

HIGHLANDER

POWERED
BY



2009 Quick Reference Guide

2009 Highlander 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 Sales, U.S.A., Inc. wish you many years of satisfied driving in your new Highlander Hybrid.

! A word about safe vehicle operations

This *Quick Reference Guide* is not a full description of Highlander Hybrid operations. Every Highlander Hybrid 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 safe 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.

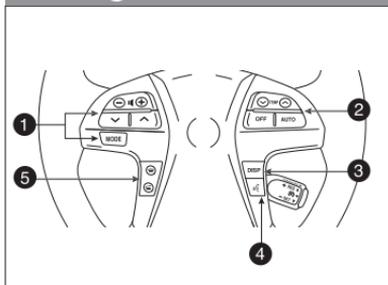
² Programmable by customer. Refer to the Owner's Manual for instructions and more information.

³ HomeLink® is a registered trademark of Johnson Controls, Inc.

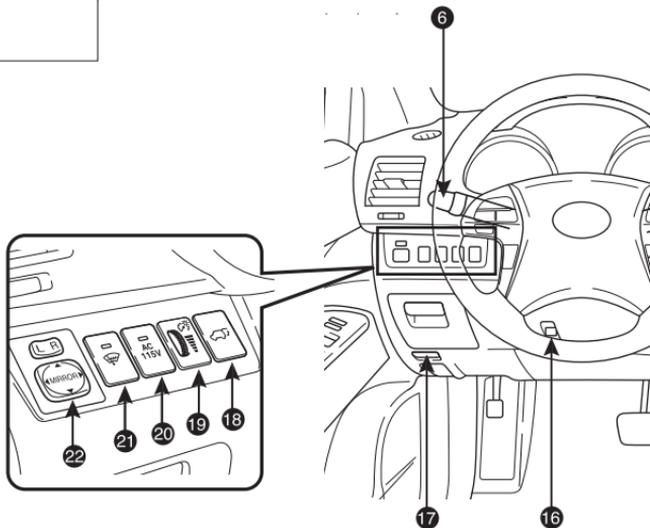
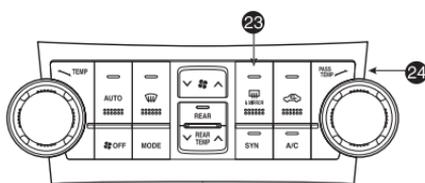
OVERVIEW

Instrument panel

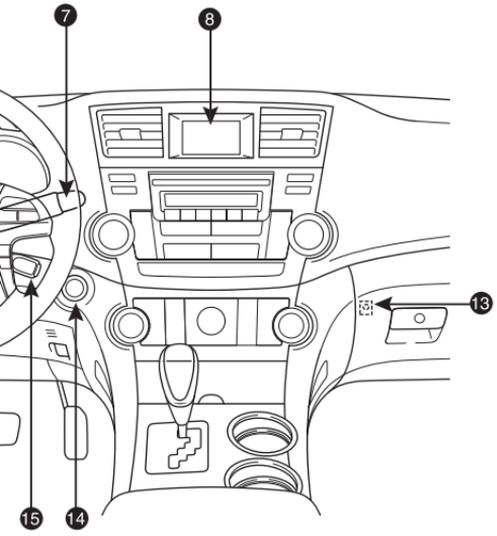
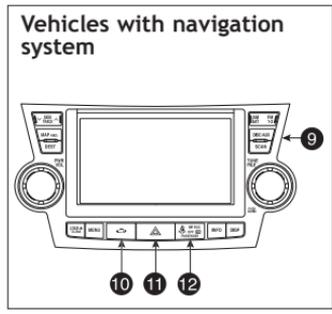
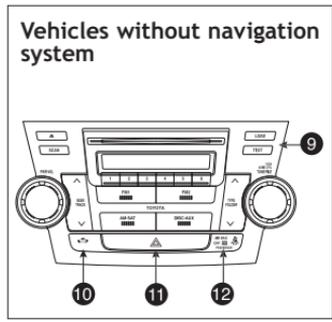
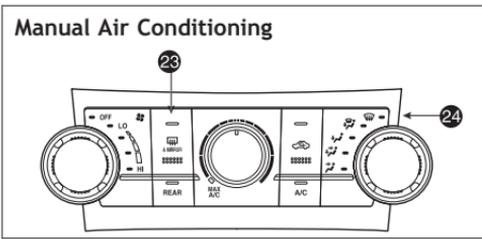
Steering wheel controls



