QUICK REFERENCE GUIDE

TOYOTA

AVALON
AVALON HYBRID

2022

2022

AVALON / AVALON HYBRID

This Quick Reference Guide is a summary of basic vehicle operations. It contains brief descriptions of fundamental operations so you can locate and use the vehicle's main equipment quickly and easily.

The Quick Reference Guide is not intended as a substitute for the Owner's Manual located in your vehicle's glove box. We strongly encourage you to review the Owner's Manual and supplementary manuals so you will have a better understanding of your vehicle's capabilities and limitations.

Your dealership and the entire staff of Toyota Motor North America, Inc. wish you many years of satisfied driving in your new Avalon.

A word about safe vehicle operations

This Quick Reference Guide is not a full description of Avalon operations. Every Avalon owner should review the Owner's Manual that accompanies this vehicle.

Pay special attention to the boxed information highlighted in color throughout the Owner's Manual. Each box contains operating instructions to help you avoid injury or equipment malfunction.

All information in this Quick Reference Guide is current at the time of printing. Toyota reserves the right to make changes at any time without notice.

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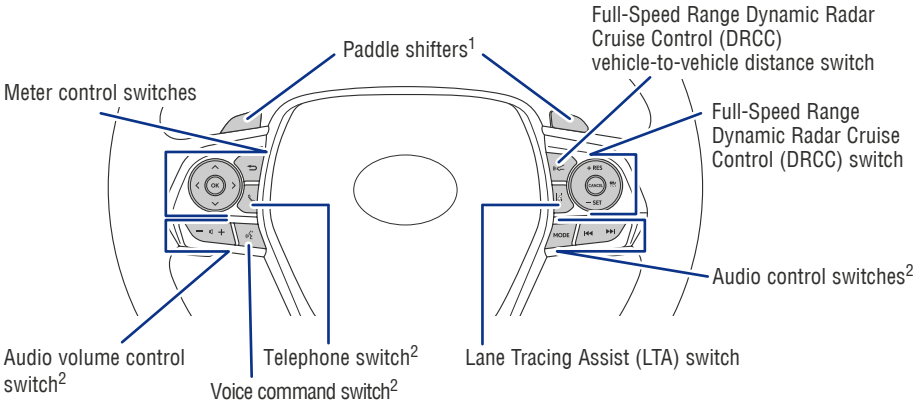
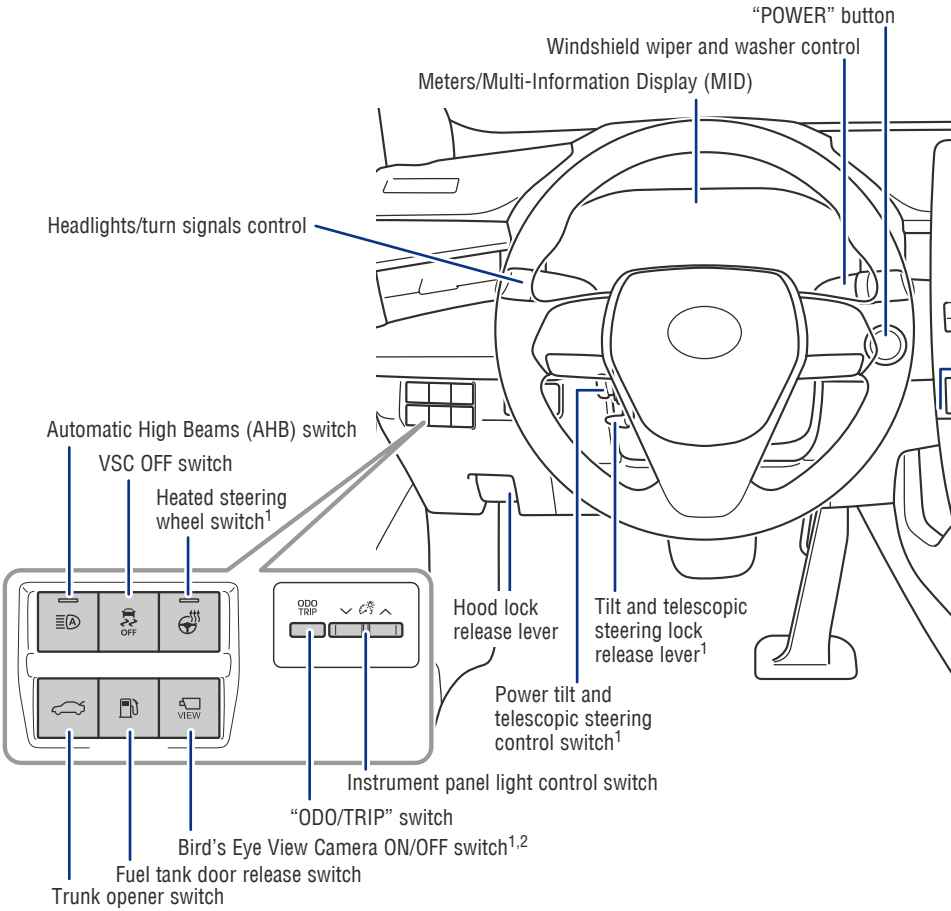
[1] *Visit your Toyota dealer for information on customizing this feature.*
[2] *Programmable by customer. Refer to the Owner's Manual for instructions and more information.*
[3] *HomeLink® is a registered trademark of Gentex Corporation.*

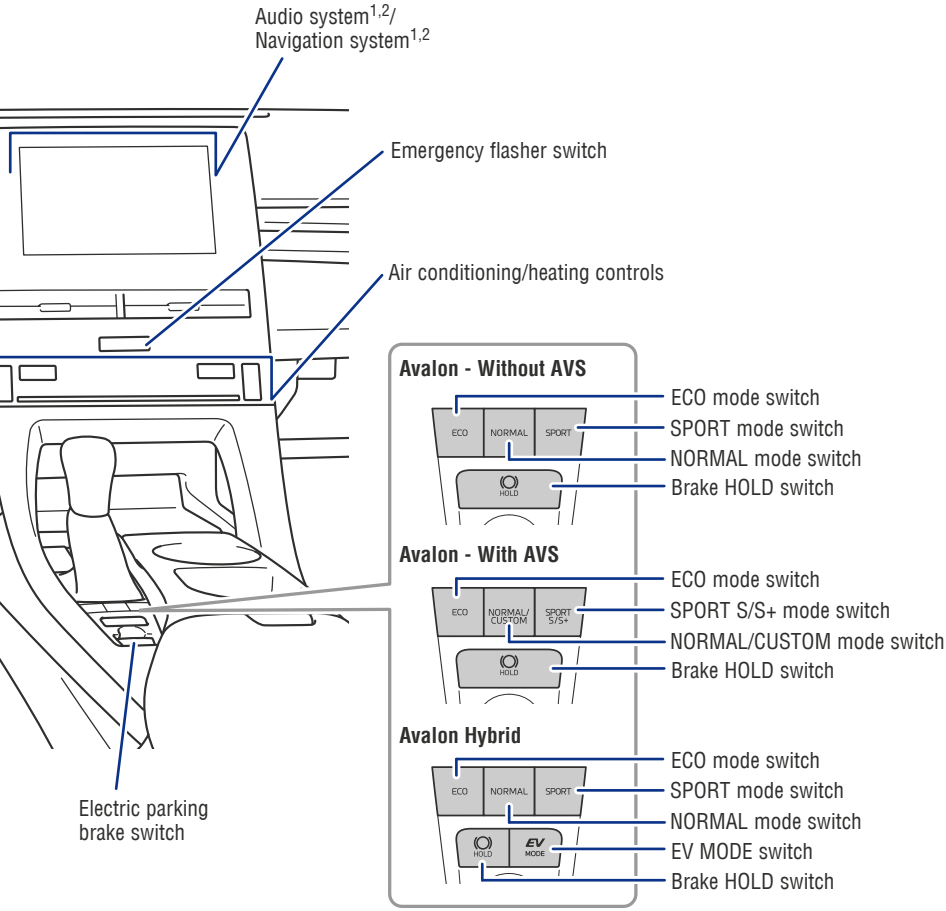
Instrument panel



Steering wheel controls

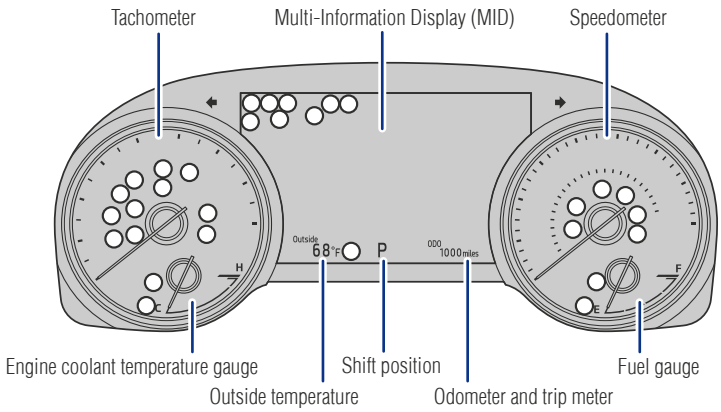


[1] If equipped.
[2] For details, refer to the “Navigation and Multimedia System Owner’s Manual” or visit www.toyota.com/audio-multimedia for additional resources.

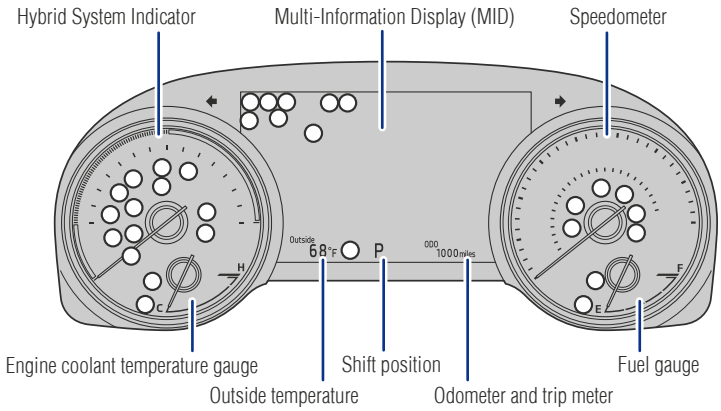


Instrument cluster

AVALON



AVALON HYBRID



○ Service indicators and warning lights

Indicator symbols

For details, refer to "Warning lights and indicators," Section 2, 2022 Owner's Manual.

"AIR BAG ON/OFF" indicator[1]

Airbag SRS warning[1]

Anti-lock Brake System (ABS) warning[1]

Auto Glide Control (AGC) indicator[6]

Automatic High Beams (AHB) indicator

Blind Spot Monitor (BSM) indicator

BSM outside rear view mirror indicators

BSM w/Rear Cross Traffic Alert (RCTA) Indicator

HOLD Brake hold operating indicator[1,2]

HOLD Brake hold standby indicator[1]

BRAKE Brake system warning[1]

Brake system warning [yellow][1]

Charging system warning

Constant speed cruise control/ Full-Speed Range Dynamic Radar Cruise Control (DRCC) indicator

SET Constant speed cruise control/ Full-Speed Range DRCC SET indicator

CUSTOM CUSTOM mode indicator[4,5]

Driver's and front passenger's seat belt reminder (alarm will sound when the vehicle is on)

ECO ECO driving indicator[1,5]

ECO MODE ECO MODE indicator

Electric power steering system warning [red/yellow][1]

EV MODE EV drive mode indicator[6]

EV EV indicator[6]

Fuel tank door position

Headlight low/high beam indicators

High coolant temperature warning

Inappropriate pedal operation warning

OFF Intelligent Clearance Sonar (ICS) OFF indicator[1,2,4]

P Intuitive parking assist indicator[4]

Lane Tracing Assist (LTA) indicator [white/green/amber[3]]

Low engine oil pressure warning

Low fuel level warning

Low outside temperature indicator

Low tire pressure warning[1]

CHECK Malfunction/Check Engine indicator[1]

Master warning[1,2]

Open door warning

PARK Parking brake indicator[2]

OFF Pre-Collision System (PCS) warning[1,2]

READY "READY" indicator[6]

REAR REAR REAR Rear passengers' seat belt reminder indicator

Security indicator

Slip indicator[1,3]

Smart Key system indicator

SPORT SPORT mode indicator

SPORT S SPORT S mode indicator[4,5]

SPORT S+ SPORT S+ mode indicator[4,5]

Turn signal indicator

OFF Vehicle Stability Control (VSC) OFF indicator[1]

---

[1] *If the indicator does not turn off within a few seconds of starting the vehicle, there may be a malfunction. Have the vehicle inspected by your Toyota dealer.*
[2] *If the indicator flashes, there may be a malfunction. Refer to the Owner's Manual.*
[3] *If the indicator flashes, it indicates that the system is operating.*
[4] *If equipped.*
[5] *Avalon only.*
[6] *Avalon Hybrid only.*

Keyless entry

UNLOCKING OPERATION

Push

ONCE: Driver door
TWICE: All doors

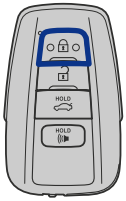
Carry Smart Key remote

Driver door unlock*

Grasp

NOTE: If a door is not opened within 60 seconds of unlocking, all doors will relock for safety.

