

*: Entune Premium Audio only

TIME ZONE

A time zone can be selected and GMT can be set.

1 Select **“Time Zone”**.

2 Select the desired time zone.

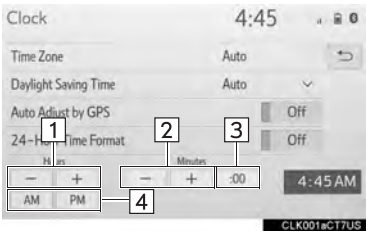
- Entune Premium Audio only:
  If **“Auto”** is selected, the time zone is selected automatically by current vehicle position.

MANUAL CLOCK SETTING

When **"Auto Adjust by GPS"** is turned off, the clock can be manually adjusted.

1 Select **"Auto Adjust by GPS"** to set to off.

2 Adjust the clock manually.



No.	Function
1	Select "+" to set the time forward one hour and "-" to set the time back one hour.
2	Select "+" to set the time forward one minute and "-" to set the time back one minute.
3	Select to round to the nearest hour. e.g. 1:00 to 1:29 → 1:00 1:30 to 1:59 → 2:00
4	Select to set the time as AM or PM when the clock is in 12 hour time format.

DRIVER SETTINGS

The driver settings feature will allow the system to link some preferences (such as audio presets, screen theme, language, etc.) to a paired Bluetooth® phone.

1 Display the general settings screen. (→P.62)

2 Select **"Driver Setting"**.

3 Select **"Enable This Feature"**.

MANUALLY SELECT LINKED SETTINGS

1 Select **"Manually Select Linked Settings"**.

2 Select the desired phone.

- After a few seconds, loaded screen automatically switches to the home screen.

DELETING PERSONAL DATA

1 Display the general settings screen. (→P.62)

2 Select **"Delete Personal Data"**.

3 Select **"Delete"**.

4 Select **"Yes"** when the confirmation screen appears.

- Registered or changed personal settings will be deleted or returned to their default conditions.
  For example:
  • Navigation settings*
  • Audio settings
  • Phone settings

*: Entune Premium Audio only

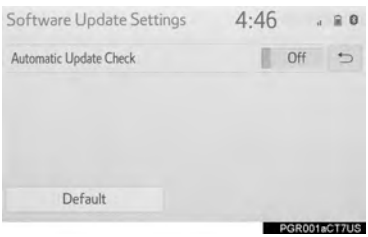
SOFTWARE UPDATE SETTINGS

When the automatic update check function is enabled, if a software update is available from the Toyota Entune center, a message will be displayed.

1 Display the general settings screen. (→P.62)

2 Select **"Software Update Setting"**.

3 Select **"Automatic Update Check"** to enable/disable the automatic update check function.



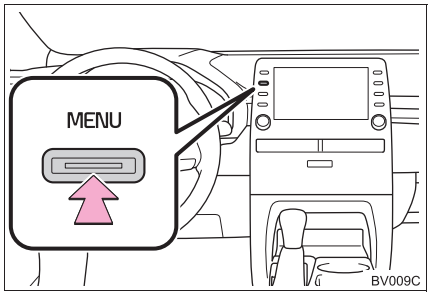
INFORMATION

- When software update information is displayed, contact your Toyota dealer.

2. VOICE SETTINGS

Voice volume, etc. can be set.

1 Press the **“MENU”** button.



2 Select **“Setup”**.

3 Select **“Voice”**.

4 Select the desired items to be set.

VOICE SETTINGS SCREEN

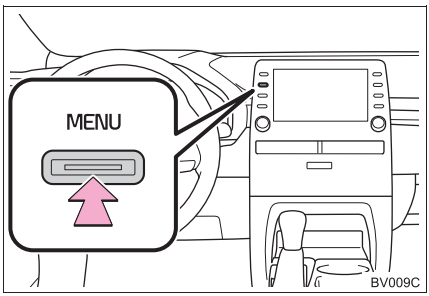
No.	Function
1	Select to adjust the volume of voice guidance.
2 *1	Select to set the voice guidance during route guidance on/off.
3 *1	Select to set the voice guidance during audio/visual and/or air conditioning*2 system use on/off.
4	Select to set the voice recognition prompts.
5	Select to train voice recognition. The voice command system adapt the user accent.
6	Select to start the voice recognition tutorial.
7 *1	Select to set the beep sound of navigation guidance.
8	Select to set the voice prompt interrupt on/off.
9 *1	Select to set the web search engine. The search engines are Toyota Entune App Suite Connect applications. (→P.300)
10	Select to reset all setup items.

*1: Entune Premium Audio only
*2: Vehicles with hybrid system

3. VEHICLE SETTINGS

Settings are available for maintenance, vehicle customization, etc.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

3 Select **"Vehicle"**.

4 Select the desired items to be set.

No.	Function	Page
1 *1	Select to set maintenance.	69
2	Select to set vehicle customization.	"OWNER'S MANUAL"
3 *2	Select to set driving mode.	"OWNER'S MANUAL"
4	Select to set valet mode.	71
5 *3	Select to set dealer information.	72

*1: Entune Premium Audio only
*2: If equipped
*3: Entune Audio Plus with DCM only

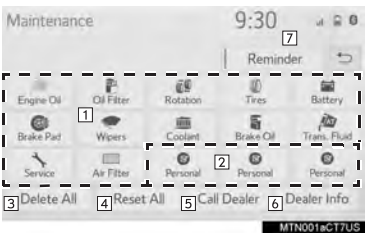
MAINTENANCE*4

When this system is turned on, the maintenance reminder screen displays when it is time to replace a part or certain components. (→P.32)

1 Display the vehicle settings screen. (→P.69)

2 Select **"Maintenance"**.

3 Select the desired item.



No.	Function
1	Select to set a reminder for a part or component.
2	Select to add a reminder other than the provided ones.
3	Select to cancel all reminders which have been entered.
4	Select to reset all reminders which have expired.
5	Select to call the registered dealer.
6	Select to register/edit dealer information. (→P.70)
7	The system is set to give maintenance information with the maintenance reminder screen. (→P.32)

*4: Entune Premium Audio only

INFORMATION

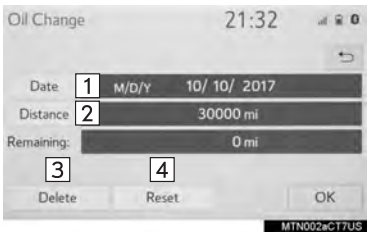
- When the vehicle needs to be serviced, the screen button color will change to orange.

MAINTENANCE INFORMATION SETTING

1 Select the desired part or component screen button.

- When the vehicle needs to be serviced, the screen button color will change to orange.

2 Set the conditions.



No.	Function
1	Select to enter the next maintenance date.
2	Select to enter the driving distance until the next maintenance check.
3	Select to cancel the conditions which have been entered.
4	Select to reset the conditions which have expired.

3 Select **"OK"** after entering the conditions.

INFORMATION

- For scheduled maintenance information, refer to "Scheduled Maintenance Guide" or "Owner's Manual Supplement".
- Depending on driving or road conditions, the actual date and distance that maintenance should be performed may differ from the stored date and distance in the system.

DEALER SETTING

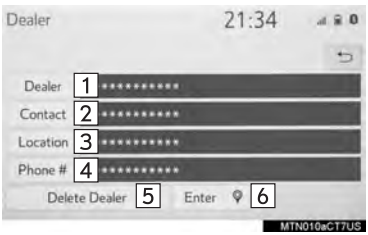
Dealer information can be registered in the system. With dealer information registered, route guidance to the dealer is available.

1 Select **"Set Dealer"**.

2 Select the desired item to search for the location. (→P.243)

- The editing dealer screen appears after setting the location.

3 Select the desired items to be edited.



No.	Function	Page
1	Select to enter the name of a dealer.	71
2	Select to enter the name of a dealer member.	71
3	Select to set the location.	71
4	Select to enter the phone number.	71
5	Select to delete the dealer information displayed on the screen.	—
6	Select to set the displayed dealer as a destination.	253

EDITING DEALER OR CONTACT NAME

1 Select **"Dealer"** or **"Contact"**.

2 Enter the name and select **"OK"**.

EDITING THE LOCATION

1 Select **"Location"**.

2 Scroll the map to the desired point (→P.234) and select **"Enter"**.

EDITING PHONE NUMBER

1 Select **"Phone #"**.

2 Enter the phone number and select **"OK"**.

VALET MODE

The security system can be set to on by entering a security code (4-digit number).

When set to on, the system will become inoperative once the electrical power source is disconnected until the security code is entered.

SETTING THE VALET MODE

1 Display the vehicle settings screen. (→P.69)

2 Select **"Valet Mode"**.

3 Enter the 4-digit personal code and select **"OK"**.

4 Enter the same 4-digit personal code again and select **"OK"**.

- The system will request that you input the security code again to confirm that you remember it correctly.

- When valet mode activates, the system stops and a security code (4-digit number) standby screen is displayed. (→P.72)

INFORMATION

- If the 4-digit personal code is forgotten, please contact your Toyota dealer.

IF THE VALET MODE HAS BEEN ACTIVATED

1 Enter the 4-digit personal code and select **"OK"**.

INFORMATION

- If an incorrect security code (4-digit number) is entered 6 times, the system will not accept another security code (4-digit number) for 10 minutes.

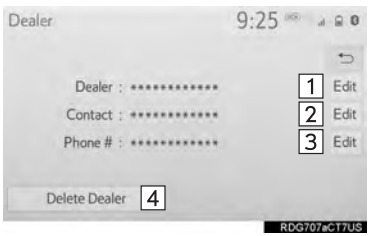
SETTING DEALER INFORMATION*

Dealer information can be registered in the system. If the vehicle alert screen is displayed, selecting the call dealer button on the screen will call the phone number registered in the dealer information. (→P.295)

1 Display the vehicle settings screen. (→P.69)

2 Select **"Dealer Info"**.

3 Select the items to be edited.



No.	Function	Page
1	Select to enter the name of a dealer.	73
2	Select to enter the name of a dealer member.	73
3	Select to enter the phone number.	73
4	Select to delete the dealer information displayed on the screen.	—

*: Entune Audio Plus with DCM only

EDITING DEALER OR CONTACT NAME

1 Select **"Edit"** next to "Dealer" or "Contact".

2 Enter the name and select **"OK"**.

EDITING PHONE NUMBER

1 Select **"Edit"** next to "Phone #".

2 Enter the phone number and select **"OK"**.

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AUDIO/VISUAL SYSTEM

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1. QUICK REFERENCE

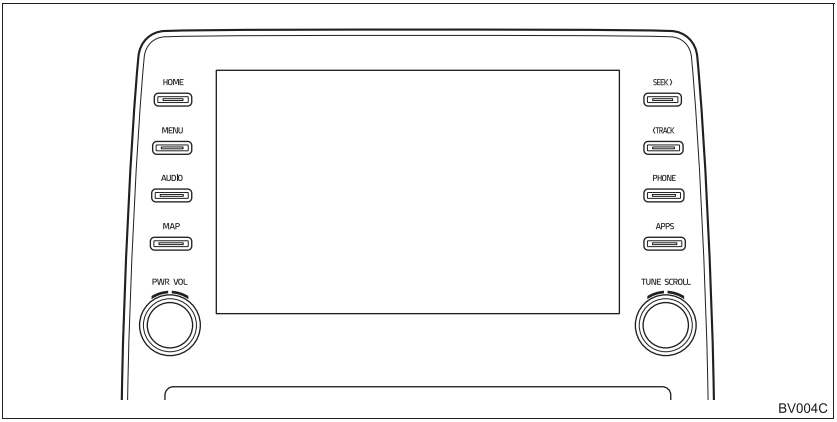
The audio control screen can be reached by the following methods:

▶From the **“AUDIO”** button

Press the **“AUDIO”** button.

▶From the **“MENU”** button

Press the **“MENU”** button, then select **“Audio”**.



Function	Page
Using the radio	82, 94
Playing a USB memory	95
Playing an iPod/iPhone	98
Playing a Bluetooth® device	102
Using the AUX port	107
Using the steering wheel switches	109
Audio system settings	111

2. SOME BASICS

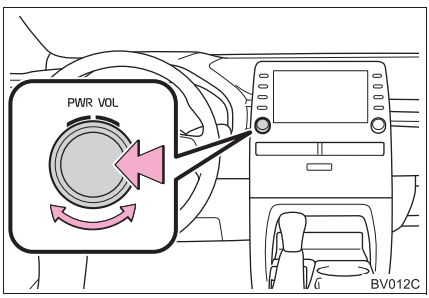
This section describes some of the basic features of the audio/visual system. Some information may not pertain to your system.

Your audio/visual system works when the engine <power> switch is in ACCESSORY or IGNITION ON <ON> mode.

NOTICE

- To prevent the 12-volt battery from being discharged, do not leave the audio/visual system on longer than necessary when the engine is not running <the hybrid system is not operating>.

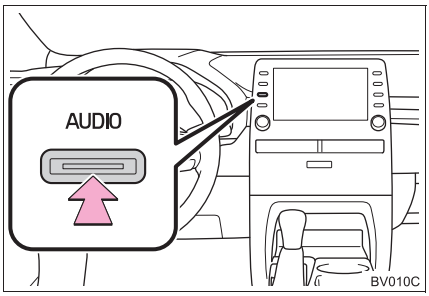
TURNING THE SYSTEM ON AND OFF



"PWR VOL" knob: Press to turn the audio/visual system on and off. The system turns on in the last mode used. Turn this knob to adjust the volume.

SELECTING AN AUDIO SOURCE

1 Press the **"AUDIO"** button.



2 Select **"Source"** or press **"AUDIO"** button again.

3 Select the desired source.

INFORMATION

- Dimmed screen buttons cannot be operated.
- When there are two pages, select > or < to change the page.
- When an Apple Carplay connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay function or will become unavailable:
  - iPod (Audio Playback)
  - USB audio/USB video
  - Bluetooth® audio
  - Toyota Entune App Suite Connect

REORDERING THE AUDIO SOURCE

1 Display the audio source selection screen. (→P.77)

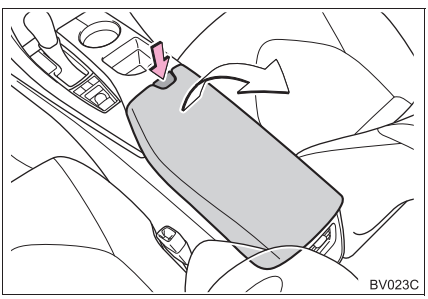
2 Select **“Reorder”**.

3 Select the desired audio source then < or > to reorder.

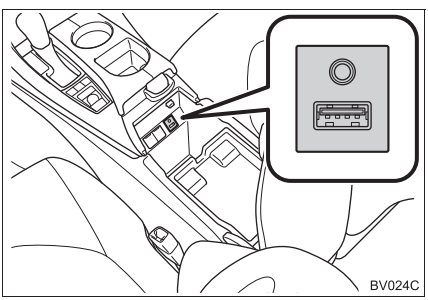
4 Select **“OK”**.

USB/AUX PORT

1 Push the knob.



2 Connect a device.



- Turn on the power of the device if it is not turned on.

INFORMATION

- The AUX port only supports audio input.
- If a USB hub is plugged-in, two devices can be connected at a time.
- Even if a USB hub is used to connect more than two USB devices, only the first two connected devices will be recognized.
- If a USB hub that has more than two ports is connected to the USB port, devices connected to the USB hub may not charge or be operable, as the supply of current may be insufficient.

NOTICE

- Depending on the size and shape of the device that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the device or the terminal, etc.

SOUND SETTINGS

1 Display the audio control screen. (→P.77)

2 Select **“Sound”**.

3 Select the desired item to be set.

▶Type A

▶Type B

No.	Function	Page
1	Select to set the treble/mid/bass.	79
2	Select to set the fader/balance.	79
3	Select to set the Automatic Sound Levelizer.	80
4	Select to set the surround on/off. This function can create a feeling of presence items.	—

TREBLE/MID/BASS

How good an audio program sounds is largely determined by the mix of the treble, mid and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid and bass.

1 Select **"Treble/Mid/Bass"**.

2 Select the desired screen button.

No.	Function
1	Select **"+"** or **"-"** to adjust high-pitched tones.
2	Select **"+"** or **"-"** to adjust mid-pitched tones.
3	Select **"+"** or **"-"** to adjust low-pitched tones.

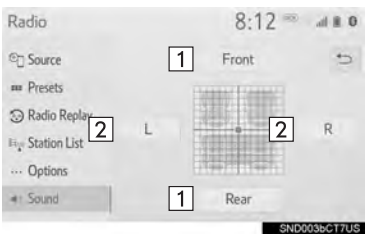
FADER/BALANCE

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that when listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of 1 group of sounds while decreasing the volume of another.

1 Select **"Fader/Balance"**.

2 Select the desired screen button.



No.	Function
1	Select to adjust the sound balance between the front and rear speakers.
2	Select to adjust the sound balance between the left and right speakers.

AUTOMATIC SOUND LEVELIZER (ASL)

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased road noise, wind noise, or other noises while driving.

▶Type A

1 Select **"Automatic Sound Levelizer"**.

2 Select **"High"**, **"Mid"**, **"Low"** or **"Off"**.

▶Type B

1 Select **"Automatic Sound Levelizer"**.

2 Select to set the Automatic Sound Levelizer on/off.

AUDIO SCREEN ADJUSTMENT

SCREEN FORMAT SETTINGS

The screen format can be selected for USB video.

1 Press the **"MENU"** button.

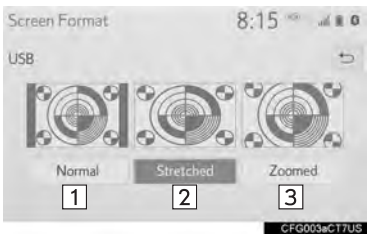
2 Select **"Setup"**.

3 Select **"Audio"**.

4 Select **"Common"**.

5 Select **"Screen Format"**.

6 Select the desired item to be adjusted.



No.	Function
1	Select to display a 4 : 3 screen, with either side in black.
2	Select to enlarge the image horizontally and vertically to full screen.
3	Select to enlarge the image by the same ratio horizontally and vertically.

SCREEN ADJUSTMENT

The contrast and brightness of the screen can be adjusted.

1 Press the **"MENU"** button.

2 Select **"Setup"**.

3 Select **"Audio"**.

4 Select **"Common"**.

5 Select **"Display"**.

6 Select the desired item to be adjusted.

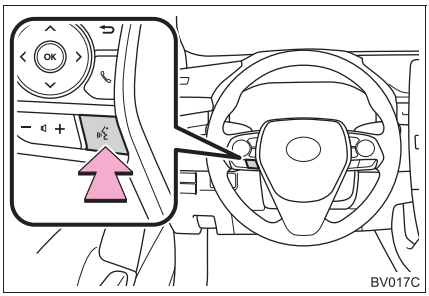
Screen button	Function
"Contrast" "+"	Select to strengthen the contrast of the screen.
"Contrast" "-"	Select to weaken the contrast of the screen.
"Brightness" "+"	Select to brighten the screen.
"Brightness" "-"	Select to darken the screen.

INFORMATION

- Depending on the audio source, some functions may not be available.

VOICE COMMAND SYSTEM

1 Press this switch to operate the voice command system.



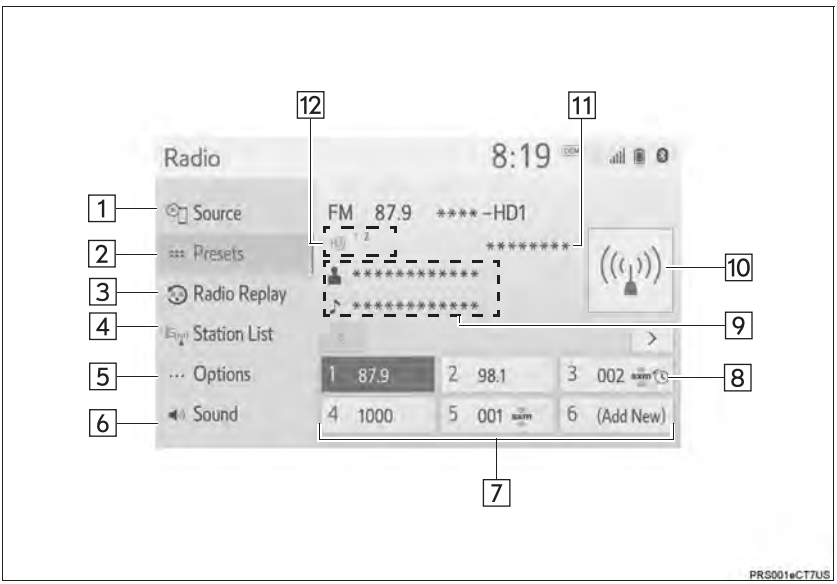
- The voice command system and its list of commands can be operated. (→P.124)

1. AM/FM/SiriusXM (SXM) RADIO

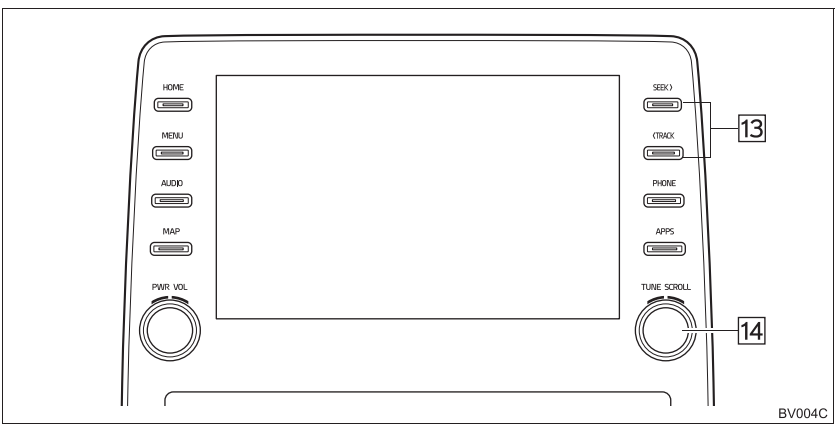
OVERVIEW

The radio operation screen can be reached by the following methods:
→P.77

■CONTROL SCREEN



■CONTROL PANEL



No.	Function	Page
1	Select to display the audio source selection screen.	—
2	Select to display the preset stations screen.	84
3	Select to display the cache radio operation screen.	84
4	Select to display a list of receivable stations.	86
5	Select to display the radio options screen.	87
6	Select to display the sound setting screen.	78
7	Select to tune to preset stations/channels.	84
8	Displays items on the channels registered to smart favorites	85, 112
9	Displays the artist info and song title or album Select to change the displayed information. Displays messages when available	—
10	Displays cover art, station logo, etc.	—
11	Displays information about the song/track currently being played	—
12	Select to display HD) multicast channels available.	88
13	• Press to seek for stations in the relevant program type/channel category. • Press and hold for continuous seek.	—
14	• Turn to step up/down frequencies/channels. • Turn to move up/down the station. Also, the knob can be used to enter selections on the list screens by pressing it.	—

INFORMATION

- The radio automatically changes to stereo reception when a stereo broadcast is received.
- The radio automatically blends to an HD Radio signal in AM or FM where available.

PRESETTING A STATION

Radio mode has a mix preset function, which can store up to 36 stations (6 stations per page x 6 pages) from any of the AM, FM or SXM bands.

1 Tune in the desired station.

2 Select and hold **"(Add New)"**.

- When **"(Add New)"** is selected, a confirmation message appears. Select **"Yes"** and select **"OK"**.
- To change the preset station to a different one, select and hold the preset station.

INFORMATION

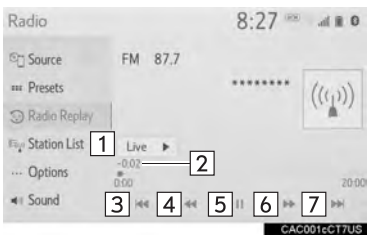
- The number of preset radio stations displayed on the screen can be changed. (→P.112)

CACHING A RADIO PROGRAM

AM/FM*1 and SXM radio program can be cached and played back in a time-shifted manner.

1 Select **"SXM Replay"***2 or **"Radio Replay"***1.

2 Select the desired cache radio operation button.



No.	Function
1	Returns to the live radio broadcast
2	Displays the replay offset from the current time
3	Skips backward 2 minutes (AM/FM) Select to change the current/previous track (SXM)
4	Fast rewinds continuously
5	Pauses the playback (To restart, select ▶)
6	Fast forwards continuously
7	Skips forward 2 minutes (AM/FM) Select to change the next track (SXM)

*1: Entune Premium Audio only
*2: Entune Audio Plus only

INFORMATION

- The system can store up to 20 minutes of AM/FM and less than 60 minutes of SXM. Cached data will be erased when the radio mode or station is changed or when the audio/visual system is turned off.
- AM/FM: If noise or silence occurs during the caching process, cache writing will continue, with the noise or silence recorded as is. In this case, the cached broadcast will contain the noise or silence when played back.

AUTOMATIC PLAYBACK OF THE CACHE

If the radio broadcast is interrupted by another audio output, such as an incoming phone call, the system will automatically cache the interrupted portion and perform time-shift playback when the interruption ends. This function is available when **"Auto Pause"** is set to on. (→P.87)

SMART FAVORITES (SXM)

Up to 20 channels can be registered as presets in the cache. Caches the latest less than 30 minutes for each channel.

For channel registration: →P.112

1. Select channels registered to smart favorites.
2. Select **"SXM Replay"**[*1] or **"Radio Replay"**[*2].

INFORMATION

- When **"SXM Tune Start"** is turned on (→P.87), the current song is played from the beginning when you select the channel.
- is displayed on the channels registered to smart favorites. (→P.82)

*1: Entune Audio Plus only
*2: Entune Premium Audio only

SELECTING A STATION FROM THE LIST

1 Select **“Station List”**.

2 Select **“AM”**, **“FM”** or **“SXM”**.

▶FM and SXM

3 Select the desired program genre.

4 Select the desired station.

INFORMATION

- The genre list is in the following order:
  - Classical
  - Country
  - EasyLis (Easy Listening)
  - Inform (Information)
  - Jazz
  - News
  - Oldies
  - Other
  - Pop Music
  - Religion
  - Rock
  - R&B (Rhythm and Blues)
  - Sports
  - Talk
  - Traffic (Not available when “HD Radio™” indicator is off.)
  - Alert (Emergency Alert)

REFRESHING THE STATION LIST

1 Select **“Refresh”**.

“Cancel Refresh”: Select to cancel the refresh.

“Source”: Select to change to another audio source while refreshing.

INFORMATION

- The audio/visual system sound is muted during refresh operation.
- In some situations, it may take some time to update the station list.

RADIO OPTIONS

1 Select **“Options”**.

2 Select the desired item.

No.	Function
1	Select to turn automatic playback of the cache on/off.
2	When “SXM Tune Start” is turned on, the current song is played from the beginning when you select the channel.
3	Select to turn digital AM Radio mode on/off.
4	Select to turn digital FM Radio mode on/off.
5	Analog FM only: Select to display RBDS text messages.
6	▶AM/FM Select to scan for receivable stations. ▶SXM Select to seek for stations in the relevant program type/channel category.

RADIO BROADCAST DATA SYSTEM

This audio/visual system is equipped with Radio Broadcast Data Systems (RBDS). RBDS mode allows text messages to be received from radio stations that utilize RBDS transmitters.

When RBDS is on, the radio can
— only select stations of a particular program type,
— display messages from radio stations.

RBDS features are available only when listening to an FM station that broadcasts RBDS information and the “FM Info” function is on. (→P.87)

USING HD Radio™ TECHNOLOGY

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 with no static or distortion. For more information, and a guide to available radio stations and programming, refer to www.hdradio.com.

HD Radio features included in Toyota radios:

- Digital Sound - HD Radio broadcasts deliver crystal-clear, digital audio quality to listeners.
- HD2/HD3 Channels- FM stations can provide additional digital only audio programming with expanded content and format choices on HD2/HD3 channels.
- PSD- Program Service Data (PSD) gives you on-screen information such as artist name and song title.
- Artist Experience- Images related to the broadcast are displayed on the radio screen, such as album cover art and station logos.

HD Radio Technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. For patents see http://dts.com/patents. HD Radio, Artist Experience, and the HD, HD Radio, and “ARC” logos are registered trademarks or trademarks of iBiquity Digital Corporation in the United States and/or other countries.

AVAILABLE HD Radio™ TECHNOLOGY

MULTICAST

On the FM radio frequency most digital stations have “multiple” or supplemental programs on one FM station.

1 Select .

2 Select the desired channel.

- Turning the **“TUNE SCROLL”** knob can also select the desired multicast channel.

HD Radio™ TROUBLESHOOTING GUIDE

Experience	Cause	Action
Mismatch of time alignment a user may hear a short period of programming replayed or an echo, stutter or skip.	The radio stations analog and digital volume is not properly aligned or the station is in ballgame mode.	None, radio broadcast issue. A user can contact the radio station.
Sound fades, blending in and out.	Radio is shifting between analog and digital audio.	Reception issue, may clear-up as the vehicle continues to be driven. Turning the indicator of the “HD Radio™” button off can force radio in an analog audio.
Audio mute condition when an HD2/HD3 multicast channel had been playing.	The radio does not have access to digital signals at the moment.	This is normal behavior, wait until the digital signal returns. If out of the coverage area, seek a new station.
Audio mute delay when selecting an HD2/HD3 multicast channel preset.	The digital multicast content is not available until HD Radio™ broadcast can be decoded and make the audio available. This takes up to 7 seconds.	This is normal behavior, wait for the audio to become available.
Text information does not match the present song audio.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; hdradio.com/stations/feedback.
No text information shown for the present selected frequency.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; hdradio.com/stations/feedback.

HOW TO SUBSCRIBE TO SiriusXM Satellite Radio

To listen to a satellite radio broadcast in the vehicle, a subscription to the SiriusXM Satellite Radio service is necessary.

A SiriusXM Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous U.S. states and some Canadian provinces.

HOW TO SUBSCRIBE

It is necessary to enter into a separate service agreement with SiriusXM Satellite Radio in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and digital satellite tuner.

- For complete information on subscription rates and terms, or to subscribe to SiriusXM Satellite Radio:

▶U.S.A.
Refer to www.siriusxm.com or call 1-877-447-0011.

▶Canada
Refer to www.siriusxm.ca or call 1-877-438-9677.

NOTICE

- SiriusXM Satellite Radio Services—Legal Disclaimers and Warnings
  - Fees and Taxes—Subscription fee, taxes, one time activation fee, and other fees may apply. Subscription fee is consumer only. All fees and programming subject to change.
    Subscriptions subject to Customer Agreement available at www.siriusxm.com. (U.S.A.) or www.siriusxm.ca (Canada) SiriusXM service only available in the 48 contiguous United States and Canada.
    Explicit Language Notice—Channels with frequent explicit language are indicated with an “XL” preceding the channel name. Channel blocking is available for SiriusXM Satellite Radio receivers by notifying SiriusXM at;
    U.S.A. Customers:
    Visit www.siriusxm.com Or calling 1-877-447-0011
    Canadian Customers:
    Visit www.siriusxm.ca Or calling 1-877-438-9677
- It is prohibited to copy, decompile, disassemble, reverse engineer, hack, manipulate, or otherwise make available any technology or software incorporated in receivers compatible with the SiriusXM Satellite Radio System or that support the SXM website, the Online Service or any of its content. Furthermore, the AMBE® voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc.
- Note: this applies to SiriusXM Satellite Radio receivers only and not SXM Ready devices.

INFORMATION

- SiriusXM Radio Services—Descriptions
  - Radio and Entertainment
    SiriusXM offers more than 170 satellite radio channels of commercial-free music and premier sports, news, talk, and entertainment. SiriusXM is broadcast via satellites to millions of listeners across the continental United States. SiriusXM subscribers listen to SiriusXM on satellite radio receivers for the car, home, and portable use. More information about SiriusXM is available online at www.siriusxm.com (U.S.A.) or www.siriusxm.ca (Canada).
  - Infotainment and Data services SiriusXM offers a variety of advanced Infotainment and data services.

INFORMATION

- SiriusXM Radio Services—Subscription Instructions
  - For SiriusXM Services requiring a subscription (such as SiriusXM Radio, and some Infotainment & data services), the following paragraph shall be included.
    Required SiriusXM Radio and some Infotainment & data services monthly subscriptions sold separately after trial period. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions are subject to the Customer Agreement available at www.siriusxm.com (U.S.A.) or www.siriusxm.ca (Canada). SXM service only available in the 48 contiguous United States (U.S.A.) or 10 Canadian provinces (Canada). © 2011 Sirius XM Radio Inc. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All other marks, channel names and logos are the property of their respective owners.
    For more information, program schedules, and to subscribe or extend subscription after complimentary trial period; more information is available at:
    USA Customers:
    Visit www.siriusxm.com or call 1-877-447-0011
    Canadian Customers:
    Visit www.siriusxm.ca or call 1-877-438-9677
- SiriusXM Satellite Radio is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the SiriusXM Satellite Radio customer service agreement.
- Customers should have their radio ID ready; the radio ID can be found by tuning to “Ch 000” on the radio. For details, see “DISPLAYING THE RADIO ID” below.
- All fees and programming are the responsibility of SiriusXM Satellite Radio and are subject to change.

SATELLITE TUNER TECHNOLOGY NOTICE

Toyota's satellite radio tuners are awarded Type Approval Certificates from Sirius XM Satellite Radio Inc. as proof of compatibility with the services offered by SiriusXM Satellite Radio.

INFORMATION

- Satellite tuner
  The tuner supports only Audio Services (Music and Talk) and the accompanying Text Information of XM® Satellite Radio.

DISPLAYING THE RADIO ID

Each SiriusXM tuner is identified with a unique radio ID. The radio ID is required when activating an SiriusXM service or when reporting a problem.

- If "Ch 000" is selected using the **"TUNE SCROLL"** knob, the ID code, which is 8 alphanumeric characters, will be displayed. If another channel is selected, the ID code will no longer be displayed. The channel (000) alternates between displaying the radio ID and the specific radio code.

IF THE SATELLITE RADIO TUNER MALFUNCTIONS

When problems occur with the SXM tuner, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

Message	Explanation
“Check Antenna”	The SXM antenna is not connected. Check whether the SXM antenna cable is attached securely. Contact your Toyota dealer for assistance.
	A short circuit occurs in the antenna or the surrounding antenna cable. Contact your Toyota dealer for assistance.
“No Signal”	The SXM signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
“Chan Unavailable”	Selected CH is not available condition. Current receive CH is not available condition.
“Ch Unsubscribed”	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “Ch 001”. If it does not change automatically, select another channel.

INFORMATION

- Contact the SiriusXM Listener Care Center at 1-877-447-0011 (U.S.A.) or 1-877-438-9677 (Canada).

2. INTERNET RADIO

LISTENING TO INTERNET RADIO

One of Toyota Entune App Suite Connect features is the ability to listen to internet radio. In order to use this service, a compatible phone and the system needs to be set up. For details: →P.300

1 Display the audio source selection screen. (→P.77)

2 Select the desired application screen button.

- The internet radio application screen is displayed.
- Perform operations according to the displayed application screen.
- For the instrument panel operation method: →P.77
- If a compatible phone is already registered, it will be connected automatically.

INFORMATION

- Other applications can be activated while listening to internet radio.
- Some parts of applications can be adjusted using the switches on the steering wheel.
- For additional information, refer to http://www.toyota.com/Entune/ or call 1-800-331-4331 in the United States, http://www.toyota.ca/entune or call 1-888-869-6828 in Canada, and http://www.toyotapr.com/entune or call 1-877-855-8377 in Puerto Rico.