Automatic Air Conditioning



- 1 Steering wheel audio controls
- 2 Steering wheel climate controls¹
- 3 Multi-information display button
- 4 Voice command button^{1,2}
- 5 Telephone controls^{1,2}
- 6 Headlight and turn signal controls/Headlight, turn signal and front fog light controls¹
- 7 Wiper and washer controls
- 8 Multi-information display
- 9 Audio system or navigation system-integrated audio system^{1,2}
- 10 Theft deterrent system/Immobilizer indicator¹
- 11 Emergency flasher button
- 12 "AIR BAG ON" and "AIR BAG OFF" indicator and front passenger seatbelt reminder lights
- 13 Power back door main switch¹
- 14 Power button
- 15 Cruise control

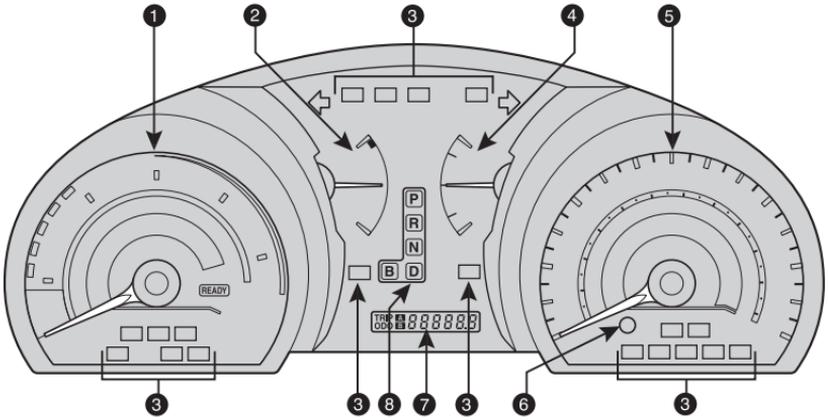


- 16 Tilt and telescopic steering lock release
- 17 Fuel filler door opener
- 18 Power back door button
- 19 Instrument panel light control
- 20 115V AC Power outlet ON/OFF switch¹
- 21 Windshield wiper de-ice switch¹
- 22 Power rearview mirror control
- 23 Outside rearview mirror¹/Back window defogger button
- 24 Air Conditioning controls

¹ If equipped

² For vehicles with a navigation system, refer to the "Navigation System Owner's Manual."

Instrument cluster



- ❶ Power meter
- ❷ Engine coolant temperature
- ❸ Service indicator and reminder
- ❹ Fuel gauge
- ❺ Speedometer
- ❻ Trip meter reset knob
- ❼ Odometer and two trip meters
- ❽ Transmission shift position indicator

Indicator symbols

For details, refer to “Indicators and warning lights,” Section 2-2, 2009 Owner’s Manual.

	Brake system warning ¹
	Brake system warning light (yellow indicator) ¹
	Driver seatbelt reminder (alarm will sound if speed is over 12 mph)
	Front passenger seatbelt reminder (alarm will sound if speed is over 12 mph)
	Charging system warning ¹
	Front passenger occupant classification or front passenger airbag ON/OFF indicator ¹

¹ If indicator does not turn off within a few seconds of starting engine, there may be a malfunction. Have vehicle inspected by your Toyota dealer.

	Malfunction/Check Engine indicator ¹
	Low fuel level warning
	Open door warning
	Airbag SRS warning ¹
	Master warning
	Low Tire Pressure Warning ¹
	Electric power steering system warning ¹
	Theft deterrent/Engine immobilizer system indicator
	Headlight low/high beam indicator
	Turn signal indicator
	READY indicator
	EV Drive Mode indicator
	Eco Driving Mode indicator
	Front fog light indicator
	Slip indicator/Hill-start Assist Control indicator ¹
	Cruise control indicator ²
	Anti-lock Brake System warning ¹
	Variable economy zone indicator

² If this light flashes, refer to “Cruise control,” Section 2-4, 2009 Owner’s Manual.