LOCKING OPERATION



Push

Carry Smart Key remote

All-door lock

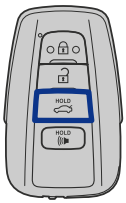
Touch

PANIC BUTTON

HOLD

Push and hold

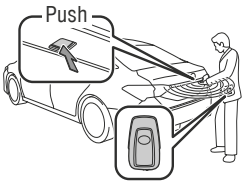
TRUNK LOCKING/UNLOCKING



HOLD

Push and hold

Carry Smart Key remote



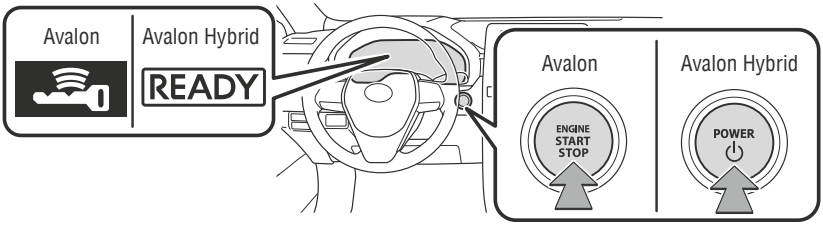
* Driver door unlocking function can be programmed to unlock driver door only, or all doors. In some models, grasping front passenger door handle will unlock all doors.

Please refer to the Owner's Manual for more details on how to program the doors.

NOTE: Doors may also be locked/unlocked using the mechanical key.

Smart Key system

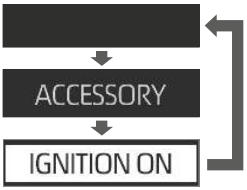
START FUNCTION



NOTE: The Smart Key must be carried to enable the start function. With the shift lever in Park and the brake pedal depressed, push the power button.

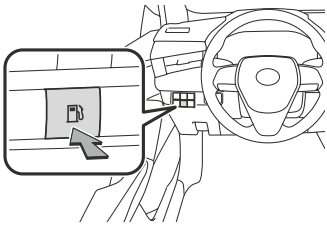
POWER (WITHOUT STARTING VEHICLE)

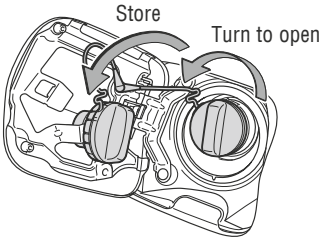
Without depressing the brake pedal, pressing the power button will change the operation mode in succession from:

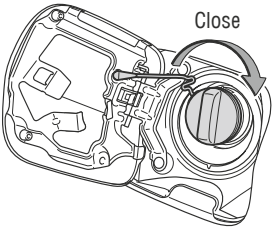


	Off - All systems OFF. Emergency flashers can be used.
ACCESSORY	Accessory – Some electrical components can be used.
IGNITION ON	On - All electrical components can be used.

Fuel tank door release & cap

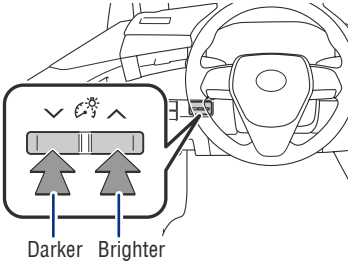




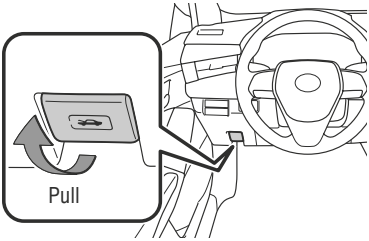


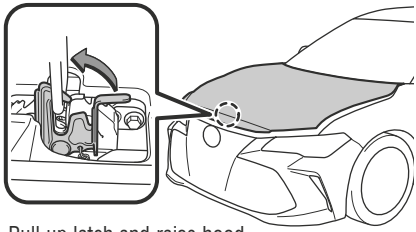
NOTE: Tighten until one click is heard. If the cap is not locked or tightened enough, the Check Engine indicator "CHECK" may illuminate.

Instrument panel light control



Hood release

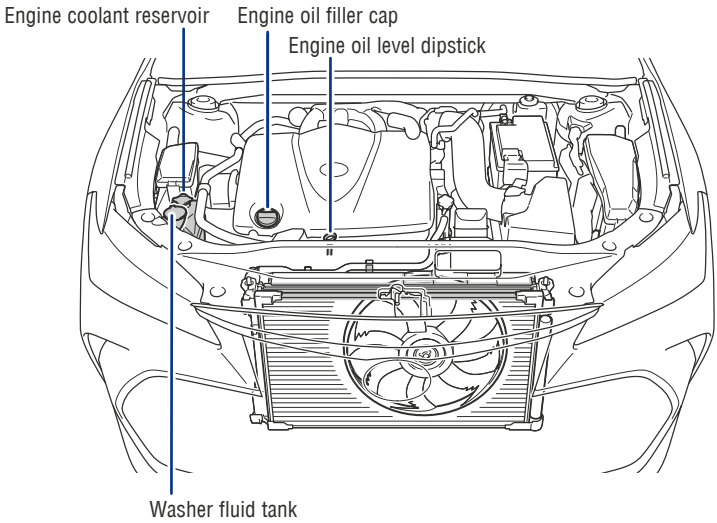




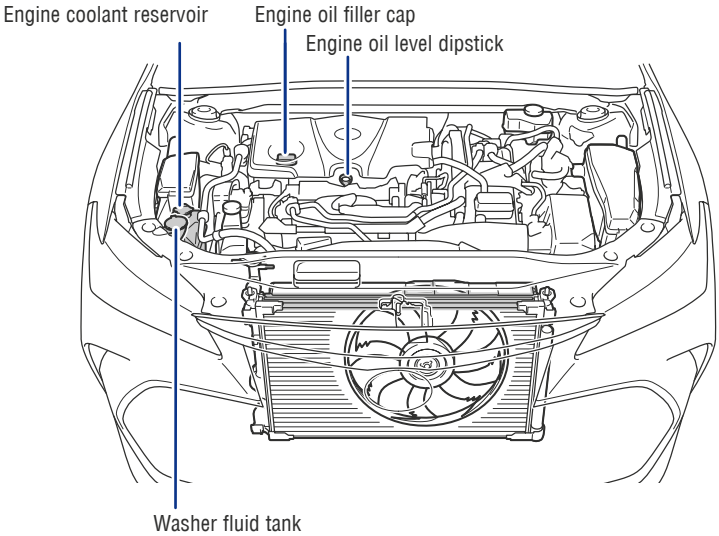
Pull up latch and raise hood

Engine maintenance

AVALON - 3.5 L V6 (2GR-FKS) ENGINE

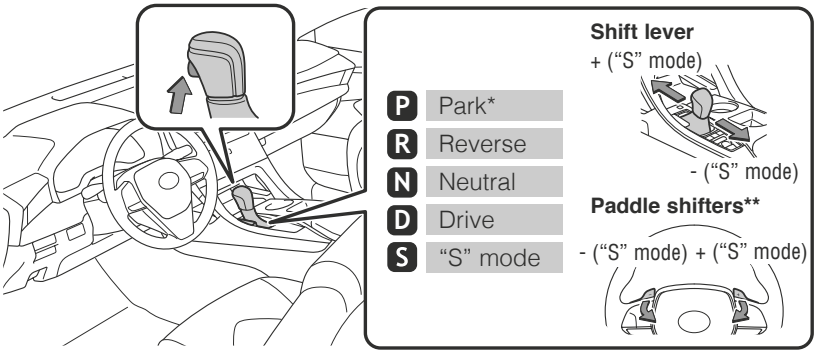


AVALON HYBRID



NOTE: Regularly scheduled maintenance, including oil changes, will help extend the life of your vehicle and maintain performance. Please refer to the "Warranty & Maintenance Guide."

Automatic transmission/Hybrid transmission



** If equipped

* The vehicle must be on and the brake pedal depressed to shift from Park.

"S" (SEQUENTIAL) MODE

Shift the shift lever to "S" position from "D" position.

Shift lever type:
+ : Upshift (push and release)
- : Downshift (pull and release)

Paddle shifters type (if equipped):
+ : Upshift (pull and release)
- : Downshift (pull and release)

Downshifting increases power going uphill, or provides engine braking downhill. For best fuel economy during normal driving conditions, always drive with the shift lever in the "D" position.

Auto lock/unlock

Automatic door locks can be programmed to operate in different modes, or turned OFF.

DEFAULT SETTING

Shift position linked door locking/unlocking function
-Doors lock when shifting from Park.
-Doors unlock when shifting into Park.

CUSTOMIZED SETTING

Speed linked door locking function
-Doors lock when the vehicle speed goes above approximately 12 mph (20 km/h) or higher.

Driver's door linked door unlocking function
-Doors unlock when the driver's door is opened.

Refer to the Owner's Manual for more details.

Hybrid Synergy Drive System
(Avalon Hybrid only)

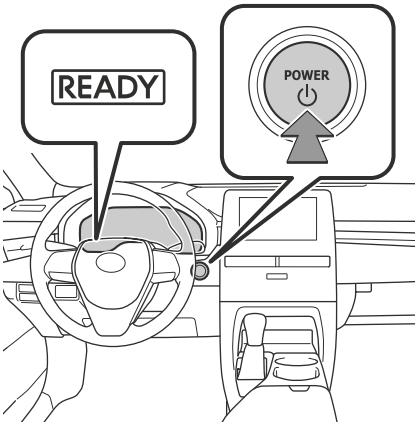
The Hybrid Synergy Drive System utilizes a computer-controlled gasoline engine and electric motor to provide the most efficient combination of power for the vehicle. When the brakes are applied, the braking force generates electricity, which is then sent to the traction battery to conserve energy. In addition, the engine shuts off when the vehicle is stopped. The benefits are better fuel economy and reduced vehicle emissions.

NOTE: Fuel consumption and energy information of the Hybrid System are shown on the Multi-Information Display (MID) and Audio Multimedia System screen.

TIPS FOR IMPROVED FUEL ECONOMY

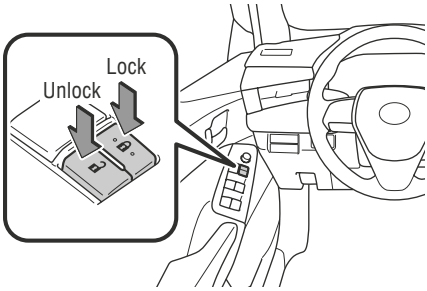
1. Ensure tire pressures are maintained at levels specified in the Owner's Manual.
2. Link trips to reduce engine cold starts whenever possible.
3. Avoid driving at speeds that are higher than necessary, especially on the highway.
4. When possible, avoid sudden stops to maximize regenerative braking energy.
5. Minimize use of the air conditioning.

STARTING THE HYBRID SYSTEM



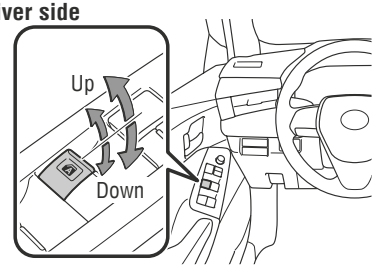
(1) Put the shift lever in "P."
(2) Depress the brake pedal, and messages will be displayed on the Multi-Information Display (MID).
(3) Press the "POWER" switch briefly and firmly.
(4) The "READY" light will blink. After a few seconds, when the light remains steady and a beep sounds, you may begin driving.

Door locks

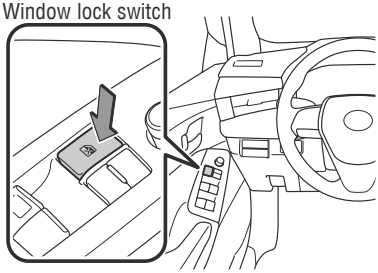


Power windows

Driver side



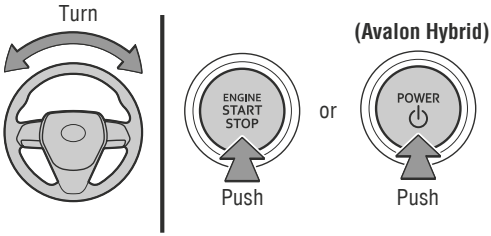
Window lock switch



All window auto up/down
Push the switch completely down or pull it completely up and release to fully open or close. To stop the window partway, operate the switch in the opposite direction.

Window lock switch
Deactivates all passenger windows. Driver remains able to operate all windows.

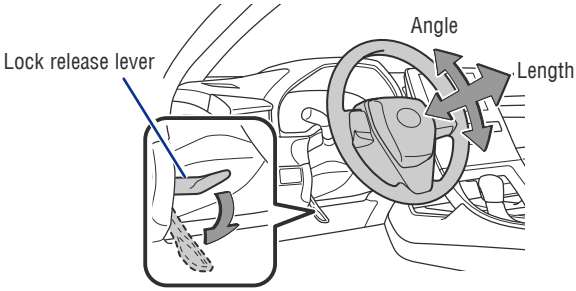
Steering lock release



A message informing the driver that the steering wheel is locked will be displayed on the Multi-Information Display (MID). Check that the shift lever is set in P. Press the power button while turning the steering wheel left and right.

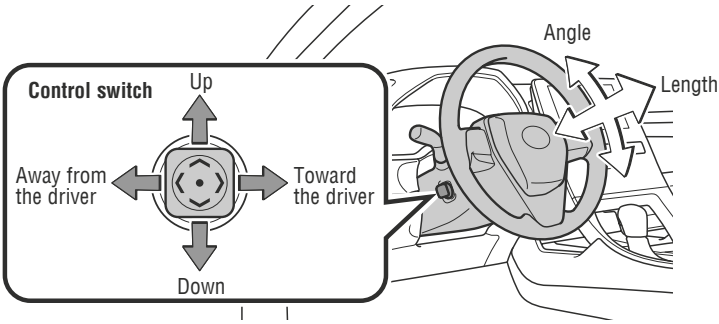
Tilt & telescopic steering wheel

MANUAL (IF EQUIPPED)



Hold the steering wheel, push the lever down, set angle and length and return the lever.