1. USB MEMORY

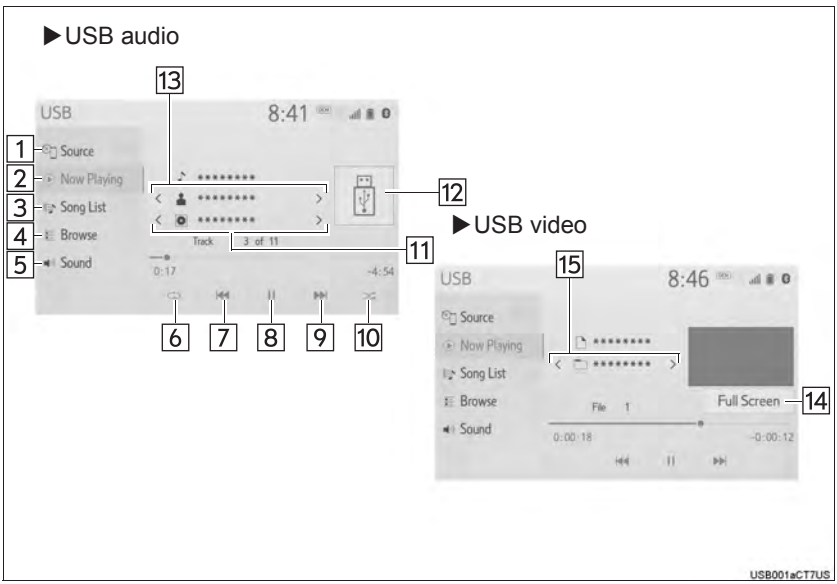
OVERVIEW

The USB memory operation screen can be reached by the following methods: →P.77

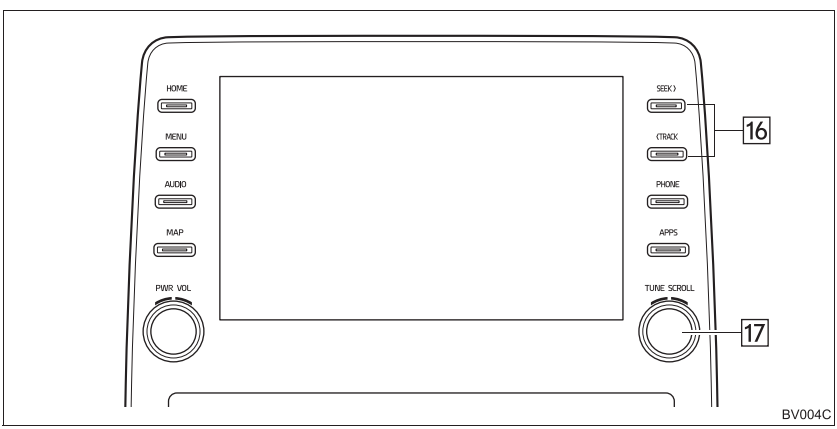
▶Connect a USB memory →P.78

When an Apple CarPlay connection is established, this function will be unavailable.

■CONTROL SCREEN



■CONTROL PANEL



No.	Function
1	Select to display the audio source selection screen.
2	Select to return to the top screen.
3	Select to display a song list screen.
4	Select to display the play mode selection screen.
5	Select to display the sound setting screen. (→P.78)
6	Select to set repeat playback. • Each time is selected, the mode changes as follows: file/track repeat→folder/album repeat*→off *: When random playback is off.
7	Select to change the file/track. Select and hold to fast rewind.
8	Select to play/pause.
9	Select to change the file/track. Select and hold to fast forward.
10	Select to set random playback. • Each time is selected, the mode changes as follows: 1 folder/album random→all folder/album random→off
11	Select to change the folder/album.
12	Displays cover art
13	Select to change the artist.
14	Select to display a full screen image.
15	Select to change the folder.
16	• Press to change the file/track. • Press and hold to fast forward/rewind.
17	• Turn to change the file/track. • Turn to move up/down the list. Also, the knob can be used to enter selections on the list screens by pressing it.

WARNING

- Do not operate the player's controls or connect the USB memory while driving.

NOTICE

- Do not leave your portable player in the car. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

INFORMATION

- While the vehicle is being driven, this function can only output sound.
- If tag information exists, the file names will be changed to track names.

2. iPod/iPhone

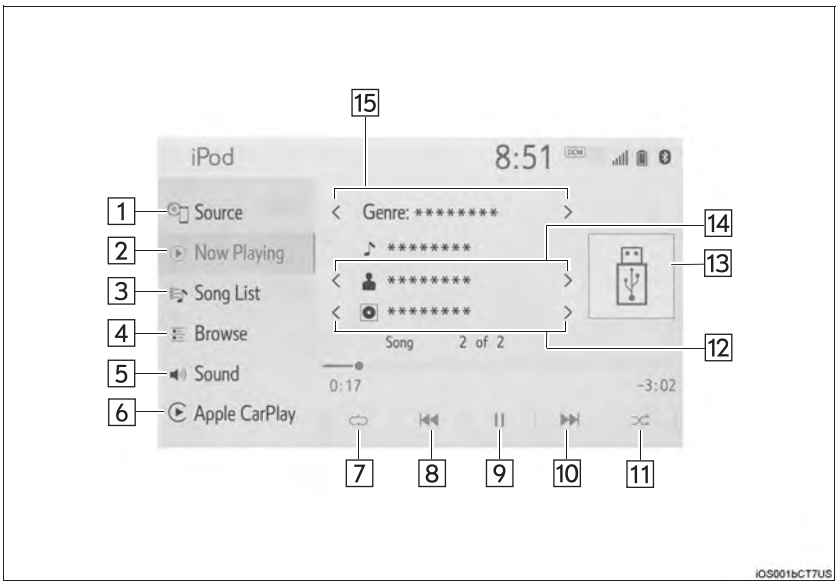
OVERVIEW

The iPod/iPhone operation screen can be reached by the following methods:
→P.77

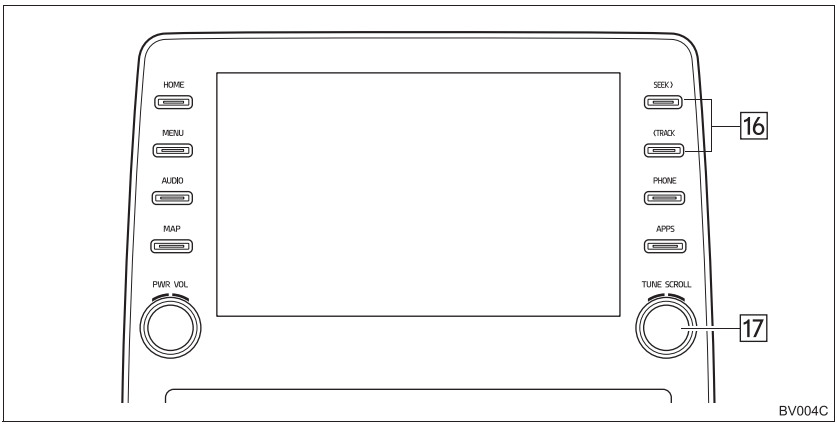
▶Connect an iPod/iPhone
→P.59, 78

When the iPod/iPhone connected to the system includes video, the system can only output the sound by selecting the browse screen.

CONTROL SCREEN



CONTROL PANEL



No.	Function
1	Select to display the audio source selection screen.
2 *1	Select to return to the top screen.
3 *1	Select to display a song list screen.
4 *1	Select to display the play mode selection screen.
5	Select to display the sound setting screen. (→P.78)
6 *2	Select to display the audio control screen of Apple CarPlay.
7	Select to set repeat playback. • Each time is selected, the mode changes as follows: track repeat→album repeat*→off *: This function may not be available depending on the type of model.
8	Select to change the track. Select and hold to fast rewind.
9	Select to play/pause.
10	Select to change the track. Select and hold to fast forward.
11	Select to set random playback. • Each time is selected, the mode changes as follows: 1 album random→all album random→off
12 *1	Select to change the album.

No.	Function
13	Displays cover art
14*1	Select to change the artist.
15*1	Select to change the playlist.
16	• Press to change the track. • Press and hold to fast forward/rewind.
17	• Turn to change the track. • Turn to move up/down the list. Also, the knob can be used to enter selections on the list screens by pressing it.

*1: When an Apple CarPlay connection is established, this switch will not be displayed.
*2: This switch will only be displayed when an Apple CarPlay connection is established.

WARNING

- Do not operate the player's controls or connect the iPod/iPhone while driving.

NOTICE

- Do not leave your portable player in the car. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

INFORMATION

- When an iPod/iPhone is connected using a genuine iPod/iPhone cable, the iPod/iPhone starts charging its battery.
- Depending on the iPod/iPhone, the video sound may not be able to be heard.
- Depending on the iPod/iPhone and the songs in the iPod/iPhone, a cover art may be displayed. This function can be changed to on/off. (→P.111) It may take time to display the cover art, and the iPod/iPhone may not be operated while the cover art display is in process.
- When an iPod/iPhone is connected and the audio source is changed to iPod/iPhone mode, the iPod/iPhone will resume playing from the same point it was last used.
- Depending on the iPod/iPhone that is connected to the system, certain functions may not be available.
- Tracks selected by operating a connected iPod/iPhone may not be recognized or displayed properly.
- The system may not function properly if a conversion adapter is used to connect a device.

3. Bluetooth® AUDIO

The Bluetooth® audio system enables users to enjoy listening to music that is played on a portable player on the vehicle speakers via wireless communication.

This audio/visual system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth®, the Bluetooth® audio system will not function.

OVERVIEW

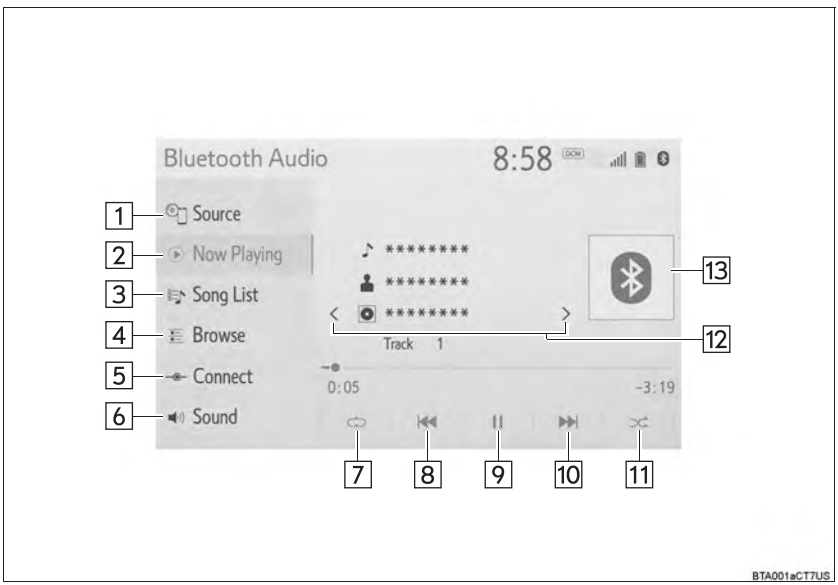
The Bluetooth® audio operation screen can be reached by the following methods: →P.77

▶Connect a Bluetooth® audio device
→P.106

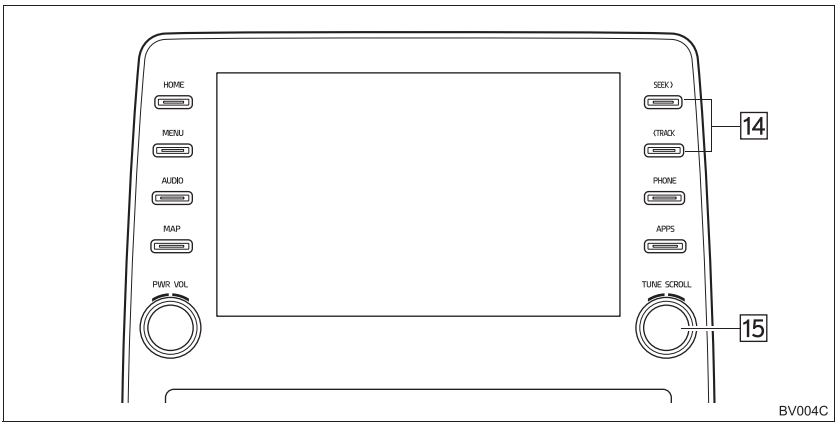
Depending on the type of portable player connected, some functions may not be available and/or the screen may look differently than shown in this manual.

When an Apple CarPlay connection is established, Bluetooth® audio will be suspended and become unavailable.

CONTROL SCREEN



CONTROL PANEL



No.	Function
1	Select to display the audio source selection screen.
2	Select to return to the top screen.
3	Select to display a song list screen.
4	Select to display the play mode selection screen.
5	Select to display the portable device connection screen. (→P.106)
6	Select to display the sound setting screen. (→P.78)
7	Select to set repeat playback. • Each time is selected, the mode changes as follows: track repeat→album repeat*→off *: When random playback is off.
8	Select to change the track. Select and hold to fast rewind.
9	Select to play/pause.
10	Select to change the track. Select and hold to fast forward.
11	Select to set random playback. • Each time is selected, the mode changes as follows: 1 album random→all album random→off

No.	Function
12	Select to change the album.
13	Displays cover art
14	• Press to change the track. • Press and hold to fast forward/rewind.
15	• Turn to change the track. • Turn to move up/down the list. Also, the knob can be used to enter selections on the list screens by pressing it.

WARNING

- Do not operate the player's controls or connect to the Bluetooth® audio system while driving.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.

INFORMATION

- Depending on the Bluetooth® device that is connected to the system, the music may start playing when selecting while it is paused. Conversely, the music may pause when selecting while it is playing.
- In the following conditions, the system may not function:
  - The Bluetooth® device is turned off.
  - The Bluetooth® device is not connected.
  - The Bluetooth® device has a low battery.
- When using the Bluetooth® audio and Wi-Fi® Hotspot functions at the same time, the following problems may occur:
  - It may take longer than normal to connect to the Bluetooth® device.
  - The sound may cut out.
- It may take time to connect the phone when Bluetooth® audio is being played.
- For operating the portable player, see the instruction manual that comes with it.
- If the Bluetooth® device is disconnected due to poor reception from the Bluetooth® network when the engine <power> switch is in ACCESSORY or IGNITION ON <ON> mode, the system will automatically reconnect to the portable player.
- If the Bluetooth® device is disconnected on purpose, such as it was turned off, this does not happen. Reconnect the portable player manually.
- Bluetooth® device information is registered when the Bluetooth® device is connected to the Bluetooth® audio system. When selling or disposing of the vehicle, remove the Bluetooth® audio information from the system. (→P.66)

REGISTERING/CONNECTING A Bluetooth® DEVICE

To use the Bluetooth® audio system, it is necessary to register a Bluetooth® device with the system.

▶Registering an additional device

1 Display the Bluetooth® audio control screen. (→P.102)

2 Select **"Connect"**.

3 Select **"Add Device"**.

- When another Bluetooth® device is connected, a confirmation screen will be displayed. To disconnect the Bluetooth® device, select **"Yes"**.

4 Follow the steps in "REGISTERING A Bluetooth® PHONE FOR THE FIRST TIME" from "STEP 5". (→P.43)

▶Selecting a registered device

1 Display the Bluetooth® audio control screen. (→P.102)

2 Select **"Connect"**.

3 Select the desired device to be connected.

4 Check that a confirmation screen is displayed when the connection is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

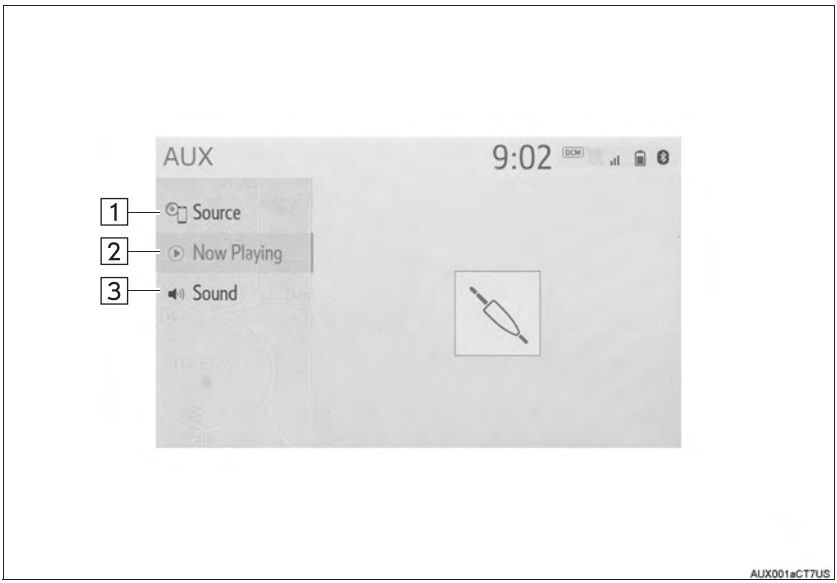
4. AUX

OVERVIEW

The AUX operation screen can be reached by the following methods:
→P.77

▶Connect a device to the AUX port
→P.78

■CONTROL SCREEN



No.	Function
1	Select to display the audio source selection screen.
2	Select to return to the top screen.
3	Select to display the sound setting screen. (→P.78)

WARNING

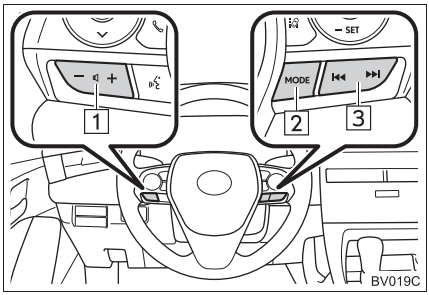
- Do not connect portable audio device or operate the controls while driving.

NOTICE

- Do not leave portable audio device in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.
- Do not push down on or apply unnecessary pressure to the portable audio device while it is connected as this may damage the portable audio device or its terminal.
- Do not insert foreign objects into the port as this may damage the portable audio device or its terminal.

1. STEERING SWITCHES

Some parts of the audio/visual system can be adjusted using the switches on the steering wheel.



No.	Switch
1	Volume control switch
2	“MODE” switch
3	Seek switch

▶Volume control switch

Mode	Operation	Function
All	Press	Volume up/down
	Press and hold	Volume up/down continuously

▶"MODE" switch

Mode	Operation	Function
AM/FM/ SXM, AUX	Press	Change audio modes
	Press and hold	Mute*1 (Press and hold again to resume the sound.)
USB*2, iPod/ iPhone, Bluetooth® audio*2, APPS*2	Press	Change audio modes
	Press and hold	Pause (Press and hold again to resume the play mode.)

*1: If cached radio is enabled, pressing and holding the "MODE" switch pauses the broadcast. (Press and hold again to play back the cached radio program.)
*2: When an Apple CarPlay connection is established, this function will be unavailable.

INFORMATION

- In the APPS mode, some operation may be done on the screen depend on the selected APPS.

▶Seek switch

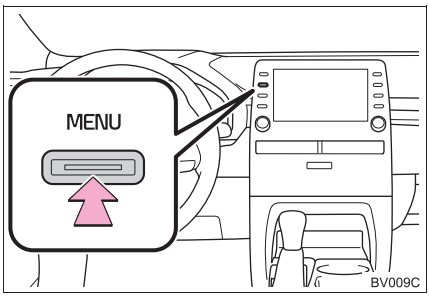
Mode	Operation	Function
AM/FM	Press	Preset channel up/down
	Press and hold (0.8 sec. or more)	Seek up/down
	Press and hold (1.5 sec. or more)	Seek up/down continuously while the switch is being pressed.
SXM	Press	Preset channel up/down
	Press and hold (0.8 sec. or more)	Seek for stations in the relevant program type/channel category
	Press and hold (1.5 sec. or more)	Fast channel up/down
USB*, iPod/ iPhone, Bluetooth® audio*	Press	Track/file up/down
	Press and hold	Fast forward/rewind

*: When an Apple CarPlay connection is established, this function will be unavailable.

1. AUDIO SETTINGS

Detailed audio settings can be programmed.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

3 Select **"Audio"**.

4 Select the desired items to be set.

AUDIO SETTINGS SCREEN

No.	Function	Page
1	Select to set the common settings.	111
2	Select to set the radio settings.	112

COMMON SETTINGS

1 Display the audio settings screen. (→P.111)

2 Select **"Common"**.

3 Select the desired items to be set.

No.	Function
1	Select to set the cover art display on/off.
2	Select to set the display of information from the Gracenote database on/off.
3*	Select to change the screen format for video output. (→P.80)
4*	Select to display the image quality adjustment screen. (→P.81)

*: Only in USB video mode

RADIO SETTINGS

1 Display the audio settings screen. (→P.111)

2 Select **“Radio”**.

3 Select the desired items to be set.

No.	Function	Page
1	Select to register smart favorites.	112
2	Select to change the number of preset radio stations displayed on the screen.	112

REGISTERING MANAGE SMART FAVORITES

1 Select **“Manage Smart Favorites”**.

2 Select the desired channel to be set.

- Displays the registered preset channels.
- Up to 20 channels can be registered.

SETTING THE NUMBER OF RADIO PRESETS

1 Select **“Number of Radio Presets”**.

2 Select the desired number of preset radio stations displayed on the screen.

1. OPERATING INFORMATION

NOTICE

- To avoid damage to the audio/visual system:
  - Be careful not to spill beverages over the audio/visual system.

INFORMATION

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio/visual system which you are listening to. However, this does not indicate a malfunction.

RADIO

Usually, a problem with radio reception does not mean there is a problem with the radio — it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or phone wires can interfere with AM signals. And of course, radio signals have a limited range. The farther the vehicle is from a station, the weaker its signal will be. In addition, reception conditions change constantly as the vehicle moves.

Here, some common reception problems that probably do not indicate a problem with the radio are described.

FM

Fading and drifting stations: Generally, the effective range of FM is about 25 miles (40 km). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path: FM signals are reflective, making it possible for 2 signals to reach the vehicle's antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering: These occur when signals are blocked by buildings, trees or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping: If the FM signal being listened to is interrupted or weakened, and there is another strong station nearby on the FM band, the radio may tune in the second station until the original signal can be picked up again.

AM

Fading: AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference: When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static: AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening or electrical motors. This results in static.

SiriusXM

- Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of SiriusXM Satellite Radio.
- Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

iPod

- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- The Lightning connector works with iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPod touch (5th and 6th generation), and iPod nano (7th generation).
- The 30-pin connector works with iPhone 4s, iPhone 4, iPhone 3GS, iPhone 3G, iPhone, iPod touch (1st through 4th generation), iPod classic, and iPod nano (1st through 6th generation).
- USB works with iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, iPhone 3GS, iPhone 3G, iPhone, iPod touch (1st through 6th generation), iPod classic, and iPod nano (1st through 7th generation).
- Bluetooth® technology works with iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, iPhone 3GS, iPhone 3G, iPhone, iPod touch (2nd through 6th generation), and iPod nano (7th generation).

COMPATIBLE MODELS

The following iPod®, iPod nano®, iPod classic®, iPod touch® and iPhone® devices can be used with this system.

Made for

- iPod touch (6th generation)
- iPod touch (5th generation)
- iPod nano (7th generation)
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPhone 6 Plus
- iPhone 6
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPhone 4s

This system only supports audio playback.

Depending on differences between models or software versions etc., some models might be incompatible with this system.

HIGH-RESOLUTION SOUND SOURCE

This device supports high-resolution sound sources.

The definition of high-resolution is based on the standards of groups such as the CTA (Consumer Technology Association).

Supported formats and playable media are as follows.

SUPPORTED FORMATS

WAV, FLAC, ALAC, OGG Vorbis

PLAYABLE MEDIA

USB

FILE INFORMATION

COMPATIBLE USB DEVICES

USB communication formats	USB 2.0 HS (480 Mbps)
File formats	FAT 16/32
Correspondence class	Mass storage class

COMPATIBLE COMPRESSED FILES

Item	USB
Compatible file format	MP3/WMA/AAC
	WAV(LPCM)/FLAC/ ALAC/OGG Vorbis
	MP4/AVI/WMV
Compatible file format (video)*	MP4/AVI/WMV
Folders in the device	Maximum 3000
Files in the device	Maximum 9999
Files per folder	Maximum 255

*: USB video only

CORRESPONDING SAMPLING FREQUENCY

File type	Frequency (kHz)
MP3 files: MPEG 1 LAYER 3	32/44.1/48
MP3 files: MPEG 2 LSF LAYER 3	16/22.05/24
WMA files: Ver. 7, 8, 9*1 (9.1/9.2)	32/44.1/48
AAC files: MPEG4/AAC-LC	11.025/12/16/ 22.05/24/32/ 44.1/48
WAV (LPCM) files*2	8/11.025/12/16/ 22.05/24/32/ 44.1/48/88.2/96/ 176.4/192
FLAC*2	8/11.025/12/16/ 22.05/24/32/ 44.1/48/88.2/96/ 176.4/192
ALAC*2	8/11.025/12/16/ 22.05/24/32/ 44.1/48/64/88.2/ 96
OGG Vorbis*2	8/11.025/16/ 22.05/32/44.1/ 48

*1: Only compatible with Windows Media Audio Standard

*2: Sound source of 48kHz or more is down-converted to 48kHz/24bit.

CORRESPONDING BIT RATES*1

File type	Bit rate (kbps)
MP3 files: MPEG 1 LAYER 3	32 - 320
MP3 files: MPEG 2 LSF LAYER 3	8 - 160
WMA files: Ver. 7, 8	CBR 48 - 192
WMA files: Ver. 9*2 (9.1/9.2)	CBR 48 - 320
AAC files: MPEG4/AAC-LC	8 - 320
OGG Vorbis	32-500

*1: Variable Bit Rate (VBR) compatible
*2: Only compatible with Windows Media Audio Standard

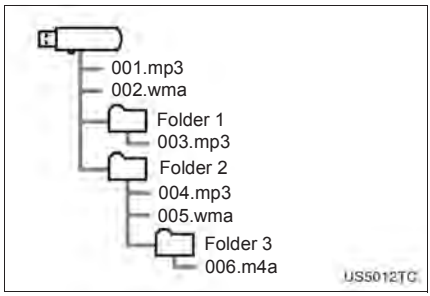
File type	Quantization bit rate (bit)
WAV (LPCM) files	16/24
FLAC	
ALAC	

COMPATIBLE CHANNEL MODES

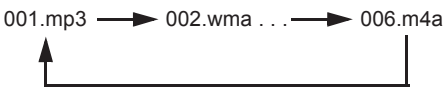
File type	Channel mode
MP3 files	Stereo, joint stereo, dual channel and monaural
WMA files	2ch
AAC files	1ch, 2ch (Dual channel is not supported)
WAV (LPCM) /FLAC/ ALAC/OGG Vorbis	2ch

- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.
- This system can play MP3/WMA/AAC files on USB memory.
- MP4, WMV and AVI files can use the following resolutions:
  128x96, 160x120, 176x144 (QCIF), 320x240 (QVGA), 352x240 (SIF), 352x288 (CIF), 640x480 (VGA), 720x480 (NTSC), 720x576 (PAL)
- When naming an MP3/WMA/AAC file, add an appropriate file extension (.mp3/.wma/.m4a).
- This system plays back files with .mp3/.wma/.m4a file extensions as MP3/WMA/AAC files respectively. To prevent noise and playback errors, use the appropriate file extension.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2 and Ver. 2.3 formats. This system cannot display disc title, track title and artist name in other formats.

- WMA/AAC files can contain a WMA/AAC tag that is used in the same way as an ID3 tag. WMA/AAC tags carry information such as track title and artist name.
- The emphasis function is available only when playing MP3 files.
- This system can play back AAC files encoded by iTunes.
- The sound quality of MP3/WMA files generally improves with higher bit rates.
- m3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if the fast forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA/AAC files.
- MP3/WMA/AAC files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using USB memory containing numerous levels of folders. For this reason, we recommend creating USB memory with no more than 2 levels of folders.



- The play order of the USB memory with the structure shown above is as follows:



- The order changes depending on the personal computer and MP3/WMA/AAC encoding software you use.

COMPATIBLE VIDEO FORMAT

Format	Codec
MPEG-4	Video codec: • H.264|MPEG-4 AVC • MPEG4 Audio codec: • AAC • MP3 Corresponding screen size: • MAX 1920×1080 Corresponding frame rate: • MAX 60i/30p
AVI Container	Video codec: • H.264|MPEG-4 AVC • MPEG4 • WMV9 • WMV9 Advanced profile Audio codec: • AAC • MP3 • WMA9.2 (7,8, 9.1, 9.2) Corresponding screen size: • MAX 1920×1080 Corresponding frame rate: • MAX 60i/30p
Windows Media Video	Video codec: • WMV9 • WMV9 Advanced profile Audio codec: • WMA9.2 (7,8, 9.1, 9.2) Corresponding screen size: • MAX 1920×1080 Corresponding frame rate: • MAX 60i/30p

TERMS

ID3 TAG

- This is a method of embedding track-related information in an MP3 file. This embedded information can include the track number, track title, the artist's name, the album title, the music genre, the year of production, comments, cover art and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to a number of characters, the information can be viewed when the track is played back.

WMA TAG

- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title and artist name.

MP3

- MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

WMA

- WMA (Windows Media Audio) is an audio compression format developed by Microsoft®. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8 and 9.
- Trademark Acknowledgement

  Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

  This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing,Inc.

AAC

- AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG2 and MPEG4.

ERROR MESSAGES

Mode	Message	Explanation
USB	“USB Error”	This indicates a problem in the USB memory or its connection.
	“No music files found.”	This indicates that no compatible files are included in the USB memory.
	“No video files found.”	This indicates that no video files are included in the USB memory.
iPod	“iPod Error.”	This indicates a problem in the iPod or its connection.
	“No music files found.”	This indicates that there is no music data in the iPod.
	“Please check the iPod firmware version.”	This indicates that the software version is not compatible. Perform the iPod firmware updates and try again.
	“Unable to authorize the iPod.”	This indicates that it failed to authorize the iPod. Please check your iPod.
Bluetooth® audio	“Music tracks not supported. Please check your portable player.”	This indicates a problem in the Bluetooth® device.

INFORMATION

- If the malfunction is not rectified: Take your vehicle to your Toyota dealer.

4

VOICE COMMAND SYSTEM

1 VOICE COMMAND SYSTEM OPERATION

1. VOICE COMMAND SYSTEM 124

USING THE VOICE COMMAND SYSTEM 124

VOICE COMMAND SYSTEM OPERATION 125

2. NATURAL LANGUAGE UNDERSTANDING 128

3. COMMAND LIST 129

2 MOBILE ASSISTANT OPERATION

1. MOBILE ASSISTANT 134

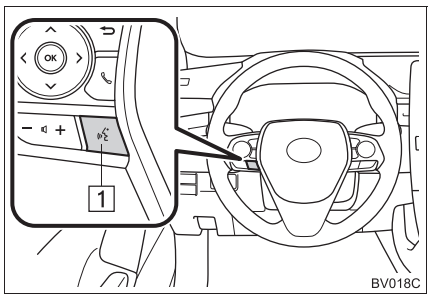
1. VOICE COMMAND SYSTEM

The voice command system enables the radio, phone dialing, etc. to be operated using voice commands.

Refer to the command list for samples of voice commands. (→P.129)

USING THE VOICE COMMAND SYSTEM

STEERING SWITCH



1 Talk switch

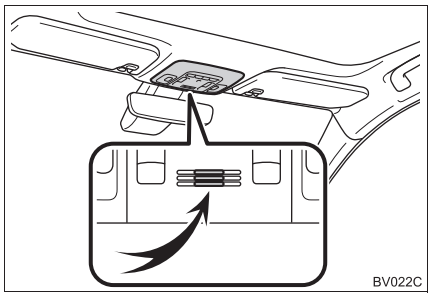
▶Voice command system

- Press the talk switch to start the voice command system. To cancel voice command, press and hold the talk switch.

▶When an Apple CarPlay connection is established

- Press and hold the talk switch to start Siri. To cancel Siri, press the talk switch.
- Press the talk switch to start the voice command system.

MICROPHONE



- It is unnecessary to speak directly into the microphone when giving a command.

INFORMATION

- Voice commands may not be recognized if:
  - Spoken too quickly.
  - Spoken at a low or high volume.
  - The roof or windows are open.
  - Passengers are talking while voice commands are spoken.
  - The fan speed of the air conditioning system is set at high.
  - The air conditioning vents are turned towards the microphone.
- In the following conditions, the system may not recognize the command properly and using voice commands may not be possible:
  - The command is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for the system to recognize.
  - There is excessive background noise, such as wind noise.
- Normally, it is necessary to wait for a beep before saying a command. To enable the ability to talk over prompts and say commands before the beep, enable the voice prompt interrupt function. (→P.68)
- This system may not operate immediately after the engine <power> switch is in ACCESSORY or IGNITION ON <ON> mode.

VOICE COMMAND SYSTEM OPERATION

The voice command system is operated by saying commands which correspond to a supported function. To display examples of commands for supported functions, select a function button on the screen after starting the voice command system.

1 Press the talk switch.

- Voice guidance for the voice command system can be skipped by pressing the talk switch.

2 If this screen is displayed, select **"OK"** or press the talk switch.

- For details about this screen: →P.126

3 After hearing a beep, say a supported command.

- To display sample commands of the desired function, say the desired function or select the desired function button. To display more commands, select **"More Commands"**.

- Selecting **"Help"** or saying ***"Help"*** prompts the voice command system to offer examples of commands and operation methods.

- Registered POIs, registered names in the contacts list etc., can be said in the place of the "<>" next to the commands. (→P.129)
  For example: Say ***"Find a restaurant"***, ***"Call John Smith"*** etc.

- If a desired outcome is not shown, or if no selections are available, perform one of the following to return to the previous screen:
  - Say ***"Go back"***.
  - Select .
- To cancel voice recognition, select , say ***"Cancel"***, or press and hold the talk switch.
- To perform the voice command operation again, select **"Start Over"** or say ***"Start over"***.
- To suspend voice command operation, select **"Pause"** or say ***"Pause"***. To resume the voice command operation, select **"Resume"** or press the talk switch.

INFORMATION

- If the system does not respond or the confirmation screen does not disappear, press the talk switch and try again.
- The amount of spoken feedback received from the system while using the voice command system (voice recognition prompts) can be changed on the voice settings screen. (→P.68)
- Some voice guidance can be canceled by setting voice prompts to off. Use this setting when it is desirable to say a command immediately after pressing the talk switch and hearing a beep.

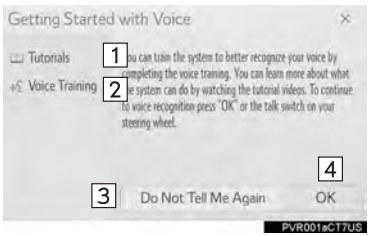
INCREASING THE VOICE RECOGNITION PERFORMANCE

To increase voice recognition performance, use the "Tutorials" and "Voice Training" functions on the "Getting Started with Voice" screen. These functions are only available when the vehicle is not moving.

The "Tutorials" and "Voice Training" functions can also be started on the voice settings screen. (→P.68)

1 Press the talk switch.

2 Select the desired item to be set.



No.	Function
1	Select to display the voice command tutorials.
2	Select to train the voice command system. The user will be asked to say 10 sample phrases. This will help the voice command system adapt to the user's accent.
3	Select to prevent the screen from being displayed again.
4	Select to proceed to the voice command screen.

DICTATION FUNCTION (ENGLISH ONLY)*

Text messages can be written using the dictation function.
To use the dictation function, a subscription to the Toyota Entune is necessary. Contact your Toyota dealer for details.