OVERVIEW

Keyless entry

Locking operation



Push 

Unlocking operation



Push ONCE: Driver door
TWICE: All doors



NOTE: If a door is not opened within 30 seconds of unlocking, all doors will relock for safety.

Power back door operation (if equipped)



Push and hold



Panic button

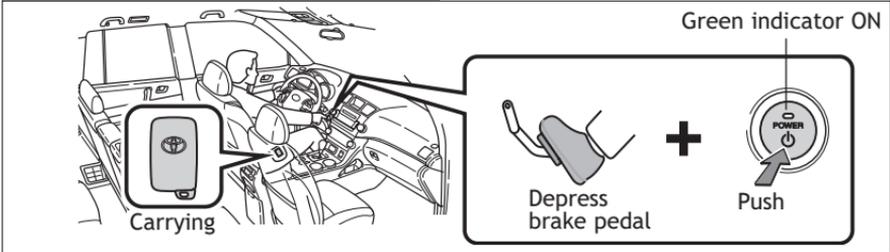


Push and hold



Smart Key system

Start function



NOTE: Gear shift lever must be in Park and brake pedal depressed.

Power (without starting Hybrid System)

Without depressing the brake pedal, pressing the “ENGINE START STOP” switch will change the operation mode in succession from:

ACCESSORY

Accessories such as the radio will operate.

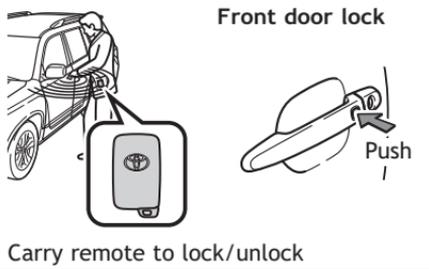
ON

Power ON; Hybrid System is not engaged.

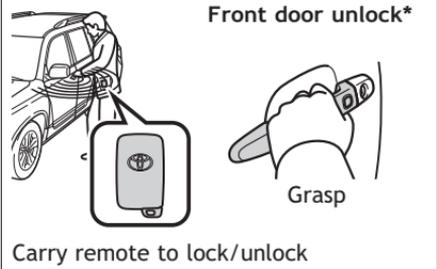
OFF

All systems OFF.

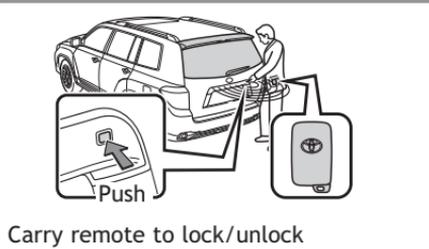
Locking operation



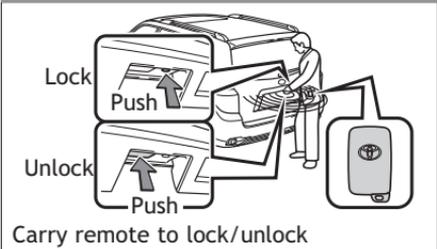
Unlocking operation



Glass hatch unlock



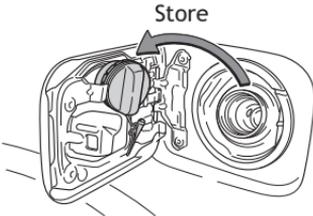
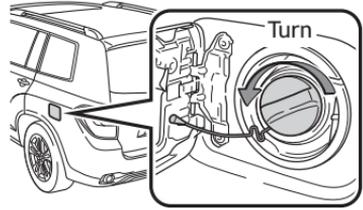
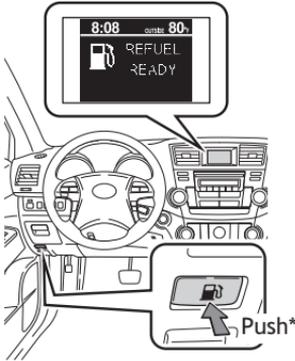
Back door lock/unlock



* Driver door unlocking function can be programmed to unlock driver door only, or all doors. Grasping passenger door handle will unlock all doors.