POWER (IF EQUIPPED)

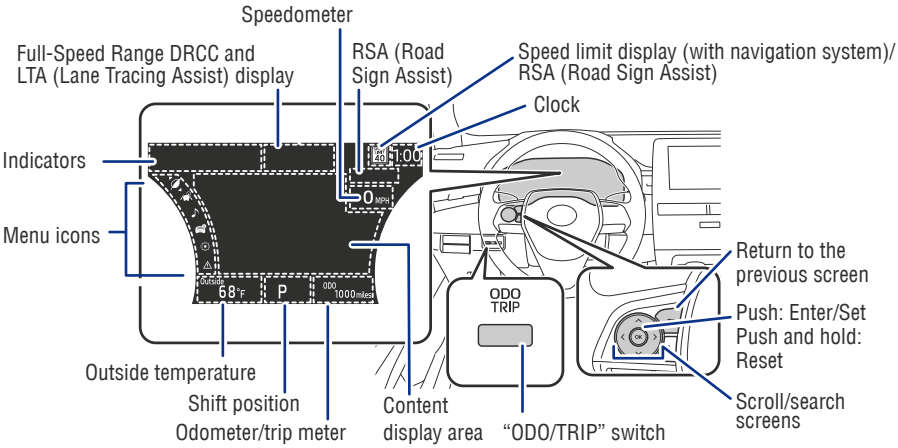


Toggle the control switch to set angle and length.

NOTE: Do not attempt to adjust while the vehicle is in motion.

Power easy access system (if equipped): The steering wheel and driver's seat move in accordance with the power switch mode and the driver's seat belt condition.

Multi-Information Display (MID)



Press meter control switches to change and select information in the following:

Driving information

Driving assist system information

Audio system-linked display

Vehicle information

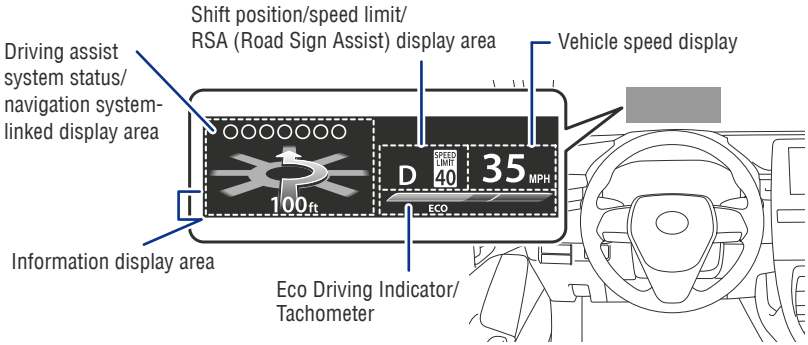
Settings display

Warning message display

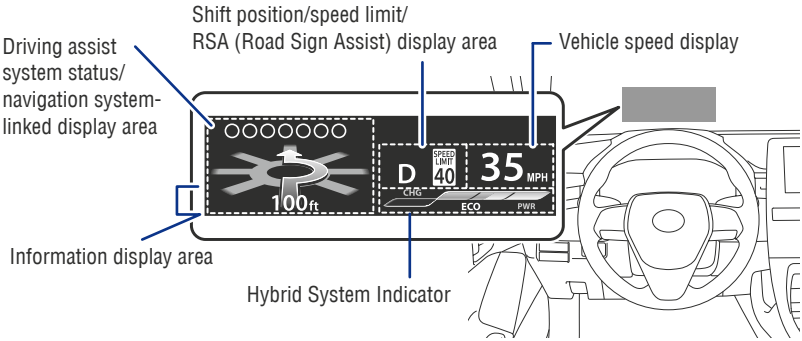
Refer to the Owner's Manual for more settings and customizable features.

Head-Up Display (HUD) *(if equipped)*

AVALON



AVALON HYBRID



The head-up display is linked to the meters and navigation system and projects a variety of information in front of the driver, such as the current vehicle speed.

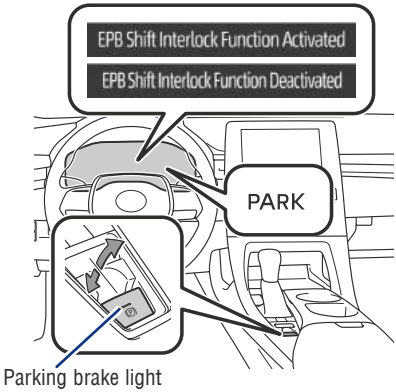
Press meter control switches and select "⚙" in the Multi-Information Display (MID) and then select "HUD" to access Head-up display settings. And push "OK" to enter selection.

Refer to the Owner's Manual for more details.

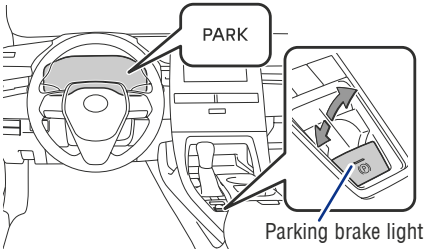
Electric parking brake

PARKING BRAKE

Automatic mode



Manual mode



Automatic (shift lever operation)

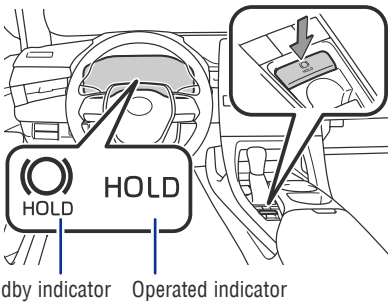
To turn automatic mode ON, while vehicle is stopped, pull and hold the switch until “EPB Shift Interlock Function Activated” displays in the Multi-Information Display (MID). While depressing brake, shifting into P position will automatically set the brake and turn the parking brake indicator and parking brake light on. To release brake, depress brake and shift out of P. The indicator and the light turn off.

To turn automatic mode OFF, push and hold the parking brake switch until “EPB Shift Interlock Function Deactivated” displays on the MID.

Manual

While vehicle is stopped and brake pedal is depressed, pull to set parking brake and turn the parking brake indicator and parking brake light on. To release, press the brake pedal and push the switch. The indicator and the light turn off.

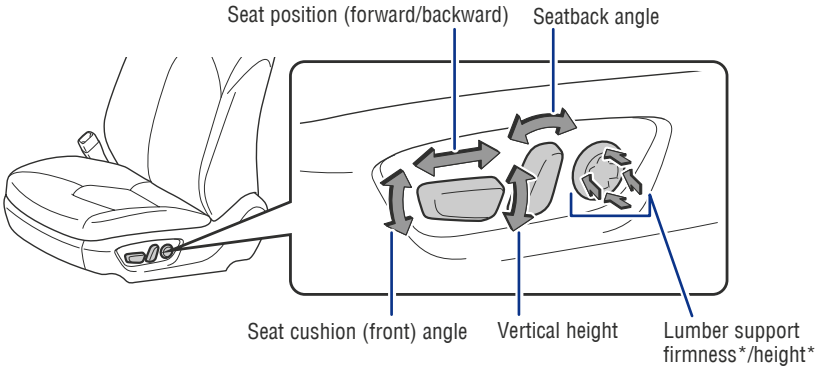
BRAKE HOLD



The brake hold system keeps the brake applied when the shift lever is in D, S or N with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D or S to allow smooth start off.

Refer to the Owner’s Manual for limitations and more details.

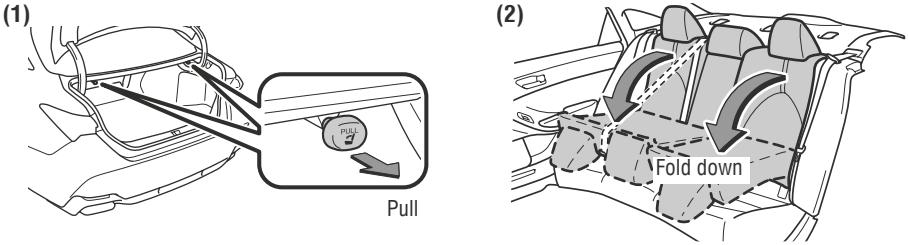
Seat adjustments-Front



* If equipped

Power easy access system (if equipped): The steering wheel and driver's seat move in accordance with the power switch mode and the driver's seat belt condition.

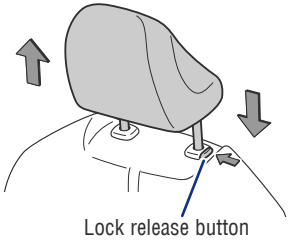
Seat folding-Rear



Tip: To fold rear seats, the release lever is located in the trunk.

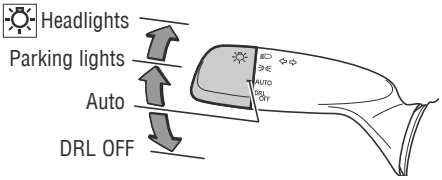
Refer to the Owner's Manual for more details.

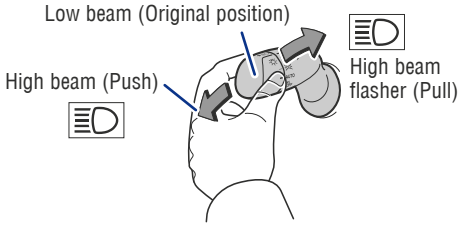
Seats-Head restraints



Lights & turn signals

HEADLIGHTS





Daytime Running Light system (DRL) Automatically turns on under certain conditions to make vehicle more visible to other drivers. Not for use at night.

Automatic light cut off system

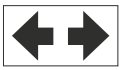
- Headlights are on: The lights will turn off automatically 30 seconds after the vehicle is turned from ON to ACCESSORY or OFF and a door is opened and closed. (If the lock switch on the Smart Key remote is pushed twice after all doors are closed, the lights will turn off immediately.)
- Only the tail lights are on: The tail lights will turn off automatically if the vehicle is turned from ON to ACCESSORY or OFF and the driver's door is opened.

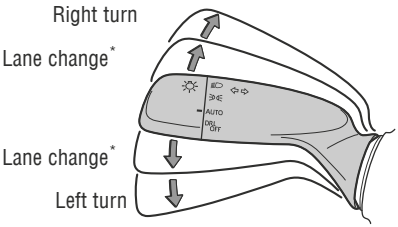
Automatic High Beams (AHB) system* Automatically switches between high and low beams as appropriate to enhance vision at night.

Refer to Toyota Safety Sense™ 2.5+ (TSS 2.5+) in this guide or the Owner's Manual for more details on the Automatic High Beams feature.

* Operating conditions must be met. Refer to the Owner's Manual for details.

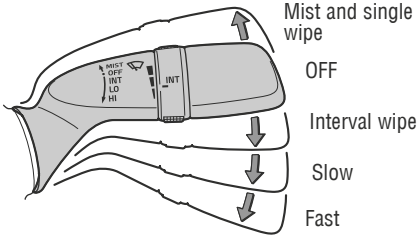
TURN SIGNALS

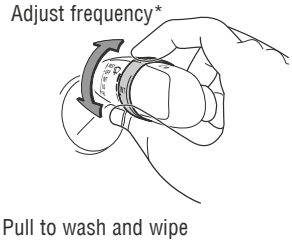




* Move lever partway and release. The signals will flash three times.

Windshield wipers & washers





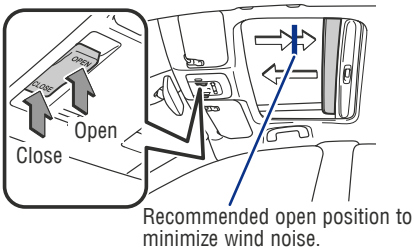
* **Intermittent windshield wiper frequency adjustment** Rotate to increase/decrease wiper frequency.

Refer to the Owner's Manual for more information.

Moonroof *(if equipped)*

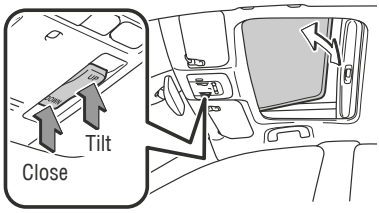
SLIDING OPERATION

Push once to open partway.
Push again to open completely.



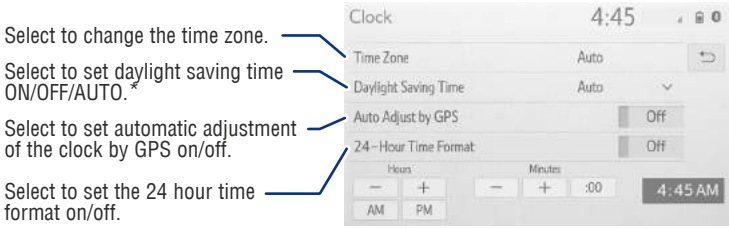
TILTING OPERATION

Push once to open completely.



Lightly press either side of the moonroof switch while opening/tilting is in progress, the moonroof stops partway.

Clock

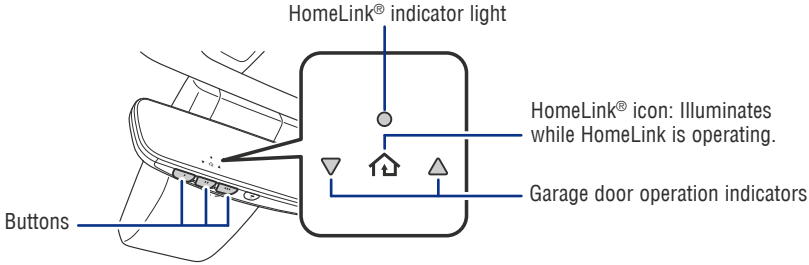


1) Push "**MENU**" button next to the screen.
2) Select "**Setup**" or "**General**" in the touchscreen to access the general setting screen.
3) Select "**Clock**."
4) Select the desired items to be set.