1 Select .

2 Speak to the system.

- Words recognized through your speech will be displayed. To confirm the entered text, select **"OK"**.

INFORMATION

- A keyboard screen will not be displayed when the vehicle is being driven.
- Text message reply with the dictation function may not be available depending on the type of cellular phone.

*: Entune Premium Audio with DCM only

2. NATURAL LANGUAGE UNDERSTANDING*

Due to natural language speech recognition technology, this system recognizes commands when spoken naturally. (If a Toyota Entune subscription has been entered, the system will be able to connect to the Toyota Entune center and the range of naturally spoken English which can be recognized will be increased.) However, the system cannot recognize every variation of each command. In some situations, it is possible to omit the command for the procedure and directly state the desired operation. Not all voice commands are displayed in the function menu.

To use this function, a subscription to the Toyota Entune is necessary. Contact your Toyota dealer for details.

*: Entune Premium Audio with DCM only

3. COMMAND LIST

Recognizable voice commands and their actions are shown below.

- Frequently used commands are listed in the following tables.
- For devices that are not installed to the vehicle, commands relating to that device may not be displayed on the screen. Also, depending on other conditions, such as compatibility, some commands may not be displayed on the screen.
- The functions available may vary according to the system installed.

- Voice command system language can be changed. (→P.62)

▶Common

Command	Action
“Help”	Displays examples of some of the available commands
“Go back”	Returns to the previous screen
“Cancel”	Cancels the voice command system
“Start over”	Returns to top menu screen
“Pause”	Temporarily pauses a voice session until it is resumed by pressing the talk switch again

▶Top menu

Command	Action
“Show command examples for <menu>”	Displays the command list of the selected menu
“More commands”	Displays more commonly used commands
“Voice settings”	Displays voice setting screen
“Train my voice”	Displays train voice recognition screen*

*: Vehicle must be parked

▶Navigation*1

Command	Action
“Get directions to <house #, street, city, state>”*2	Enables setting a destination by saying the address*3, 4
“Find a <POI category/POI name>”	Displays a list of <POI category*5/POI name*6> near the current position
“Find a <POI> near my destination”	Displays a list of <POI> near the destination
“Find a <POI> in a city”*2	Displays a list of <POI> in a specified city and state*7
“Go home”	Displays the route to home
“Go to favorite <1-10>”	Sets the location registered to the corresponding favorite number as the destination
“Show recent destinations”	Displays a list of recent destinations. Selecting a number from the list will start navigation to the selected recent destination.
“Cancel route”	Cancels the route guidance
“Delete destinations”	Displays a list of destination to delete*8
“Show <POI category> icons”	Displays the specified point of interest category*5 icons on the map

*1: Entune Premium Audio only
*2: English and French only
*3: Best recognition results occur when saying the full address without the zipcode
*4: When the language is set to French, the supported area is only Quebec Province in Canada
*5: For example; “Gas stations”, “Restaurants”, etc.
*6: Major national brands are always supported. Local brands are also supported with a subscription to the Toyota Entune. Contact your Toyota dealer for details.
*7: When the language is set to French, the supported area is only Quebec City in Canada
*8: Used when multiple destinations are set on a route

▶Phone

Command	Action
“Call <contact>”*	Places a call to the specified contact from the phone book
“Call <contact> <phonetype>”*	Places a call to the specified phone type of the contact from the phone book
“Dial <phone number>”	Places a call to the specified phone number
“Redial”	Places a call to the phone number of the latest outgoing call
“Call back”	Places a call to the phone number of latest incoming call
“Show recent calls”	Displays the call history screen
“Send a message to <contact>”	Sends a text message to specified contact from the phone book

*: If the system does not recognize the name of a contact, create a voice tag. (→P.220) The name of a contact can also be recognized by adding a voice tag.

▶While in a phone call

Command	Action
“Send <digits>”	Sends DTMF tones has specified
“Mute”	Mutes the microphone (far side cannot hear the conversation)
“Unmute”	Unmutes the microphone

▶While incoming message notification is displayed*

Command	Action
“Read message”	Reads the incoming message over the vehicle speakers
“Ignore”	Ignores the incoming message notification
“Reply”	Initiates sending a reply to the incoming message
“Call”	Places a call to the phone number of incoming message

*: Full screen message notification must be turned on within the phone settings (→P.212)

▶Radio

Command	Action
“Tune to <frequency> AM”	Changes the radio to the specified AM frequency
“Tune to <frequency> FM”	Changes the radio to the specified FM frequency
“Play a <genre> station”	Changes the radio to an FM station of the specified genre*1
“Tune to preset <1-36>”	Changes the radio to the specified preset radio station
“Tune to a <genre> satellite station”	Changes the radio to a satellite radio channel of the specified genre*2
“Tune to <satellite channel name>”	Changes the radio to the satellite radio channel with the specified name*2
“Tune to channel <number> on XM”	Changes the radio to a satellite radio channel of the specified number*2

*1: A station list must be built first using the radio screen (→P.82)
*2: Requires a satellite radio subscription

▶Audio*

Command	Action
“Play playlist <name>”	Plays tracks from the selected playlist
“Play artist <name>”	Plays tracks from the selected artist
“Play song <name>”	Plays the selected track
“Play album <name>”	Plays tracks from the selected album
“Play genre <name>”	Plays tracks from the selected genre
“Play composer <name>”	Plays tracks from the selected composer
“Play podcast <name>”	Plays tracks from the selected podcast
“Play audiobook <name>”	Plays tracks from the selected audiobook
“Audio on”	Turns the audio/visual system on
“Audio off”	Turns the audio/visual system off
“Change the audio source to <source name>”	Sets the source to the specified audio mode

*: The audio device must be connected via a USB cable to use the functionality in this section

▶Information*1

Command	Action
“Get the forecast”	Displays weather information
“Get the forecast for <city>”*2	Displays weather for the specified city
“Show traffic”	Displays traffic information
“Show traffic near here”	Displays traffic information near your current location
“Get traffic along my route”	Displays traffic information along your current route
“Show traffic on this street”	Displays traffic information along road you are currently driving on
“Show traffic for saved route”	Displays traffic information for a saved route
“Show predictive traffic”	Displays the predictive traffic map

*1: Entune Premium Audio only
*2: Only major US cities are supported by voice

▶Apps

Command	Action
“Launch <application name>”	Activates the Toyota Entune App Suite Connect application

INFORMATION

- When an application is opened and is in full screen mode, pressing the talk switch will start the voice command system and commands for the currently displayed application will be available.

1. MOBILE ASSISTANT

The Mobile Assistant function is a voice input assist function. Mobile Assist supports the Siri Eyes Free Mode and Google App. (Google App can be used only the corresponding device.) Instructions can be spoken into the vehicle microphone as if speaking a command to the phone. The content of the request is then interpreted by the phone and the result is output from the vehicle speakers. To operate the Mobile Assistant, a compatible device must be registered and connected to this system via Bluetooth®. (→P.43)

When an Apple CarPlay connection is established, this function will be unavailable.

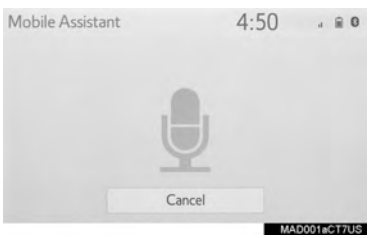
▶Type A

1 Press and hold the talk switch on the steering wheel until Mobile Assistant screen is displayed.

▶Type B

1 Press and hold the switch on the steering wheel until Mobile Assistant screen is displayed.

2 Mobile Assistant can be used only when the following screen is displayed.



- Type A: To cancel the Mobile Assistant, select **"Cancel"**, or press and hold the talk switch on the steering wheel.
  Type B: To cancel the Mobile Assistant, select **"Cancel"**, or press and hold the switch on the steering wheel.
- Type A: To restart the Mobile Assistant for additional commands, press the talk switch on the steering wheel.
  Type B: To restart the Mobile Assistant for additional commands, press the switch on the steering wheel.
  - Mobile Assistant can only be restarted after the system responds to a voice command.
  - After saying a command, the Mobile Assistant function will automatically end to complete the requested action.

- The volume of the Mobile Assistant can be adjusted using the **"PWR VOL"** knob or steering wheel volume control switches. The Mobile Assistant and phone call volumes are synchronized.

INFORMATION

- The available features and functions may vary based on the iOS/Android version installed on the connected device.
- While a phone call is active, the Mobile Assistant cannot be used.
- If using the navigation feature of the cellular phone, ensure the active audio source is Bluetooth® audio or iPod in order to hear turn by turn direction prompts.
- Wait for the listening beeps before using the Mobile Assistant.
- The Mobile Assistant may not recognize commands in the following situations:
  - Spoken too quickly.
  - Spoken at a low or high volume.
  - The roof or windows are open.
  - Passengers are talking while the Mobile Assistant is being used.
  - The fan speed of the air conditioning system is set at high.
  - The air conditioning vents are turned toward the microphone.

5

INFORMATION

1 USEFUL INFORMATION

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DISPLAYING INFORMATION SCREEN 136

2. RECEIVING WEATHER INFORMATION 137

DISPLAYING WEATHER SCREEN 137

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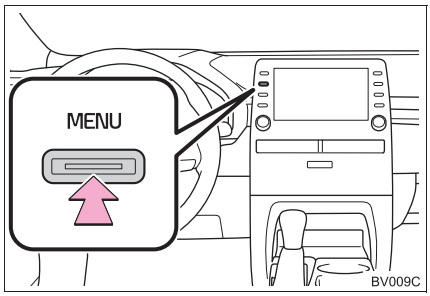
1. INFORMATION SCREEN*1

Useful information, such as the fuel consumption, weather,etc.,is available on the information screen.

DISPLAYING INFORMATION SCREEN

1 Press the **"MENU"** button.



2 Select **"Info"**.

3 Select the desired item.

No.	Function	Page
1	Select to display the fuel consumption and energy monitor*2 screen.	"OWNER'S MANUAL"
2 *3	Select to display traffic information.	240
3 *3	Select to display weather information.	137
4 *4	Select to display the vehicle alert history.	—

*2: Vehicles with hybrid system
*3: Entune Premium Audio only
*4: Vehicles with DCM

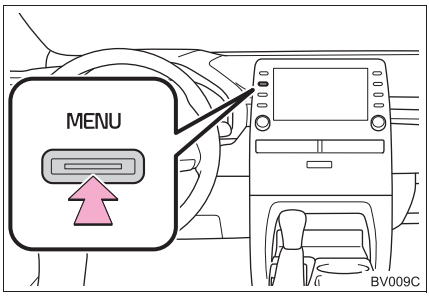
*1: Entune Audio Plus with DCM/Entune Premium Audio only

2. RECEIVING WEATHER INFORMATION*

Weather information can be received via HD Radio broadcast or DCM (Data Communication Module).

DISPLAYING WEATHER SCREEN

1 Press the **"MENU"** button.



2 Select **"Info"**.

3 Select **"Weather"**.

4 Check that the weather screen is displayed.

No.	Function
1	Select to display the current weather information. (→P.138)
2	Select to display a 3-day weather forecast for the currently displayed location. To view the details of a specific day, select the date.
3	Select to display the weather information for the next 6 hours and 12 hours. (This button is not displayed when a location is selected from the "National Cities" list of **"National/Local"**.)
4	Select to display the weather of a desired location in the recently checked locations list.
5	Select to change the displayed weather location. A location can be selected from two different lists: a list of national cities and a list of local cities. (→P.138)
6	Select to display Doppler weather radar information over the map.

*: Entune Premium Audio only

INFORMATION

- This function is not made available in some countries or areas.
- The weather for current location might not show the closest city when it first displays.
- The weather information is updated every 5 to 90 minutes. The time elapsed since the last update is displayed at the bottom right corner of the screen. If the weather has been updated less than 5 minutes ago, “Now” will be displayed.

DISPLAYING WHEATHER INFORMATION FOR THE CURRENT LOCATION

1 Display the weather screen. (→P.137)

2 Select **“Current”**.

3 Check the weather information for the current location.

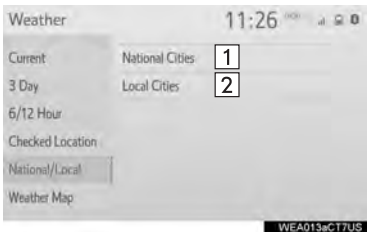
- By selecting **“3 Day”** or **“6/12 Hour”**, different types of weather information for the current location will be displayed.

SELECTING A LOCATION

1 Display the weather screen. (→P.137)

2 Select **“National/Local”**.

3 Select the desired item to be set.



No.	Function
1	Select to display the list of National cities. When the list is displayed, select the desired area.
2	Select to display the list of local cities.

4 Select the desired location from the list.

- After selecting a location, the current weather information will be displayed. By selecting **“3 Day”** or **“6/12 Hour”**, the different type of weather information for the selected location is displayed.

WEATHER GUIDANCE SERVICE

When weather information for areas around the current position, destination, or along the set route is available, important information will be output through the speakers and a pop-up message asking if you would like to view the full weather information will be displayed.

1 Select **"Yes"** when the pop-up message appears.

2 Check that the weather information is displayed.

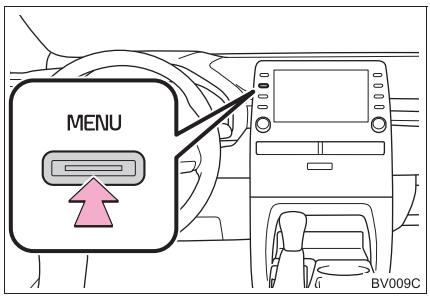
- The time since the information was last updated is displayed.
- When detailed audio weather information is available, an icon will be displayed on the weather map. Select the icon to listen to the weather information.

3. DATA SERVICES SETTINGS*

SETTING DOWNLOAD METHODS

Data service information, which is comprised of traffic information and weather information, can be received via HD Radio broadcast or DCM (Data Communication Module). The receiving method can be set to both or only via HD Radio broadcast.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

3 Select **"Data Services"**.

4 Select **"Data Download Source"**.

5 Select the desired item to be set.

No.	Function
1	Select to receive data service information via both HD Radio broadcast and the DCM. When both methods are available, HD Radio broadcast will be selected.
2	Select to receive data only via HD Radio broadcast.

INFORMATION

- This function is not made available in some countries or areas.

*: Entune Premium Audio only

1 TOYOTA PARKING ASSIST MONITOR

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1. TOYOTA PARKING ASSIST MONITOR*

The parking assist monitor assists the driver by displaying an image of the view behind the vehicle while backing up, for example while parking. When the display is changed to the wide rear view mode, a wider lateral view behind the vehicle will be displayed.

INFORMATION

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

DRIVING PRECAUTIONS

The parking assist monitor is a supplemental device intended to assist the driver when backing up. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle, and could possibly cause an accident.

Pay attention to the following precautions when using the parking assist monitor.

WARNING

- Never depend on the parking assist monitor entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state.
  Use caution, just as you would when backing up any vehicle.
- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles, people or mount the shoulder, depress the brake pedal to stop the vehicle.

WARNING

- The instructions given are only guidelines. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the parking assist system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the parking assist monitor in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tire chains or emergency tires
  - When the trunk is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
  - If the suspension has been modified or tires of a size other than specified are installed
- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.154)

*: If equipped

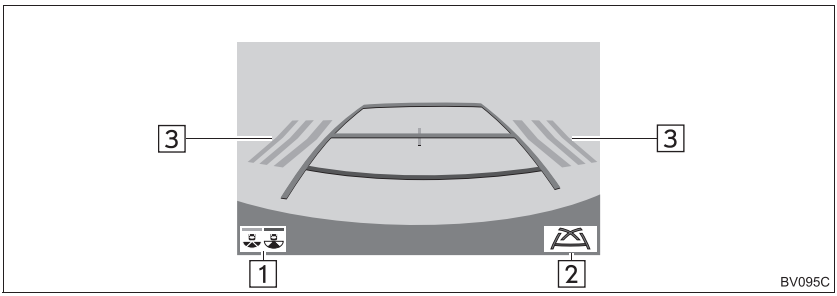
SCREEN DISPLAY

The parking assist monitor screen will be displayed if the shift lever is shifted to the “R” position while the engine <power> switch is in IGNITION ON <ON> mode.

Each time the display mode switching button is selected, the mode will change as follows:

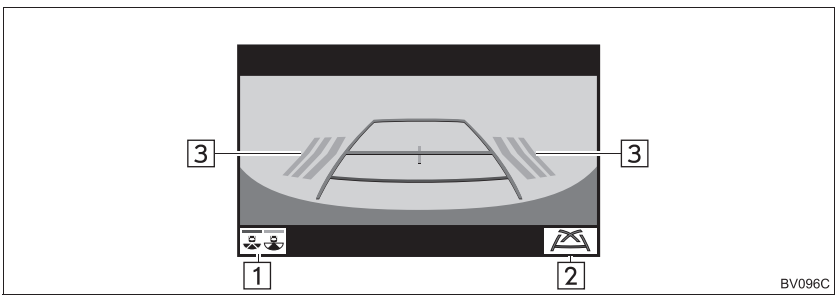
▶ Rear view

Displays the rear view of the vehicle.



▶ Wide rear view

Displays a near 180° image from the rear view camera.



No.	Display	Function
1	Display mode switching button	Each time the display mode switching button is selected, the mode will change as follows: • From the rear view mode to the wide rear view mode • From the wide rear view mode to the rear view mode
2	Guide line switching button	Select to switch the guide line mode. (→P.147)
3	Rear Cross Traffic Alert	When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

INFORMATION

- For details about the Rear Cross Traffic Alert function, refer to the “OWNER’S MANUAL”.

WARNING

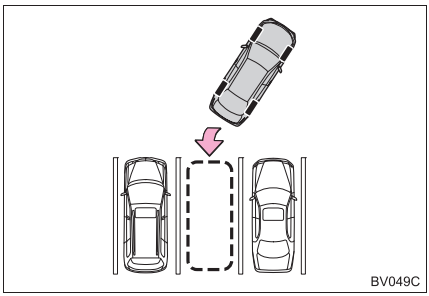
- As the Rear Cross Traffic Alert display is displayed over the camera view, it may be difficult to see the Rear Cross Traffic Alert display depending on the color and brightness of the surrounding area.

CANCELING TOYOTA PARKING ASSIST MONITOR

The parking assist monitor is canceled when the shift lever is shifted into any position other than the “R” position.

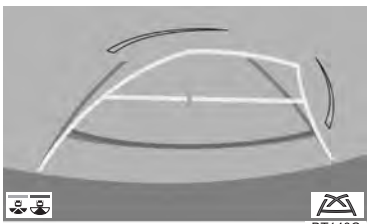
USING THE SYSTEM

Use any of the following modes.


BV049C

▶Estimated course line display mode (→P.148)

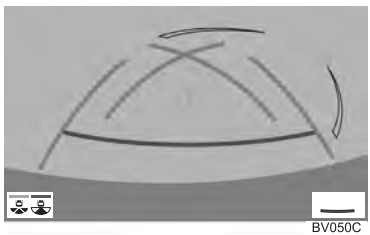
Estimated course lines are displayed which move in accordance with the operation of the steering wheel.


BT140C

▶Parking assist guide line display mode (→P.150)

The steering wheel return points (parking assist guide lines) are displayed.

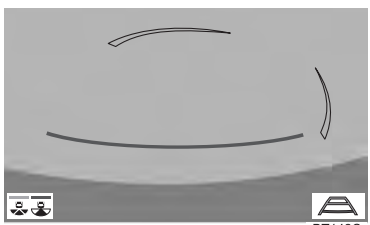
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.


BV050C

▶Distance guide line display mode (→P.151)

Distance guide lines only are displayed.

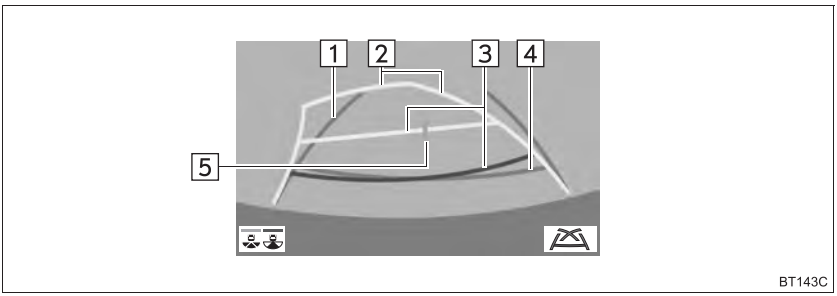
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.


BT142C

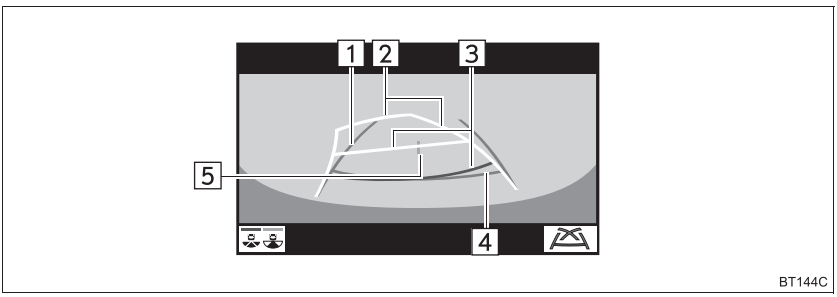
2. ESTIMATED COURSE LINE DISPLAY MODE

SCREEN DESCRIPTION

▶Rear view



▶Wide rear view



No.	Display	Function
1	Vehicle width guide line	Displays a guide path when the vehicle is being backed straight up.
2	Estimated course lines	Show an estimated course when the steering wheel is turned.
3	Distance guide lines	Show distance behind the vehicle when the steering wheel is turned. • The guide lines move in conjunction with the estimated course lines. • The guide lines display points approximately 1.5 ft. (0.5m) (red) and approximately 3ft. (1m) (yellow) from the center of the edge of the bumper.
4	Distance guide line	Shows distance behind the vehicle. • Displays a point approximately 1.5 ft. (0.5m) (blue) from the edge of the bumper.
5	Vehicle center guide line	The line indicates the estimated vehicle center on the ground.

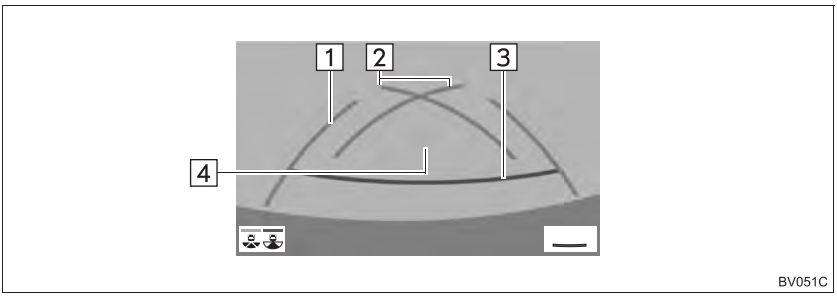
WARNING

- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Toyota dealer.

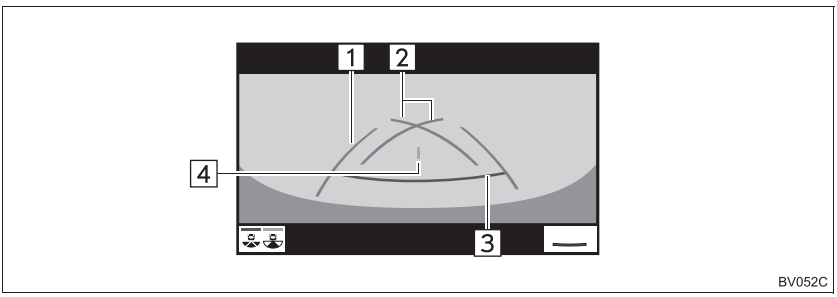
3. PARKING ASSIST GUIDE LINE DISPLAY MODE

SCREEN DESCRIPTION

▶Rear view



▶Wide rear view

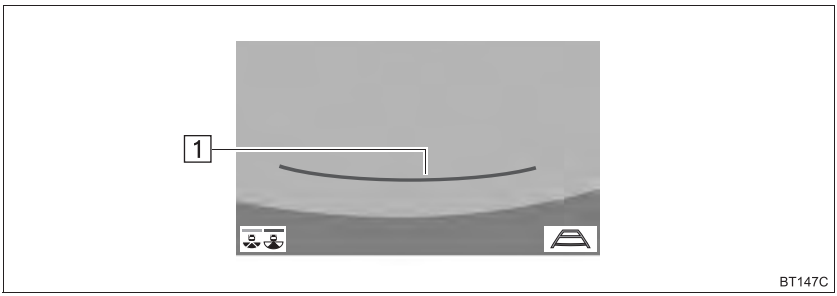


No.	Display	Function
1	Vehicle width guide line	Displays a guide path when the vehicle is being backed straight up. • The displayed width is wider than the actual vehicle width.
2	Parking assist guide lines	Show the path of the smallest turn possible behind the vehicle.
3	Distance guide lines	Show distance behind the vehicle. • Display points approximately 1.5 ft. (0.5m) (red) from the edge of the bumper.
4	Vehicle center guide line	The line indicates the estimated vehicle center on the ground.

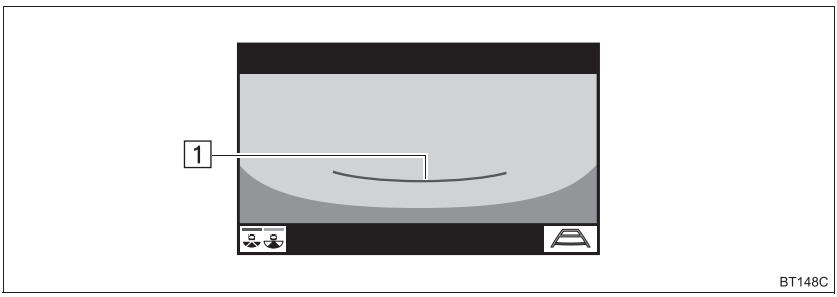
4. DISTANCE GUIDE LINE DISPLAY MODE

SCREEN DESCRIPTION

▶Rear view



▶Wide rear view



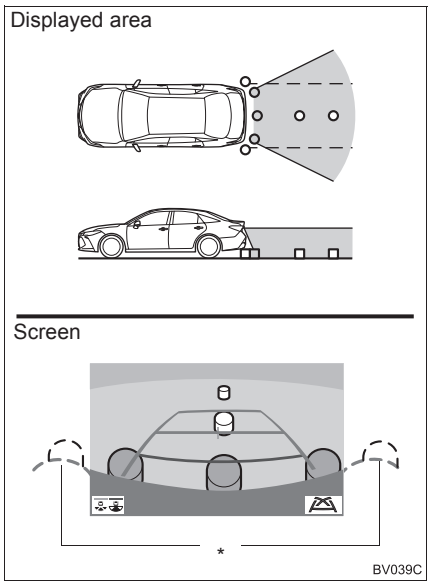
No.	Display	Function
1	Distance guide lines	Show distance behind the vehicle. • Display points approximately 1.5 ft. (0.5m) (red) from the edge of the bumper.

5. TOYOTA PARKING ASSIST MONITOR PRECAUTIONS

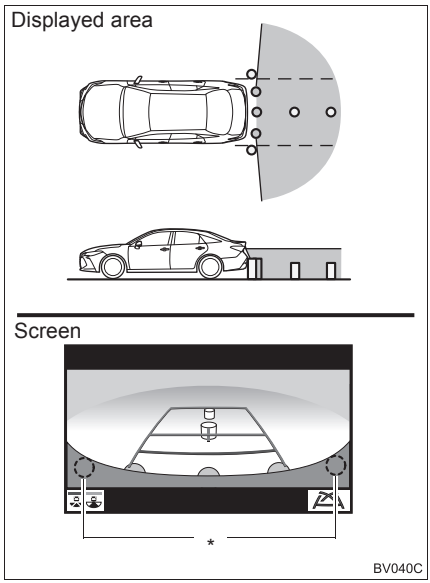
AREA DISPLAYED ON SCREEN

The parking assist monitor displays an image of the view from the bumper of the rear area of the vehicle.

▶Rear view



▶Wide rear view



*: The area around both corners of the bumper will not be displayed.

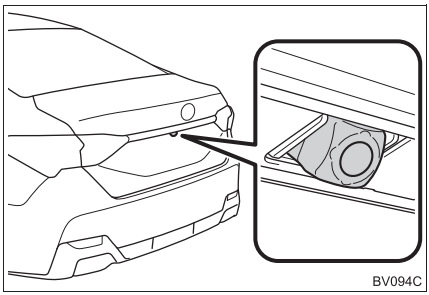
- The image adjustment procedure for the parking assist monitor screen is the same as the procedure for adjusting the screen. (→P.40)

INFORMATION

- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

THE CAMERA

The camera for the parking assist monitor is located as shown in the illustration.



USING THE CAMERA

If dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

NOTICE

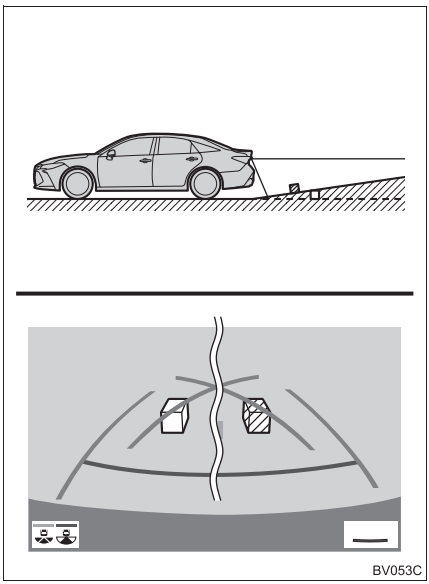
- The parking assist monitor may not operate properly in the following cases.
  - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

DIFFERENCES BETWEEN THE SCREEN AND THE ACTUAL ROAD

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.
- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance /course on the road.

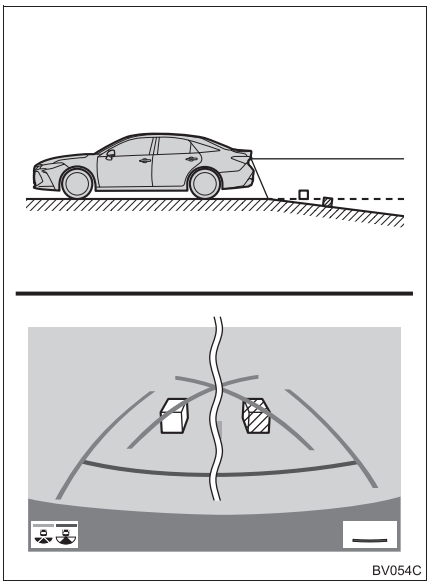
WHEN THE GROUND BEHIND THE VEHICLE SLOPES UP SHARPLY

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/ course on the road.



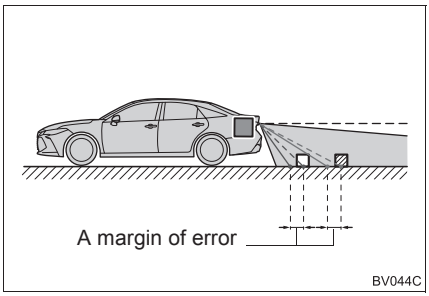
WHEN THE GROUND BEHIND THE VEHICLE SLOPES DOWN SHARPLY

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



WHEN ANY PART OF THE VEHICLE SAGS

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

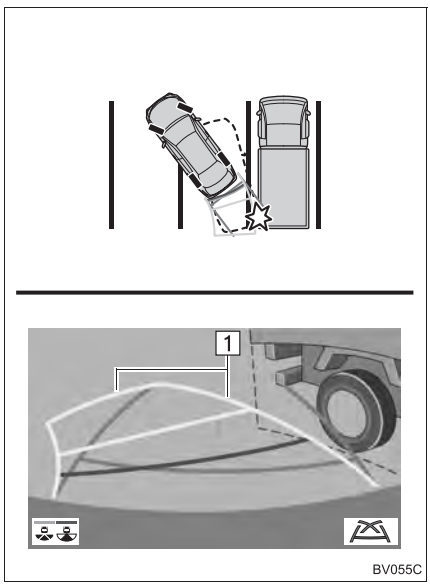


WHEN APPROACHING THREE-DIMENSIONAL OBJECTS

The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

ESTIMATED COURSE LINES

Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.

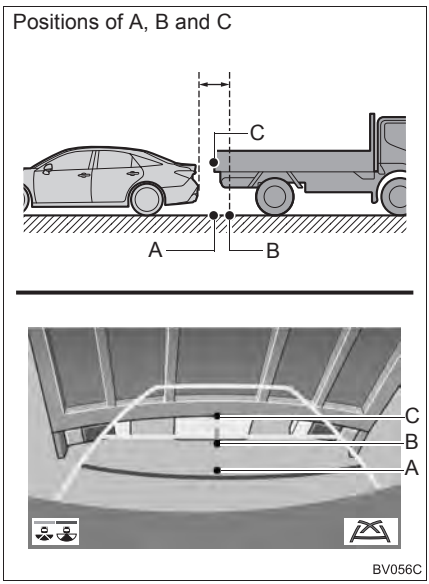


▶ 1 Estimated course lines

DISTANCE GUIDE LINES

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point B. However, in reality if you back up to point A, you will hit the truck. On the screen, it appears that A is closest and C is farthest away. However, in reality, the distance to A and C is the same, and B is farther than A and C.

Positions of A, B and C



6. THINGS YOU SHOULD KNOW

IF YOU NOTICE ANY SYMPTOMS

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see	• The vehicle is in a dark area • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud etc.) is adhering to the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights etc.	Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The procedure for adjusting the picture quality of the parking assist monitor is the same as the procedure for adjusting the screen. (→P.40)
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Toyota dealer.
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Toyota dealer.
	• The vehicle is tilted. (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) • The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Toyota dealer.
Guide lines are not displayed	The trunk is open.	Close the trunk. If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
is displayed	• 12-volt battery has been reinstalled. • The steering wheel has been moved while the 12-volt battery was being reinstalled. • 12-volt battery power is low. • The steering sensor has been reinstalled. • There is a malfunction in the signals being output by the steering sensor.	Stop the vehicle, and turn the steering wheel as far as it will go to the left and right. If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.

1. PANORAMIC VIEW MONITOR*

Panoramic view monitor assists the driver in viewing the surroundings, when operating at low speeds, by combining the front, side and rear cameras and displaying a complete vehicle overhead image on the screen.

When you press the camera switch or shift the shift lever to the “R” position while the engine <power> switch is in IGNITION ON <ON> mode, the panoramic view monitor operates.

The monitor displays various views of the position and surroundings of the vehicle.

INFORMATION

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

DRIVING PRECAUTIONS

The panoramic view monitor is a supplemental device intended to assist the driver when checking around the vehicle. When using, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle or possibly cause an accident.

Pay attention to the following precautions when using the panoramic view monitor.

WARNING

- Never depend on the panoramic view monitor entirely. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution just as you would when driving any other vehicle.
- Always make sure to check all around the vehicle with your own eyes when driving.
- Never drive while looking only at the screen as the image on the screen is different from actual conditions. If you are driving while looking only at the screen, you may hit a person or an object, resulting in an accident. When driving, be sure to check the vehicle’s surroundings with your own eyes and the vehicle’s mirrors.