NOTE: Doors may also be locked/unlocked using remote.

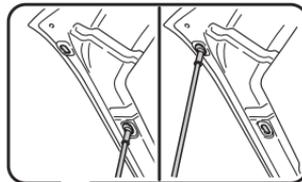
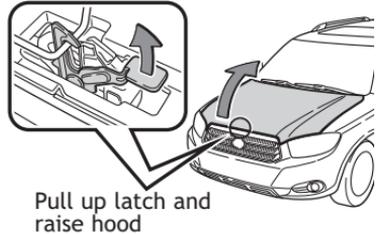
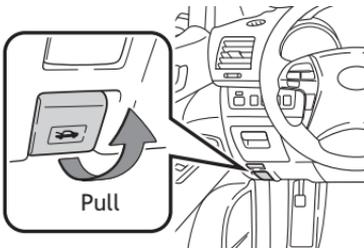
Fuel tank door release and cap



* It may take up to 10 seconds after pushing button for the door to open if the internal tank pressure is high.

NOTE: Tighten until one click is heard. If the cap is not tightened enough, Check Engine “” indicator may illuminate.

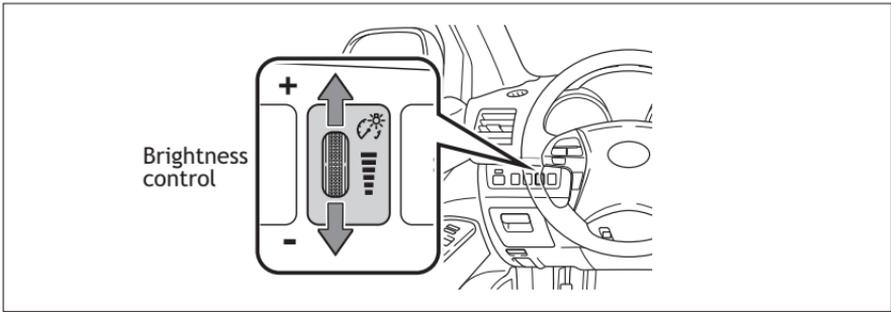
Hood release



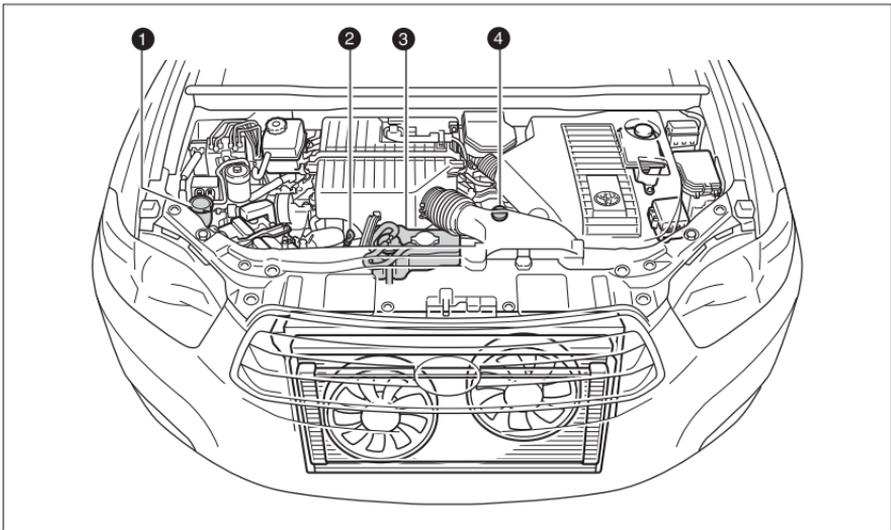
Engage support rod



Light control-Instrument panel



Engine maintenance



- 1 Windshield washer fluid tank
- 2 Engine oil level dipstick
- 3 Engine coolant reservoir
- 4 Engine oil filler cap