Refer to the "Navigation and Multimedia System Owner's Manual" for more details.

* Premium Audio only

Garage door opener (HomeLink®) *(if equipped)*



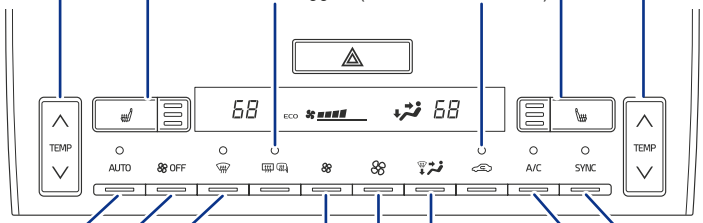
Garage door openers manufactured under license from HomeLink®* can be programmed to operate garage doors, estate gates, security lighting, etc.

Refer to the Owner's Manual for more details.

For programming assistance, contact HomeLink® at 1-800-355-3515, or visit http://www.homelink.com/toyota.

* HomeLink® is a registered trademark of Gentex Corporation.

Air conditioning/heating

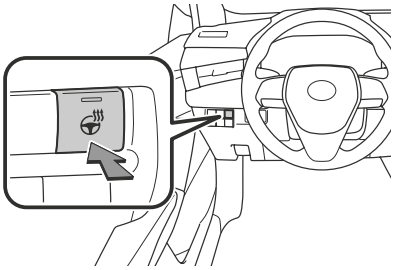


Automatic climate control ON
Adjusting the temperature setting will cause the airflow vents, air intake and fan to adjust automatically to the set temperature.

Airflow vent mode

"SYNC" button
Indicator ON: Synchronized temperature settings for driver and front passenger seat.
Indicator OFF: Separate temperature settings for driver and front passenger seat.

Heated steering wheel *(if equipped)*

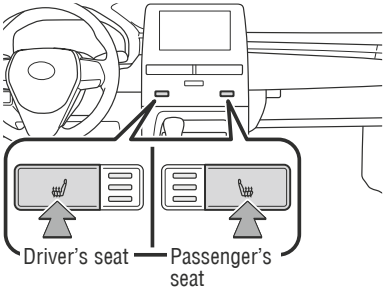


The vehicle must be on for use.

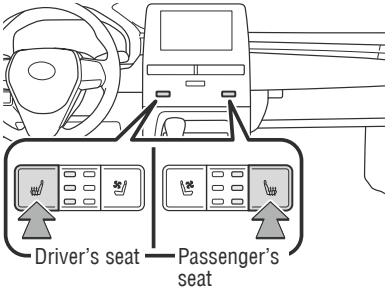
Heated/ventilated seats *(if equipped)*

HEATED SEAT OPERATION - FRONT

Heated only

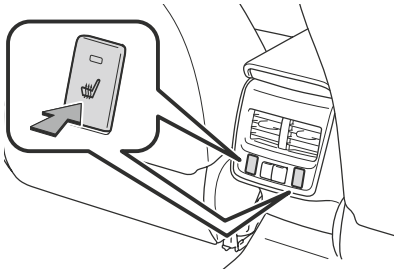


Heated and Ventilated

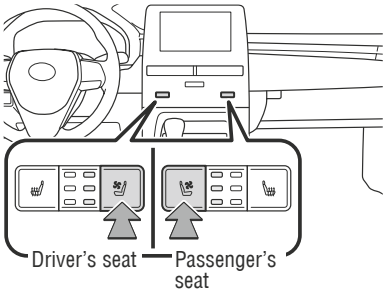


HEATED SEAT OPERATION - REAR (IF EQUIPPED)

Heated only



VENTILATED SEAT OPERATION (IF EQUIPPED)

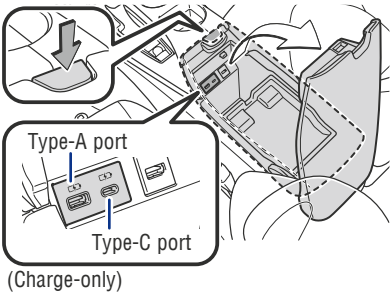


The vehicle must be on for use.

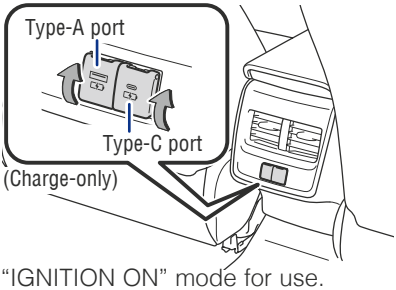
USB charge ports

USB Type-A port: 2.5A/USB Type-C port: 3.0A

Front

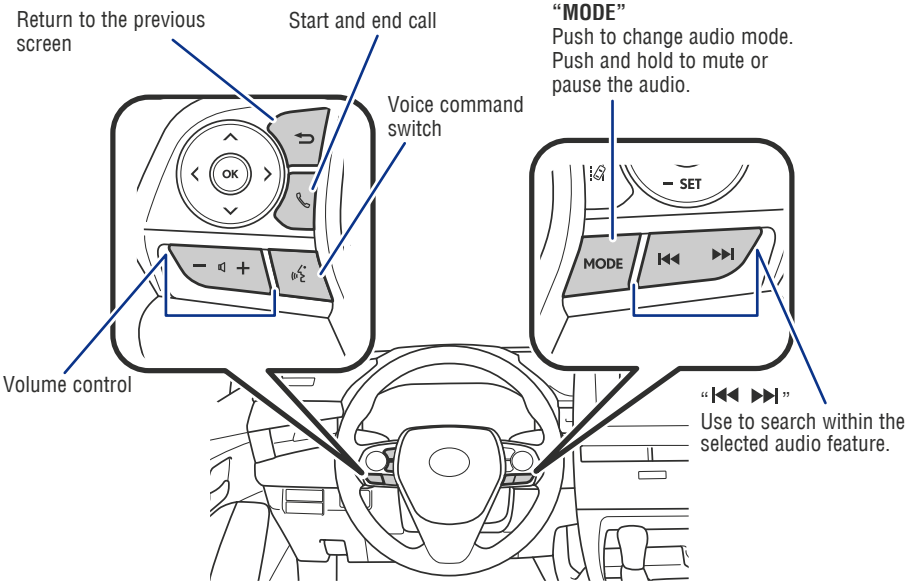


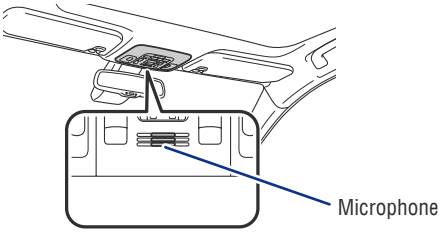
Rear



The vehicle must be in the "ACCESSORY" or "IGNITION ON" mode for use.

Steering wheel switches & telephone controls (Bluetooth®)



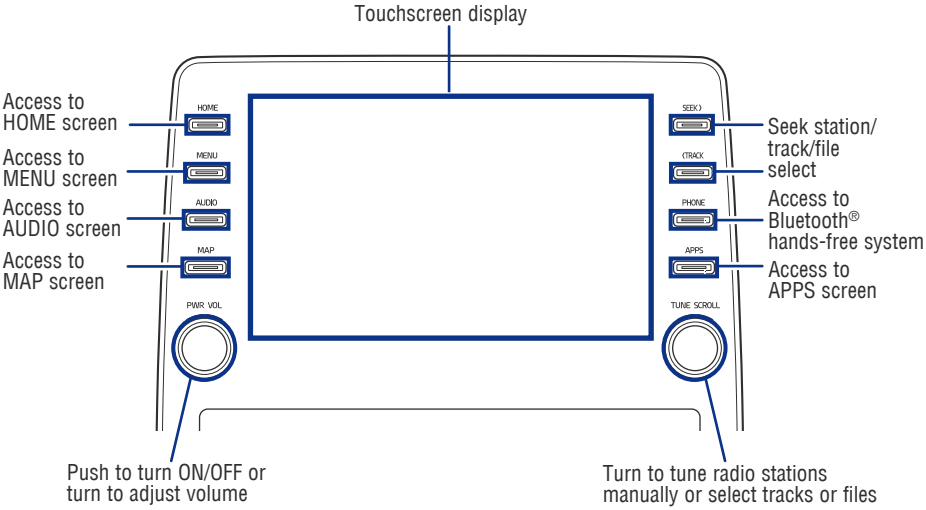


Bluetooth® technology allows dialing or receipt of calls without removing your hands from the steering wheel.

Refer to the Bluetooth® device pairing in this guide or the Navigation and Multimedia System Owner's Manual for additional user instructions.

NOTE: Always use safe driving practices and follow all traffic rules.

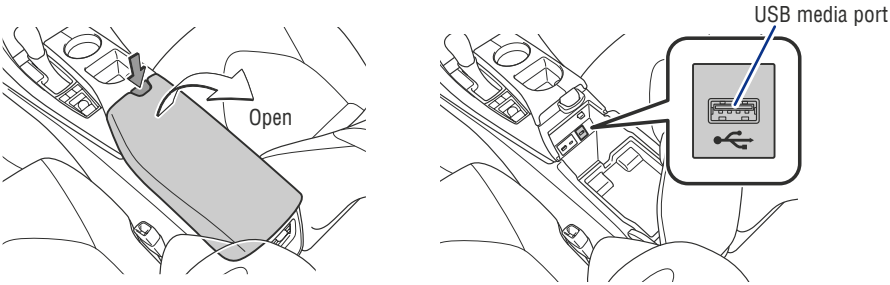
Audio



Refer to the "Navigation and Multimedia System Owner's Manual" or visit www.toyota.com/audio-multimedia for additional resources.

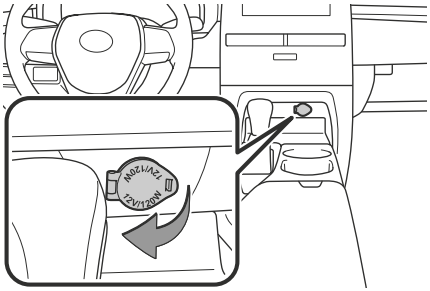
NOTE: Always use safe driving practices and follow all traffic rules.

USB media port



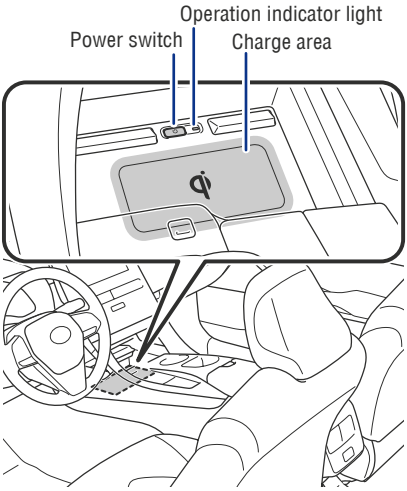
Connecting a compatible device and cable into the USB media port will support charging and music playback through the audio multimedia system.

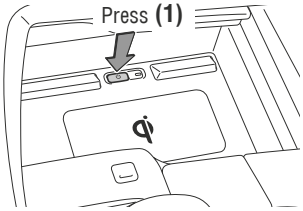
Power outlets - 12V DC



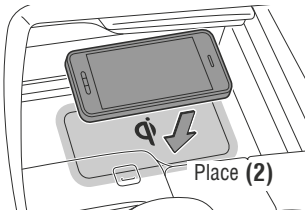
The vehicle must be in the “ACCESSORY” or “IGNITION ON” mode for use.

Qi Wireless charger *(if equipped)*





When the vehicle is turned off, the last state (ON/OFF) of the charger is retained.

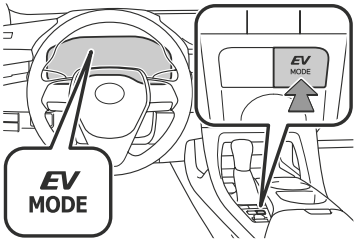


Place device nearest the center of the charging area for best results. Moving device may result in stopping or restarting the charging process.

A mobile device can be charged wirelessly on the tray. **(1)** Press the wireless charger power switch and the green operation indicator light turns on. **(2)** Place a compatible mobile device on the tray as shown in the illustration. An amber indicator illuminates while charging is in progress. When charging is complete, the indicator illuminates green. Some phones, cases or cover type wireless chargers may not cause the green indicator to illuminate even though it is fully charged.

Refer to the Owner’s Manual for limitations and more details on this system before attempting to use it.

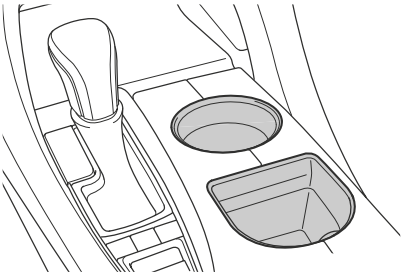
EV drive mode (Avalon Hybrid only)



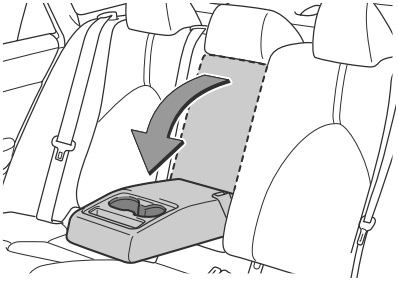
Use EV drive mode when driving short distances to reduce noise early in the morning and late at night in residential areas or to cut emissions when parking in a small garage or indoor car park.