*: If equipped

WARNING

- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- Do not use the panoramic view monitor system in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tire chains or emergency tires
  - When the trunk is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
  - If the suspension has been modified or tires of a size other than specified are installed
- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.184)

NOTICE

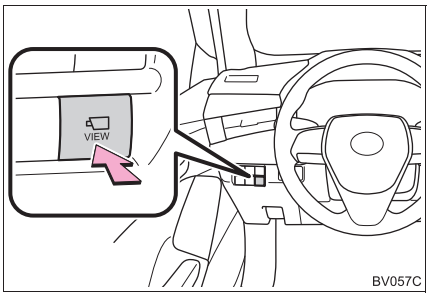
- In panoramic view/moving view/see-through view, the system combines images taken from the front, back, left and right side cameras into a single image. There are limits to the range and content that can be displayed. Familiarize yourself with the characteristics of the panoramic view monitor system before using it.
- Image clarity may decline at the four corners of the panoramic view/moving view/see-through view. However, this is not a malfunction, as these are the regions along the border of each camera image where the images are combined.
- Depending on lighting conditions near each of the cameras, bright and dark patches may appear on the panoramic view/moving view/see-through view.
- The panoramic view/moving view/see-through view display does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle. Accordingly, there are regions not displayed in panoramic view/moving view/see-through view.
- Three-dimensional objects displayed in wide front view or rear view may not be displayed in panoramic view/moving view/see-through view.
- People and other three-dimensional obstacles may appear differently when displayed on the panoramic view monitor. (These differences include, among others, cases in which displayed objects appear to have fallen over, disappear near image processing areas, appear from image processing areas, or when the actual distance to an object differs from the displayed position.)

NOTICE

- When the trunk, which is equipped with the back camera, or front doors, which are equipped with door mirrors that have built-in side cameras, are open, images will not be displayed properly on the panoramic view monitor.
- The vehicle icon displayed in panoramic view/moving view/see-through view is a computer generated image. Accordingly, properties such as the color, shape and size will differ from the actual vehicle. For this reason, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.

CAMERA SWITCH

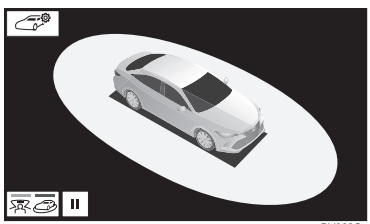
The camera switch is located as shown in the illustration.



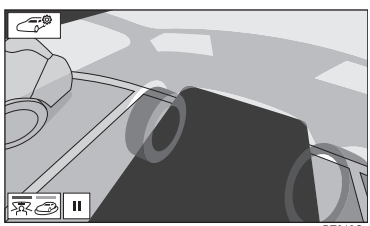
DISPLAY

CHECKING AROUND THE VEHICLE

▶Moving view

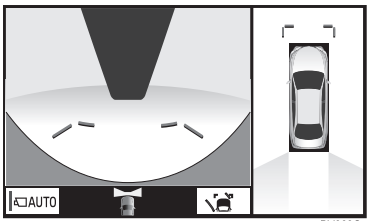


▶See-through view



CHECKING THE FRONT AND AROUND THE VEHICLE

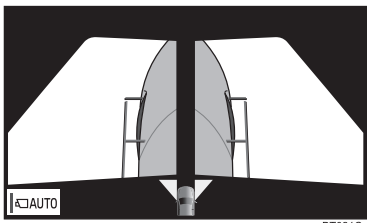
▶Wide front view & panoramic view



BV063C

CHECKING THE SIDES OF THE VEHICLE

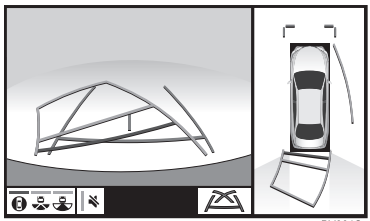
▶Side views



BT021C

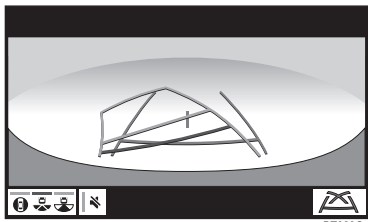
CHECKING THE REAR AND AROUND THE VEHICLE

▶Rear view & panoramic view



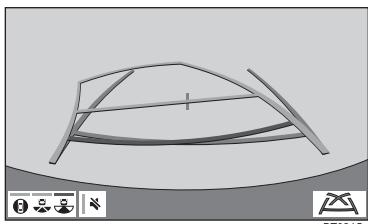
BV064C

▶Wide rear view



BT023C

▶Rear view

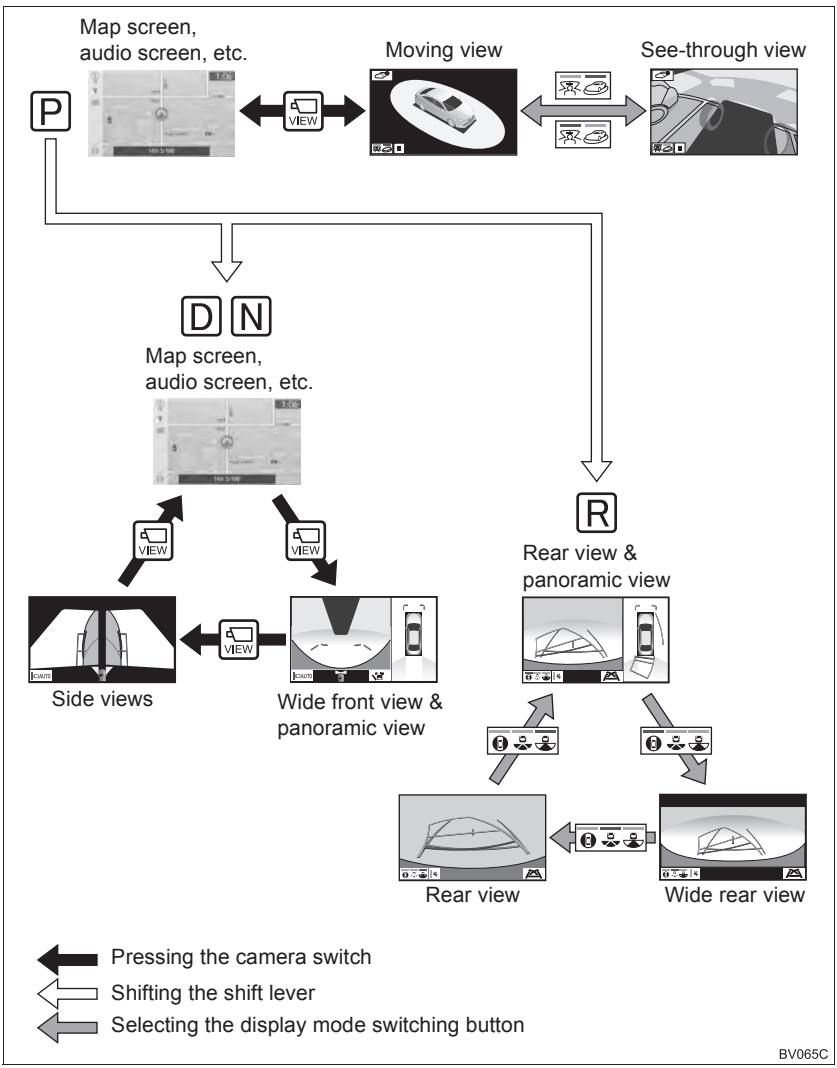


BT024C

HOW TO SWITCH THE DISPLAY

When you press the camera switch or shift the shift lever to the “R” position while the engine <power> switch is in IGNITION ON <ON> mode, the panoramic view monitor operates.

The monitor displays various views of the position of the vehicle. (The following is an example)



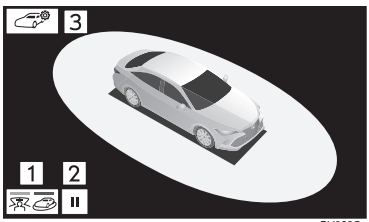
2. CHECKING AROUND THE VEHICLE

The moving view screen and the see-through view screen provide support when checking the areas of around the vehicle while parking. These screens display an image of the vicinity of the vehicle combined from the 4 cameras. The screen will display a 360° view around the vehicle from either inside the vehicle or from a birds-eye view at an angle.

To display the moving view/see-through view screen, press the camera switch when the shift lever is in the “P” position and the intuitive parking assist is enabled.

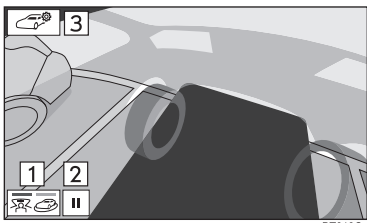
SCREEN DISPLAY

▶Moving view



BV062C

▶See-through view



BT019C

No.	Display	Function
1	Display mode switching button	Select to change the display mode between the moving view and the see-through view.
2	Rotation pause switch	Select to pause the rotation of the screen. To resume rotation, select .
3	Body color setting switch	Select to display the body color setting screen and change the color of the vehicle displayed on the panoramic view monitor. (→P.179)

INFORMATION

- Pressing the camera switch again changes the screen back to the previously displayed screen, such as the navigation screen.
- Selecting the moving view screen/see-through view screen will pause/resume the rotation of the screen.

3. CHECKING THE FRONT AND AROUND THE VEHICLE

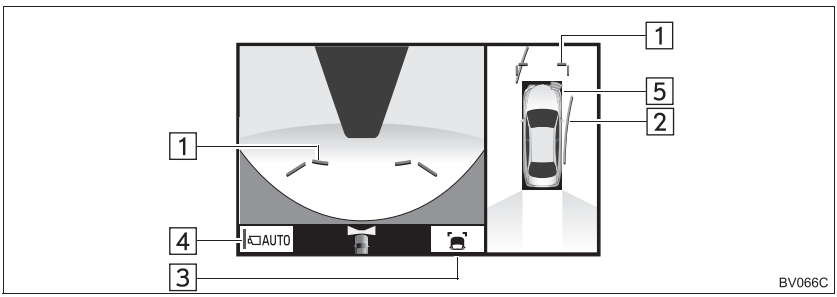
The wide front view & panoramic view screen provides support when checking the areas in front of the vehicle and around the vehicle when taking-off at T-intersections or other intersections during poor visibility.

To display the screen, press the camera switch when the shift lever is in the “N” or “D” position with the vehicle moving approximately 7 mph (12 km/h) or less.

This screen will be displayed if the intuitive parking assist detects an object in front of your vehicle when the vehicle is moving at approximately 6 mph (10 km/h) or less (intuitive parking assist linked display).

SCREEN DISPLAY

▶Wide front view & panoramic view



No.	Display	Function
1	Distance guide lines	Shows distance in front of the vehicle. • Display points approximately 3 ft. (1 m) from the edge of the bumper.
2	Estimated course lines	Shows an estimated course when the steering wheel is turned. • This line will be displayed when the steering wheel is turned more than 90° from the center.
3	Guide line switching button	Select to change the guide line mode between the distance guide line mode and the estimated course line mode. (→P.167)
4	Automatic display button	Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.167)
5	Intuitive parking assist	When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

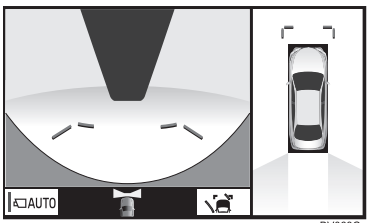
INFORMATION

- Pressing the camera switch changes the screen to the side views screen or previously displayed screen, such as the navigation screen.
- The intuitive parking assist linked display will disappear when the vehicle is stopped or if the intuitive parking assist no longer detects the object.

SWITCHING THE GUIDE LINE MODE

Each time the guide line switching button is selected, the mode will change as follows:

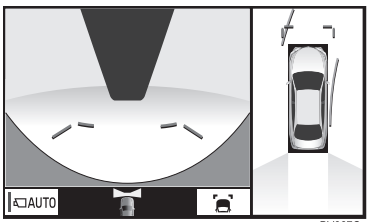
▶Distance guide line



BV063C

- Only the distance guide lines are displayed.

▶Estimated course line



BV067C

- Estimated course lines will be added to the distance guide lines.

AUTOMATIC DISPLAY MODE

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 6 mph (10 km/h) or less.

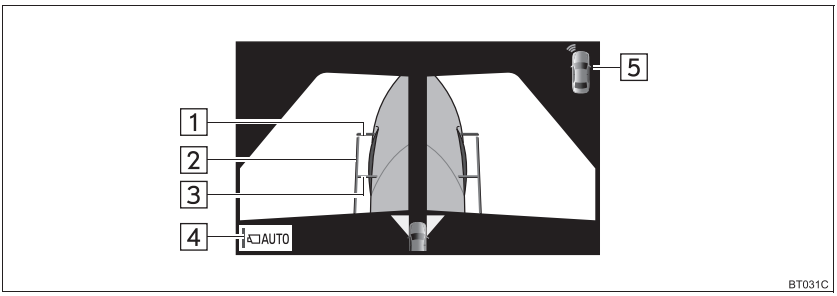
4. CHECKING THE SIDES OF THE VEHICLE

The side view screen displays images from the cameras installed on each outside rear view mirror. This screen is designed to support the driver in safe driving in situations such as when driving on a narrow road, by allowing them to check the areas around the sides of the vehicle.

To display the screen, press the camera switch when the shift lever is in the “N” or “D” position with the vehicle moving approximately 7 mph (12 km/h) or less.

SCREEN DISPLAY

▶Side views



No.	Display	Function
1	Distance guide lines	Show distance in front of the vehicle. • Display points approximately 1.5 ft. (0.5 m) from the edge of the bumper.
2	Vehicle width guide lines	Shows guide lines of the vehicle’s width including the outside rear view mirrors.
3	Front tire guide lines	Shows guide lines of where the front tire touches the ground.
4	Automatic display button	Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.169)
5	Intuitive parking assist	When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

INFORMATION

- Pressing the camera switch changes the screen to the wide front view & panoramic view screen or previously displayed screen, such as the navigation screen.

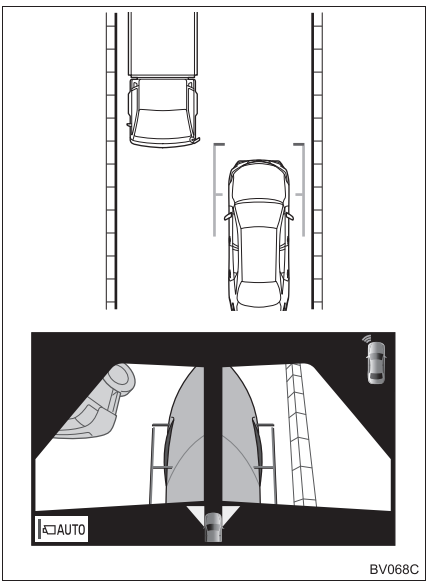
AUTOMATIC DISPLAY MODE

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

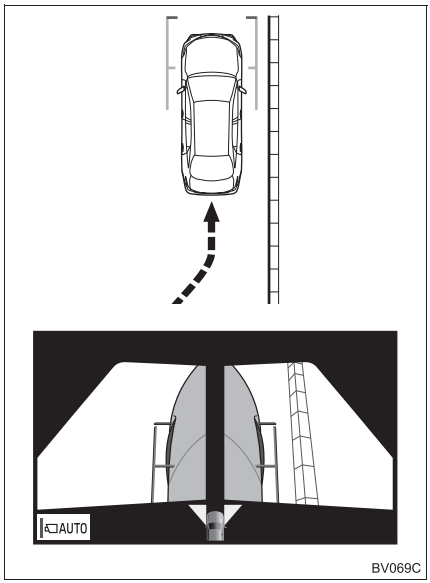
In automatic mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 6 mph (10 km/h) or less.

USING THE VEHICLE WIDTH GUIDE LINE



- Check the positions and distance between the vehicle width guide line and a target object such as the obstacle or curb of the road.



- Pull over to the curb as shown in the illustration above, taking care not to let the vehicle width guide line overlap the target object.
- Ensure that the vehicle width line is parallel to the target object enables parking alongside the target object.

5. CHECKING THE REAR AND AROUND THE VEHICLE

The rear view & panoramic view screen, the wide rear view screen and the rear view screen provide support when checking the areas of behind the vehicle and around the vehicle while backing up, for example while parking.

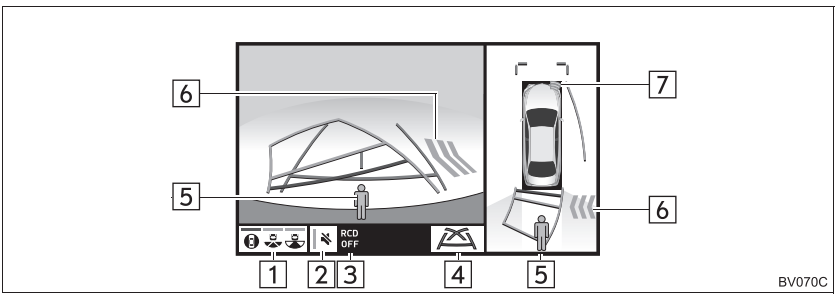
The screens will be displayed when the shift lever is in the “R” position.

SCREEN DISPLAY

Each time the display mode switching button is selected, the mode will change as follows:

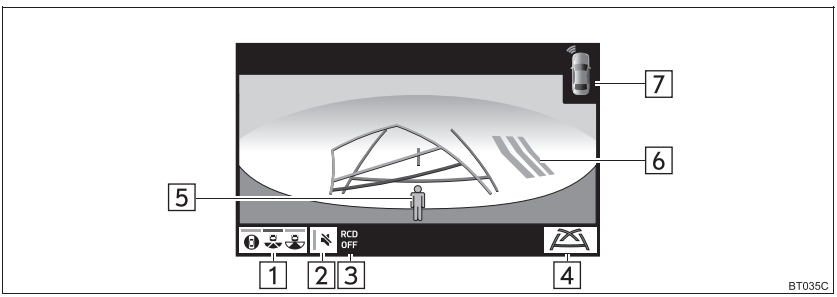
▶ Rear view & panoramic view

Displays the rear view and overhead view of the vehicle at same time.



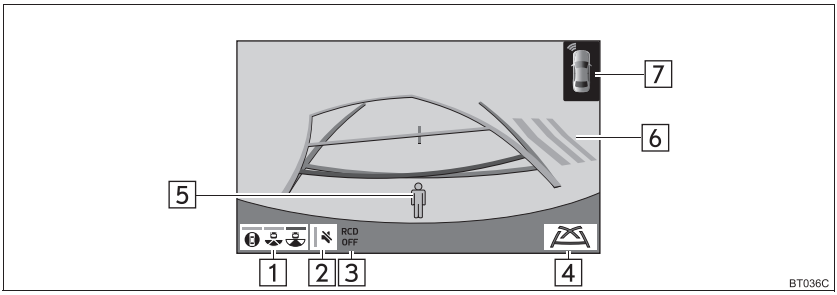
▶ Wide rear view

Displays a near 180° image from the rear view camera.



▶ Rear view

Displays the rear view of the vehicle.



No.	Display	Function
1	Display mode switching button	Each time the display mode switching button is selected, the mode will change as follows: • From the rear view & panoramic view mode to the wide rear view mode • From the wide rear view mode to the rear view mode • From the rear view mode to the rear view & panoramic view mode
2	Rear camera detection buzzer mute switch	Select to mute the rear camera detection buzzer. The buzzer will be re-enabled when the shift lever is shifted to a position other than R.
3	Rear camera detection function off indicator	Displayed or flashes when the rear camera detection function is disabled, such as when it is malfunctioning.
4	Guide line switching button	Select to switch the guide line mode. (→P.173)
5	Rear Camera Detection	Displayed automatically when a pedestrian is detected.
6	Rear Cross Traffic Alert	When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.
7	Intuitive parking assist	When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

INFORMATION

- The monitor is cancelled when the shift lever is shifted into any position other than the “R” position.
- For details about the Rear Cross Traffic Alert function, rear camera detection function and intuitive parking assist, refer to the “OWNER’S MANUAL”.

WARNING

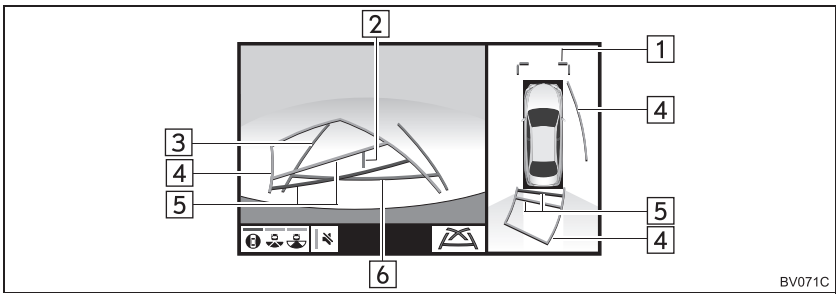
- As the Rear Cross Traffic Alert display is displayed over the camera view, it may be difficult to see the Rear Cross Traffic Alert display depending on the color and brightness of the surrounding area.

GUIDE LINES DISPLAYED ON THE SCREEN

Each time the guide line switching button is selected, the mode will change as follows:

▶ Estimated course line

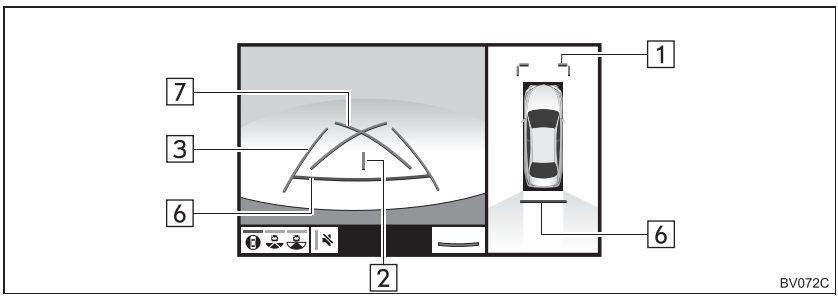
Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



▶ Parking assist guide line

The steering wheel return points (parking assist guide lines) are displayed.

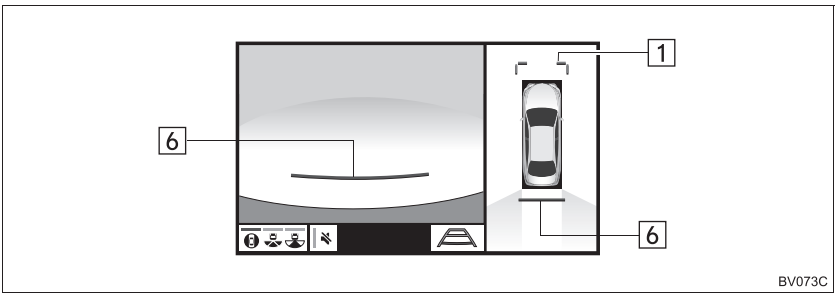
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.



▶ Distance guide line

Only distance guide line is displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.



No.	Display	Function
1	Distance guide lines	Shows distance in front of the vehicle. • Display points approximately 3 ft. (1 m) from the edge of the bumper.
2	Vehicle center guide line	The line indicates the estimated vehicle center on the ground.
3	Vehicle width guide lines	Displays a guide path when the vehicle is being backed straight up.
4	Estimated course lines	Shows an estimated course when the steering wheel is turned.
5	Distance guide lines	Shows the distance behind the vehicle when the steering wheel is turned. • The guide lines move in conjunction with the estimated course lines. • The guide lines display points approximately 1.5 ft. (0.5 m) (red) and approximately 3 ft. (1 m) (yellow) from the center of the edge of the bumper.
6	Distance guide line	Shows the distance behind the vehicle. • Displays a point approximately 1.5 ft. (0.5 m) (red*) from the edge of the bumper. *: In estimated course line mode, the line will turn blue.
7	Parking assist guide lines	Shows the path of the smallest turn possible behind the vehicle.

WARNING

- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Toyota dealer.
- Do not use the system if the display is incorrect due to an uneven (hilly) road or a non-straight (curvy) road.

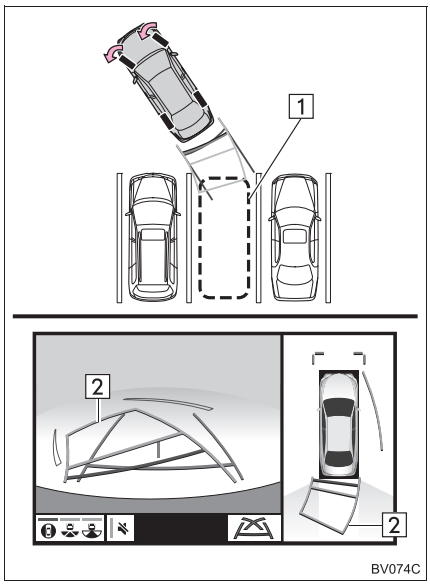
PARKING

USING THE ESTIMATED COURSE LINE

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

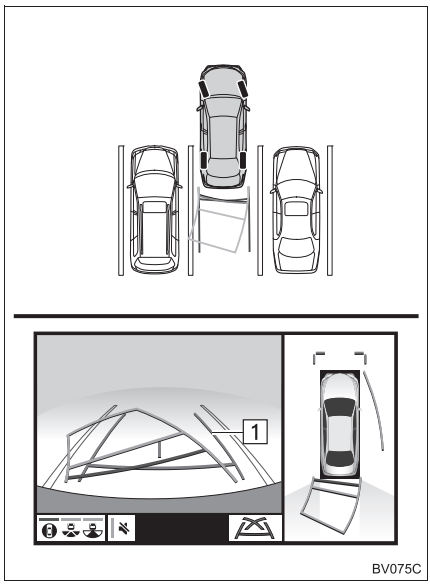
1 Shift the shift lever to the “R” position.

2 Turn the steering wheel so that the estimated course lines are within the parking space, and back up slowly.



1 Parking space
2 Estimated course lines

3 When the rear position of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are within the left and right dividing lines of the parking space.



1 Vehicle width guide line

4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.

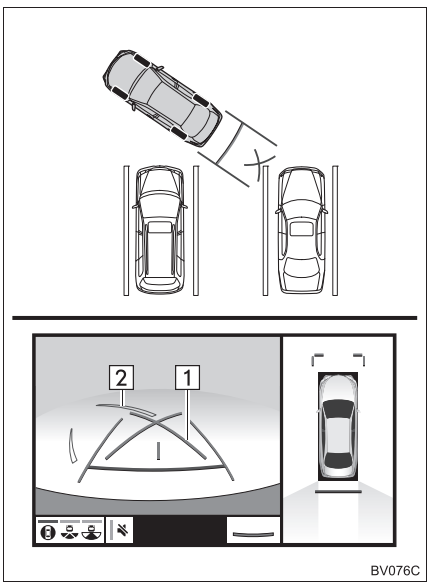
5 Stop the vehicle in an appropriate place, and finish parking.

USING PARKING ASSIST GUIDE LINE

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

1 Shift the shift lever to the “R” position.

2 Back up until the parking assist guide line meets the edge of the left-hand dividing line of the parking space.



1 Parking assist guide line
2 Parking space dividing line

3 Turn the steering wheel all the way to the right, and back up slowly.

4 Once the vehicle is parallel with the parking space, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.

5 Stop the vehicle in an appropriate place, and finish parking.

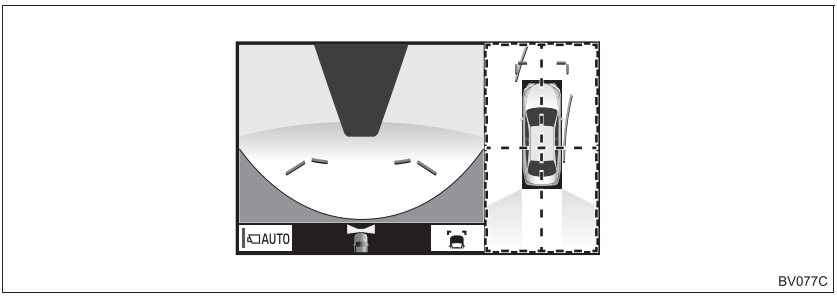
6. MAGNIFYING FUNCTION

If displayed objects are too small to see clearly when the wide front view & panoramic view or the rear view & panoramic view is displayed, the area around any of the 4 corners of the vehicle can be magnified.

MAGNIFYING THE DISPLAY

1 Turn the intuitive parking assist on.

2 Touch the area on the panoramic view display you wish to magnify.



- Touching one of the 4 areas within the dotted lines will magnify that area. (Dotted lines are not displayed on the actual display.)
- To return to the normal view, touch the panoramic view display again.

INFORMATION

- The magnifying function is enabled when all of the following conditions are met:
  - The wide front view & panoramic view or the rear view & panoramic view is displayed.
  - The vehicle speed is below approximately 7 mph (12 km/h).
  - The intuitive parking assist is on.
- In the following situations, the magnified display will be canceled automatically:
  - The vehicle speed is approximately 7 mph (12 km/h) or higher.
  - The intuitive parking assist is turned off.
- When the display is magnified, the guide lines will not be displayed.

7. CUSTOMIZING THE PANORAMIC VIEW MONITOR

The color of the vehicle displayed on the panoramic view monitor can be changed.

CHANGING THE BODY COLOR DISPLAYED IN THE PANORAMIC VIEW MONITOR

1 Display the moving view/see-through view screen. (→P.164)

2 Select .

3 Select the desired color.

BV078C

8. PANORAMIC VIEW MONITOR PRECAUTIONS

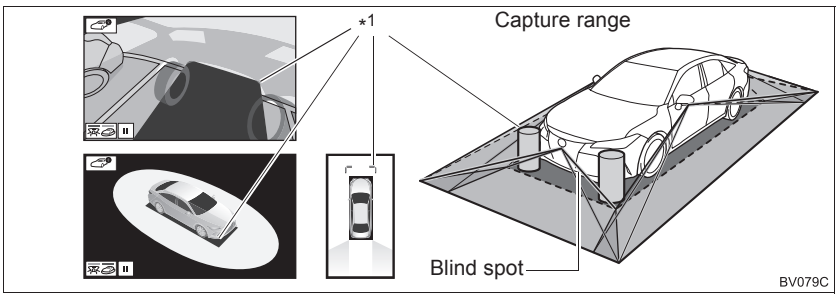
AREA DISPLAYED ON SCREEN

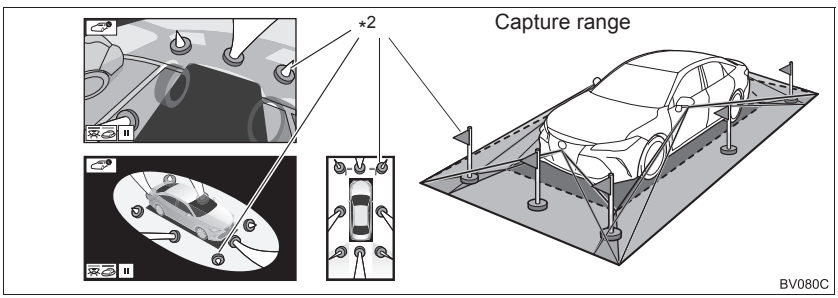
AREA OF IMAGE OF PANORAMIC VIEW

The panoramic view monitor displays an image of the surrounding view of the vehicle.

Since the panoramic view processes and displays images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if there is room between the bumpers of the vehicles and it seems not likely to collide in the image, in reality, the both vehicles are on a collision course.

Check the safety of the surroundings directly.

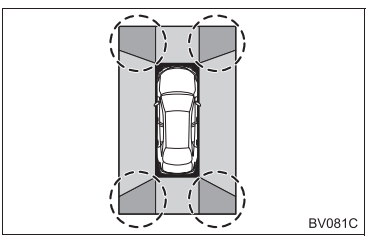




*1: Objects located in the shaded areas will not be displayed on the screen.
*2: Parts of objects which extend above a certain height cannot be displayed on the screen.

INFORMATION

- As the images obtained from four cameras are processed and displayed on the standard of a flat road surface; the panoramic view/moving view/see-through view may be displayed as follows.
  - Objects may look collapsed; thinner or bigger than usual.
  - An object with a higher position than the road surface may look farther away than it actually is or may not appear at all.
  - Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera.
- The displayed image may be shifted by inclination of the vehicle body, change in vehicle height, etc., depending on the number of passengers, amount of luggage, fuel quantity, etc.
- If the front doors or trunk are not completely closed; neither the image nor the guide lines are displayed.
- The position relations of the vehicle icon and the road surface or obstacle may differ from the actual positions.
- The black areas of the vicinity of the vehicle icon are areas that are not captured by the camera.
- Images like the following are combined, thus some areas may be difficult to view.

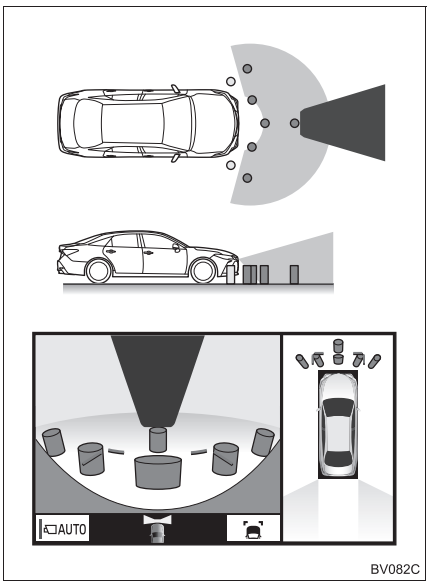


WARNING

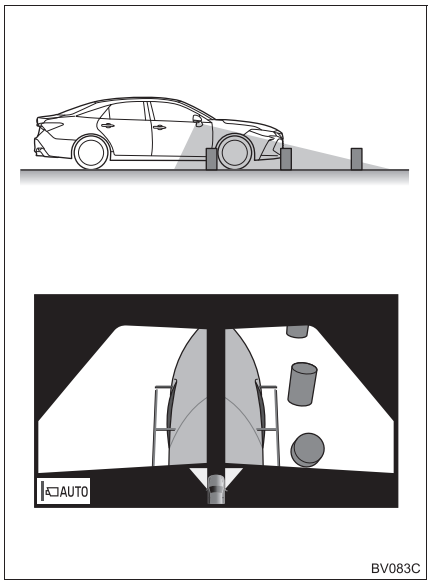
- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

AREA OF THE IMAGE CAPTURED BY THE CAMERA

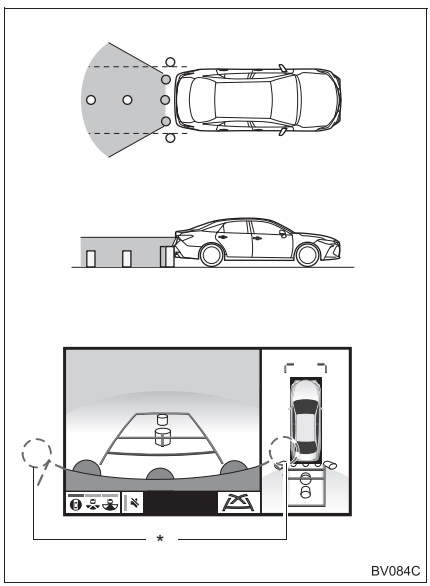
▶Wide front view



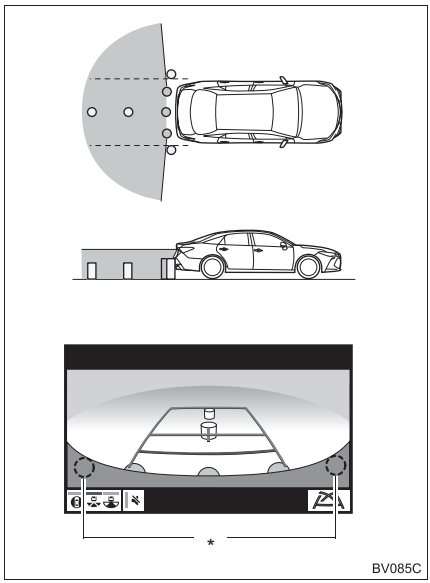
▶Side views



▶Rear view



▶Wide rear view



*: The area around both corners of the bumper will not be displayed.