Note: *Regularly scheduled maintenance, including oil changes, will help extend the life of your vehicle and maintain performance. Please refer to the “Owner’s Warranty Information Booklet,” “Scheduled Maintenance Guide” or “Owner’s Manual Supplement.”*

FEATURES/OPERATIONS

Hybrid Synergy Drive System

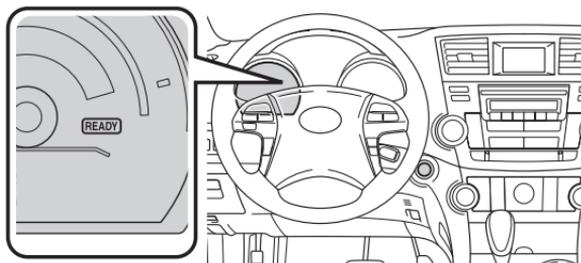
The Hybrid Synergy Drive System utilizes a computer-controlled gasoline engine and electric motor to provide the most efficient combination of power for the vehicle. To conserve energy, when the brakes are applied the braking force generates electricity which is then sent to the traction battery. In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

Note: Fuel consumption and energy information of the Hybrid System are shown on the multi-information display and/or navigation system screen (if equipped).

Tips for improved fuel economy

- Ensure tire pressures are maintained at levels specified in the *Owner's Manual*.
- When possible, link trips to reduce engine cold starts.
- Avoid driving at speeds that are higher than necessary, especially on the highway.
- When possible, avoid sudden stops to maximize regenerative braking energy.
- Minimize use of the Air Conditioning.

Starting the Hybrid System



- (1) Put the selector lever in "P."
- (2) Depress the brake pedal, and press the "POWER" switch briefly and firmly.
- (3) The "READY" light will blink. After a few seconds, when the light remains steady and a beep sounds, you may begin driving.

Auto lock functions

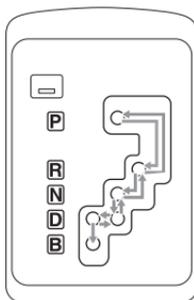
Automatic door locks can be programmed to operate in two different modes, or turned OFF.

- Doors lock when shifting from Park.
- Doors unlock when shifting into Park.

Refer to the *Owner's Manual* for more details.

Transmission

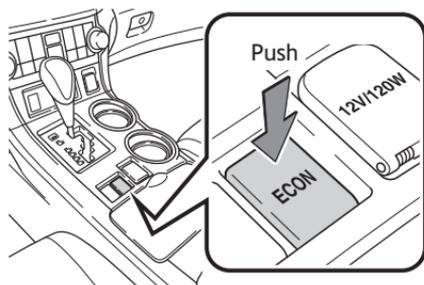
P	Park ¹
R	Reverse
N	Neutral
D	Drive
B	Engine braking ²



¹ The “POWER” switch must be “ON” and the brake pedal depressed to shift from Park.

² The engine brake is the equivalent of downshifting. Shift to “B” when engine braking is desired (i.e. downhill driving, coasting to a stop, etc.).

Eco Driving Mode

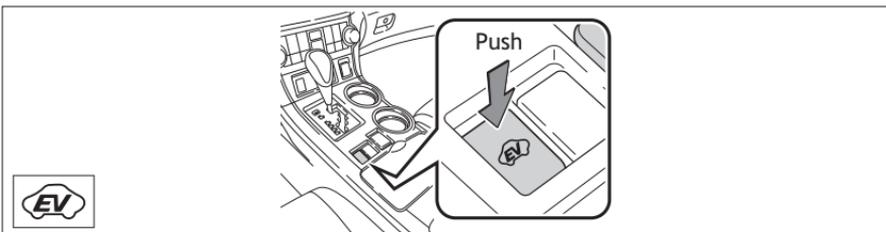


ECON

Eco Driving Mode helps achieve low fuel consumption during trips that involve frequent accelerating and braking.

Refer to the *Owner's Manual* for more details.