Cup holders

Front

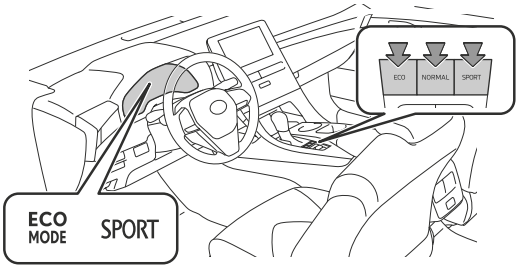


Rear



Driving mode select switches

AVALON / AVALON HV - WITHOUT ADAPTIVE VARIABLE SUSPENSION SYSTEM (AVS)



ECO MODE

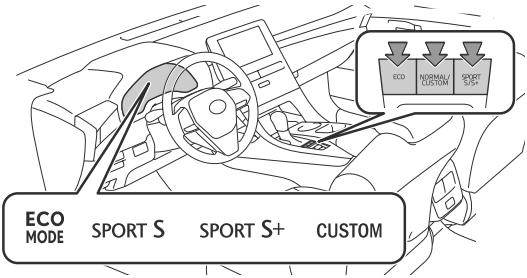
SPORT

Normal mode
Suitable for normal driving.

ECO drive mode
Use to help achieve low fuel consumption during trips that involve frequent accelerating.

SPORT mode
Use when increased acceleration response and precise handling is desired; for example, when driving on mountain roads.

AVALON - WITH ADAPTIVE VARIABLE SUSPENSION SYSTEM (AVS)



ECO MODE

SPORT S

SPORT S+

CUSTOM

Normal mode
Use for normal driving.

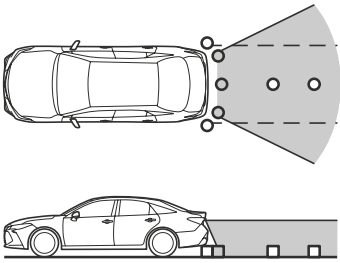
ECO drive mode
Use Eco drive mode to help achieve low fuel consumption during trips that involve frequent accelerating.

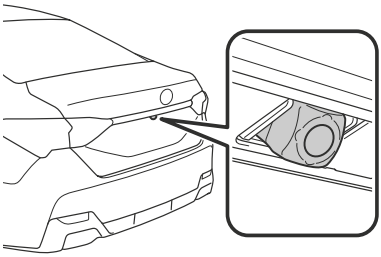
SPORT S/S+ mode
Use Sport S/S+ mode when increased acceleration response and precise handling is desired, for example, when driving on mountain roads.

CUSTOM mode
Custom mode settings can only be changed on the drive mode customization display of the audio system screen.

Refer to the Owner's Manual for more details.

Rear view monitor system



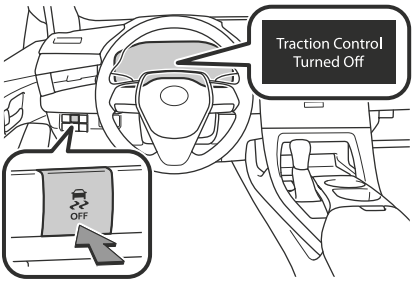


The rear view monitor system displays an image of the view from the bumper of the rear area of the vehicle. The camera for the rear view monitor system is located above the license plate.

To adjust the image on the rear view monitor screen, press the “MENU” button and select “Display.” Select “Camera” to adjust the screen contrast and brightness.

Refer to the Navigation and Multimedia Owner’s Manual for limitations and more details on this system.

Vehicle Stability Control (VSC)/ TRAC OFF switch

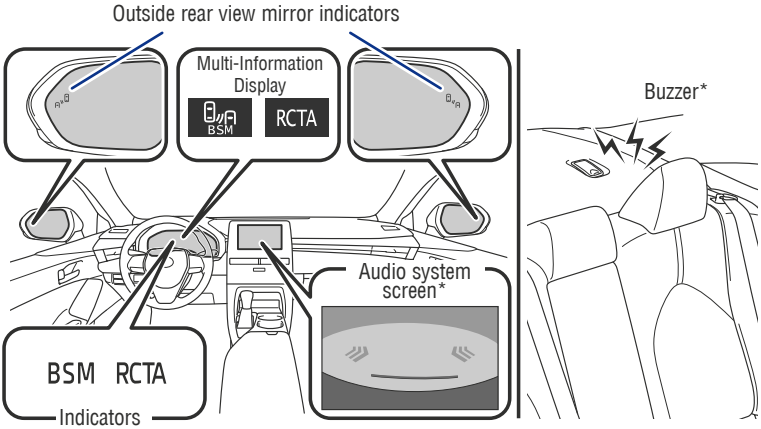


The VSC OFF switch can be used to help free a stuck vehicle in surroundings like mud, dirt or snow. While the vehicle is stopped, press switch to disable the TRAC system.

To disable both VSC and TRAC systems, press and hold the switch for at least 3 seconds.

Refer to the Owner’s Manual for limitations and more details.

Blind Spot Monitor with Rear Cross Traffic Alert (BSM w/RCTA)



* RCTA only

The Blind Spot Monitor is a system that has two functions:

- The Blind Spot Monitor function (assists the driver in making the decision when changing lanes)
- The Rear Cross Traffic Alert function (assists the driver when backing up)

The system is designed to use radar sensors to detect vehicles traveling in the Avalon's blind spot. If a vehicle is detected, the driver will be alerted via the outside rear view side mirror indicators.

Rear Cross Traffic Alert function:
While in reverse, when a vehicle approaching from the right or left rear of the Avalon is detected, the outside rear view mirror indicators will flash. Also, the RCTA icon for the detected side will be displayed on the audio system display, and the RCTA buzzer will sound.

SYSTEM ON/OFF

(1) Press "⌃⌄" switches and select "⚙" from the Multi-Information Display (MID).

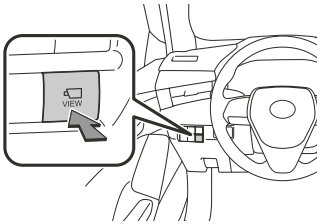
(2) Press "〈〉" switches and select "BSM" or "RCTA" and then press "OK." The setting screen is displayed.

(3) Press "〈〉" switches and select the "On/Off" setting function and then press "OK."

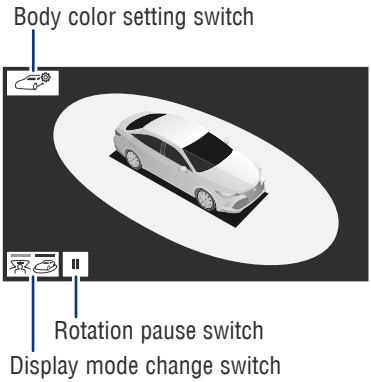
(4) Press "↩" to go back to the menu.

Refer to the Owner's Manual for limitations and more details on this system before attempting to use it.

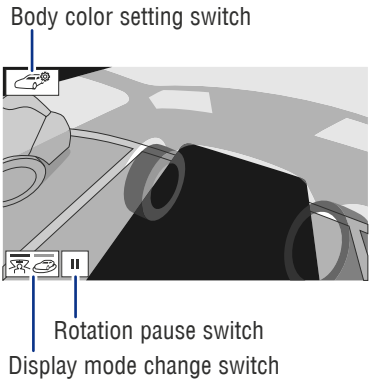
Bird's Eye View Camera with Perimeter Scan *(if equipped)*



Moving view



See through view



The Bird's Eye View Camera with Perimeter Scan function assists the driver in viewing the surroundings, when operating at low speeds or parking, by combining front, side and rear cameras and displaying an overhead image on the screen.

To view 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. Press the camera switch again to display the previous display screen, such as the navigation screen.

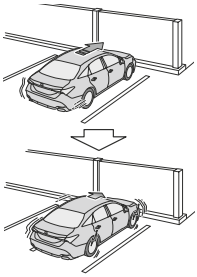
Refer to the "Navigation and Multimedia System Owner's Manual" for limitations and more details.

Intelligent Clearance Sonar with Rear Cross Traffic Braking (ICS w/RCTB) *(if equipped)*

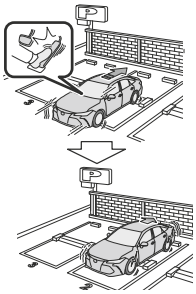
When parking, this available system scans for stationary objects, like walls or lampposts. Should the system anticipate a collision, it will emit an audible and visible alert, reduce engine or motor output, and automatically apply the brakes if needed. If your vehicle is equipped with ICS, the RCTB system will also have a braking function that may apply the vehicle's brakes if the system detects crossing vehicles while the Avalon is backing up.

EXAMPLES OF FUNCTION OPERATIONS

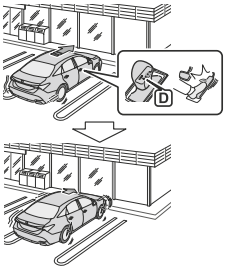
For the static object



When traveling at a low speed and the brake pedal is not depressed, or is depressed late.



When the accelerator pedal is depressed excessively.



When the vehicle moves in the unintended direction due to the wrong shift position being selected.

For the rear-crossing vehicles

When reversing, a vehicle is approaching and the brake pedal is not depressed, or is depressed late.

SYSTEM ON/OFF

The system "On"/"OFF" will be displayed on the Multi-information display (MID).

(1) Press "⌃⌄" switches and select "⚙" from the Multi-Information Display (MID).

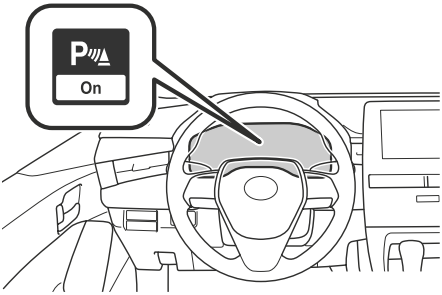
(2) Press "〈〉" switches and select "" and then press "OK." The setting screen is displayed.

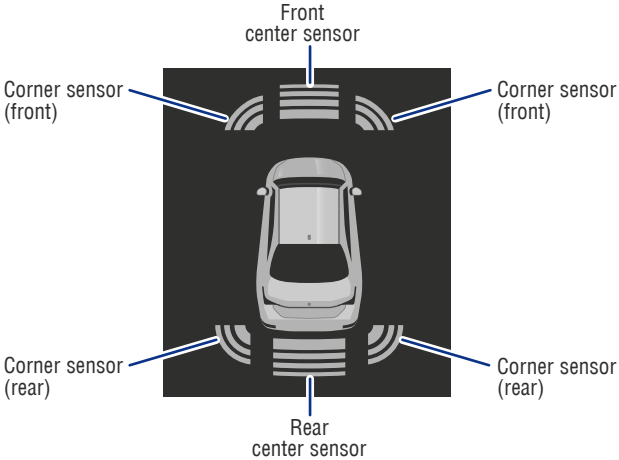
(3) Press "〈〉" switches and select the "On/Off" setting function and then press "OK."

(4) Press "↩" to go back to the menu.

Refer to the Owner's Manual for limitations and more details on this system.

Intuitive Parking Assist *(if equipped)*





If the sensors detect an obstacle, the buzzer and MID inform the driver of the approximate position and distance of the obstacle by illuminating continuously (far) or blinking (near).

SYSTEM ON/OFF

(1) Press "⌃⌄" switches and select "⚙" from the Multi-Information Display (MID).

(2) Press "〈〉" switches and select "P" and then press "OK." The setting screen is displayed.

(3) Press "〈〉" switches and select the "On/Off" setting function and then press "OK."

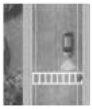
(4) Press "↩" to go back to the menu.

Refer to the Owner's Manual for limitations and more details.

Quick overview-Toyota Safety Sense™ 2.5+

Toyota Safety Sense™ 2.5+ (TSS 2.5+) is a set of active safety technologies designed to help mitigate or prevent collisions across a wide range of traffic situations, in certain conditions. TSS 2.5+ is designed to help support the driver's awareness, decision making and vehicle operation contributing to a safe driving experience.

Refer to the Owner's Manual for operation, setting adjustments, limitations and more details to understand these functions and complete safety precautions. For more information, please go to www.toyota.com/safety-sense.



Pre-Collision System with Pedestrian Detection (PCS w/PD)
PCS w/PD is designed to provide alert, mitigation, and/or avoidance support in certain conditions, when the system detects a potential collision with a preceding vehicle is likely to occur.

The advanced grille-mounted radar sensor system is designed to work with the forward-facing camera to help recognize a preceding pedestrian or bicyclist, and provide an alert, mitigation and/or avoidance support in certain conditions.

Lane Tracing Assist (LTA) System
LTA contains all the features of Lane Departure Alert described below and additionally is designed to help keep the vehicle in the center of a lane by assisting the driver in steering control when using Full-Speed Range DRCC.

Lane Departure Alert with Steering Assist
Lane Departure Alert with Steering Assist is designed to provide notification when the system detects an unintended lane departure.

The Steering Assist function is designed to provide small corrective steering inputs to the steering wheel for a short period of time to help keep the vehicle in its lane.
The Sway Warning function is designed to detect vehicle swaying (based on the vehicle location and steering wheel operation) and alert drivers with an audio and visual alert, urging them to take a break.

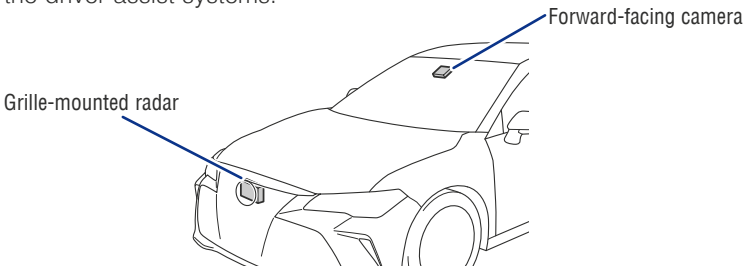
Full-Speed Range Dynamic Radar Cruise Control (DRCC)
Full-Speed Range DRCC is designed to help maintain a pre-set distance to a preceding vehicle when the preceding vehicle is traveling at a lower speed. The minimum set speed is approximately 20 MPH, but once activated, the operating speed range is 0-110 MPH.