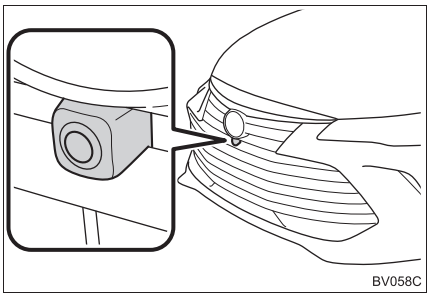
INFORMATION

- Black masking is done for distance detection differences to the front of the vehicle.
- The area covered by the camera is limited. Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.
- The area displayed on the screen may vary depending on vehicle orientation or road conditions.
- The camera uses a special lens. The distance in the image displayed on the screen will differ from the actual distance.

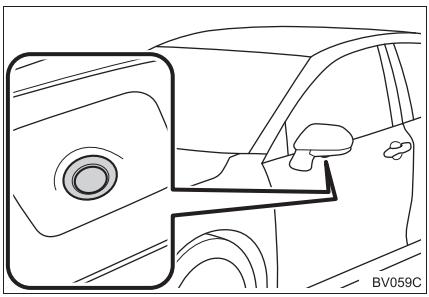
THE CAMERA

The cameras for the panoramic view monitor are located as shown in the illustration.

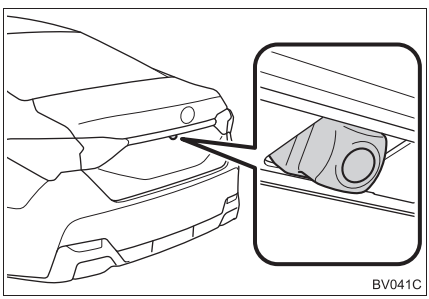
▶Front camera



▶Side cameras



▶Rear camera



USING THE CAMERA

If dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

NOTICE

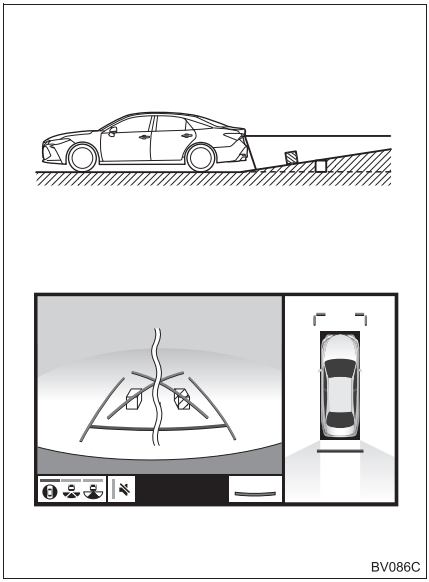
- The panoramic view monitor may not operate properly in the following cases.
  - If the camera is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow an organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impacts as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

DIFFERENCES BETWEEN THE SCREEN AND THE ACTUAL ROAD

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.
- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

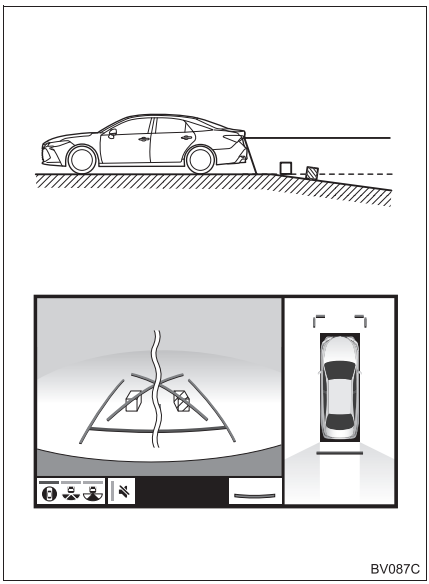
WHEN THE GROUND BEHIND THE VEHICLE SLOPES UP SHARPLY

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



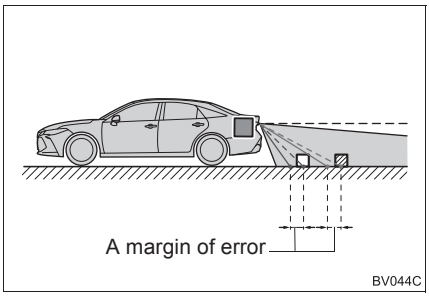
WHEN THE GROUND BEHIND THE VEHICLE SLOPES DOWN SHARPLY

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



WHEN ANY PART OF THE VEHICLE SAGS

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

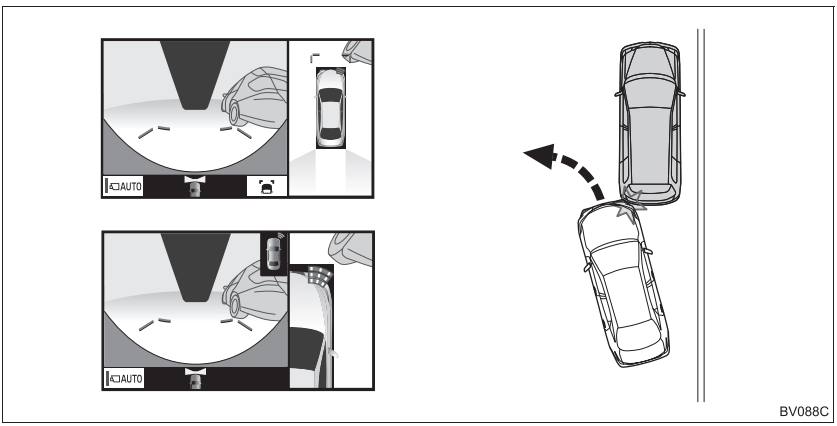


DISTORTION OF THREE-DIMENSIONAL OBJECTS ON THE SCREEN

When there are three-dimensional objects (such as vehicle bumpers, etc.) nearby in positions higher than the surface of the road, take extra care when using the following.

PANORAMIC VIEW DISPLAY (INCLUDING MAGNIFIED DISPLAY)

Since the panoramic view processes and displays images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. For example, even though it appears that there is space between the bumpers of the two vehicles in the illustration below and they are not likely to collide, in reality, a collision is about to occur.



WARNING

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

WHEN APPROACHING THREE-DIMENSIONAL OBJECTS

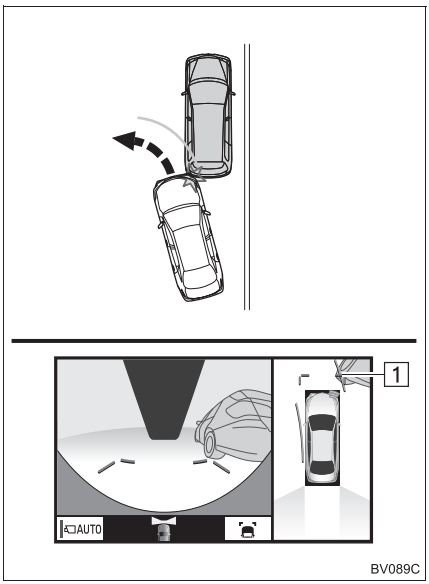
The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

WARNING

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

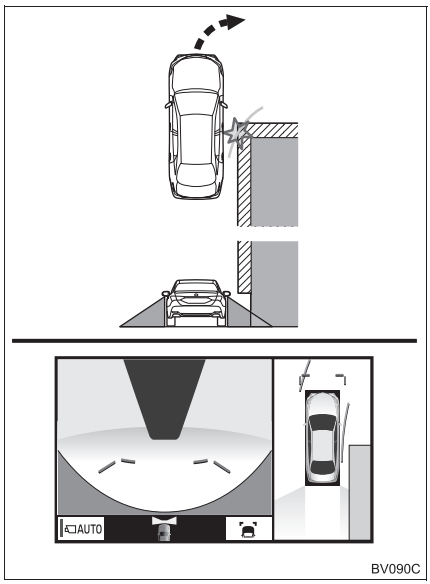
ESTIMATED COURSE LINES

Since the estimated course line is displayed for a flat road surface, it can not depict the position of three-dimensional objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if the bumpers of the vehicle is on the outside of the estimated course line in the image, in reality, the vehicles are on a collision course.

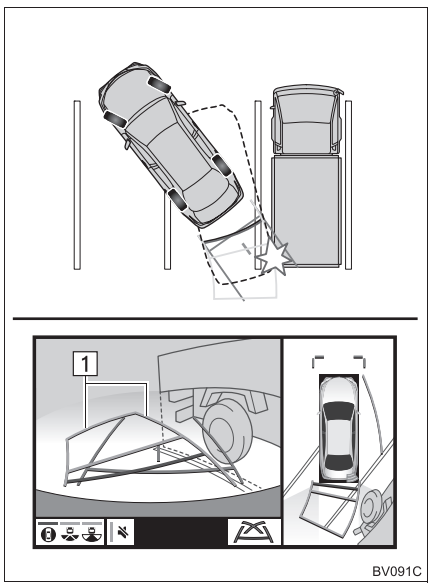


1 Estimated course line

Three-dimensional objects (such as the overhang of a wall or loading platform of a truck) in high positions may not be projected on the screen. Check the safety of the surroundings directly.



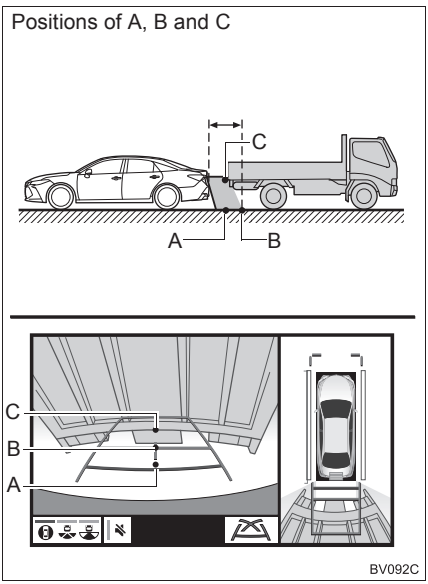
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.



1 Estimated course lines

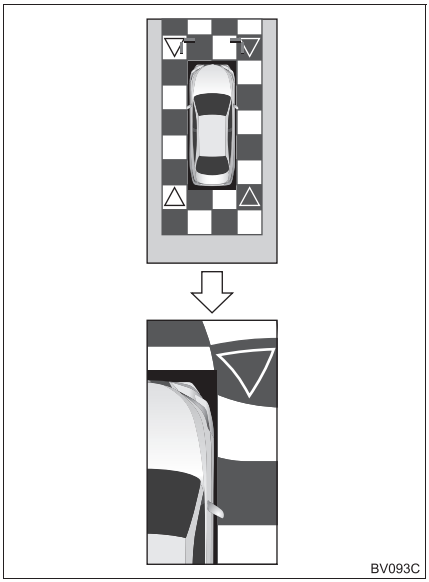
DISTANCE GUIDE LINES

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point B. However, in reality if you back up to point A, you will hit the truck. On the screen, it appears that A is closest and C is farthest away. However, in reality, the distance to A and C is the same, and B is farther than A and C.



MAGNIFYING FUNCTION

When the panoramic view is magnified, walls and lines on the road on the magnified panoramic view display may look more distorted than those on the normal panoramic view display.



INFORMATION

- When the panoramic view is magnified, guide lines will not be displayed.

9. THINGS YOU SHOULD KNOW

IF YOU NOTICE ANY SYMPTOMS

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see	• The vehicle is in a dark area • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud etc.) is adhering to the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights etc.	Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The procedure for adjusting the picture quality of the panoramic view monitor system is the same as the procedure for adjusting the screen. (→P.40)
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Toyota dealer.
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Toyota dealer.
	• The vehicle is tilted. (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) • The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
Guide lines are not displayed	The trunk is open.	Close the trunk. If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.
is displayed	• 12-volt battery has been reinstalled. • The steering wheel has been moved while the 12-volt battery was being reinstalled. • 12-volt battery power is low. • The steering sensor has been reinstalled. • There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Toyota dealer.
The panoramic view display cannot be magnified	The Intuitive parking assist may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the Intuitive parking assist. (Refer to “OWNER’S MANUAL”)
The See-through view/Moving view cannot be displayed		

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7

PHONE

1 PHONE OPERATION (HANDS-FREE SYSTEM FOR CELLULAR PHONES)

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1. QUICK REFERENCE

The phone top screen can be reached by the following methods:

▶From the **“PHONE”** button

Press the **“PHONE”** button.

▶From the **“MENU”** button

Press the **“MENU”** button, then select **“Phone”**.

Function		Page
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2. SOME BASICS

The hands-free system enables calls to be made and received without having to take your hands off the steering wheel.

This system supports Bluetooth®. Bluetooth® is a wireless data system that enables cellular phones to be used without being connected by a cable or placed in a cradle.

The operating procedure of the phone is explained here.

When an Apple CarPlay connection is established, phone functions will be performed by Apple CarPlay instead of the hands-free system.

WARNING

- While driving, do not operate a cellular phone.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

- Do not leave your cellular phone in the vehicle. The temperature inside may rise to a level that could damage the phone.

INFORMATION

- This system is not guaranteed to operate with all Bluetooth® devices.
- If your cellular phone does not support Bluetooth®, this system cannot function.
- In the following conditions, the system may not function:
  - The cellular phone is turned off.
  - The current position is outside the communication area.
  - The cellular phone is not connected.
  - The cellular phone has a low battery.
- When using the hands-free system or Bluetooth® audio and Wi-Fi® Hotspot functions at the same time, the following problems may occur:
  - The Bluetooth® connection may be cut.
  - Noise may be heard on the Bluetooth® audio playback.
  - A noise may be heard during phone calls.

REGISTERING/CONNECTING A Bluetooth® PHONE

To use the hands-free system for cellular phones, it is necessary to register a cellular phone with the system. (→P.43)

CONNECTING A Bluetooth® DEVICE

▶Registering an additional device

1 Display the phone top screen. (→P.194)

2 Select **"Select Device"**.

3 Select **"Add Device"**.

- When another Bluetooth® device is connected, a confirmation screen will be displayed. To disconnect the Bluetooth® device, select **"Yes"**.

4 Follow the steps in "REGISTERING A Bluetooth® PHONE FOR THE FIRST TIME" from "STEP 5". (→P.43)

▶Selecting a registered device

1 Display the phone top screen. (→P.194)

2 Select **"Select Device"**.

3 Select the desired device to be connected.

4 Check that a confirmation screen is displayed when the connection is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

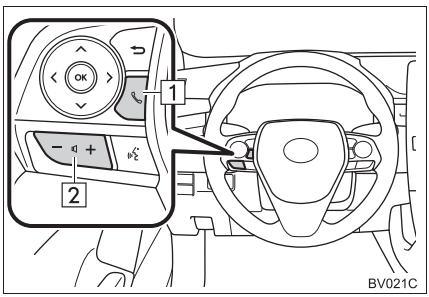
Bluetooth® PHONE CONDITION DISPLAY

The condition of the Bluetooth® phone appears on the upper right side of the screen. (→P.20)

USING THE PHONE SWITCH/ MICROPHONE

STEERING SWITCH

By pressing the phone switch, a call can be received or ended without taking your hands off the steering wheel.



1 Phone switch

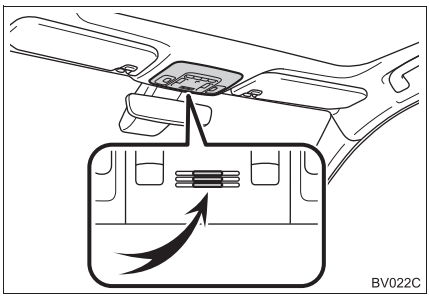
- If the switch is pressed during a call, the call will end.
- If the switch is pressed when an incoming call is received, the call will be answered.
- If the switch is pressed when a call waiting call is received, the waiting call will be answered.
- If the switch is pressed when an Apple CarPlay connection is established, the Apple CarPlay phone application will be displayed on the system screen.

2 Volume control switch

- Press the **"+"** side to increase the volume.
- Press the **"-"** side to decrease the volume.

MICROPHONE

The microphone is used when talking on the phone.

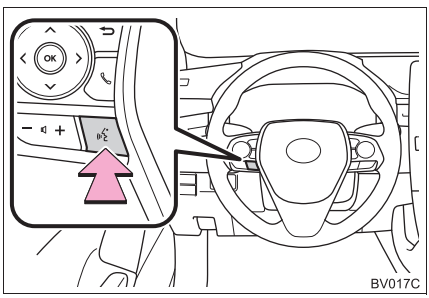


NOTICE

- Do not touch and put a sharp object to the microphone.It may cause failure.

VOICE COMMAND SYSTEM

Press this switch to operate the voice command system.



- The voice command system and its list of commands can be operated. (→P.124)

INFORMATION

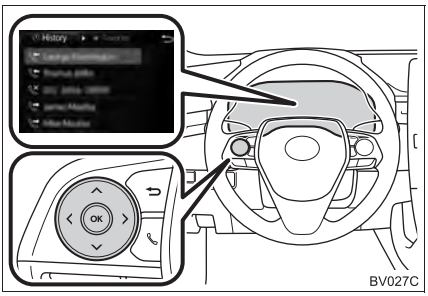
- The other party's voice will be heard from the front speakers. The audio/visual system will be muted during phone calls or when hands-free voice commands are used.
- Talk alternately with the other party on the phone. If both parties speak at the same time, the other party may not hear what has been said. (This is not a malfunction.)
- Keep call volume down. Otherwise, the other party's voice may be audible outside the vehicle and voice echo may increase. When talking on the phone, speak clearly towards the microphone.
- The other party may not hear you clearly when:
  - Driving on an unpaved road. (Making excessive traffic noise.)
  - Driving at high speeds.
  - The roof or windows are open.
  - The air conditioning vents are pointed towards the microphone.
  - The sound of the air conditioning fan is loud.
  - There is a negative effect on sound quality due to the phone and/or network being used.

LINKING MULTI-INFORMATION DISPLAY

The following phone functions are linked with the multi-information display in the instrument cluster:

- Placing a call
- Receiving a call

etc.



- For details about multi-information display control, refer to “OWNER’S MANUAL”.

ABOUT THE CONTACTS IN THE CONTACT LIST

- The following data is stored for every registered phone. When another phone is connected, the following registered data cannot be read:
  - Contact data
  - Call history data
  - Favorites data
  - Image data
  - All phone settings
  - Message settings

INFORMATION

- When a phone’s registration is deleted, the above-mentioned data is also deleted.

WHEN SELLING OR DISPOSING OF THE VEHICLE

A lot of personal data is registered when the hands-free system is used. When selling or disposing of the vehicle, initialize the data. (→P.66)

- The following data in the system can be initialized:
  - Contact data
  - Call history data
  - Favorites data
  - Image data
  - All phone settings
  - Message settings

INFORMATION

- Once initialized, the data and settings will be erased. Pay much attention when initializing the data.

3. PLACING A CALL USING THE Bluetooth® HANDS-FREE SYSTEM

After a Bluetooth® phone has been registered, a call can be made using the hands-free system. There are several methods by which a call can be made, as described below.

How to make a call list	Page
By call history	199
By favorites list	200
By contacts list	200
By keypad*1	202
By home screen	202
By e-mail/SMS/MMS	210
By POI call*2	235
By voice command system	124

*1: The operation cannot be performed while driving.
*2: Entune Premium Audio only

BY CALL HISTORY

Up to 30 of the latest call history items (missed, incoming and outgoing) can be selected.

1 Display the phone top screen. (→P.194)

2 Select **"History"** and select the desired contact.

- When the unknown contact screen is displayed, select the number.
- The icons of call type are displayed.

: Missed call

: Incoming call

: Outgoing call

3 Check that the "Dialing..." screen is displayed.

INFORMATION

- When making a call to the same number continuously, only the most recent call is listed in call history.
- When a phone number registered in the contact list is received, the name is displayed.
- Number-withheld calls are also memorized in the system.
- International phone calls may not be made depending on the type of cellular phone you have.
- The list should group together consecutive entries with the same phone number and same call type. For example, two calls from Kay Rowles's mobile would be displayed as follows: Kay Rowles (2)

BY FAVORITES LIST

Calls can be made using registered contacts which can be selected from a contact list. (→P.219)

1 Display the phone top screen. (→P.194)

2 Select **"Favorites"** and select the desired contact.

3 Select the desired number.

4 Check that the "Dialing..." screen is displayed.

BY CONTACTS LIST

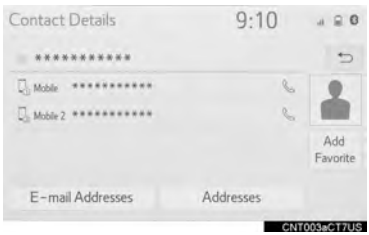
Calls can be made by using contact data which is transferred from a registered cellular phone. (→P.201)

Up to 5000 contacts (maximum of 4 phone numbers, e-mail addresses and addresses per contact) can be registered in the contact list.

1 Display the phone top screen. (→P.194)

2 Select **"Contacts"** and select the desired contact.

3 Select the desired number.



"Add Favorite"/"Remove Favorite": Select to register/remove the contact in the favorites list. (→P.219, 220)

"E-mail Addresses": Select to display all registered e-mail addresses for the contact.

"Addresses": Select to display all registered addresses for the contact.

4 Check that the "Dialing..." screen is displayed.

WHEN THE CONTACT LIST IS EMPTY

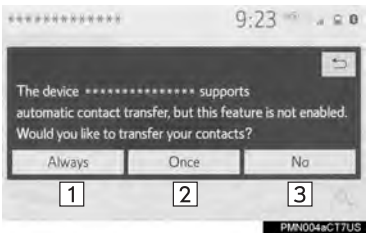
FOR PBAP COMPATIBLE Bluetooth® PHONES

▶When “Automatic Transfer” is set to on (→P.214)

● Contacts are transferred automatically.

▶When “Automatic Transfer” is set to off (→P.214)

1 Select the desired item.

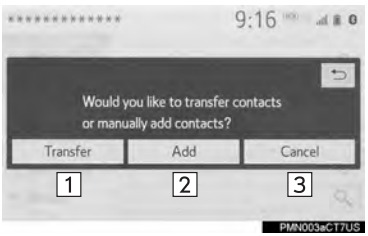


No.	Function
1	Select to transfer new contacts from a cellular phone, select **“Always”** and then enable “Automatic Transfer”.
2	Select to transfer all the contacts from a connected cellular phone only once.
3	Select to cancel transferring.

2 Check that a confirmation screen is displayed when the operation is complete.

FOR PBAP INCOMPATIBLE BUT OPP COMPATIBLE Bluetooth® PHONES

1 Select the desired item.



No.	Function
1	Select to transfer the contacts from the connected cellular phone. Transfer the contact data to the system using a Bluetooth® phone.
2	Select to add a new contact manually. Follow the steps in “REGISTERING A NEW CONTACT TO THE CONTACT LIST” from “STEP 2”. (→P.218)
3	Select to cancel transferring.

INFORMATION

● If your cellular phone is neither PBAP nor OPP compatible, the contacts cannot be transferred using Bluetooth®. But the contacts can be transferred from USB device. (→P.217)

● Depending on the type of Bluetooth® phone:

- It may be necessary to perform additional steps on the phone when transferring contact data.
- The registered image in the contact list may not transfer depending on the type of Bluetooth® phone connected.

BY KEYPAD

1 Display the phone top screen. (→P.194)

2 Select **“Keypad”** and enter the phone number.

3 Select or press the switch on the steering wheel.

4 Check that the “Dialing...” screen is displayed.

INFORMATION

- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

BY HOME SCREEN

1 Display the home screen. (→P.35)

2 Select the desired contact.

3 Check that the “Dialing...” screen is displayed.

REGISTERING A NEW CONTACT

1 Select and hold the screen button to add a contact.

2 Select the desired contact.

3 Select the desired number.

INFORMATION

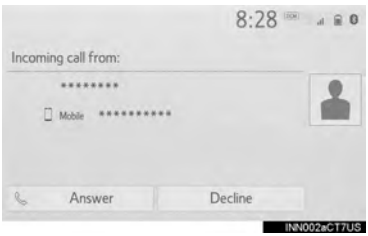
- If there is no contact in the contacts list, the contacts cannot be registered at the home screen.
- The contact cannot be registered at the home screen while driving.

4. RECEIVING A CALL USING THE Bluetooth® HANDS-FREE SYSTEM

INCOMING CALLS

When a call is received, this screen is displayed with a sound.

1 Select **"Answer"** or press the switch on the steering wheel to talk on the phone.



"Decline": Select to refuse to receive the call.

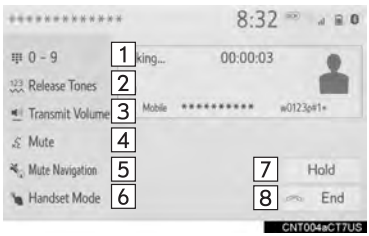
To adjust the volume of a received call: Turn the **"PWR VOL"** knob, or use the volume control switch on the steering wheel.

INFORMATION

- The contact image picture can be displayed only when the vehicle is not moving.
- During international phone calls, the other party's name or number may not be displayed correctly depending on the type of cellular phone you have.
- The incoming call display mode can be set. (→P.213)
- The ringtone that has been set in the sound settings screen can be heard when there is an incoming call. Depending on the type of Bluetooth® phone, both the system and Bluetooth® phone may ring simultaneously when there is an incoming call. (→P.212)

5. TALKING ON THE Bluetooth® HANDS-FREE SYSTEM

While talking on the phone, this screen is displayed. The operations outlined below can be performed on this screen.



No.	Function	Page
1	Select to display the key-pad to send tones.	204
2	Select to send tones. This button only appears when a number that contains a (w) is dialed in hands-free mode.	205
3	Select to adjust your voice volume that the other party hears from their speaker.	205
4	Select to mute your voice to the other party.	—
5*	Select to mute the Navigation route guidance during a phone call.	—
6	Select to change handset modes between hands-free and cellular phone.	—
7	Select to put a call on hold. To cancel this function, select **"Activate"**.	—
8	Select to hang up the phone.	—

*: Entune Premium Audio only

INFORMATION

- Changing from hands-free call to cellular phone call is not possible while driving.
- When cellular phone call is changed to hands-free call, the hands-free screen will be displayed and its functions can be operated on the screen.
- Changing between cellular phone call and hands-free call can be performed by operating the cellular phone directly.
- Transferring methods and operations will be different depending on the type of cellular phone you have.
- For the operation of the cellular phone, see the manual that comes with it.

SENDING TONES

BY KEYPAD

This operation cannot be performed while driving.

1 Select **"0 - 9"**.

2 Enter the desired number.

BY SELECTING “Release Tones”

“Release Tones” appear when a continuous tone signal(s) containing a (w) is registered in the contact list.

This operation can be performed while driving.

1 Select **“Release Tones”**.

INFORMATION

- A continuous tone signal is a character string that consists of numbers and the characters “p” or “w”. (e.g. 056133w0123p#1∗)
- When the “p” pause tone is used, the tone data up until the next pause tone will be automatically sent after 2 seconds have elapsed. When the “w” pause tone is used, the tone data up until the next pause tone will be automatically sent after a user operation is performed.
- Release tones can be used when automated operation of a phone based service such as an answering machine or bank phone service is desired. A phone number with continuous tone signals can be registered in the contact list.
- Tone data after a “w” pause tone can be operated by voice command during a call.

TRANSMIT VOLUME SETTING

1 Select **“Transmit Volume”**.

2 Select the desired level for the transmit volume.

3 Select to display previous screen.

INFORMATION

- The sound quality of the voice heard from the other party’s speaker may be negatively impacted.
- “Transmit Volume” is dimmed when mute is on.

SWITCHING CALLS WHILE A CALL IS IN PROGRESS

- When there are no calls on hold during a call: **“Hold”** is displayed. When selected, the current call is placed on hold.
- When there is no current call, but there is a call on hold: **“Activate”** is displayed. When selected, the system switches to the call that was on hold.
- When there is another call on hold during a call: **“Swap Calls”** is displayed. When selected, the current call is placed on hold, and the system switches to the call that was on hold.

INFORMATION

- This function may not be available depending on the type of cellular phone.

INCOMING CALL WAITING

When a call is interrupted by a third party while talking, the incoming call screen is displayed.

1 Select **"Answer"** or press the switch on the steering wheel to start talking with the other party.

"Decline": Select to refuse to receive the call.

CHANGING PARTIES

1 Select **"Swap Calls"**.

- Each time **"Swap Calls"** is selected during an interrupted call, the party who is on hold will be switched.

INFORMATION

- This function may not be available depending on the type of cellular phone.

6. Bluetooth® PHONE MESSAGE FUNCTION

Received messages can be forwarded from the connected Bluetooth® phone, enabling checking and replying using the system.

Depending on the type of Bluetooth® phone connected, received messages may not be transferred to the system.

If the phone does not support the message function, this function cannot be used.

DISPLAYING THE MESSAGE SCREEN

1 Display the phone top screen. (→P.194)

2 Select **"Message"**.

- A confirmation message appears when the "Automatic Message Transfer" function is set to off (→P.221), select **"Yes"**.

3 Check that the message screen is displayed.

"Phone": Select to change to phone mode.

- The account name is displayed on the left side of screen.
- Account names are the names of the accounts that exist on the currently connected phone.

Function	Page
Receiving a message	207
Checking messages	208
Replying to a message	209
Calling the message sender	210
Message settings	221

RECEIVING A MESSAGE

When an e-mail/SMS/MMS is received, the incoming message screen pops up with sound and is ready to be operated on the screen.

No.	Function
1	Select to check the message.
2	Select to not open the message.
3	Select to call the message sender.

INFORMATION

- Depending on the cellular phone used for receiving messages, or its registration status with the system, some information may not be displayed.
- The pop-up screen is separately available for incoming e-mail and SMS/MMS messages under the following conditions:

  E-mail:
  - "Incoming E-mail Display" is set to "Full Screen". (→P.213)
  - "E-mail Notification Pop-up" is set to on. (→P.213)

  SMS/MMS:
  - "Incoming SMS/MMS Display" is set to "Full Screen". (→P.213)
  - "SMS/MMS Notification Pop-up" is set to on. (→P.213)

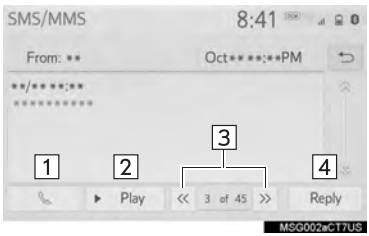
CHECKING RECEIVED MESSAGES

1 Display the message screen. (→P.207)

2 Select a desired account name.

3 Select the desired message from the list.

4 Check that the message is displayed.



No.	Function
1	Select to call the message sender.
2	Select to have messages read out. To cancel this function, select **"Stop"**. When "Automatic Message Read-out" is set to on, messages will be automatically read out. (→P.221)
3	Select to display the previous or next message.
4	Select to reply the message. (→P.209) This function can be chosen the method to reply message with "Dictation" or "Quick Message".

INFORMATION

- Reading a text message is not available while driving.
- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.
- Messages are displayed in the appropriate connected Bluetooth® phone's registered mail address folder. Select the desired folder to be displayed.
- Only received messages on the connected Bluetooth® phone can be displayed.
- The text of the message is not displayed while driving.
- Turn the **"PWR VOL"** knob, or use the volume control switch on the steering wheel to adjust the message read out volume.
- E-mail only: Select **"Mark Unread"** or **"Mark Read"** to mark mail unread or read on the message screen. This function is available when "Update Message Read Status on Phone" is set to on. (→P.221)

REPLYING TO A MESSAGE (DICTATION REPLY)*

1 Display the message screen. (→P.207)

2 Select the desired message from the list.

3 Select **"Reply"**.

4 Select **"Dictation"**.

5 When the "Say Your Message" screen is displayed, speak message that you want to send.

6 Select **"Send"** to send message.

"Cancel": Select to cancel sending the message.

"Retry": Select to retry speaking message that you want to send.

- While the message is being sent, a sending message screen is displayed.

7 Check that a confirmation screen is displayed when the operation is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

REPLYING TO A MESSAGE (QUICK REPLY)

15 messages have already been stored.

1 Display the message screen. (→P.207)

2 Select the desired message from the list.

3 Select **"Reply"**.

4 Select **"Quick Message"**.

5 Select the desired message.

: Select to edit the message. (→P.210)

6 Select **"Send"**.

"Cancel": Select to cancel sending the message.

- While the message is being sent, a sending message screen is displayed.

7 Check that a confirmation screen is displayed when the operation is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

INFORMATION

- Depending on the type of Bluetooth® phone, reply function is not available.

*: If equipped

■EDITING QUICK REPLY MESSAGES

This operation cannot be performed while driving.

1 Select corresponding to the desired message to edit.

2 Select **"OK"** when editing is completed.

INFORMATION

- To reset the edit quick reply messages, select **"Default"**.
- Quick Message 1 **("I am driving and will arrive in approximately [ETA] minutes.")***:
  This message cannot be edited and will automatically fill in [ETA] with the navigation calculated estimated time of arrival on the confirm message screen.
  If there are waypoints set, [ETA] to the next waypoint will be shown.
  If there is no route currently set in the navigation system, Quick Message 1 cannot be selected.

*: Entune Premium Audio only

CALLING THE MESSAGE SENDER

Calls can be made to an e-mail/SMS/MMS message sender's phone number.

This operation can be performed while driving.

■CALLING FROM E-MAIL/SMS/MMS MESSAGE DISPLAY

1 Display the message screen. (→P.207)

2 Select the desired message.

3 Select , or press the switch on the steering wheel.

- If there are 2 or more phone numbers, select the desired number.

4 Check that the "Dialing..." screen is displayed.

■CALLING FROM A NUMBER WITHIN A MESSAGE

Calls can be made to a number identified in a message's text area.

This operation cannot be performed while driving.

1 Display the message screen. (→P.207)

2 Select the desired message.

3 Select the text area.

- Identified phone numbers contained in the message are displayed in blue text.

4 Select the desired number.

5 Check that the "Dialing..." screen is displayed.

INFORMATION

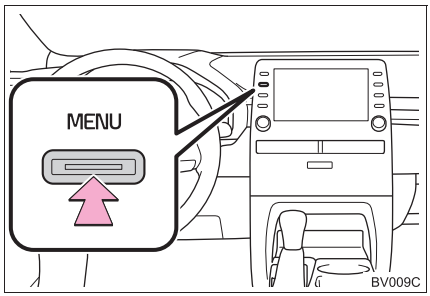
- A series of numbers may be recognized as a phone number. Additionally, some phone numbers may not be recognized, such as those for other countries.

■CALLING FROM THE INCOMING MESSAGE SCREEN

→P.207

1. PHONE SETTINGS

1 Press the **“MENU”** button.

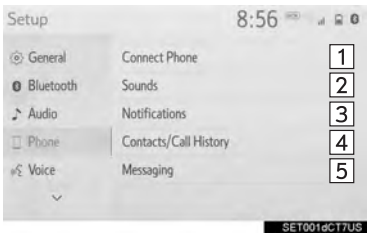


2 Select **“Setup”**.

3 Select **“Phone”**.

4 Select the desired item to be set.

PHONE SETTINGS SCREEN



No.	Information	Page
1	Connecting a Bluetooth® device and editing the Bluetooth® device information	48
2*	Sound settings	212
3*	Notification settings	213
4*	Contact/call history settings	214
5*	Message settings	221

*: This operation cannot be performed while driving.

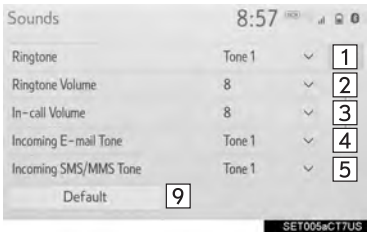
SOUND SETTINGS SCREEN

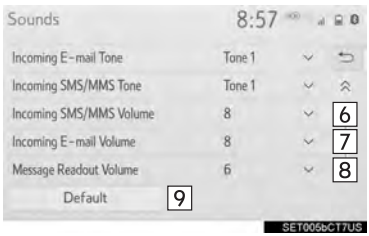
The call and ringtone volume can be adjusted. A ringtone can be selected.