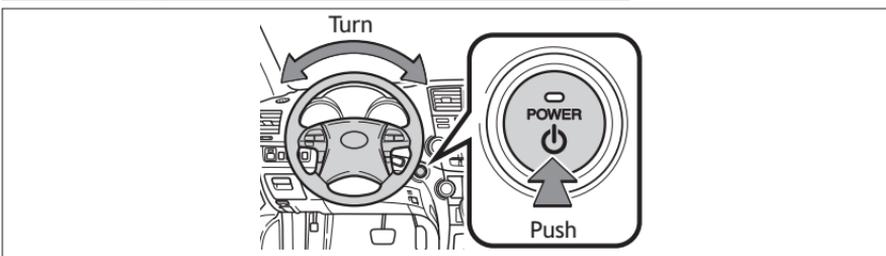
EV-Drive Mode



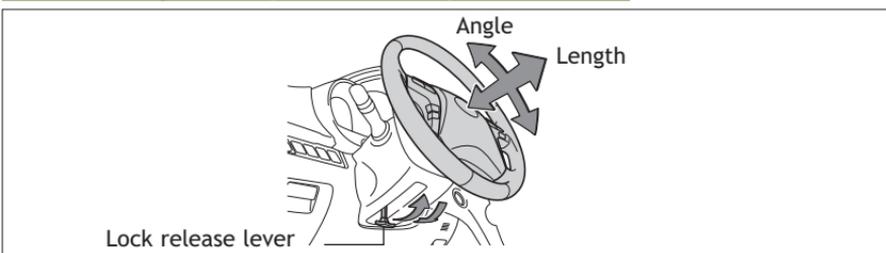
EV-Drive Mode allows the electric motor (traction motor), powered by the hybrid battery (traction battery), to be used to drive the vehicle.

Refer to the *Owner's Manual* for more details.

Steering lock release



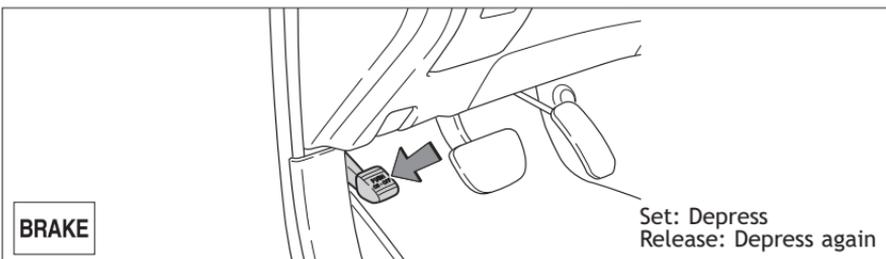
Tilt and telescopic steering wheel



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

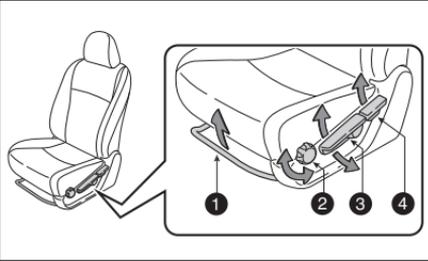
Note: Do not attempt to adjust while the vehicle is in motion.

Parking brake

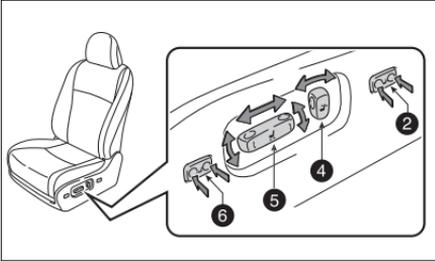


Seat adjustments-Front

Manual seat



Power seat

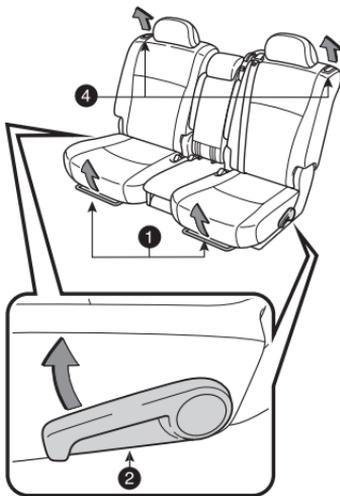


- 1 Seat position (forward/backward)
- 2 Lumbar support (driver side only)
- 3 Height crank (driver side only)
- 4 Seatback angle
- 5 Seat position, cushion angle and height
- 6 Driver seat leg support (if equipped)