Automatic High Beams (AHB)
AHB is designed to detect the headlights of oncoming vehicles and the tail lights of preceding vehicles and switch between high beams and low beams as appropriate.

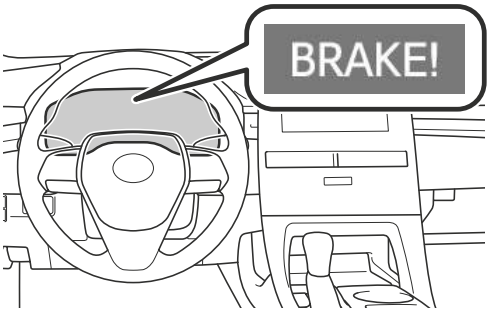
Road Sign Assist (RSA)
RSA is designed to recognize specific road signs using the forward-facing camera to provide information to the driver via the display.

Sensors

TSS 2.5+ combines a forward-facing camera mounted in front of the inside rear view mirror and a grille-mounted radar mounted in the front grille. These sensors support the driver assist systems.



Pre-Collision System with Pedestrian Detection (PCS w/PD)



The Pre-Collision System with Pedestrian Detection (PCS w/PD) is designed to help detect a vehicle, a bicyclist, or a pedestrian in certain situations. Using both a camera and radar, PCS w/ PD can provide an audio/visual alert to warn you of a possible collision under certain circumstances. If you don't react, the system is designed to automatically brake.

As there is a limit to the degree of recognition accuracy and control performance that this system can provide, do not overly rely on this system. This system will not prevent collisions or lessen collision damage or injury in every situation. Do not use PCS instead of normal braking operations under any circumstances. Do not attempt to test the operation of the Pre-Collision System yourself, as the system may not operate or engage, possibly leading to an accident. In some situations, such as when driving in inclement weather such as heavy rain, fog, snow or a sandstorm or while driving on a curve and for a few seconds after driving on a curve, a vehicle or pedestrian or bicyclist may not be detected by the radar and camera sensors, preventing the system from operating or engaging properly.

See www.toyota.com/safety-sense for more information.

Refer to the Toyota Owner's Manual for a list of additional situations in which the system operation may be limited.

PRE-COLLISION SYSTEM (CONTINUED)

Pre-Collision Warning
When the system determines that the possibility of a frontal collision is high, a buzzer will sound and a warning message will be displayed on the Multi-Information Display (MID) to urge the driver to take evasive action.

Pre-Collision Brake Assist
If the driver notices the hazard and brakes, the system may provide additional braking force using Brake Assist. This system may prime the brakes and may apply greater braking force in relation to how strongly the brake pedal is depressed.

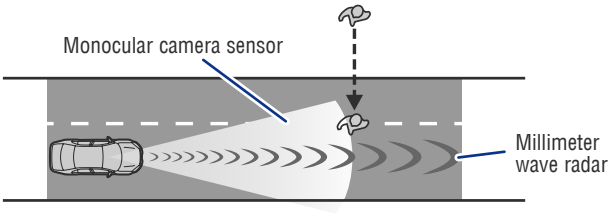
Pre-Collision Braking
If the driver does not brake in a set time and the system determines that the possibility of a frontal collision with a preceding vehicle is extremely high, the system may automatically apply the brakes, reducing speed in order to help the driver reduce the impact and in certain cases avoid the collision.

Suspension control (if equipped)
When the system determines that the possibility of a frontal collision is high, the Adaptive Variable Suspension System will control the damping force of the shock absorbers to help maintain an appropriate vehicle posture.

Refer to the Toyota Owner's Manual for additional information on PCS w/PD operation, settings, adjustments, limitations, and precautions before attempting to use it.

PCS PEDESTRIAN DETECTION

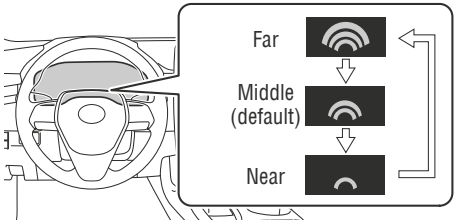
Under certain conditions, the PCS system included with the TSS 2.5+ package may also help to detect a pedestrian or bicyclist in front of your vehicle using the forward-facing camera and the front grille-mounted radar. The forward-facing camera of PCS detects a potential pedestrian or bicyclist based on size, profile, and motion of the detected pedestrian or bicyclist. However, a pedestrian or bicyclist may not be detected depending on the conditions, including the surrounding brightness and the motion, posture, size, and angle of the potential detected pedestrian or bicyclist, preventing the system from operating or engaging.



As part of the Pre-Collision System, this function is also designed to first provide an alert and then automatic braking if needed.

Refer to the Toyota Owner's Manual for additional limitations and information.

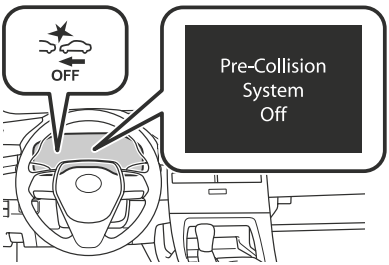
CHANGING PCS ALERT TIMING



(1) Press "⇕" switches and select "⚙" from the Multi-Information Display (MID).
(2) Press "⇕" or "〈〉" switches and select "(PCS)" and then press "OK." The setting screen is displayed.
(3) Press "⇕" or "〈〉" switches and select "Warning sensitivity" and then press and hold "OK" to select the desired setting. Each time it is pressed, the response to the PCS warning timing changes as shown above.
(4) You can press "↩" to go back to the menu.

Note: PCS is enabled each time the vehicle is turned on. The system can be disabled/enabled and the alert timing of the system can be changed. (Alert timing only, brake operation remains the same.)

DISABLING PRE-COLLISION SYSTEM (PCS)



(1) Press "⇕" switches and select "⚙" from the Multi-Information Display (MID).
(2) Press "⇕" or "〈〉" switches and select "(PCS)" and then press "OK." The setting screen is displayed.
(3) Press "⇕" or "〈〉" switches and select "PCS" and then press "OK" to select the desired setting.
(4) You can press "↩" to go back to the menu.

Note: The system is enabled each time the vehicle is turned on.

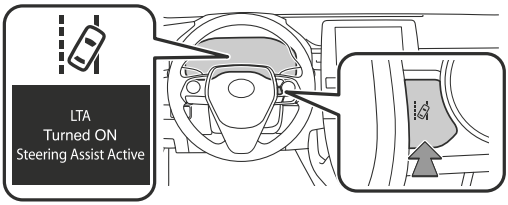
Refer to the Toyota Owner's Manual for additional information on PCS w/PD operation, settings, adjustments, limitations, and precautions before attempting to use it.

Lane Tracing Assist (LTA) System

TURNING THE LTA SYSTEM ON/OFF

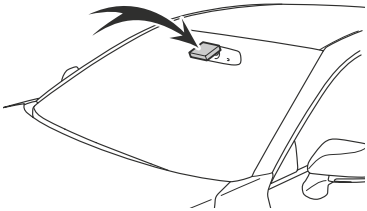
Press and hold the LTA switch to turn the LTA system OFF.

Press the LTA switch again to turn it on.



Note: Operation of the LTA system and setting adjustments continues in the same condition regardless of Ignition cycle until changed by the driver or the system is reset. The LTA indicator is illuminated when the LTA system is on.

LANE TRACING ASSIST SYSTEM



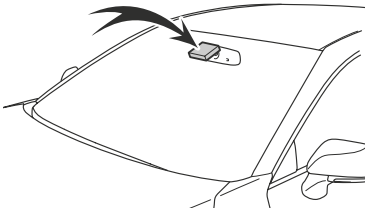
While driving on a road with clear white (yellow) lane lines, the LTA system warns the driver if the vehicle may deviate from the current lane or course, and also can slightly operate the steering wheel to help avoid deviation from the lane or course.

Functions included in the LTA system are Lane Departure Alert with Steering Assist, Vehicle Sway Warning and Lane Centering.

Refer to the Toyota Owner's Manual for additional information on LTA operation, settings, adjustments, limitations, and precautions before attempting to use it.

Lane Departure Alert with Steering Assist

Press and hold the LTA switch to deactivate Lane Departure Alert with Steering Assist.



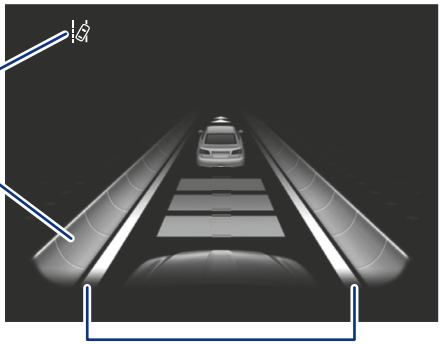
By detecting visible white/yellow lane markings or the road's edge at speeds above 32 mph, Lane Departure Alert with Steering Assist is designed to issue an audio/visual alert if an inadvertent lane departure is detected. If the driver does not take corrective action, the Steering Assist function is designed to provide gentle corrective steering.*

** See www.toyota.com/safety-sense for more information.*

Refer to the Toyota Owner's Manual for a list of additional situations in which the system operation may be limited.

LANE DEPARTURE ALERT

LTA system display



The LTA indicator is illuminated when Lane Departure Alert is active. The LTA indicator and lane markers flash orange when operating.

LANE DEPARTURE ALERT (CONTINUED)

(1)

(2)

The LTA system displays when the Multi-Information Display (MID) is switched to the driving assist system information screen.

(1) The system displays solid white lines on the Lane Departure Alert indicator when visible lane markers or the road are detected. A side flashes orange to alert the driver when the vehicle deviates from its lane.

(2) The system displays outlines on the Lane Departure Alert indicator when lane markers or the road are not detected or the function is temporarily canceled.

Note: When operation conditions are no longer met, a function may be temporarily canceled. However, when the operation conditions are met again, operation of the function is automatically restored. For example, Lane Departure Alert may not function on the side(s) where white/yellow lines are not detectable.

ADJUSTING LANE DEPARTURE ALERT SENSITIVITY

The driver can adjust the sensitivity of the Lane Departure Alert function from the Multi-Information Display (MID) customization screen.

High - Is designed to warn approximately before the front tire crosses the lane marker.
Standard - Is designed to warn approximately when the front tire crosses the lane marker.

(1) Press "⬍" switches and select "⚙" from the Multi-Information Display (MID).
(2) Press "⬍" or "〈〉" switches and select "" and then press "OK." The setting screen is displayed.
(3) Press "⬍" or "〈〉" switches and select "Sensitivity" and then press "OK" to select the desired setting.
(4) You can press "↩" to go back to the menu.

SWAY WARNING SYSTEM

Continuous lane deviations from swaying.

Gentle swaying from driver's inattentiveness.

Acute steering wheel operation after the number of operations decrease due to driver's inattentiveness.

Sway warning is a function of LTA and is designed to detect swaying based on the vehicle location in the lane and the driver's steering wheel operation. To help prevent swaying, the system alerts the driver using a buzzer sound and a warning display in the MID.

DISABLING LTA SWAY WARNING SYSTEM

(1) Press "⇕" switches and select "⚙" from the Multi-Information Display (MID).
(2) Press "⇕" or "〈 〉" switches and select "" and then press "OK." The setting screen is displayed.
(3) Press "⇕" or "〈 〉" switches and select "Sway warning" and then press "OK" to select the desired setting.
(4) You can press "↩" to go back to the menu.

Note: Operation of the LTA system and setting adjustments continues in the same condition regardless of Ignition cycle until changed by the driver or the system is reset.

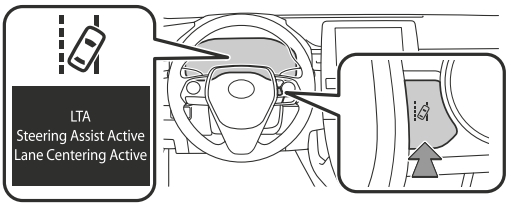
ADJUSTING SWAY ALERT SENSITIVITY

(1) Press "⇕" switches and select "⚙" from the Multi-Information Display (MID).
(2) Press "⇕" or "〈 〉" switches and select "" and then press "OK." The setting screen is displayed.
(3) Press "⇕" or "〈 〉" switches and select "Sway sensitivity" and then press "OK" to select the desired setting.
(4) You can press "↩" to go back to the menu.

Refer to the Toyota Owner's Manual for additional information on LTA operation, settings, adjustments, limitations, and precautions before attempting to use it.

Lane Tracing Assist (LTA) with Lane Centering

Press and hold the LTA switch to deactivate Lane Tracing Assist.



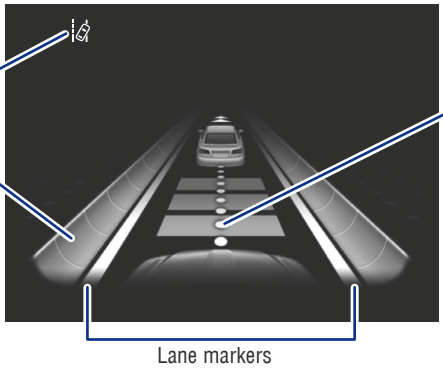
When Full-Speed Range Dynamic Radar Cruise Control (DRCC) is enabled and lane markers are detectable, Lane Tracing Assist (LTA) uses the lines on the road and/or preceding vehicles to help keep the vehicle centered in its lane.