1 Display the phone settings screen. (→P.212)

2 Select **“Sounds”**.

3 Select the desired item to be set.





No.	Function
1	Select to set the desired ringtone.
2	Select **"-"** or **"+"** to adjust the ringtone volume.
3	Select **"-"** or **"+"** to adjust the default volume of the other party's voice.
4	Select to set the desired incoming e-mail tone.
5	Select to set the desired incoming SMS/MMS tone.
6	Select **"-"** or **"+"** to adjust the incoming SMS/MMS tone volume.
7	Select **"-"** or **"+"** to adjust the incoming e-mail tone volume.
8	Select **"-"** or **"+"** to adjust the message readout volume.
9	Select to reset all setup items.

INFORMATION

- Depending on the type of phone, certain functions may not be available.

NOTIFICATION SETTINGS SCREEN

1 Display the phone settings screen. (→P.212)

2 Select **"Notifications"**.

3 Select the desired item to be set.

No.	Function
1	Select to change the incoming call display. **"Full Screen"**: When a call is received, the incoming call screen is displayed and can be operated on the screen. **"Drop-down"**: A message is displayed at the top of the screen.
2	Select to set the SMS/MMS notification pop-up on/off.
3	Select to change the incoming SMS/MMS display. **"Full Screen"**: When an SMS/MMS message is received, the incoming SMS/MMS display screen is displayed and can be operated on the screen. **"Drop-down"**: When an SMS/MMS message is received, a message is displayed at the top of the screen.
4	Select to set the e-mail notification pop-up on/off.
5	Select to change the incoming e-mail display. **"Full Screen"**: When an e-mail is received, the incoming e-mail display screen is displayed and can be operated on the screen. **"Drop-down"**: When an e-mail is received, a message is displayed at the top of the screen.
6	Select to set display of the contact/history transfer completion message on/off.
7	Select to reset all setup items.

INFORMATION

- Depending on the phone, these functions may not be available.

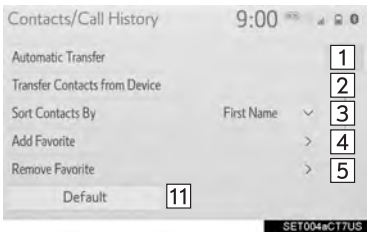
CONTACT/CALL HISTORY SETTINGS SCREEN

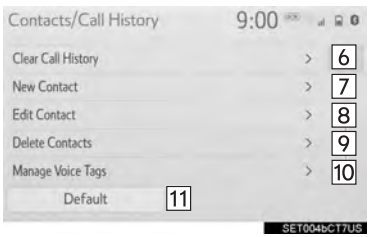
Contacts can be transferred from a Bluetooth® phone to this system. Contacts and favorites can be added, edited and deleted. Also, the call history can be deleted.

1 Display the phone settings screen. (→P.212)

2 Select **"Contacts/Call History"**.

3 Select the desired item to be set.





No.	Function	Page
1	For PBAP compatible Bluetooth® phones: Select to change the contact/ history transfer settings.	215
2	Select to update contacts from the connected phone or a USB memory.	216
3	Select to sort contacts by the first name or last name field.	—
4	Select to add contacts to the favorites list.	219
5	Select to delete contacts from the favorites list.	219
6*	Select to clear the call history.	—
7*	Select to add new contacts to the contact list.	218
8*	Select to edit contacts in the contact list.	218
9*	Select to delete contacts from the contact list.	218
10	Select to set the voice tags.	220
11	Select to reset all setup items.	—

*: For PBAP compatible Bluetooth® phones, this function is available when “Automatic Transfer” is set to off. (→P.214)

INFORMATION

- Depending on the type of phone, certain functions may not be available.
- Contact data is managed independently for every registered phone. When one phone is connected, another phone’s registered data cannot be read.

SETTING AUTOMATIC CONTACT/HISTORY TRANSFER

The automatic contact/history function is available for PBAP compatible Bluetooth® phones only.

1 Select **“Automatic Transfer”**.

2 Select the desired item to be set.

No.	Function
1	Select to set automatic contact/history transfer on/off. When set to on, the phone’s contact data and history are automatically transferred.
2	Select to update contacts from the connected phone. (→P.216)
3	Select to set the transferred contact image display on/off.
4	Select to reset all setup items.

UPDATING CONTACTS FROM PHONE

1 Select **"Update Now"**.

- Contacts are transferred automatically.

2 Check that a confirmation screen is displayed when the operation is complete.

- This operation may be unnecessary depending on the type of cellular phone.
- If another Bluetooth® device is connected when transferring contact data, depending on the phone, the connected Bluetooth® device may need to be disconnected.
- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

UPDATING THE CONTACTS IN A DIFFERENT WAY (FROM THE CALL HISTORY SCREEN)*1

1 Display the phone top screen. (→P.194)

2 Select **"History"** and select a contact not yet registered in the contact list.

3 Select **"Update Contact"**.

4 Select the desired contact.

5 Select a phone type for the phone number.

*1: For PBAP compatible Bluetooth® phones, this function is available when "Automatic Transfer" is set to off. (→P.215)

TRANSFERRING CONTACTS FROM DEVICE

FROM PHONE (OPP COMPATIBLE Bluetooth® PHONES ONLY)

1 Select **"Transfer Contacts from Device"**.

2 Select **"From Phone (Bluetooth*2)"**.

▶When the contact is not registered

3 Transfer the contact data to the system using a Bluetooth® phone.

- This operation may be unnecessary depending on the type of cellular phone.
- To cancel this function, select **"Cancel"**.

4 Check that a confirmation screen is displayed when the operation is complete.

▶When the contact is registered

3 Select **"Replace Contacts"** or **"Add Contact"**.

"Replace Contacts": Select to transfer the contact from the connected cellular phone and replace the current one.

"Add Contact": Select to transfer the desired contact data from the connected cellular phone to add to the current one.

4 Transfer the contact data to the system using a Bluetooth® phone.

- This operation may be unnecessary depending on the type of cellular phone.
- To cancel this function, select **"Cancel"**.

5 Check that a confirmation screen is displayed when the operation is complete.

*2: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

FROM USB DEVICE

Backed-up contact data (“vCard” formatted) can be transferred from USB device or Bluetooth® phone connected via USB to this system.

1 Connect a USB device. (→P.78)

2 Select **“Transfer Contacts from Device”**.

3 Select **“From USB”**.

4 Select **“USB 1”** or **“USB 2”** when the multiple USB devices are connected.

- If a USB device is connected, skip this procedure.

▶When the contact is not registered

5 Select a desired file from vCard file list.

6 Check that a confirmation screen is displayed when the operation is complete.

▶When the contact is registered

5 Select **“Replace Contacts”** or **“Add Contact”**.

“Replace Contacts”: Select to transfer the contact from the connected USB device or Bluetooth® phone and replace the current one.

“Add Contact”: Select to transfer the desired contact data from the connected USB device or Bluetooth® phone to add to the current one.

6 Select a desired file from vCard file list.

7 Check that a confirmation screen is displayed when the operation is complete.

INFORMATION

- Depending type of phone used and number of files, it may take time to display vCard file lists and download contacts.
- Downloading may not complete correctly in the following cases:
  - If the engine <power> switch is turned off during downloading.
  - If the USB device or Bluetooth® phone is removed before downloading is complete.

REGISTERING A NEW CONTACT TO THE CONTACT LIST

New contact data can be registered.

Up to 4 numbers per person can be registered. For PBAP compatible Bluetooth® phones, this function is available when "Automatic Transfer" is set to off. (→P.214)

1 Select **"New Contact"**.

2 Enter the name and select **"OK"**.

3 Enter the phone number and select **"OK"**.

4 Select the phone type for the phone number.

5 To add another number to this contact, select **"Yes"**.

REGISTERING A NEW CONTACT IN A DIFFERENT WAY (FROM THE CALL HISTORY SCREEN)

1 Display the phone top screen. (→P.194)

2 Select **"History"** and select a contact not yet registered in the contact list.

3 Select **"Add to Contacts"**.

4 Follow the steps in "REGISTERING A NEW CONTACT TO THE CONTACT LIST" from "STEP 2". (→P.218)

EDITING THE CONTACT DATA

For PBAP compatible Bluetooth® phones, this function is available when "Automatic Transfer" is set to off. (→P.214)

1 Select **"Edit Contact"**.

2 Select the desired contact.

3 Select corresponding to the desired name or number.

▶For editing the name

4 Follow the steps in "REGISTERING A NEW CONTACT TO THE CONTACT LIST" from "STEP 2". (→P.218)

▶For editing the number

4 Follow the steps in "REGISTERING A NEW CONTACT TO THE CONTACT LIST" from "STEP 3". (→P.218)

DELETING THE CONTACT DATA

For PBAP compatible Bluetooth® phones, this function is available when "Automatic Transfer" is set to off. (→P.214)

1 Select **"Delete Contacts"**.

2 Select the desired contact and select **"Delete"**.

3 Select **"Yes"** when the confirmation screen appears.

INFORMATION

- Multiple data can be selected and deleted at the same time.

SETTING FAVORITES LIST

Up to 15 contacts (maximum of 4 numbers per contact) can be registered in the favorites list.

REGISTERING THE CONTACTS IN THE FAVORITES LIST

1 Select **"Add Favorite"**.

2 Select the desired contact to add to the favorites list.

- Dimmed contacts are already stored as a favorite.
- When 15 contacts have already been registered to the favorites list, a registered contact needs to be replaced.
  Select **"Yes"** when the confirmation screen appears and select the contact to be replaced.

3 Check that a confirmation screen is displayed when the operation is complete.

REGISTERING CONTACTS IN THE FAVORITES LIST IN A DIFFERENT WAY (FROM THE CONTACT DETAILS SCREEN)

1 Display the phone top screen. (→P.194)

2 Select **"Contacts"** and select the desired contact.

3 Select **"Add Favorite"**.

4 Check that a confirmation screen is displayed when the operation is complete.

DELETING THE CONTACTS IN THE FAVORITES LIST

1 Select **"Remove Favorite"**.

2 Select the desired contacts and select **"Remove"**.

3 Select **"Yes"** when the confirmation screen appears.

4 Check that a confirmation screen is displayed when the operation is complete.

DELETING CONTACTS IN THE FAVORITES LIST IN A DIFFERENT WAY (FROM THE CONTACT DETAILS SCREEN)

1 Display the phone top screen. (→P.194)

2 Select **"Favorites"** or **"Contacts"** and select the desired contact to delete.

3 Select **"Remove Favorite"**.

4 Select **"Yes"** when the confirmation screen appears.

5 Check that a confirmation screen is displayed when the operation is complete.

SETTING VOICE TAGS

Calls can be made by saying the voice tag of a registered contact in the contact list. (→P.124)

1 Select **"Manage Voice Tags"**.

2 Select the desired item to be set.

No.	Function	Page
1	Select to register a new voice tag.	220
2	Select to edit a voice tag.	220
3	Select to delete a voice tag.	220

REGISTERING A VOICE TAG

Up to 50 voice tags can be registered.

1 Select **"New"**.

2 Select the desired contact to register a voice tag for.

3 Select **"• REC"** and record a voice tag.

- When recording a voice tag, do so in a quiet area.

"▶ Play": Select to play the voice tag.

4 Select **"OK"** when voice tag registration is complete.

EDITING A VOICE TAG

1 Select **"Edit"**.

2 Select the desired contact to edit.

3 Follow the steps in "REGISTERING A VOICE TAG" from "STEP 3". (→P.220)

DELETING THE VOICE TAG

1 Select **"Delete"**.

2 Select the desired contact and select **"Delete"**.

3 Select **"Yes"** when the confirmation screen appears.

INFORMATION

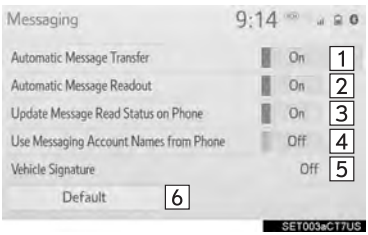
- Multiple data can be selected and deleted at the same time.
- Voice tags are deleted when the set language of the system is changed. (→P.62)

MESSAGE SETTINGS SCREEN

1 Display the phone settings screen. (→P.212)

2 Select **“Messaging”**.

3 Select the desired item to be set.



No.	Function
1	Select to set automatic message transfer on/off.
2	Select to set automatic message readout on/off.
3	Select to set updating message read status on phone on/off.
4	Select to set display of messaging account names on the message screen on/off. When set to on, messaging account names used on the cellular phone will be displayed.
5	Select to set adding the vehicle signature to outgoing messages on/off. The vehicle signature can be edited. (→P.221)
6	Select to reset all setup items.

INFORMATION

- Depending on the phone, these functions may not be available.

SETTING VEHICLE SIGNATURE

1 Select **“Vehicle Signature”**.

2 Select the desired item to be set.

No.	Function
1	Select to set adding the vehicle signature to outgoing messages on/off.
2	Select to edit the vehicle signature. (→P.221)
3	Select to reset all setup items.

EDITING VEHICLE SIGNATURE

1 Select **“Edit Vehicle Signature”**.

2 Enter desired signature and select **“OK”**.

3 Select **“OK”** on the preview screen.
“Edit Again”: Select to edit the signature again.

1. TROUBLESHOOTING

If there is a problem with the hands-free system or a Bluetooth® device, first check the table below.

▶When using the hands-free system with a Bluetooth® device

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
The hands-free system or Bluetooth® device does not work.	The connected device may not be a compatible Bluetooth® cellular phone.	For a list of specific devices which operation has been confirmed on this system, check with your Toyota dealer or the following website: http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico	*	—
	The Bluetooth® version of the connected cellular phone may be older than the specified version.	Use a cellular phone with Bluetooth® version 2.0 or higher (recommended: Ver. 4.1 +EDR).	*	46

▶When registering/connecting a cellular phone

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A cellular phone cannot be registered.	An incorrect passcode was entered on the cellular phone.	Enter the correct passcode on the cellular phone.	*	—
	The registration operation has not been completed on the cellular phone side.	Complete the registration operation on the cellular phone (approve registration on the phone).	*	—
	Old registration information remains on either this system or the cellular phone.	Delete the existing registration information from both this system and the cellular phone, then register the cellular phone you wish to connect to this system.	*	50
A Bluetooth® connection cannot be made.	Another Bluetooth® device is already connected.	Manually connect the cellular phone you wish to use to this system.	—	48
	Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.	*	—
	Automatic Bluetooth® connection on this system is set to off.	Set automatic Bluetooth® connection on this system to on when the engine <power> switch is in ACCESSORY or IGNITION ON <ON> mode.	—	53
	Preferred device settings function on this system is set to on.	Set preferred device settings function on this system to off.	—	53
		Set the desired cellular phone to the highest automatic connection priority.	—	53

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A cellular phone cannot be connected.	Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.	*	—
	Old registration information remains on either this system or the cellular phone.	Delete the existing registration information from both this system and the cellular phone, then register the cellular phone you wish to connect to this system.	*	50

▶When making/receiving a call

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A call cannot be made/received.	Your vehicle is out of the service area.	Move to where no longer appears on the display.	—	20

▶When using the phonebook

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Phonebook data cannot be transferred manually/automatically.	The profile version of the connected cellular phone may not be compatible with transferring phonebook data.	For a list of specific devices which operation has been confirmed on this system, check with your Toyota dealer or the following website: http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico	*	—
	Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on.	—	214
	Passcode has not been entered on the cellular phone.	Enter the passcode on the cellular phone if requested (default passcode: 1234).	*	—
	Transfer operation on the cellular phone has not completed.	Complete transfer operation on the cellular phone (approve transfer operation on the phone).	*	—
Phonebook data cannot be edited.	Automatic contact transfer function on this system is set to on.	Set automatic contact transfer function on this system to off.	—	214

▶When using the Bluetooth® message function

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Messages cannot be viewed.	Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).	*	—
	Automatic transfer function on this system is set to off.	Set automatic transfer function on this system to on.	—	221
New message notifications are not displayed.	Notification of SMS/MMS/E-mail reception on this system is set to off.	Set notification of SMS/MMS/E-mail reception on this system to on.	*	213
	Automatic message transfer function is not enabled on the cellular phone.	Enable automatic transfer function on the cellular phone.	*	—

▶In other situations

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
The Bluetooth® connection status is displayed at the top of the screen each time the engine <power> switch is in ACCESSORY or IGNITION ON <ON> mode.	Connection confirmation display on this system is set to on.	To turn off the display, set connection confirmation display on this system to off.	—	52
Even though all conceivable measures have been taken, the symptom status does not change.	The cellular phone is not close enough to this system.	Bring the cellular phone closer to this system.	—	—
	Radio interference has occurred.	Turn off Wi-Fi® devices or other devices that may emit radio waves.	—	—
	The cellular phone is the most likely cause of the symptom.	Turn the cellular phone off, remove and reinstall the battery pack, and then restart the cellular phone.	*	—
		Enable the cellular phone's Bluetooth® connection.	*	—
		Disable the Wi-Fi® connection of the cellular phone.	*	—
		Stop the cellular phone's security software and close all applications.	*	—
		Before using an application installed on the cellular phone, carefully check its source and how its operation might affect this system.	*	—

*: For details, refer to the owner's manual that came with the cellular phone.

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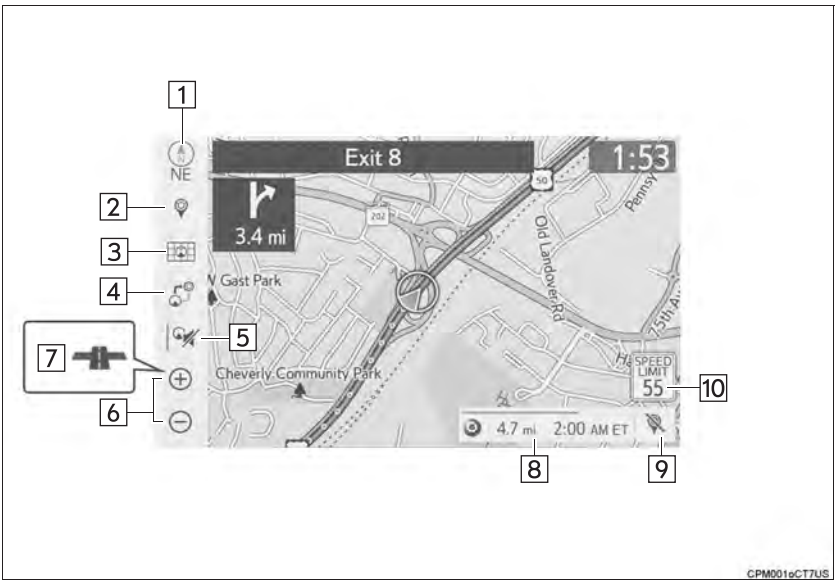
*1: Entune Premium Audio only
*2: Point of Interest

1. QUICK REFERENCE

MAP SCREEN

To display this screen, press the **“MAP”** button.



No.	Name	Function	Page
1	2D North-up, 2D heading-up or 3D heading-up symbol	Indicates whether the map orientation is set to north-up or heading-up. The letter(s) under this symbol indicate the vehicle’s heading direction (e.g. N for north). In 3D map, only a heading-up view is available.	233
2	Destination button	Select to display the destination screen.	243
3	Map options button	Select to display the map options screen.	236
4	Route options button	Select to display the route options screen.	264
5	Mute button	Select to mute the voice guidance. When set to on, the indicator will illuminate.	—
6	Zoom in/out button	Select to magnify or reduce the map scale. When either button is selected, the map scale indicator bar appears at the bottom of the screen.	232
7	Micro city map button	Select to display the micro city map screen.	233

No.	Name	Function	Page
8	Route information bar	Displays the distance with the estimated travel time/arrival time to the destination. The route information bar fills from left to right as the vehicle progresses on the route.	258
9	Delete destination button	Select to delete destinations.	—
10	Speed limit icon	Indicates the speed limit on the current road. The display of the speed limit icon can be set to on/off.	236

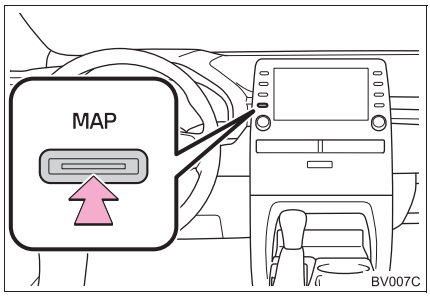
INFORMATION

- When the vehicle is not receiving GPS signals, such as when driving in a tunnel, GPS will be displayed at the bottom left corner of the screen.

2. MAP SCREEN OPERATION

CURRENT POSITION DISPLAY

1 Press the **"MAP"** button.



2 Check that the current position map is displayed.

- To correct the current position manually:→P.276

INFORMATION

- While driving, the current position mark is fixed on the screen and the map moves.
- The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
- After the 12-volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the navigation system receives signals from the GPS, the correct current position is displayed.

MAP SCALE

1 Select ⊕ or ⊖ to change the scale of the map screen.

- The scale indicator bar appears at the bottom of the screen.
- Select and hold ⊕ or ⊖ to continue changing the scale of the map screen.
- The scale of the map screen can also be changed by selecting the scale bar directly. This function is not available while driving.
- Pinch outward on the screen to zoom in and pinch inward to zoom out.
- In areas where a micro city map is available, ⊕ will change to when the map screen is set to the smallest scale.

MICRO CITY MAP

For areas covered by the micro city map (some major cities), a micro city map on a scale of 75 ft. (25 m) can be selected.

When the map is scaled down to 150 ft. (50 m), ⊕ changes to and can be selected to display the micro city map.

1 Select on the map screen.

2 Check that the micro city map is displayed.

- To return to the normal map display, select ⊖.
- If the map or the current position is moved to the area which is not covered by the micro city map, the screen scale automatically changes to 150 ft. (50 m).
- On the micro city map, a one way street is displayed by .
- Scrolling the micro city map is not available while driving.

Building micro cities in the database were created and provided by HERE.

ORIENTATION OF THE MAP

The orientation of the map can be changed between 2D north-up, 2D heading-up and 3D heading-up by selecting the orientation symbol displayed at the top left of the screen.

: North-up symbol

Regardless of the direction of vehicle travel, north is always up.

: Heading-up symbol

The direction of vehicle travel is always up.

: 3D Heading-up symbol

The direction of vehicle travel is always up.

- The letter(s) under this symbol indicate the vehicle's heading direction (e.g. N for north).

MAP SCROLL OPERATION

The map can be scrolled to view locations that are different than your current position.

No.	Information/Function
1	Cursor mark
2	Distance from the current position to the cursor mark.
3	Select to register as a memory point. To change the icon, name, etc.: →P.270
4	Select to set as a destination. (→P.252)

- The map screen can be scrolled by touching, dragging or flicking it. (→P.33)
- Press the **"MAP"** button to return to the current position.

ADJUSTING LOCATION IN SMALL INCREMENTS

The cursor location can be adjusted in small increments. 8 directional arrows may appear in the following cases.

- When **"Adjust Location"** is selected on the map screen
- When changing the location of memory points on the editing screen (→P.271, 273)
- When adjusting the current position mark manually on the calibration screen (→P.277)

1 Select one of the 8 directional arrows to move the cursor to the desired point and then select **"OK"**.

DISPLAYING INFORMATION ABOUT THE ICON WHERE THE CURSOR IS SET

When the cursor is placed over an icon on the map screen, the name is displayed at the top of the screen. If **"Info"** is shown to the right of the name, detailed information can be displayed.

1 Place the cursor over an icon.

2 Select **"Info"**.

- The information screen will be displayed.
  "Save": Select to register as a memory point.To change the icon, name, etc. (→P.270)
  "Go"/"Enter": Select to set as a destination.
  : Select to call the registered number.
  "Delete": Select to delete destination or memory point.
  "Edit": Select to display the edit memory point screen.

STANDARD MAP ICONS

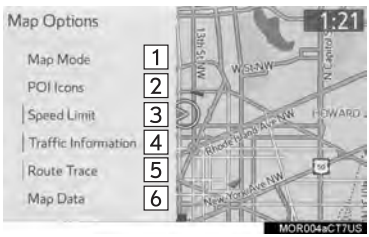
Icon	Name
	Park
	Business facility
	Airport
	Military
	University
	Hospital
	Stadium
	Shopping mall
	Golf

3. MAP OPTIONS OPERATION

Information such as POI icons, route trace, speed limit, etc. can be displayed on the map screen.

1 Select on the map screen. (→P.230)

2 Select the desired items to be displayed.



No.	Function	Page
1	Select to display the desired map mode.	236
2	Select to select or change POI icons.	238
3	Select to display speed limit icon.	—
4*	Select to display traffic information.	242
5	Select to display route trace.	239
6	Select to display the map version and coverage area.	286

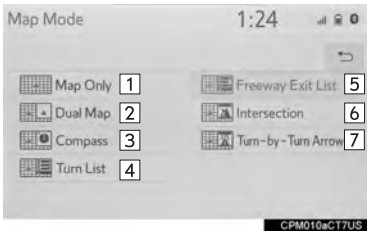
*: This function is not available in some countries and areas.

SWITCHING THE MAP MODE

1 Select on the map screen. (→P.230)

2 Select **"Map Mode"**.

3 Select the desired configuration button.



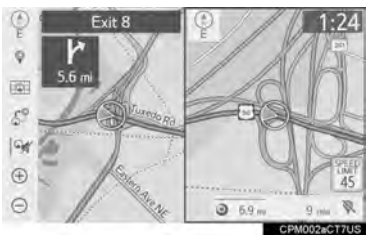
No.	Function	Page
1	Select to display the single map screen.	—
2	Select to display the dual map screen.	237
3	Select to display the compass mode screen.	237
4	Select to display the turn list screen.	261
5	Select to display the freeway exit list screen.	259
6	Select to display the intersection guidance screen or the guidance screen on the freeway.	261
7	Select to display the turn-by-turn arrow screen.	262

- Depending on the conditions, certain screen configuration buttons cannot be selected.

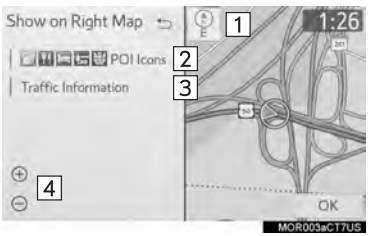
DUAL MAP

The map on the left is the main map. The right side map can be edited.

1 Select any point on the right side map.



2 Select the desired item.



No.	Function	Page
1	Select to change the orientation of the map.	233
2	Select to display POI icons.	238
3*	Select to show traffic information.	240
4	Select to change the map scale.	232

*: This function is not available in some countries and areas.

3 Select **"OK"**.

COMPASS

Information about the destination, current position and a compass are displayed on the screen.

INFORMATION

- The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.
- When the vehicle travels out of the coverage area, the guidance screen changes to the whole compass mode screen.

SELECTING THE POI ICONS

1 Select on the map screen. (→P.230)

2 Select **“POI Icons”**.

3 Select the desired POI category and select **“OK”**.

No.	Information/Function	Page
1	Displays up to 5 selected POI icons on the map screen	–
2	Select to cancel the selected POI icons.	–
3	Displays up to 6 POI icons as favorite POI categories. If a POI category is selected to be displayed on the map, its icon will be displayed above.	276
4	Select to display other POI categories if the desired POIs cannot be found on the screen.	238
5	Select to search for the nearest POIs.	238

SELECTING OTHER POI ICONS TO BE DISPLAYED

1 Select **“Other POIs”**.

2 Select the desired POI categories and select **“OK”**.

“List All Categories”: Select to display all POI categories.

DISPLAYING THE LOCAL POI LIST

POIs that are within 20 miles (32 km) of the current position will be listed from among the selected categories.

1 Select **“Around Me”**.

2 Select the desired POI.

“Sort/Search Area”: Select to sort (distance, name, category) POIs or search area.

- Select **“Near Here”** to search for POIs near the current position.
- Select **“Along My Route”** to search for POIs along the route.

3 Check that the selected POI is displayed on the map screen.

ROUTE TRACE

The traveled route can be stored and retraced on the map screen. This feature is available when the map scale is 30 miles (50 km) or less.

1 Select on the map screen. (→P.230)

2 Select **"Route Trace"**.

- The route trace starts.

3 Check that the traveled line is displayed.

STOP RECORDING THE ROUTE TRACE

1 Select on the map screen. (→P.230)

2 Select **"Route Trace"** again.

3 A confirmation screen will be displayed.
"Yes": Select to keep the recorded route trace.
"No": Select to erase the recorded route trace.

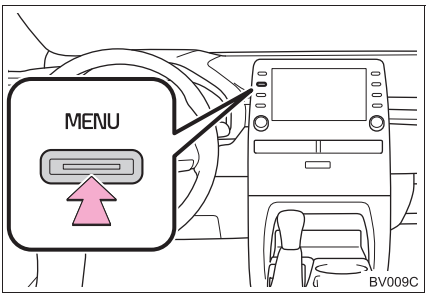
INFORMATION

- The traveled route can be stored up to 621 miles (1000 km).

4. TRAFFIC INFORMATION*

Traffic data can be received via HD Radio broadcast or DCM (Data Communication Module) to display traffic information on the map screen.

1 Press the **"MENU"** button.

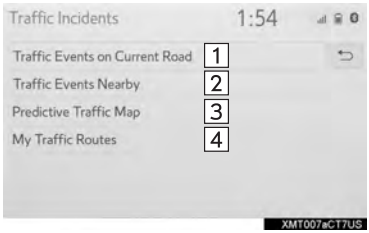


2 Select **"Info"**.

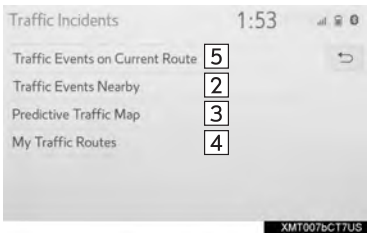
3 Select **"Traffic incidents"**.

4 Select the desired item.

▶When the route has not been set



▶When the route has been set



No.	Function	Page
1	Select to display traffic information for the current road.	241
2	Select to display nearby traffic information.	241
3	Select to display a map with predictive traffic data.	241
4	Select to display traffic along the saved routes.	242
5	Select to display traffic information for the set route.	241

INFORMATION

- If a large amount of information is being received, it may take longer than normal for the information to be displayed on the screen.
- If traffic information cannot be received because the vehicle is outside of HD Radio coverage area, it may still be able to be received using DCM. (→P.140)

*: This function is not available in some countries and areas.

DISPLAYING TRAFFIC INFORMATION

A list of current traffic information can be displayed along with information on the location of each incident.

1 Display the traffic incidents screen. (→P.240)

2 Select **"Traffic Events on Current Road"**, **"Traffic Events on Current Route"** or **"Traffic Events Nearby"**.

3 Select the desired traffic information.

▶When **"Traffic Events Nearby"** is selected, depending on whether the traffic flow information is enabled/disabled, the following will be displayed:

When enabled: Traffic event and congestion information

When disabled: Traffic event information only

4 Check that the traffic information is displayed.

"Detail": Select to display detailed traffic information.

DISPLAYING PREDICTIVE TRAFFIC INFORMATION

A map with predictive traffic data can be displayed.

1 Display the traffic incidents screen. (→P.240)

2 Select **"Predictive Traffic Map"**.

3 Scroll the map to the desired point and set the time of predictive traffic information.

- The time of the predictive traffic information can be changed in 15-minute intervals up to +45 minutes.

"<": Moves the time forward 15 minutes.

">": Moves the time back 15 minutes.

MY TRAFFIC ROUTES

Traffic information along the saved routes can be displayed. To use this function, it is necessary to register a route. (→P.280)

1 Display the traffic incidents screen. (→P.240)

2 Select **"My Traffic Routes"**.

- If map data has been updated, a confirmation screen will be displayed. Select **"OK"** or **"Do Not Tell Me Again"**.

3 Select the desired route.

"Options": Select to add, edit or delete personal traffic routes. (→P.280)

- If routes have not been registered yet, a confirmation screen will be displayed. Select **"Yes"** to register the route.

4 Select the desired traffic information.

5 Check that the traffic information is displayed.

"Detail": Select to display detailed traffic information.

DISPLAYING TRAFFIC INFORMATION ON THE MAP

1 Select on the map screen.

2 Select **"Traffic Information"**.

3 Check that the traffic information is displayed.

INFORMATION

- The icons indicate traffic incidents such as construction, accidents, etc. Select an icon to hear more detail by voice.
- The arrows indicate the flow of traffic. The color changes depending on the speed.

1. DESTINATION SEARCH OPERATION

The destination screen enables to search for a destination. The destination screen can be reached by the following methods:

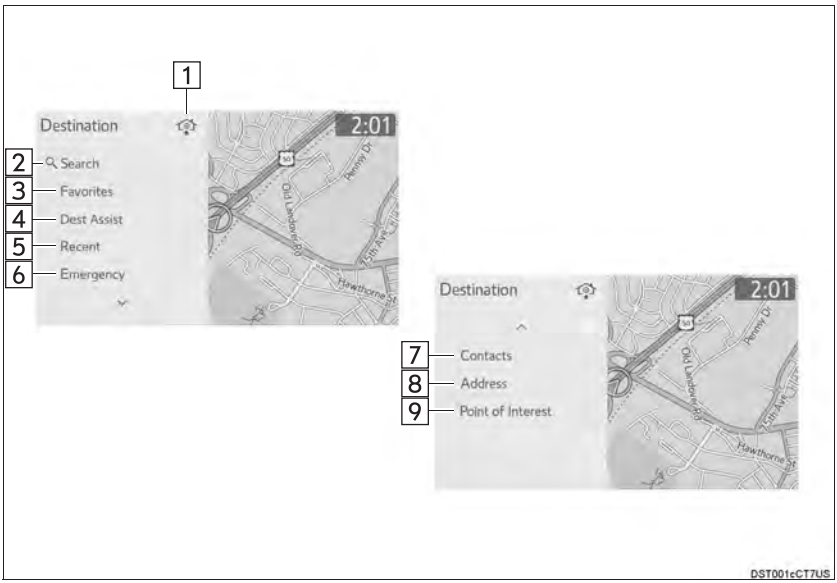
▶From the **“MENU”** button

Press the **“MENU”** button, and then select **“Destination”**.

▶From the **“MAP”** button

Press the **“MAP”** button, and then select .

To hide the destination screen, touch any part of the map screen.



No.	Function	Page
1	Select to set a destination by home.	245
2	Select to search for a destination by entering keywords.	245
3	Select to search for a destination from a registered entry in “Favorites”.	246
4*	Select to search for a destination via the Toyota Entune center.	246
5	Select to search for a destination from recent set destinations.	246
6	Select to search for a destination from emergency service points.	247
7	Select to search for a destination from contact data which had been transferred to the navigation system from a registered Bluetooth® phone.	247
8	Select to search for a destination by address.	247
9	Select to search for a destination by point of interest.	248

*: This function is not available in some countries and areas.

SELECTING SEARCH AREA

The selected state (province) can be changed to set a destination from a different state (province) by using **“Address”** or **“Point of Interest”**.

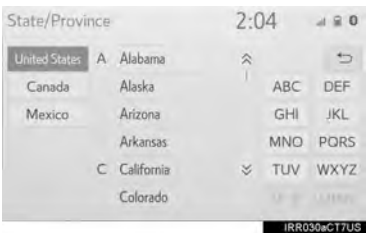
1 Display the destination screen. (→P.243)

2 Select **“Address”** or **“Point of Interest”**.

3 Select **“Select State/Province”** or **“Change State/Province”**.

- If a state (province) has not been selected yet, **“Select State/Province”** is displayed.