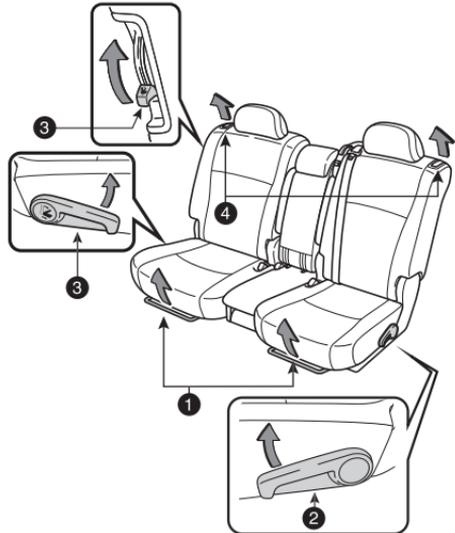
Seat adjustments-Rear

Second row seat

Without third seat



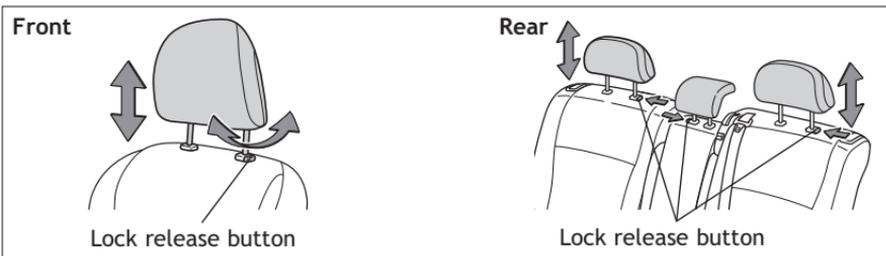
With third seat



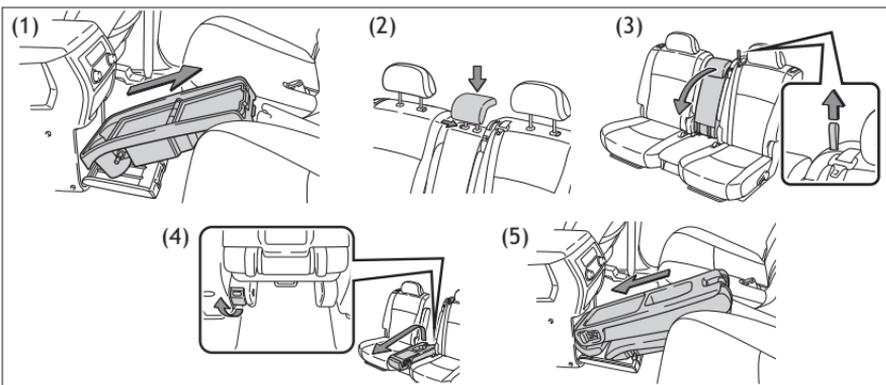
- 1 Seat position (forward/backward)
- 2 Seatback angle
- 3 Third seat access lever
- 4 Seatback release

Refer to the *Owner's Manual* for more details.

Seats-Head restraints



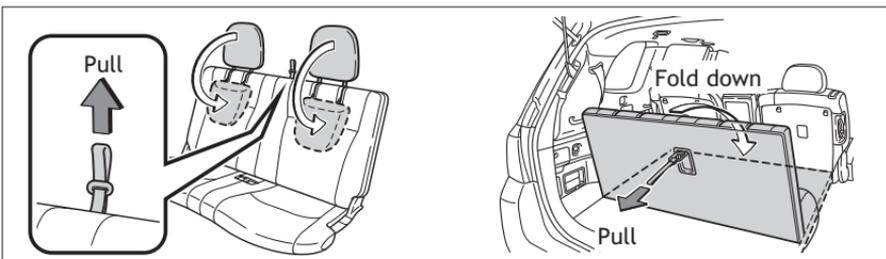
Seats-Removing Center-Stow™ second row seat



- (1) Remove the second row console from the front center console box.
- (2) Lower the center head restraint.
- (3) Pull the strap, then fold down the seatback.
- (4) Pull the lever behind the second center seat and lift the rear of the seat to remove.
- (5) Stow the seat in the front center console box.