See www.toyota.com/safety-sense for more information.

Refer to the Toyota Owner's Manual for a list of additional situations in which the system operation may be limited.

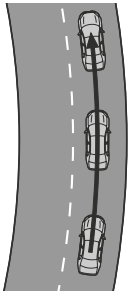
LANE TRACING ASSIST w/LANE CENTERING

LTA system display



The lane centering function is linked with Full-Speed Range Dynamic Radar Cruise Control (DRCC) and provides the required assistance by operating the steering wheel to keep the vehicle in its current lane.

When Full-Speed Range Dynamic Radar Cruise Control (DRCC) is not operating, the lane centering function does not operate.



DISABLING LANE CENTERING FUNCTION

(1) Press "⌃⌄" switches and select "⚙" from the Multi-Information Display (MID).
(2) Press "⌃⌄" or "〈〉" switches and select "" and then press "OK." The setting screen is displayed.
(3) Press "⌃⌄" or "〈〉" switches and select "Lane center" and then press "OK" to select the desired setting.
(4) You can press "↩" to go back to the menu.

Note: Operation of the LTA system and setting adjustments continues in the same condition regardless of Ignition cycle until changed by the driver or the system is reset.

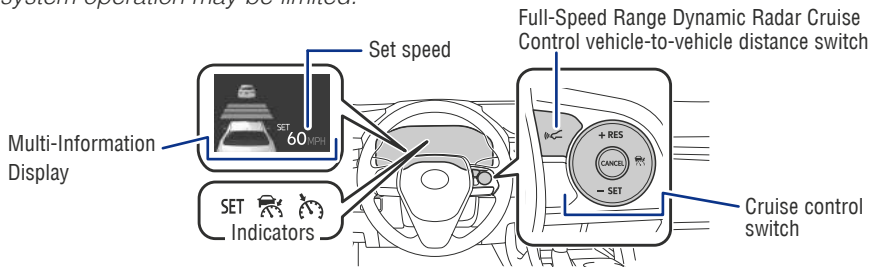
Refer to the Toyota Owner's Manual for additional information on LTA operation, settings, adjustments, limitations, and precautions before attempting to use it.

Full-Speed Range Dynamic Radar Cruise Control (DRCC)

Intended for highway use, Full-Speed Range Dynamic Radar Cruise Control (DRCC) lets you drive at a preset speed. The system is designed to function between 0-110 mph* and uses vehicle-to-vehicle distance control, helping maintain a preset distance from the vehicle ahead of you.*

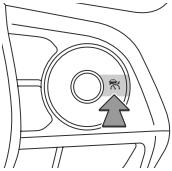
** See www.toyota.com/safety-sense for more information.*

Refer to the Toyota Owner's Manual for a list of additional situations in which the system operation may be limited.



TURNING SYSTEM ON/OFF

(1)

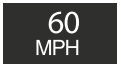


Press the cruise control main switch to turn DRCC on.

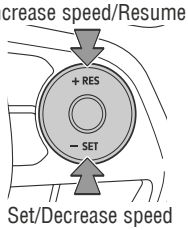
Press it again to turn it off.

Refer to page 45 for switching to Constant Speed (Cruise) Control Mode.

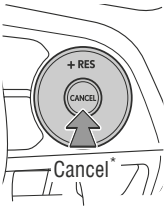
ADJUSTING SET SPEED



(2)



(3)



Vehicle will cruise at a set speed, decelerate to maintain a selected distance from a slower vehicle traveling in front and accelerate back up to the selected speed if the vehicle in front changes lanes or speeds up.

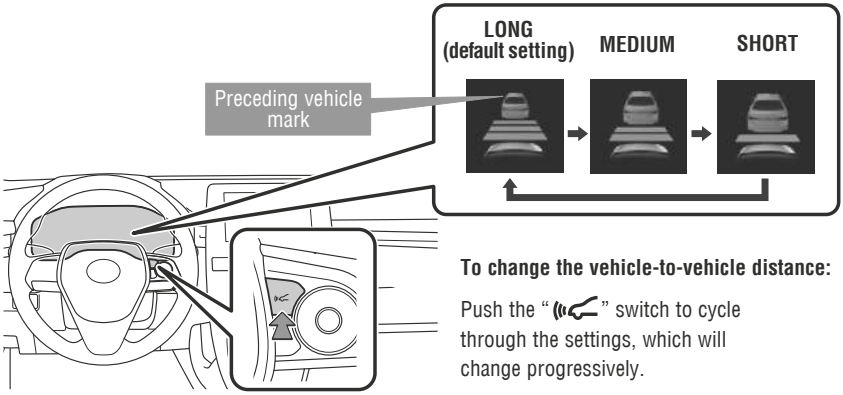
(1) Push " " to turn DRCC system ON. The "RADAR READY" and " " indicator will come on the Multi-Information Display (MID).

(2) Use the steering wheel controls to increase speed by pushing **"+RES"** or decrease the speed by pushing **"-SET."** Push and hold to make a large adjustment or push each time to make fine adjustments (1 mph [1.6 km/h] or 1 km/h [0.6 mph] increments).

(3) Push **"Cancel"** to cancel the speed control.

* The speed control may also be canceled by depressing the brake pedal.

ADJUSTING DISTANCE

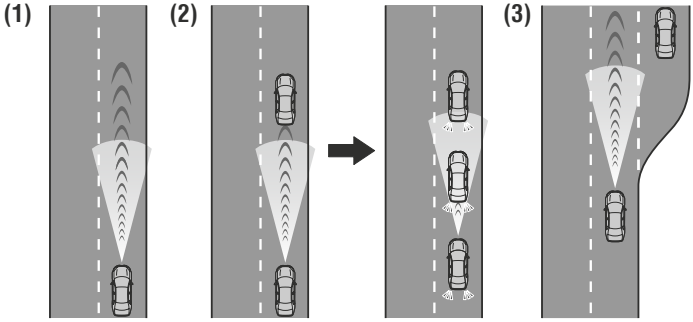


To change the vehicle-to-vehicle distance:

Push the "" switch to cycle through the settings, which will change progressively.

This mode employs a radar sensor to detect the presence of a preceding vehicle up to approximately 328 ft (100 m) ahead, determines the current vehicle-to-vehicle following distance and operates to maintain a preset following distance from the vehicle ahead. These distances vary based on the vehicle speed.

Note: Vehicle-to-vehicle distance will close in when traveling on long downhill slopes.



(1) **Constant speed cruising when there are no vehicles ahead**
The vehicle travels at the speed set by the driver. The desired vehicle-to-vehicle distance can also be set by operating the vehicle-to-vehicle distance control switch.

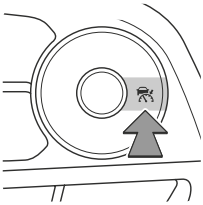
(2) **Deceleration cruising and follow-up cruising when a preceding vehicle driving slower than the set speed appears**
When a slower vehicle is detected running ahead of you, the system automatically decelerates your vehicle. When a greater reduction in vehicle speed is necessary, the system may apply the brakes (the brake lights will come on at this time). The system will respond to changes in the speed of the vehicle ahead in order to maintain the vehicle-to-vehicle distance set by the driver. A warning tone warns you when the system cannot decelerate sufficiently to prevent your vehicle from closing in on the vehicle ahead.

ADJUSTING DISTANCE (CONTINUED)

(3) **Acceleration when there are no longer any preceding vehicles driving slower than the set speed**
The system accelerates until the set speed is reached. The system then returns to constant speed cruising.

Note: When your vehicle is too close to a vehicle ahead, and sufficient automatic deceleration via the cruise control is not possible, the display will flash and the buzzer will sound to alert the driver. An example of this would be if another driver cuts in front of you while you are following a vehicle. Depress the brake pedal to ensure an appropriate vehicle-to-vehicle distance.

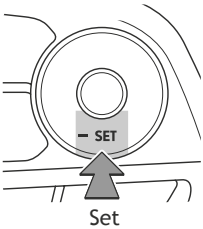
SWITCHING TO CONSTANT SPEED (CRUISE) CONTROL MODE



If you are already using DRCC “ ,” push “ ” to turn the system off first, then push and hold the switch for at least 1.5 seconds to switch.

Note: When the engine is turned off, it will automatically default to DRCC.

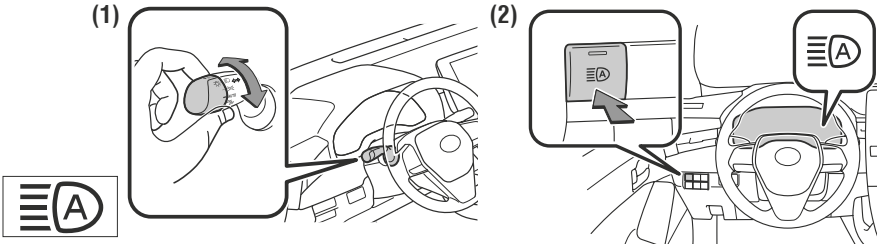
SETTING CONSTANT SPEED (CRUISE) CONTROL



To adjust speed or cancel, see steps (2) and (3) of ADJUSTING SET SPEED on page 43.

Refer to the Toyota Owner’s Manual for additional information on DRCC operation, settings, adjustments, limitations, and precautions before attempting to use it.

Automatic High Beams (AHB)



The Automatic High Beams (AHB) safety system is designed to help you see more clearly at night. At speeds above 25 mph, AHB can detect the headlights of oncoming vehicles and taillights of preceding vehicles, then automatically toggles between high and low beams accordingly.

See Toyota.com/safety-sense for more information.

Refer to the Toyota Owner's Manual for a list of additional situations in which the system operation may be limited.

ACTIVATING THE AHB SYSTEM

(1) Turn the headlight switch to the "" or "AUTO" position.

(2) Press the "" switch.

The AHB indicator will come on when the headlights are turned on automatically to indicate that the system is active.

Note: Push the lever away from you to manually turn on high beams. Press the AHB switch to turn the AHB system off.

The AHB indicator will turn off and "" or "" will turn on. To activate the system again, push the lever its original position or press the "" switch.

CONDITIONS WHERE AHB WILL TURN ON/OFF AUTOMATICALLY

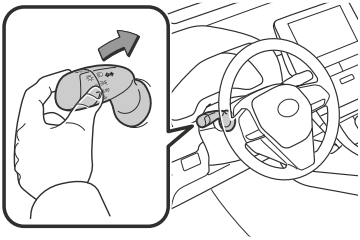
When all of the following conditions are met, the high beams will be automatically turned on (after approximately 1 second):

- Vehicle speed is above approximately 21 mph (34 km/h).
- The area ahead of the vehicle is dark.
- There are no oncoming or preceding vehicles with headlights or tail lights turned on.
- There are few street lights on the road ahead.

If any of the following conditions occur, the high beams will be automatically turned off:

- Vehicle speed drops below approximately 17 mph (27 km/h).
- The area ahead of the vehicle is not dark.
- Oncoming or preceding vehicles have headlights or tail lights turned on.
- There are many streetlights on the road ahead.

TEMPORARILY SWITCHING TO THE LOW BEAMS



Pull the lever toward you and then return it to its original position to switch to the low beams temporarily.

The high beams are on while the lever is pulled toward you, however, after the lever is returned to its original position, the low beams remain on for a certain amount of time. Afterwards, the Automatic High Beams will be activated again.

NOTE: It is recommended to switch to the low beams when the high beams may cause problems or distress to other drivers or pedestrians nearby.

Refer to the Toyota Owner's Manual for additional information on AHB operation, settings, adjustments, limitations, and precautions before attempting to use it.

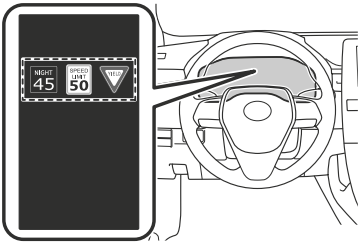
Road Sign Assist (RSA)

Using an intelligent camera, Road Sign Assist (RSA) is designed to detect speed limit signs, stop signs, do not enter signs and yield signs, and display them on the Multi-Information Display (MID).*

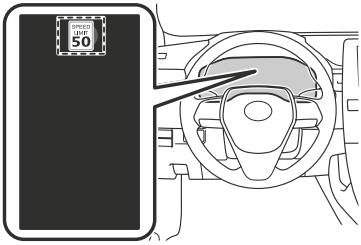
** All vehicle actions must be driver-initiated and are not automated. See www.toyota.com/safety-sense for model applicability.*

Refer to the Toyota Owner's Manual for a list of additional situations in which the system operation may be limited.

RSA DISPLAY



When the driving assist system information display is selected, a maximum of 3 signs can be displayed.



When a tab other than the driving assist system information is selected, the following types of road signs will be displayed.

- Speed limit sign
- Do Not Enter sign (when notification is necessary)

SUPPORTED TYPES OF ROAD SIGNS

Speed limit

Stop

Do Not Enter

Yield

SETTING RSA

(1) Press "⌃⌄" switches and select "⚙" from the Multi-Information Display (MID).

(2) Press "〈〉" switches and select "🔑" and then press "OK." The setting screen is displayed.

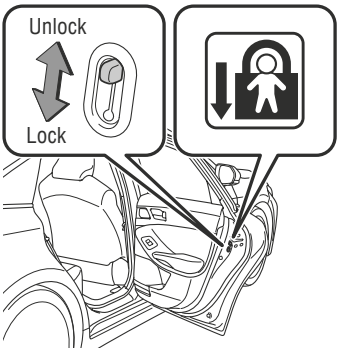
(3) Press "〈〉" switches and select "RSA" and then press "OK" to select desired setting.