4 Select the desired state (province).



- To change countries, select **“United States”**, **“Canada”** or **“Mexico”**.

SETTING HOME AS DESTINATION

To use this function, it is necessary to register a home location. (→P.269)

1 Display the destination screen. (→P.243)

2 Select .

- The navigation system performs a search for the route and the route overview is displayed. (→P.253)

SEARCHING BY KEYWORD

The destination can be searched by entering various keywords.

1 Display the destination screen. (→P.243)

2 Select **“Search”**.

3 Enter characters on the keyboard.

4 Select **“Search”**.

▶When there is more than 1 result

5 Select the desired item from the list.

ⓘ: Select to display updated information about the selected entry. (vehicles with DCM)

INFORMATION

- To search for a facility name using multiple search words, put a space between each word.
- Search results may differ depending on the Toyota Entune subscription status and communication status.

SEARCHING BY FAVORITES LIST

To use this function, it is necessary to register a point as a favorites list entry. (→P.270)

1 Display the destination screen. (→P.243)

2 Select **"Favorites"**.

3 Select the desired favorites list entry.

SEARCHING BY Destination Assist Connect*

A Destination Assist Connect operator can search for a destination. You can request a specific business, address, or ask for help locating your desired destination. (→P.296)

1 Display the destination screen. (→P.243)

2 Select **"Dest Assist"**.

SEARCHING BY RECENT DESTINATIONS

1 Display the destination screen. (→P.243)

2 Select **"Recent"**.

3 Select the desired destination.

"Sort/Delete": Select to sort (date,name) or delete destination(s).

INFORMATION

- Up to 100 previously set destinations are displayed on the screen.

DELETING RECENT DESTINATIONS

1 Select **"Sort/Delete"**.

2 Select **"Delete Recent Destinations"**.

3 Select the desired recent destination(s) to be deleted.

4 Select **"Yes"** when the confirmation screen appears.

"Sort/Delete All": Select to sort (date,name) destinations or delete all.

*: This function is not available in some countries and areas.

SEARCHING BY EMERGENCY

1 Display the destination screen. (→P.243)

2 Select **“Emergency”**.

3 Select the desired emergency category.

4 Select the desired destination.

INFORMATION

- The navigation system does not guide in areas where route guidance is unavailable. (→P.285)

SEARCHING BY CONTACT

To use this function, it is necessary to have contact data which had been transferred to the navigation system from a registered Bluetooth® phone. (→P.200)

1 Display the destination screen. (→P.243)

2 Select **“Contacts”**.

3 Select the desired contact.

4 Select **“Addresses”**.

5 Select the desired address.

6 Follow the steps in “SEARCHING BY KEYWORD” from “STEP 4”. (→P.245)

INFORMATION

- This function may not be available depending on the type of Bluetooth® phone.

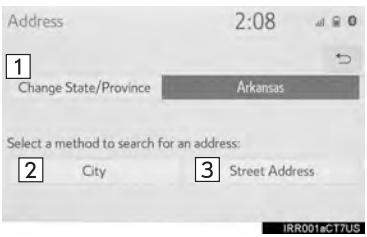
SEARCHING BY ADDRESS

There are 2 methods to search for a destination by address.

1 Display the destination screen. (→P.243)

2 Select **“Address”**.

3 Select the desired search method.



No.	Function	Page
1	Select to change the search area.	245
2	Select to search by city.	247
3	Select to search by street address.	248

SEARCHING BY CITY

1 Select **“City”**.

2 Enter a city name and select **“Search”**.

“Last 5 Cities”: Select the desired city name from the list of the last 5 cities.

3 Select the desired city name.

4 Enter a street name and select **“Search”**.

5 Select the desired street name.

6 Enter a house number and select **“Search”**.

● If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.

SEARCHING BY STREET ADDRESS

1 Select **“Street Address”**.

2 Enter a house number and select **“Search”**.

3 Enter a street name and select **“Search”**.

4 Select the desired street name.

5 Enter a city name and select **“Search”**.

6 Select the desired city name.

● If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.

INFORMATION

● A street name can be searched using only the body part of its name.
For example: S WESTERN AVE

• A search can be performed by entering “S WESTERN AVE”, “WESTERN AVE” or “WESTERN”.

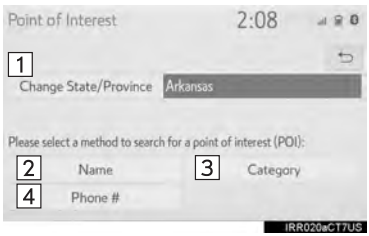
SEARCHING BY POINT OF INTEREST

There are 3 methods to search for a destination by Points of Interest.

1 Display the destination screen. (→P.243)

2 Select **“Point of Interest”**.

3 Select the desired search method.



No.	Function	Page
1	Select to change the search area.	245
2	Select to search by name.	249
3	Select to search by category.	250
4	Select to search by phone number.	250

SEARCHING BY NAME

1 Select **“Name”**.

2 Enter a POI name and select **“Search”**.

3 Select the desired POI.

“Sort/Category/City”: Select to sort (name, distance) the displayed entries, change the POI category, or enter a city name.

- When entering the name of a specific POI, and there are 2 or more sites with the same name, the list screen will be displayed. Select the desired POI.

INFORMATION

- To search for a facility name using multiple search words, put a space between each word.

SELECTING A CITY TO SEARCH

1 Select **“Sort/Category/City”**.

2 Select **“Enter a city name”**.

3 Enter a city name and select **“Search”**.

“Any City”: Select to cancel the city setting.

4 Select the desired city name.

5 Select the desired POI.

SELECTING FROM THE CATEGORIES

1 Select **“Sort/Category/City”**.

2 Select **“Change POI category”**.

3 Select the desired category.

- If there is more than 1 detailed item of the selected category, the detailed list will be displayed.

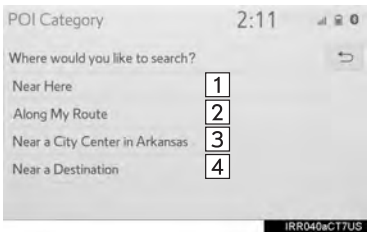
“List All Categories”: Select to display all POI categories.

4 Select the desired POI.

SEARCHING BY CATEGORY

1 Select **"Category"**.

2 Select the desired search point.



No.	Function
1	Select to search for POIs near your current position.
2	Select to search for POIs along the set route.
3	Select to search for POIs near a specific city center. (→P.250)
4	Select to search for POIs near a destination. When more than 1 destination has been set, a list will be displayed on the screen. Select the desired destination.

3 Select the desired POI category.

- If there is more than 1 result for the selected category, a detailed list will be displayed.

"List All Categories": Select to display all POI categories.

"Favorite POI Categories": Select to use the 6 POIs that have been previously set. (→P.276)

4 Select the desired POI.

INFORMATION

- The names of POIs located within approximately 200 miles (320 km) from the selected search point can be displayed.

WHEN "Near a City Center in XX*" IS SELECTED

1 Select **"Near a City Center in XX"**.

2 Enter a city name and select **"Search"**.

"Last 5 Cities": Select the desired city name from the list of the last 5 cities.

3 Select the desired city name.

4 Select **"OK"** when the city center map screen is displayed.

5 Follow the steps in "SEARCHING BY CATEGORY" from "STEP 3". (→P.250)

*: XX represents the selected search area name.

INFORMATION

- If the navigation system has never been used, selecting the city name from **"Last 5 Cities"** will not be available.

SEARCHING BY PHONE NUMBER

1 Select **"Phone #"**.

2 Enter a phone number and select **"OK"**.

- If multiple locations with the same phone number exist, the list screen will be displayed.

INFORMATION

- If there is no match for the entered phone number, a list of identical numbers with different area codes will be displayed.

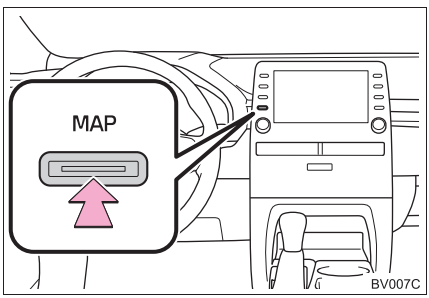
ONE-TOUCH SETTING HOME/ FAVORITE AS A DESTINATION

To use this function, it is necessary to register a home and/or a favorite location. Up to 2 favorites can be registered as preset destinations. (→P.269,270)

To set the home or a preset destination as the destination, select the corresponding button.

1 Turn the engine <power> switch to ACCESSORY or IGNITION ON <ON> mode.

2 Press the **"MAP"** button.



3 Select the desired item.

No.	Function
1	Select to set the registered home as the destination.
2	Select to set a registered favorite as the destination. (Up to 2 favorites can be registered as preset destinations.)

- The estimated time of arrival to the registered home and preset destinations from the current position will be displayed.
- If the home or a preset destination has not been registered, "Save Home" or "Save Favorite" will be displayed, respectively. To register a home or preset destination, select the corresponding button.

INFORMATION

- When the destination is very close to the current position, "Nearby" will be displayed.
- The one-touch buttons for home and favorites will disappear after the vehicle has been driven for a while.
- The color of the estimated arrival time indicator may change depending on the traffic information received.
- This function is available when **"Automatic Destination List Info"** is set to on. (→P.274)

2. STARTING ROUTE GUIDANCE

When the destination is set, the confirm destination screen will be displayed.

1 Select **"Go"** on the confirm destination screen.

● For details about this screen: →P.253

2 Select **"OK"** on the route overview screen.

● For details about this screen: →P.253

⚠ WARNING

● Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may not indicate such changed information.

INFORMATION

● The route for returning may not be the same as that for going.

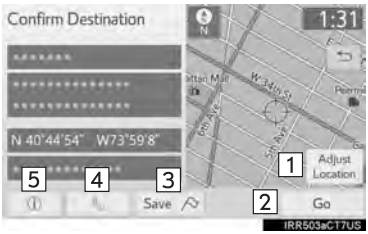
● The route guidance to the destination may not be the shortest route or a route without traffic congestion.

● Route guidance may not be available if there is no road data for the specified location.

● When setting the destination on a map with a scale more than 0.5 mile (800 m), the map scale changes to 0.5 miles (800 m) automatically. If this occurs, set the destination again.

● If a destination that is not located on a road is set, the vehicle will be guided to the point on a road nearest to the destination. The road nearest to the selected point is set as the destination.

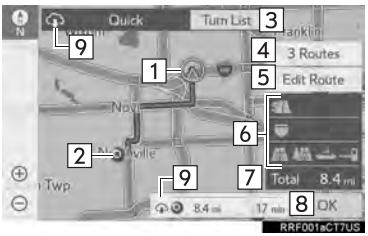
CONFIRM DESTINATION SCREEN



No.	Function
1	Select to adjust the position in smaller increments. (→P.234)
2	Select to search for the route. (→P.252) If a destination has already been set, **"Go Directly"** and **"Add to Route"** will be displayed. **"Go Directly"**: Select to delete the existing destination(s) and set a new one. **"Add to Route"**: Select to add a destination to the current route.
3	Select to register as a memory point.
4	Select to call the registered number.
5*	Select to update information about the selected entry.

*: This function is displayed only when there is information from the Toyota Entune center. (→P.245)

ROUTE OVERVIEW SCREEN



No.	Information/Function	Page
1	Current position	—
2	Destination point	—
3	Select to display a list of the turns required to reach the destination.	255
4	Select the desired route from 3 possible routes.	254
5	Select to change the route.	255
6	Type of route and its distance	—
7	Distance of the entire route	—
8	• Select to start guidance. • Select and hold to start demo mode. (→P.254)	—
9	Displayed when the route displayed is from the Toyota Entune center.	256

STARTING DEMO MODE

Before starting the route guidance, the demonstration of the route guidance can be viewed.

1 Select and hold **"OK"** on the route overview screen until a beep sounds.

- Press the **"HOME"** or **"MAP"** button to end demo mode.

3 ROUTES SELECTION

1 Select **"3 Routes"**.

2 Select the desired route.

No.	Information/Function
1	Displayed when the route displayed is available from the Toyota Entune center. ( )
2	Select to display the quickest route.
3	Select to display the route that is the shortest distance to the set destination.
4	Select to display the alternative route.
5	Select to display the information about the 3 routes. (→P.254)

DISPLAYING 3 ROUTES INFORMATION

1 Select **"Info"**.

2 Check that the 3 routes information screen is displayed.

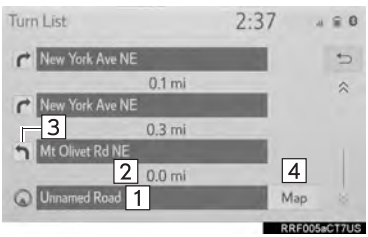
No.	Information
1	Time necessary for the entire trip
2	Distance of the entire trip
3	Distance of the toll road
4	Distance of the freeway
5	Distance of the ferry trip

DISPLAYING TURN LIST

A list of turn information from the current position to the destination can be displayed.

1 Select **"Turn List"**.

2 Check that the turn list is displayed.



No.	Information
1	Current position
2	Distance to the next turn
3	Turn direction at the intersection
4	Select to display the map of the selected point.

INFORMATION

- Not all road names on the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through 2 or more cities), the name change will not appear on the list. The street names will be displayed in order from the starting point, along with the distance to the next turn or the destination.

EDITING ROUTE

Destinations can be added, reordered or deleted, and conditions for the route to the destination can be changed.

1 Select **"Edit Route"**.

2 Select the desired item.

No.	Function	Page
1	Select to add destinations.	256
2	Select to delete destinations.	256
3	Select to reorder destinations.	264
4	Select to set route preferences.	265

■ADDING DESTINATIONS

1 Select **“Add”**.

2 Search for an additional destination in the same way as a destination search. (→P.243)

- Up to 5 destinations can be set.

▶When the vehicle is stopped

3 Select the **“Add Destination Here”** at the position in the route which you want to add the destination.

▶While driving

3 Select **“Beginning”** or **“End”**.

■DELETING DESTINATIONS

1 Select **“Delete”**.

2 Select **“Yes”** when the confirmation screen appears.

- If more than one destination has been set, select the destination(s) to be deleted. (The navigation system will recalculate route(s) to the remaining set destination(s).)

A ROUTE FROM THE Toyota Entune CENTER* (VEHICLES WITH DCM)

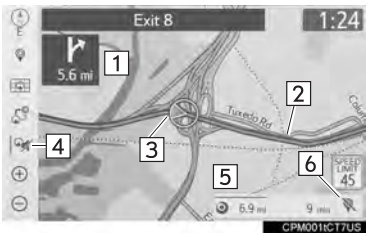
When starting route guidance or re-routing, a route can be provided automatically by the Toyota Entune center. This function is available when dynamic route setting is enabled. (→P.274)

*: This function is not available in some countries and areas.

1. ROUTE GUIDANCE SCREEN

During the route guidance, various types of guidance screens can be displayed depending on conditions.

SCREEN FOR ROUTE GUIDANCE



No.	Information/Function
1	Distance to the next turn and an arrow indicating the turning direction
2	Guidance route
3	Current position
4	Select to mute the voice guidance.
5	Route information (→P.258)
6	Select to delete destination(s). If there is more than 1, the list of destinations will be displayed.

INFORMATION

- If the vehicle goes off the guidance route, the route will be recalculated.
- For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select a road that should not be traveled on.
- When arriving at the set destination, the destination name will be displayed on the upper part of the screen.
- When the automatic zoom function is enabled, the map will automatically change to a detailed map as the vehicle approaches a guidance point. (→P.274)
- Vehicle with head-up display: When the head-up display is set to on, turn-by-turn guidance arrows will be displayed on the windshield.

DISTANCE AND TIME TO DESTINATION

When the vehicle is on the guidance route, the route information bar displays the distance with the estimated travel/arrival time to the destination.

▶When the set destination is 1

1 Select the route information bar to change the display of the route information bar between the estimated travel time and the estimated arrival time.

▶When the set destinations are more than 1

1 Select the route information bar.

2 Check that the list of the distance and time is displayed.

"Arrival Time": Select to display the estimated arrival time.

"Time to Dest.": Select to display the estimated travel time.

- By selecting one of the number buttons, the desired route information is displayed.

INFORMATION

- When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time are calculated based on the average speed of the specified speed limits and current traffic information.
- When the vehicle gets off the guidance route, the arrow facing the destination is displayed instead of the estimated travel/arrival time.
- The route information bar fills from left to right as the vehicle progresses along the route.

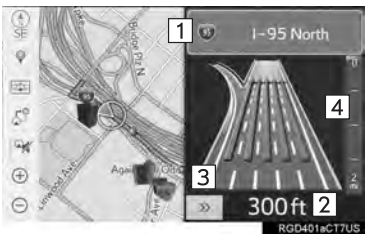
DURING FREEWAY DRIVING

During freeway driving, the freeway exit information screen will be displayed.

No./ Icon	Information/Function
1	Distance from the current position to the freeway exit/rest area
2	Name of the freeway exit/rest area
3	POIs that are close to a freeway exit
4	Select to display the selected map of the exit vicinity.
5	Select to display the nearest freeway exits/rest areas from the current position.
	Select to scroll to farther freeway exits/rest areas.
	Select to scroll to closer freeway exits/rest areas.

WHEN APPROACHING FREEWAY EXIT OR JUNCTION

When the vehicle approaches an exit or junction, the freeway guidance screen will be displayed.



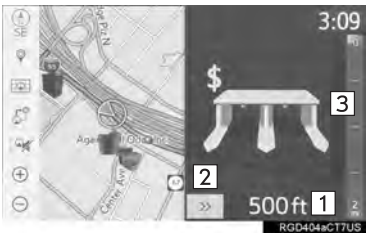
No.	Information/Function
1	Next exit or junction name
2	Distance from the current position to the exit or junction
3	Select to hide the freeway guidance screen. To return to the freeway guidance screen, press the **"MAP"** button.
4	Remaining distance bar to the guidance point

INFORMATION

- This function is available when "Intersection Zoom Map" is set to on. (→P.274)

WHEN APPROACHING TOLLGATE

When the vehicle approaches a tollgate, the tollgate guidance screen will be displayed.



No.	Information/Function
1	Distance from the current position to the tollgate
2	Select to hide the tollgate guidance screen. To return to the tollgate guidance screen, press the **"MAP"** button.
3	Remaining distance bar to the guidance point

INFORMATION

- This function is available when "Intersection Zoom Map" is set to on. (→P.274)

WHEN APPROACHING JUNCTION

When the vehicle approaches a junction, the real freeway junction guidance screen with signage will be displayed.

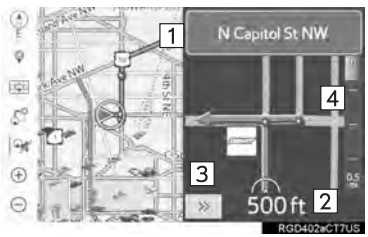
No.	Information/Function
1	Next junction or street name
2	Select to hide the real freeway junction guidance screen. To return to the real freeway junction guidance screen, press the **"MAP"** button.
3	Distance from the current position to the next junction
4	Remaining distance bar to the guidance point

INFORMATION

- This function is available when "Intersection Zoom Map" is set to on. (→P.274)

WHEN APPROACHING AN INTERSECTION

When the vehicle approaches an intersection where it is necessary to turn, the intersection guidance screen will be displayed.



No.	Information/Function
1	Next street name
2	Distance to the intersection
3	Select to hide the intersection guidance screen. To return to the intersection guidance screen, press the **"MAP"** button.
4	Remaining distance bar to the guidance point

INFORMATION

- This function is available when "Intersection Zoom Map" is set to on. (→P.274)

TURN LIST SCREEN

1 Select **"Turn List"** on the map mode screen. (→P.236)

2 Check that the turn list screen is displayed.

No.	Information/Function
1	Turn direction
2	Distance between turns
3	Next street or destination name

TURN-BY-TURN ARROW SCREEN

On this screen, information about the next turn on the guidance route can be displayed.

1 Select **"Turn-by-Turn Arrow"** on the map mode screen. (→P.236)

2 Check that the turn-by-turn arrow screen is displayed.

No.	Information/Function
1	Exit number or street name
2	Turn direction
3	Distance to the next turn

2. TYPICAL VOICE GUIDANCE PROMPTS

As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the navigation system's voice guidance will provide various messages.

WARNING

- Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads. The route guidance may not have the updated information such as the direction of a one way street.

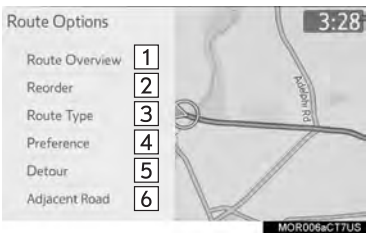
INFORMATION

- If a voice guidance command cannot be heard, press the **"MAP"** button to hear it again.
- To adjust the voice guidance volume: →P.68
- To mute the voice guidance: →P.257
- Voice guidance may be made early or late.
- If the navigation system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.

3. ROUTE OPTIONS OPERATION

1 Select on the map screen. (→P.230)

2 Select the desired item to be set.



No.	Function	Page
1	Select to display the overview of the entire route.	253
2	Select to reorder destinations.	264
3	Select to change route type.	265
4	Select to set route preferences.	265
5	Select to set detours.	266
6	Select to start from adjacent road.	267

- To hide the route options screen, touch any part of the map screen.

3 Check that the route overview is displayed. (→P.253)

REORDERING DESTINATIONS

When more than 1 destination has been set, the arrival order of the destinations can be changed.

1 Select on the map screen. (→P.230)

2 Select **"Reorder"**.

3 Select the desired destination and select **"Move Up"** or **"Move Down"** to change the arrival order. Then select **"OK"**.

SETTING ROUTE PREFERENCES

The conditions to determine the route can be selected from various choices such as freeways, toll roads, ferries, etc.

1 Select on the map screen. (→P.230)

2 Select **"Preference"**.

3 Select the desired route preferences and select **"OK"**.

INFORMATION

- Even if the "Freeways" route preference is turned off, the route may not be able to avoid freeways in some cases.
- If the calculated route includes a trip by ferry, the route guidance shows a sea route. After traveling by ferry, the current position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

SELECTING ROUTE TYPE

1 Select on the map screen. (→P.230)

2 Select **"Route Type"**.

3 Select the desired route type.

- The entire route from the starting point to the destination is displayed. (→P.253)
- During driving, the route guidance starts after selecting the desired route type.

DETOUR SETTING

During the route guidance, the route can be changed to detour around a section of the route where a delay is caused by road repairs, an accident, etc.

1 Select on the map screen. (→P.230)

2 Select **"Detour"**.

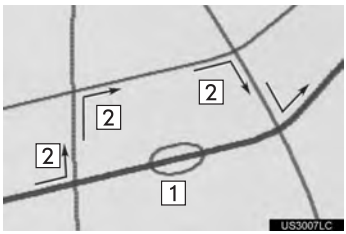
3 Select the desired detour distance.

No.	Function
1	Select to detour within 1 mile of the current position.
2	Select to detour within 3 miles of the current position.
3	Select to detour within 5 miles of the current position.
4	Select to detour on the entire route.
5*	Select to make the navigation system search for the route based on traffic congestion information received from traffic information. (→P.240)

*: This function is not available in some countries and areas.

INFORMATION

- This picture shows an example of how the navigation system would guide around a delay caused by a traffic jam.



1 This position indicates the location of a traffic jam caused by road repairs, an accident, etc.

2 This route indicates the detour suggested by the navigation system.

- When the vehicle is on a freeway, the detour distance selections are 5, 15 and 25 miles (or 5, 15 and 25 km if units are in km).
- The navigation system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.

ADJACENT ROAD

When a freeway and a surface road run in parallel, the navigation system may show the guidance route going on the freeway while driving on the surface road, or vice versa.

If this happens, you can instantly choose the adjacent road for the route guidance.

1 Select on the map screen. (→P.230)

2 Select **"Adjacent Road"**.

INFORMATION

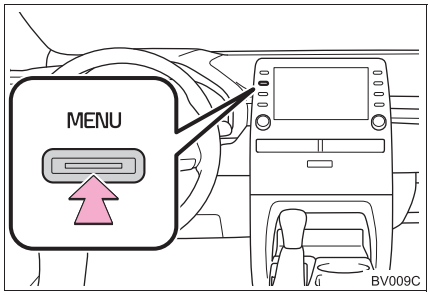
- When there is no adjacent road, this screen button will not be displayed.

1. MEMORY POINTS SETTINGS

Home, Favorites, areas to avoid can be set as memory points. The registered points can be used as the destinations. (→P.243)

Registered areas to avoid, will be avoided when the navigation system searches for a route.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

3 Select **"Navigation"**.

4 Select the desired item to be set.

No.	Function	Page
1	Select to set home.	269
2	Select to set the favorites list.	270
3	Select to set areas to avoid.	272
4	Select to set detailed navigation settings.	274

INFORMATION

- When **"Useful Navi. Information Settings"** is displayed on the screen: →P.283

SETTING UP HOME

If home has been registered, that information can be recalled by selecting on the destination screen. (→P.245)

1 Display the navigation settings screen. (→P.268)

2 Select **"Home"**.

3 Select the desired item to be set.

No.	Function	Page
1	Select to register home.	269
2	Select to edit home.	269
3	Select to delete home.	269

REGISTERING HOME

1 Select **"Save Home"**.

2 Select the desired item to search for the location. (→P.243).

3 Select **"OK"**.

EDITING HOME

1 Select **"Edit"**.

2 Select the desired item to be edited.

No.	Function	Page
1	Select to edit the home name.	271
2	Select to set display of the home name on/off.	—
3	Select to edit location information.	271
4	Select to change the icon to be displayed on the map screen.	271

3 Select **"OK"**.

DELETING HOME

1 Select **"Delete"**.

2 Select **"Yes"** when the confirmation screen appears.

SETTING UP FAVORITES LIST

Points on the map can be registered.

1 Display the navigation settings screen. (→P.268)

2 Select **"Favorites"**.

3 Select the desired item.

No.	Function	Page
1	Select to register favorites list entry.	270
2	Select to edit favorites list entry.	270
3	Select to delete favorites list entry.	271

REGISTERING FAVORITE LIST ENTRIES

1 Select **"New"**.

2 Select the desired item to search for the location. (→P.243)

3 Select **"OK"** when the edit favorites entry screen appears. (→P.270)

INFORMATION

- Up to 100 favorites list entries can be registered.

EDITING FAVORITE LIST ENTRIES

The icon, name, location and/or phone number of a registered favorites list entry can be edited.

1 Select **"Edit"**.

2 Select the desired favorites list entry.

- Each time a star icon is selected, its color will change. Colored star icons indicate that the favorite is registered to the corresponding preset destination button. Up to 2 entries can be registered as quick favorite destinations. (→P.251)

3 Select the desired item to be edited.

No.	Function	Page
1	Select to edit the favorites list entry name.	271
2	Select to set display of the favorites list entry name on/off.	—
3	Select to edit location information.	271
4	Select to edit the phone number.	271
5	Select to change the icon to be displayed on the map screen.	271

4 Select **"OK"**.

CHANGING THE NAME

1 Select **"Name"**.

2 Enter a name and select **"OK"**.

CHANGING THE LOCATION

1 Select **"Location"**.

2 Scroll the map to the desired point (→P.234) and select **"OK"**.

CHANGING PHONE NUMBER

1 Select **"Phone #"**.

2 Enter the phone number and select **"OK"**.

CHANGING THE ICON

1 Select **"Icon"**.

2 Select the desired icon.

"Page 1"/"Page 2": Select to change pages.

"With Sound": Select the desired icons with sound

▶When **"With Sound"** is selected

A sound for some favorites list entries can be set. When the vehicle approaches the location of the favorites list entry, the selected sound will be heard.

1 Select **"With Sound"**.

2 Select the desired sound icon.

: Select to play the sound.

INFORMATION

- When **"Bell (with Direction)"** is selected, select an arrow to adjust the direction and select **"OK"**.
- The bell sounds only when the vehicle approaches this point in the direction that has been set.

DELETING FAVORITE LIST ENTRIES

1 Select **"Delete"**.

2 Select the desired item to be deleted.

"Sort/Delete All": Select to sort (date, name, icon) or delete all favorite list entries.

3 Select **"Yes"** when the confirmation screen appears.

SETTING UP AREAS TO AVOID

Areas to be avoided because of traffic jams, construction work or other reasons can be registered as “Areas to Avoid”.

1 Display the navigation settings screen. (→P.268)

2 Select **“Areas to Avoid”**.

3 Select the desired item.

No.	Function	Page
1	Select to register areas to avoid.	272
2	Select to edit areas to avoid.	273
3	Select to delete areas to avoid.	273

REGISTERING AREAS TO AVOID

1 Select **“New”**.

2 Select the desired item to search for the location. (→P.243)

3 Select either ^ or v to change the size of the area to be avoided and select **“OK”**.

4 Select **“OK”** when the area to avoid screen appears.

INFORMATION

- If a destination is entered in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.
- Up to 10 locations can be registered as points/areas to avoid.

EDITING AREAS TO AVOID

The name, location and/or area size of a registered area can be edited.

1 Select **"Edit"**.

2 Select the desired area.

3 Select the desired item to be edited.

No.	Function	Page
1	Select to edit the name of the area to avoid.	273
2	Select to set display of the area to avoid name on/off.	—
3	Select to edit area location.	273
4	Select to edit area size.	273
5	Select to set the area to avoid function on/off.	—

4 Select **"OK"**.

CHANGING THE NAME

1 Select **"Name"**.

2 Enter a name and select **"OK"**.

CHANGING THE LOCATION

1 Select **"Location"**.

2 Scroll the map to the desired point (→P.234) and select **"OK"**.

CHANGING THE AREA SIZE

1 Select **"Size"**.

2 Select either ^ or v to change the size of the area to be avoided and select **"OK"**.

DELETING AREAS TO AVOID

1 Select **"Delete"**.

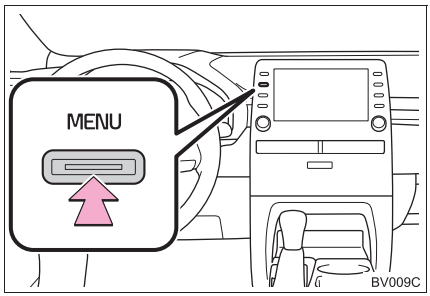
2 Select the desired area to be deleted.

3 Select **"Yes"** when the confirmation screen appears.

1. DETAILED NAVIGATION SETTINGS

Settings are available for pop-up information, favorite POI categories, low fuel warning, etc.

1 Press the **"MENU"** button.



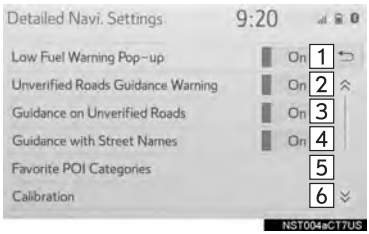
2 Select **"Setup"**.

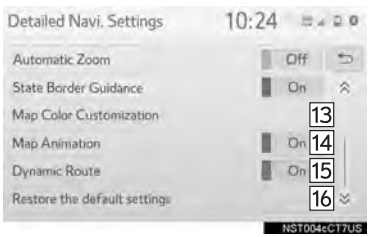
3 Select **"Navigation"**.

4 Select **"Detailed Navi. Settings"**.

5 Select the desired items to be set.

SCREENS FOR NAVIGATION SETTINGS





No.	Function	Page
1	Select to set display of low fuel warning on/off.	277
2	Select to set unverified roads guidance warning on/off.	—
3	Select to set IPD road (roads that are not completely digitized in our database) guidance on/off.	—
4	Select to set the voice guidance for the next street name on/off.	—
5	Select to set favorite POI categories that are used for POI selection to display on the map screen.	276
6	Select to adjust the current position mark manually or to adjust miscalculation of the distance caused by tire replacement.	276
7	Select to enable/disable adaptive routes. When enabled, the navigation system will provide frequently used routes.	—
8	Select to erase adaptive route data.	—
9	Select to set automatic destination list info on/off. When set to on, the estimated time of arrival to the registered home and preset destinations from the current position will be displayed.	—
10	Select to set display of a guidance screen on/off.	—
11	Select to set automatic zoom function on/off. When it is enabled, as the vehicle approaches a guidance point, the map will change to a detailed map automatically.	—
12	Select to set cross-border guidance on/off.	—
13	Select to set the map display color.	—
14	Select to set map animation on/off.	—
15*	Select to enable/disable routes sourced from the Toyota Entune center.	256
16	Select to reset all setup items.	—

*: This function is not available in some countries and areas.

FAVORITE POI CATEGORIES (SELECT POI ICONS)

Up to 6 POI icons, which are used for selecting POIs on the map screen, can be selected as favorites.

1 Display the detailed navigation settings screen. (→P.274)

2 Select **"Favorite POI Categories"**.

3 Select the desired category to be changed.

"Default": Select to set the default categories.

4 Select the desired POI category.

"List All Categories": Select to display all POI categories.

5 Select the desired POI icon.

6 Select **"OK"**.

CURRENT POSITION/TIRE CHANGE CALIBRATION

1 Display the detailed navigation settings screen. (→P.274)

2 Select **"Calibration"**.

3 Select the desired item.

"Position/Direction": →P.277

"Tire Change": →P.277

- For additional information on the accuracy of a current position: →P.284

POSITION/DIRECTION CALIBRATION

When driving, the current position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, the current position mark can be adjusted manually.

1 Select **"Position/Direction"**.

2 Scroll the map to the desired point (→P.234) and select **"OK"**.

3 Select an arrow to adjust the direction of the current position mark and select **"OK"**.

TIRE CHANGE CALIBRATION

The tire change calibration function will be used when replacing the tires. This function will adjust miscalculation caused by the circumference difference between the old and new tires.

1 Select **"Tire Change"**.

- The message appears and the quick distance calibration starts automatically.

INFORMATION

- If this procedure is not performed when the tires are replaced, the current position mark may be incorrectly displayed.

LOW FUEL WARNING

When the fuel level is low, a warning message will pop up on the screen.

1 Display the detailed navigation settings screen. (→P.274)

2 Select **"Low Fuel Warning Pop-up"**.

3 Select **"On"** or **"Off"**.

SEARCHING GAS STATION IN LOW FUEL WARNING

A nearby gas station can be selected as a destination when the fuel level is low.

1 Select **"Yes"** when the low fuel warning appears.

2 Select the desired nearby gas station.

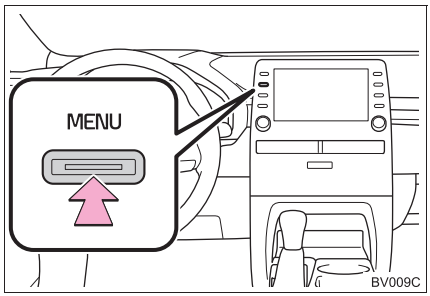
3 Select **"Enter"** to set as a destination.

"Info": Select to display gas station information. (→P.235)

2. TRAFFIC SETTINGS*

Traffic information such as traffic congestion or traffic incident warnings can be made available.

1 Press the **"MENU"** button.

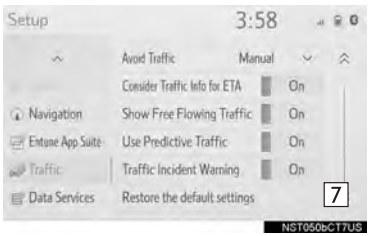


2 Select **"Setup"**.

3 Select **"Traffic"**.

4 Select the desired items to be set.

SCREEN FOR TRAFFIC SETTINGS



No.	Function
1	Select to set specific routes (such as frequently used routes) on which you wish to receive traffic information. (→P.280)
2	Select to set the avoid traffic function auto/manual. (→P.279)
3	Select to set the usage of traffic information for the estimated arrival time on/off.
4	Select to set the display of an arrow of free flowing traffic on/off.
5	Select to set to on/off whether to consider the predictive traffic information (→P.241) with estimated arrival time and detoured route search.
6	Select to set traffic incident voice warning on/off.
7	Select to reset all setup items.

*: This function is not available in some countries and areas.

AVOID TRAFFIC

1 Display the traffic setting screen. (→P.278)

2 Select **"Avoid Traffic"**.

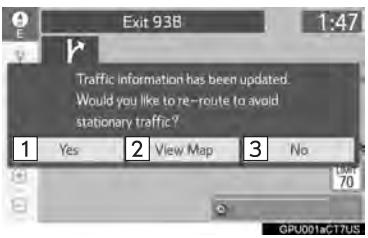
3 Select the desired item.

No.	Function
1	Select to automatically change routes when congestion information of the guidance route has been received.
2	Select to select manually whether or not to change routes when congestion information of the guidance route has been received. In this mode, a screen will appear to ask if you wish to reroute.
3	Select to not reroute when congestion information for the guidance route has been received.

CHANGING THE ROUTE MANUALLY

When the navigation system calculates a new route, the following screen will be displayed.

1 Select the desired item.



No.	Function
1	Select to start route guidance using the new route.
2	Select to confirm the new route and current route on the map.
3	Select to continue the current route guidance.

MY TRAFFIC ROUTES

Specific routes (such as frequently used routes) on which you wish to receive traffic information can be registered as “My Traffic Routes”. A route is set by defining a start point and end point, and can be adjusted by setting up to 2 preferred roads.

1 Display the traffic setting screen. (→P.278)

2 Select **“My Traffic Routes”**.

3 Select the desired item.

No.	Function	Page
1	Select to register personal traffic routes.	280
2	Select to edit personal traffic routes.	281
3	Select to delete personal traffic routes.	281

REGISTERING PERSONAL TRAFFIC ROUTES

1 Select **“New”**.

2 Select **“Name”**.

3 Enter the name and select **“OK”**.

4 Select **“Start”**.

5 Select the desired item to search for the location. (→P.243)

6 Select **“End”**.

7 Select the desired item to search for the location. (→P.243)

8 Select **“OK”**.

9 Confirm the route overview displayed.

No.	Function	Page
1	Select the desired route from 3 possible routes.	254
2	Select to modify the route. The routes can be adjusted by setting preferred roads.	281

10 Select **“OK”**.

INFORMATION

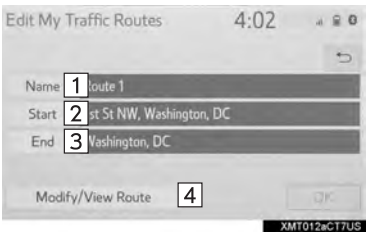
- Up to 5 routes can be registered.

EDITING PERSONAL TRAFFIC ROUTES

1 Select **“Edit”**.

2 Select the desired traffic route.

3 Select the desired item to be edited.



No.	Function	Page
1	Select to edit the name of the personal traffic route.	280
2	Select to edit start location.	
3	Select to edit end location.	
4	Select to see and modify the entire route.	281

4 Select **“OK”**.

5 Follow the steps in “REGISTERING PERSONAL TRAFFIC ROUTES” from “STEP 9”. (→P.280)

DELETING PERSONAL TRAFFIC ROUTES

1 Select **“Delete”**.

2 Select the desired traffic route to be deleted and select **“Delete”**.

3 Select **“Yes”** when the confirmation screen appears.

SETTING PREFERRED ROADS

“My Traffic Routes” can be adjusted by setting up to 2 preferred roads.

1 Select **“Set Preferred Roads”**.

2 Select the desired item.

No.	Function	Page
1	Select to add preferred roads.	282
2	Select to modify preferred roads.	282
3	Select to delete preferred roads.	282

■ADDING PREFERRED ROADS

1 Select **“Add”**.

2 Scroll the map to the desired point (→P.234) and select **“OK”**.

3 Select **“OK”** to use this road.

“Next”: Select to change road.

▶Available only when 1 preferred road is set

4 Select **“Add Here”** for the desired location.

- If a preferred road is already set, a second preferred road can be added anywhere between the start point, the end point and the existing preferred road.

■MODIFYING PREFERRED ROADS

1 Select **“Modify”**.

2 Select the desired preferred road to be modified if 2 preferred roads have been set.

3 Scroll the map to the desired point (→P.234) and select **“OK”**.

4 Select **“OK”** to use this road.

“Next”: Select to change road.

■DELETING PREFERRED ROADS

1 Select **“Delete”**.

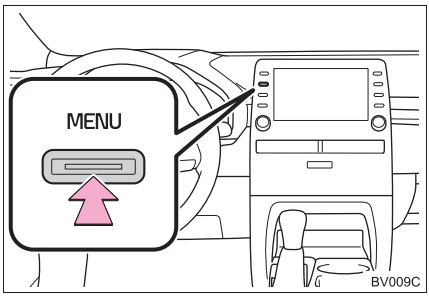
2 Select the desired preferred road to be deleted if 2 preferred roads have been set.

3 Select **“Yes”** when the confirmation screen appears.

3. USE OF INFORMATION ACCUMULATED BY NAVIGATION SYSTEM* (VEHICLES WITH DCM)

When enabled, information collected by the navigation system will be analyzed to give advice for safe driving.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

3 Select **"Navigation"**.

4 Select **"Useful Navi. Information Settings"**.

5 Select the desired items to be set.

*: This function may not be available immediately after purchase of the vehicle.

1. GPS (GLOBAL POSITIONING SYSTEM)

LIMITATIONS OF THE NAVIGATION SYSTEM

This navigation system calculates the current position using satellite signals, various vehicle signals, map data, etc. However, an accurate position may not be shown depending on satellite conditions, road configuration, vehicle condition or other circumstances.

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current position, normally using 4 or more satellites, and in some case 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system compensates for this most of the time, occasional positioning errors of up to 300 ft. (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map screen. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.

NOTICE

- The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception of the antenna in the instrument panel. We advise against the use of window tinting on vehicles equipped with navigation systems.

- Accurate current position may not be shown in the following cases:
  - When driving on a small angled Y-shaped road.
  - When driving on a winding road.
  - When driving on a slippery road such as in sand, gravel, snow, etc.
  - When driving on a long straight road.
  - When freeway and surface streets run in parallel.
  - After moving by ferry or vehicle carrier.
  - When a long route is searched during high speed driving.
  - When driving without setting the current position calibration correctly.
  - After repeating a change of direction by going forward and backward, or turning on a turntable in a parking lot.
  - When leaving a covered parking lot or parking garage.
  - When a roof carrier is installed.
  - When driving with tire chains installed.
  - When the tires are worn.
  - After replacing a tire or tires.
  - When using tires that are smaller or larger than the factory specifications.
  - When the tire pressure in any of the 4 tires is not correct.

- If the vehicle cannot receive GPS signals, the current position can be adjusted manually. For information on setting the current position calibration: →P.276

- Inappropriate route guidance may occur in the following cases:
  - When turning at an intersection off the designated route guidance.
  - If you set more than 1 destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
  - When turning at an intersection for which there is no route guidance.
  - When passing through an intersection for which there is no route guidance.
  - During auto reroute, the route guidance may not be available for the next turn to the right or left.
  - During high speed driving, it may take a long time for auto reroute to operate. In auto reroute, a detour route may be shown.
  - After auto reroute, the route may not be changed.
  - If an unnecessary U-turn is shown or announced.
  - If a location has multiple names and the system announces 1 or more of them.
  - When a route cannot be searched.
  - If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
  - Your destination point might be shown on the opposite side of the street.
  - When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
  - The road and map data stored in the navigation system may not be complete or may not be the latest version.

- After replacing a tire: →P.277

INFORMATION

- This navigation system uses tire turning data and is designed to work with factory-specified tires for the vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current position. The tire pressure also affects the diameter of the tires, so make sure that the tire pressure of all 4 tires is correct.

2. MAP DATABASE VERSION AND COVERED AREA

MAP INFORMATION

Coverage areas and legal information can be displayed and map data can be updated.

1 Select on the map screen. (→P.230)

2 Select **"Map Data"**.

3 Check that the map data screen is displayed.

No.	Information/Function
1	Map version
2	Select to display map coverage areas.
3	Select to display legal information.
4	Expiration date of temporary updates of the map and a route from the Toyota Entune center. When "***" is displayed for the expiration date, the validity period has not yet been set for the service. The validity period will be set automatically. Map updates are available even before the period is set.
5	Select to update map.

INFORMATION

- For map data updates, contact your Toyota dealer.

TEMPORARY UPDATES OF THE MAP* (VEHICLES WITH DCM)

If the map data has been provided from the Toyota Entune center for any of the following areas and the map data in the navigation system is older than what has been provided, the displayed map will be updated temporarily:

- Areas around the area displayed on the map screen
  (example: areas around current position)
- Areas around destinations
- Areas along the set route

INFORMATION

- The updated data will temporarily be saved in the navigation system.
- If temporary update data exceeds the available memory in the temporary map cache, the oldest data will be deleted.
- The temporary map data will disappear when the expiration date has passed.

*: This function is not available in some countries and areas.

9

Toyota Entune

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1. FUNCTIONAL OVERVIEW

Toyota Entune is a service that includes Toyota Entune App Suite Connect, Destination Assist Connect, Toyota Entune Service Connect, Dynamic Navigation, Wi-Fi® Hotspot, Safety Connect, and Toyota Entune Remote Connect.

- The functions included in Toyota Entune are classified into the following three types.

Type A: Function achieved by using a smart phone or an embedded cellular device in the vehicle (DCM: Data Communication Module)

Type B: Function achieved by using DCM and the system

Type C: Function achieved by using DCM

Type	Function	Page
Type A	Toyota Entune App Suite Connect	300
Type B	Destination Assist Connect	296
	Toyota Entune Service Connect	295
	Dynamic Navigation	245, 256, 286
	Wi-Fi® Hotspot	55
Type C	Safety Connect	297
	Toyota Entune Remote Connect	299

INFORMATION

- Each function is available in the following areas:
  - Toyota Entune App Suite Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii, Puerto Rico and Canada.
  - Toyota Entune App Suite Connect is not available in the United States Virgin Islands.
  - Destination Assist Connect is available in the contiguous United States, Washington D.C., Puerto Rico, Hawaii, Canada, and limited areas of Alaska for vehicles that contain the appropriate map data.
  - Destination Assist Connect is not available in the United States Virgin Islands.
  - Toyota Entune Service Connect is available in the contiguous United States, Washington D.C., and Alaska.
  - Toyota Entune Service Connect is not available in Puerto Rico, Canada, and the United States Virgin Islands.
  - Dynamic Navigation is available in the contiguous United States, Washington D.C. and Alaska.
  - Dynamic Navigation is not available in Puerto Rico, Canada, and in the United States Virgin Islands.
  - Wi-Fi® Hotspot is available in the contiguous United States, Washington D.C., Alaska and Hawaii.
  - Wi-Fi® Hotspot is not available in Puerto Rico, Canada, and in the United States Virgin Islands.
  - Safety Connect features include:
    Automatic Collision Notification, Emergency Assistance, S.O.S, Stolen Vehicle Location (available in the contiguous United States, Washington D.C., Hawaii, Alaska, Puerto Rico and Canada) and Enhanced Roadside Assistance (available in the contiguous United States, Washington D.C., Alaska, Puerto Rico and Canada).
  - Safety Connect is not available in the United States Virgin Islands.
  - Toyota Entune Remote Connect is available in the contiguous United States, Washington D.C. and Alaska.
  - Toyota Entune Remote Connect is not available in Puerto Rico, Canada, and in the United States Virgin Islands.
- Availability of functions of the Toyota Entune is dependent on network reception level.

2. TYPE A: FUNCTION ACHIEVED BY USING A SMART PHONE OR DCM

Of the functions included with Toyota Entune, the Toyota Entune App Suite Connect relies on the use of a smart phone or DCM.

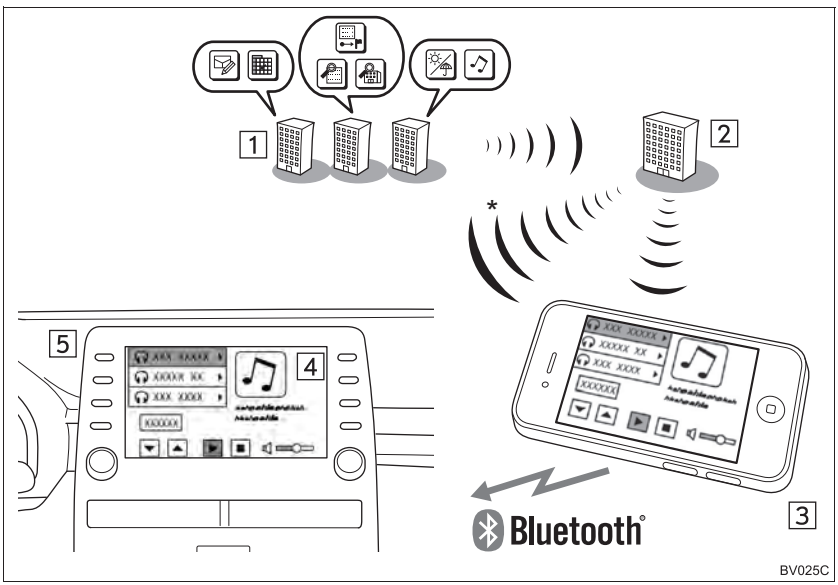
▶Using a smart phone

- Toyota Entune App Suite Connect enables applicable apps installed on a smart phone to be displayed on and operated from the screen via a Bluetooth®.

▶Via DCM

- Toyota Entune App Suite Connect enables applicable apps installed on the system to be displayed on and operated from the screen.

A few settings must be performed before Toyota Entune App Suite Connect can be used. (→P.293)



*: via DCM

No.	Name	Function
1	Content provider	Provides contents to the application server.
2	Application server	Provides applications to the system or a smart phone.
3	Smart phone*	Using the Toyota Entune App Suite Connect, communication is relayed between the system, application server and contents provider. The smart phone cannot be operated while communicating.
4	Applications	Display usable content from the content providers on the screen using the data connection of the connected smart phone or DCM.
5	System	Content received, via a smart phone or DCM, from content provider servers is displayed on the screen. The system is equipped with an application player to run applications.

*: For known compatible phones, refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.

BEFORE USING THE FUNCTION

The required operations to activate applications and connect a smart phone to the system, and the registration steps for the Toyota Entune App Suite Connect are explained in this section.

SUBSCRIPTION

- User registration is required to start using the Toyota Entune App Suite Connect function. (→P.293)
- Toyota Entune App Suite Connect does not require an activation fee or monthly recurring fees.
- Services requiring a separate contract can also be used.*

*: For details, refer to http://www.toyota.com/Entune/ or call 1-800-331-4331 in the United States, http://www.toyota.ca/entune or call 1-888-869-6828 in Canada, and http://www.toyotapr.com/entune or call 1-877-855-8377 in Puerto Rico.

AVAILABILITY OF FUNCTION

- Toyota Entune App Suite Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii, Puerto Rico and Canada.
- Toyota Entune App Suite Connect is not available in the United States Virgin Islands.

INFORMATION

- Data usage fees may apply while using Toyota Entune App Suite Connect function. Confirm data usage fees before using this function.
- For details regarding operation of the Toyota Entune App Suite Connect and the applications, refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.
- These functions are not made available in some countries or areas. Availability of functions of the Toyota Entune App Suite Connect service is dependent on network reception level.

INITIALIZING PERSONAL DATA

The personal data used in applications can be reset. (→P.66)

- The following personal data can be deleted and returned to their default settings:
  - Downloaded contents
  - Radio stations that were listened to

INFORMATION

- Once initialized, the data and settings will be erased. Pay much attention when initializing the data.

PREPARATION BEFORE USING Toyota Entune App Suite Connect

SETTINGS REQUIRED TO USE Toyota Entune App Suite Connect

Perform the settings in the following order.

1 User registration

↓

2 Download the Toyota Entune App Suite Connect application to your smart phone or the system.

↓

3 Register the smart phone with the system.

In order to use Toyota Entune App Suite Connect, the following must first be performed:

- User registration with the service (→P.293)
- Download the Toyota Entune App Suite Connect application onto your smart phone or the system, and login to the application. (→P.293)
- Register the smart phone, on which the Toyota Entune App Suite Connect application was installed, with the system. (→P.293)
- Register a Bluetooth® phone with the hands-free system. (→P.43)

USER REGISTRATION

- Perform user registration at http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico, or register within the Toyota Entune App Suite Connect application after you download it onto your smart phone.

REGISTERING THE Toyota Entune App Suite Connect APPLICATION

1 Download the Toyota Entune App Suite Connect application to your smart phone or the system.

2 Run the Toyota Entune App Suite Connect application on your smart phone or the system.

3 Enter the information required into the Toyota Entune App Suite Connect application. Login to the application.

INFORMATION

- Applications can only be used when the Toyota Entune App Suite Connect application has been downloaded to your smart phone or the system, and the application is running.
- Toyota Entune App Suite Connect operational procedures can also be confirmed by visiting http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.
- If a Toyota Entune App Suite Connect application is used while iPod audio/video is being played back, system operation may become unstable.

3. TYPE B: FUNCTION ACHIEVED BY USING DCM AND THE SYSTEM*

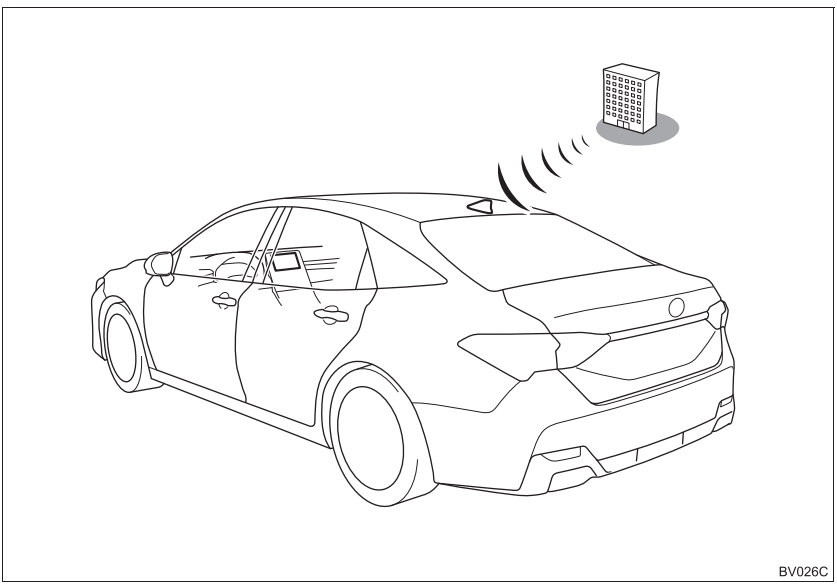
The functionality of Destination Assist Connect, Toyota Entune Service Connect, Dynamic Navigation, and Wi-Fi® Hotspot is made possible through the shared work of the DCM and the system.

These are subscription-based telematics services that use Global Positioning System (GPS) data and embedded cellular technology to provide safety and security as well as convenience features.

These services are available by subscription on select, telematics hardware-equipped vehicles and supported by the Toyota Entune center, which operates 24 hours a day, 7 days a week.

For details about:

- Dynamic Navigation →P.245, 256, 286
- Wi-Fi® Hotspot →P.55



*: Vehicles with DCM

BEFORE USING THE FUNCTION

SUBSCRIPTION

- After you have signed the Telematics Subscription Service Agreement and are enrolled, you can begin receiving services. A variety of subscription terms are available. Contact your Toyota dealer, or call 1-800-331-4331 in the United States, 1-888-869-6828 in Canada, and 1-877-855-8377 in Puerto Rico, for further subscription details. (→P.292)

AVAILABILITY OF FUNCTIONS

- Destination Assist Connect is available in the contiguous United States, Washington D.C., Puerto Rico, Hawaii, Canada, and limited areas of Alaska for vehicles that contain the appropriate map data.
- Destination Assist Connect is not available in the United States Virgin Islands.
- Dynamic Navigation is available in the contiguous United States, Washington D.C. and Alaska.
- Dynamic Navigation is not available in Puerto Rico, Canada, and in the United States Virgin Islands.
- Wi-Fi® Hotspot is available in the contiguous United States, Washington D.C., Alaska and Hawaii.
- Wi-Fi® Hotspot is not available in Puerto Rico, Canada, and in the United States Virgin Islands.

INFORMATION

- Availability of functions of the Toyota Entune Service Connect is dependent on network reception level.

Toyota Entune Service Connect

Toyota Entune Service Connect uses DCM to collect and transmit vehicle data that allows Toyota to provide:

- Vehicle Health Report (VHR) (Safety Recalls, Service Campaigns, Current Vehicle Alerts, Required Maintenance, and Vehicle Condition Status)
- Maintenance Notifications
- Vehicle Alert Notifications

For details about this service and how to register, refer to http://www.toyota.com/Entune/.

AVAILABILITY OF FUNCTION

- Toyota Entune Service Connect is available in the contiguous United States, Washington D.C., and Alaska.
- Toyota Entune Service Connect is not available in Puerto Rico, Canada, and the United States Virgin Islands.

Destination Assist Connect*

Destination Assist Connect provides you with live assistance for finding destinations via the Toyota Entune center. You can request either a specific business, address, or ask for help locating your desired destination by category, such as restaurants, gas stations, shopping centers or other Points of Interest (POI).

After you tell the agent your choice of destination, its coordinates are sent wirelessly to your vehicle's navigation system.

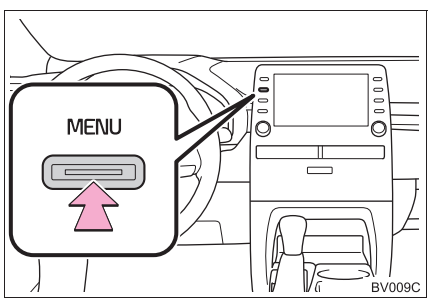
INFORMATION

- The hands-free system cannot be used while Destination Assist Connect is being used.

MAKE A CALL WITH Destination Assist Connect

▶From the **"MENU"** button

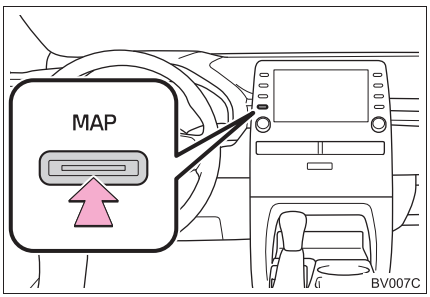
1 Press the **"MENU"** button.



2 Select **"Destination"**.

▶From the **"MAP"** button

1 Press the **"MAP"** button.



2 Select .

3 Select **"Dest Assist"**.

4 When an agent comes on the line, tell the agent the address, business name, or the type of POI or service.

- To adjust the call volume, select **"-"** or **"+"**, or use the volume switch on the steering wheel during the call.
- To hang up the phone, select **"End"** or press the switch on the steering wheel.

5 After the agent helps you determine your location of choice, select the screen button of the desired action.

"Save": Select to register as a memory point.

"Go": Select to set as a destination.

:Select to call the registered number.

*: Entune Premium Audio only

4. TYPE C: FUNCTION ACHIEVED BY USING DCM*

Safety Connect

The functionality of Safety Connect is made possible by the use of a DCM.
For details, refer to “OWNER’S MANUAL”.

INFORMATION

- Free/Open Source Software Information
  This product contains Free/Open Source Software (FOSS).
  The license information and/or the source code of such FOSS can be found at the following URL. https://www.toyota.com/opensource/dcm
- Exposure to radio frequency signals:
  The Toyota Entune system installed in your vehicle includes a low power radio transmitter and receiver. The system receives and also sends out radio frequency (RF) signals.
- In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for mobile wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies.
  - ANSI (American National Standards Institute) C95.1 [1992]
  - NCRP (National Council on Radiation Protection and Measurement) Report 86 [1986]
  - ICNIRP (International Commission on Non-Ionizing Radiation Protection) [1996]
- These standards are based on comprehensive and periodic evaluations of the relevant scientific literature. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).
- The design of Toyota Entune system complies with the FCC guidelines in addition to those standards.
- Contact with the Toyota Entune center is dependent upon the telematics device being in operative condition, cellular connection availability, navigation map data, and GPS satellite signal reception, which can limit the ability to reach the Toyota Entune center or receive support. Enrollment and Telematics Subscription Service Agreement required. A variety of subscription terms are available; charges vary by subscription term selected.
- The Toyota Entune center offers support in multiple languages.
- Select Safety Connect-subscribed vehicles are capable of communicating vehicle information. Please see the terms and conditions for additional details.
  Owners who do not wish to have their vehicle transmit this information can opt out at the time of enrollment or by calling 1-800-331-4331 in the United States, 1-888-869-6828 in Canada, and 1-877-855-8377 in Puerto Rico, and following the prompts for Safety Connect.
- For further details about the service, contact your Toyota dealer.
- Toyota Entune functions are not subject to section 255 of the Telecommunications Act and the system is not TTY compatible.

*: Vehicles with DCM

ACTIVATION OF FUNCTION(S)

- Enrollment in Safety Connect (via your dealership) is required to activate all functions.

FCC ID: LHJ-TVN
IC: 2807E-TVN

FCC/IC WARNING:
Changes or modifications not expressly approved by the manufacture could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
This equipment complies with IC RSS-102 radiation exposure limits set forth for uncontrolled environment.
The antennas used for this transmitter must be installed to provide a separation distance of least 20cm from all persons.

FCC/IC AVERTISSEMENT:
L'utilisateur est averti que les changements ou modifications non express ément approuvés par le fabricant pourraient annuler l'autorité de l'utilisateur à utiliser l'équipement.
Ce appareil est compatible avec la Partie 15 du règlement FCC et de la Licence de l'industrie canadienne et des normes exemptes de RSS. Opé ration soumise aux deux conditions suivantes :
(1) ce appareil ne doit pas causer des interférences nuisibles, et
(2) cet appareil doit accepté toutes les interférences, y compris les interférences qui peuvent entraîner un fonctionnement indésirable de l'appareil.
Cet appareil est compatible aux limites d'exposition aux radiation IC RSS-102 définies pour un environnement non contrôlé.
Les antennes utilisées pour cet émetteur doivent être installées à une distance d'au moins 20 cm de toutes les personnes.

Toyota Entune Remote Connect

Toyota Entune Remote Connect is a smart phone application that lets you view and remotely control certain aspects of your vehicle.
For details about the functions and services of this application, refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.

SUBSCRIPTION

- After you sign the Telematics Subscription Service Agreement (see the Safety Connect section in “OWNER’S MANUAL”), download the Toyota Entune Remote Connect app from your smart phone’s app store, and register within the app (or enroll and complete registration at the dealer), you can begin using these services.
- A variety of subscription terms are available. Contact your Toyota dealer, or call 1-800-331-4331 for further subscription details.

AVAILABILITY OF FUNCTION

- Toyota Entune Remote Connect is available in the contiguous United States, Washington D.C. and Alaska.
- Toyota Entune Remote Connect is not available in Puerto Rico, Canada, and in the United States Virgin Islands.

INFORMATION

- Availability of functions of the Toyota Entune Remote Connect service is dependent on network reception level.
- Toyota Entune Remote Connect should only be used by authorized users.
- Laws in some communities may require that the vehicle be within view of the user when operating Toyota Entune Remote Connect.
  In some states, use of Toyota Entune Remote Connect may violate state or local laws. Before using Toyota Entune Remote Connect, check your state and local laws.
- Any malfunction of the vehicle should be repaired by your Toyota dealer.
- Toyota Entune Remote Connect is designed to work at temperatures above approximately -22 °F (-30 °C). This specification is related to the Toyota Entune Remote Connect operation, but is dependent on the vehicle’s operating temperature range which may be different.
- Content is subject to change without notice.
- Additional information can be found at http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.

1. Toyota Entune App Suite Connect

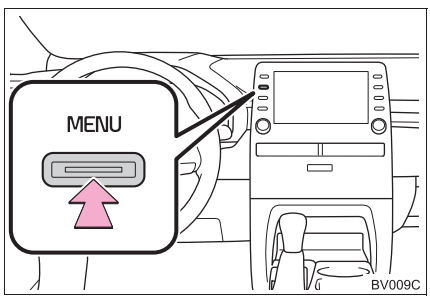
USING Toyota Entune App Suite Connect

App Suite is a function that enables certain apps installed on a smart phone or the system to be displayed on and operated from the system screen. Before the Toyota Entune App Suite Connect can be used, some setup needs to be performed. (→P.293)

For details about the functions and services provided by each application, refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.

▶From the **"MENU"** button

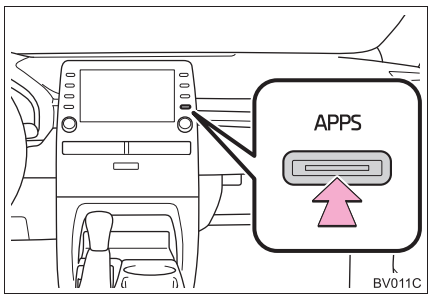
1 Press the **"MENU"** button.



2 Select **"Apps"**.

▶From the **"APPS"** button

1 Press the **"APPS"** button.



2 Select **"Apps"**.

- If a specific application screen is displayed, select **"Apps"** again.

3 Select the desired application screen button.

: Select to activate an application.

"Update": Select to update the applications. (→P.301)

"App Catalog": Select to change the order of the applications. (→P.301)

: Displays the number of new notifications for the application

UPDATING AN APPLICATION

When the App Suite is activated, an application may need to be updated. To update an application, it is necessary to download update data and install it.

DOWNLOADING UPDATE

If an update is available, **"Update"** can be selected.

1 Select **"Update"** on the application screen. (→P.300)

2 Check that downloading starts.

"Download in Background": Select to operate other functions while downloading.

"Cancel": Select to cancel updating.

3 Check that downloading is complete.

"Later": Select to install later. When this screen button is selected, the screen will return to the last displayed screen. To install the update data: →P.301

"See Detail": Select to display detailed information on the update data.

"Install": Select to install the update data. Follow the steps "INSTALLING THE UPDATE DATA" from "STEP 2". (→P.301)

INSTALLING THE UPDATE DATA

After the downloading is complete, **"Update"** will be changed to **"Install"**.

1 Select **"Install"** on the application screen. (→P.300)

2 Select **"Continue"**.

"Later": Select to postpone the installation of the update data and go back to the previous screen.

3 Check that installing is started.

"Install in Background": Select to operate other functions while installing.

4 Select **"OK"** after the installing is complete.

INFORMATION

- The Toyota Entune App Suite Connect function cannot be operated while installing.

REORDERING THE APPLICATIONS

Order of the applications can be changed.

1 Display the application screen. (→P.300)

2 Select **"App Catalog"**.

3 Select the desired application to be moved.

4 Select **"<<"** or **">>"** to move the application, and then select the done button.

IF A MESSAGE APPEARS ON THE SCREEN

When problems occur with starting the application player, a message will appear on the screen. Referring to the table below, identify the problem and take the suggested corrective action.

Message	Display conditions	Corrective action
“This feature is unavailable during an emergency call.”	Safety Connect is being implemented.	After the Safety Connect call is finished, perform the operation again.
“This feature is unavailable while transferring contacts.”	Contacts are being transferred manually from the phonebook.	When the transfer of contacts is complete, perform the operation again.
“Unable to connect to a Bluetooth* phone. For troubleshooting assistance, please visit the Toyota website or contact your dealer.”	The smart phone cannot be connected.	Refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico, to confirm if the phone is compatible or not.
“This feature is unavailable during a handsfree call.”	A hands-free call is in progress.	After the hands-free call is finished, perform the operation.
“When it is safe and legal to do so, please ensure your Entune App Suite application is running and logged in on your phone” “To use the services, Entune APP Suite Connect application needs to be running on your phone. For more information, please visit toyota.com or call 1-800-331-4331 in the United States, 1-888-869-6828 in Canada, and 1-877-855-8377 in Puerto Rico.”	The Toyota Entune App Suite Connect application cannot be connected to Bluetooth® SPP.	Refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico, to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the Toyota Entune App Suite Connect application.
“Communication error. Please try again.”	Communication was disconnected.	After a few moments, retry the operation.

*: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

ENTERING KEYWORD OPERATION

A keyword can be entered to an application by the software keyboard or voice recognition function. For details about the functions and services provided by each application, refer to http://www.toyota.com/Entune/ in the United States, http://www.toyota.ca/entune in Canada, and http://www.toyotapr.com/entune in Puerto Rico.

- The keyboard layout can be changed. (→ P.62)

ENTERING A KEYWORD USING THE SOFTWARE KEYBOARD

1. Display the application screen. (→P.300)
2. Select the desired application screen button.
3. Select the character entering space.
4. Enter a search term, and then select **"OK"**.
5. Entering characters will be reflected on the character entering space.

- For details on operating the keyboard: →P.36

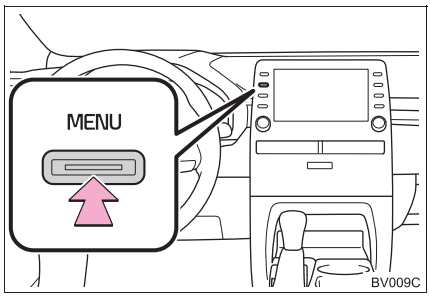
ENTERING A KEYWORD USING THE VOICE RECOGNITION FUNCTION

1. Display the application screen. (→P.300)
2. Select the desired application screen button.
3. Press the talk switch. (→P.124)
4. Say the desired keyword.
   - Completion of the keyword will be detected automatically.
5. Search results will be displayed on the screen.

1. Toyota Entune App Suite Connect SETTINGS

The settings of Toyota Entune App Suite Connect can be changed.

1 Press the **"MENU"** button.



2 Select **"Setup"**.

3 Select **"Entune App Suite"**.

4 Select the desired items to be set.

Toyota Entune App Suite Connect SETTINGS SCREEN

No.	Function
1	Select to set the pop up reminder for smart phone data usage. (→P.305)
2	Select to detect iPhone app automatically on/off.
3	Select to set the enhanced mode with connecting USB device on/off. • If an iPhone is connected while this setting is **"On"**, communication with any devices connected to the other USB port is not possible. Also, depending on the device, charging may not be possible. (When a USB hub is used)
4	Select to configure the Apps menu layout (e.g. app order, which applications are activated, etc.). This updates a setting file stored on the Toyota Entune center, this settings file can also be updated from the navigation system, smartphone app and by web portal.
5	Select to install the Apps via a USB memory device. For details, contact your Toyota dealer.
6	Select to reset all setup items.

DATA USE NOTIFICATION POP-UP SETTINGS

The data use notification pop-up, which indicates that the system will use an internet connection, can be enabled/disabled.

1 Display the Toyota Entune App Suite Connect settings screen. (→P.304)

2 Select **"Data Usage Message"**.

3 Change the setting as desired.

APPENDIX/INDEX

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Map database information and updates

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Certification

▶U.S.A.

FCC ID:AJDK102

NOTE:
<§15.19(a)(3)> This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:
<§15.21> Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION:
<§2.1091> Radio frequency radiation exposure information:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

FCC Warning :
Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

▶Canada

IC ID: 775E-K102
NOTE:
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE:
This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie II) a été approuv é par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

▶Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones:
(1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
(2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

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