(4) Press "↩" to go back to the menu.

Note: If the vehicle was last turned off while a speed limit sign was displayed on the Multi-Information Display (MID), the same sign displays again when the vehicle is turned back ON.

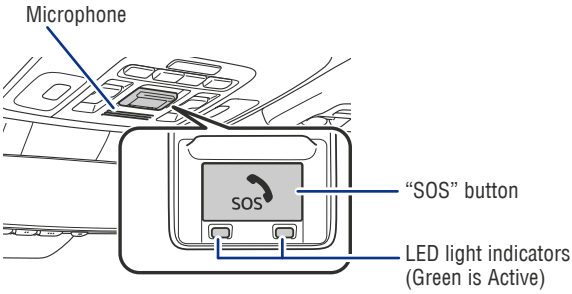
Refer to the Owner's Manual for additional information on RSA operation, settings, adjustments, limitations, and precautions before attempting to use it.

Rear door child safety locks



Moving the lever downward will allow the door to be opened only from the outside.

Safety Connect®

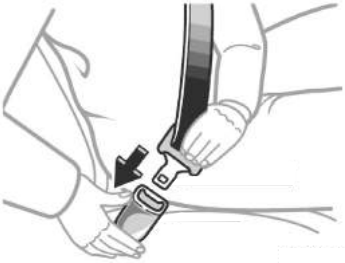


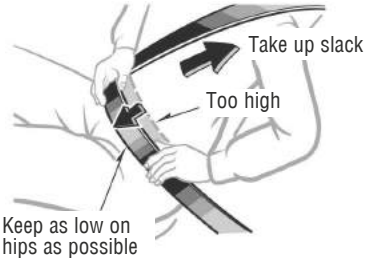
Safety Connect is a subscription-based telematics service that uses Global Positioning System (GPS) data and embedded cellular technology to provide safety and security features to subscribers. Safety Connect is staffed with live agents at the Toyota response center, which operates 24 hours per day, 7 days per week.

Services for subscribers include:
- Automatic collision notification
- Stolen vehicle locator
- Emergency assistance ("SOS" button)
- Enhanced roadside assistance

For limitations and additional information, refer to the "Owner's Manual" or visit www.toyota.com/connected-services.

Seat belts

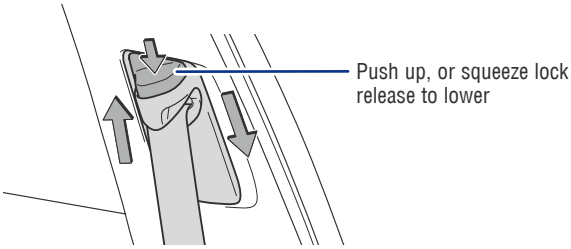




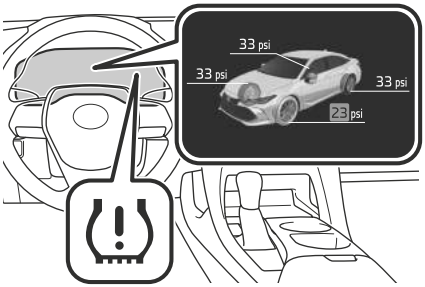
NOTE: If a passenger's seat belt is fully extended, then retracted even slightly, the Automatic locking retractor (ALR) will prevent it from being re-extended beyond that point, unless fully retracted again. This feature is used to help hold child restraint systems securely.

To find more information about seat belts, and how to install a child restraint system, refer to the Owner's Manual.

Seat belts-Shoulder belt anchor



Tire Pressure Monitoring (warning) System (TPMS)



The tire pressure warning system can be selected on "⚙" of the Multi-information display (MID).

System reset initialization

(1) Press "⌃⌄" switches and select "⚙" from the Multi-Information Display (MID).

(2) Press "⌃⌄" or "〈〉" switches and select the "🚗," then press and hold "OK."

(3) Press "⌃⌄" or "〈〉" switches and select "TPWS" and then press "OK."

(4) Press "Set Pressure" then press and hold "OK" until the warning light blinks three times.

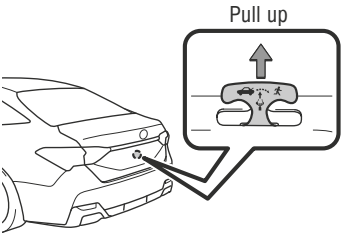
The tire pressure detected by the tire pressure warning system can be displayed on the Multi-information display (MID).

If the tire pressure indicator flashes for 1 minute and then remains on, take the vehicle to your local Toyota dealer.

Refer to the load label on the door jamb or the Owner's Manual for tire inflation specifications.

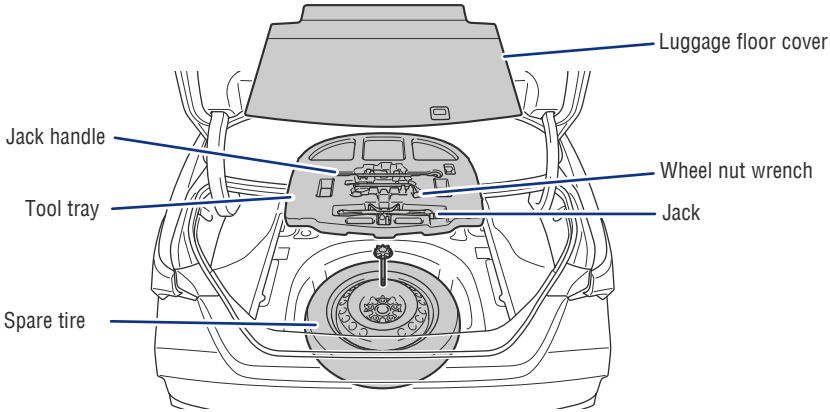
NOTE: The warning light may come on due to temperature changes or changes in tire pressure from natural air leakage. If the system has not been initialized recently, setting the tire pressures to factory specifications should turn off the light.

Trunk-Internal release



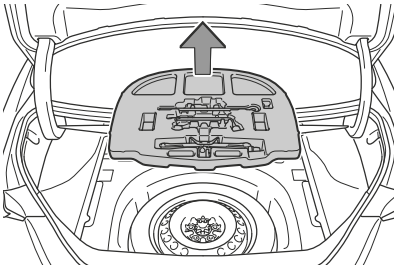
Spare tire & tools

TOOL LOCATION

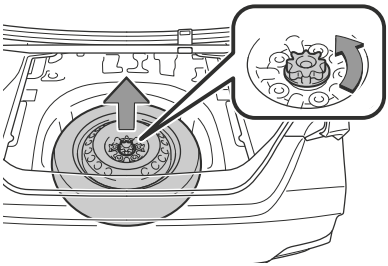


REMOVE THE SPARE TIRE

(1) Remove the tool tray.



(2) Loosen the center fastener that secures the spare tire.



Refer to the Owner's Manual for tire changing and jack positioning procedures.

Star Safety System™

Your vehicle comes standard with the Star Safety System™, which combines Anti-lock Braking System (ABS), Brake Assist (BA), Electronic Brake-force Distribution (EBD), Smart Stop Technology (SST), Traction Control (TRAC) and Vehicle Stability Control (VSC).

Refer to the Owner's Manual for more details and important information on limitations to these systems.

ANTI-LOCK BRAKE SYSTEM (ABS)

Toyota's Anti-lock Brake System detects which wheels are locking up and limits wheel lockup by "pulsing" each wheel's brakes independently. Pulsing releases brake pressure repeatedly for fractions of a second. This helps the tires attain the traction that current road conditions will allow, helping you to stay in directional control.

BRAKE ASSIST (BA)

Brake Assist is designed to detect sudden or "panic" braking, and then add braking pressure to help decrease the vehicle's stopping distance. When there's only a split second to react, Brake Assist can add additional brake pressure more quickly than just the driver alone can.

ELECTRONIC BRAKE FORCE DISTRIBUTION (EBD)

Toyota's ABS technology has Electronic Brake-force Distribution (EBD) to help maintain control and balance when braking. EBD responds to sudden stops by redistributing brake force to enhance the braking effectiveness of all four wheels.

SMART STOP TECHNOLOGY (SST)

Smart Stop Technology automatically reduces engine power when the accelerator and brake pedals are pressed simultaneously under certain conditions.

SST engages when the accelerator is depressed first and the brakes are applied firmly for longer than one-half second at speeds greater than five miles per hour.

SST doesn't engage if the brake pedal is depressed before the accelerator pedal, allowing vehicles to start on a steep hill and safely accelerate without rolling backward.

ENHANCED VEHICLE STABILITY CONTROL (VSC)

Enhanced Vehicle Stability Control provides cooperative control of the ABS, TRAC, VSC and EPS.

Enhanced VSC helps to maintain directional stability when loss of traction occurs during a turn.

TRACTION CONTROL (TRAC)

VSC helps prevent loss of traction during cornering by reducing engine power, and Traction Control helps maintain traction on loose gravel and wet, icy, or uneven surfaces by applying brake force to the spinning wheel(s).

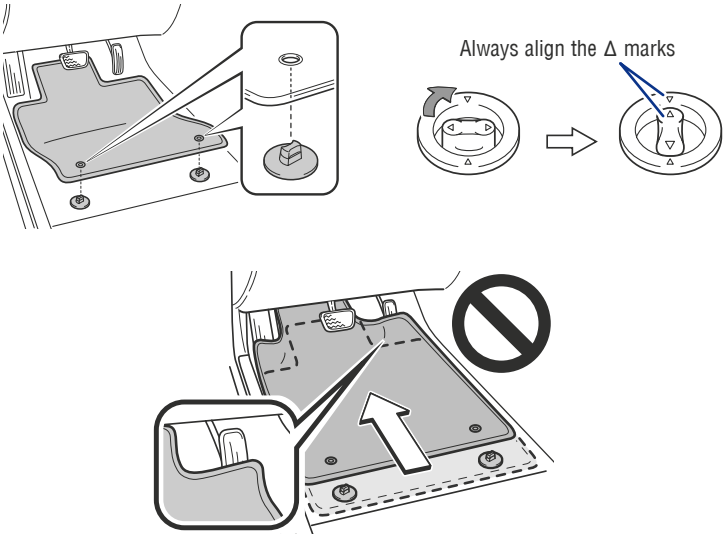
Toyota's TRAC sensors are activated when one of the drive wheels starts to slip. TRAC limits engine output and applies the brakes to the spinning wheel. This transfers power to the wheels that still have traction to help keep you on track.

Floor mat installation

There are two types of Toyota floor mats: carpeted and all-weather. Each vehicle has model-specific floor mats. Installation is easy.

To keep your floor mat properly positioned, follow these steps:

- Only use Toyota floor mats designed for your specific model.
- Only use one floor mat at a time, using the retaining hooks to keep the mat in place.
- Install floor mats right side up.



BLUETOOTH® DEVICE PAIRING SECTION

Do not attempt the Bluetooth® Pairing process while driving.

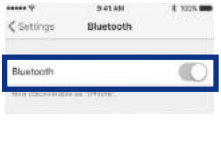
To begin the Bluetooth® Pairing process, press the HOME button.

Bluetooth® Pairing for your phone

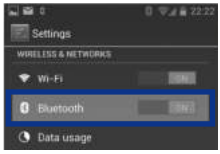
Pairing your phone is the first step in connecting with your Toyota. This pairing process is quick and easy. All you have to do is setup the phone and multimedia system to form a connection.

Audio / Audio Plus / Premium Audio

STEP 1 Press [MENU], then select “Setup” on display screen.

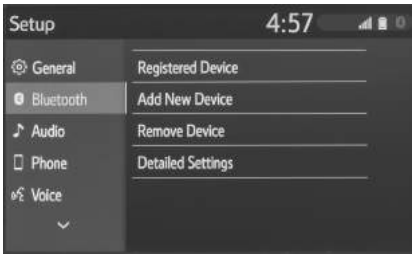


iPhone bluetooth Menu

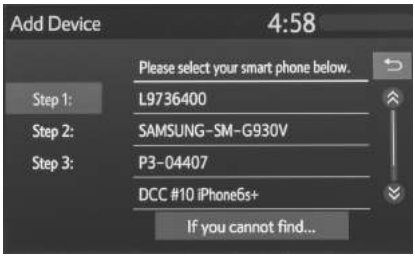


Android bluetooth Menu[1]

STEP 2 Ensure Bluetooth is turned on for your phone.



STEP 3 Select "Bluetooth," then select "Add New Device" on display screen.



STEP 4 Select "Phone Name."

STEP 5 Check the display on your phone. Does the PIN XXXX match the PIN displayed? If it does, select "Pair."

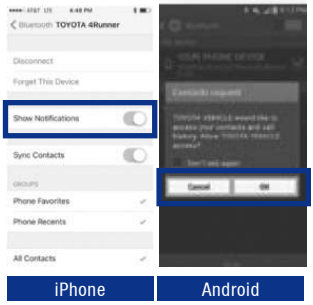
[1] Some Android devices may have slightly different SETTINGS screen layout depending on manufacturer of device and Android OS version.

Bluetooth® Pairing for your phone (cont.)

STEP 6 "Connecting" displays while phone is forming the connection to the multimedia system.

STEP 7 Enable Notifications (text message). While pairing your phone, a message will be displayed:
"You may need to allow message access on your phone."

Note: You may also select "Skip" on display screen to skip enabling notifications.
If skipped, proceed to **Step 8**.



STEP 8 Turn on "Show Notifications" for iPhone or "ON" for Android.

STEP 9 A confirmation will appear once your phone has been paired and connected.

TOYOTA

Quick Reference Guide 2022

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