NOTE: The second-row console can now be installed between the second row seats.

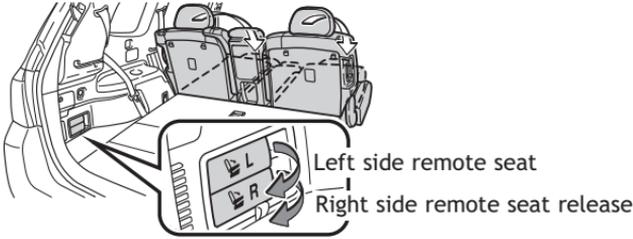
Seat-Stowing third row seats (if equipped)



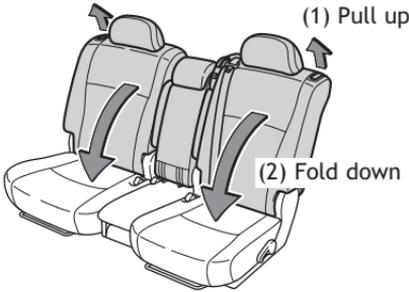
Refer to the *Owner's Manual* for more details.

Seats-Folding down second row seats (if equipped)

From outside

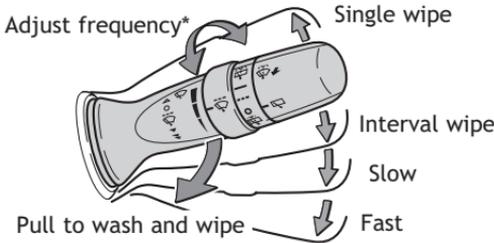


From inside



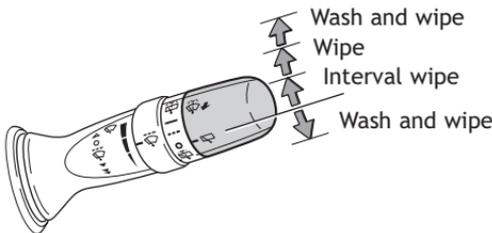
Windshield wipers & washers

Front



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

Rear



Lights & turn signals

Headlights

With DRL OFF switch

Without DRL OFF switch

- Daytime Running Light system (DRL) (if equipped) Automatically turns on the turn signal lights at a reduced intensity.
- Automatic light cutoff system Automatically turns lights off after a delay of 30 seconds.

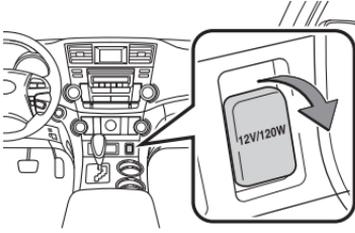
Front fog lights (if equipped)

Front fog lights come on only when the headlights are on low beam.

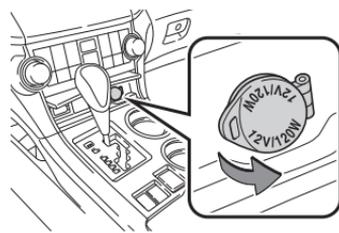
Turn signals

Power outlets-12V DC

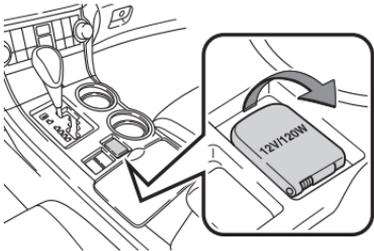
Instrument panel (with seat heater)



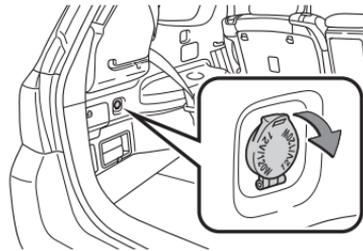
Instrument panel (without seat heater)



Center console



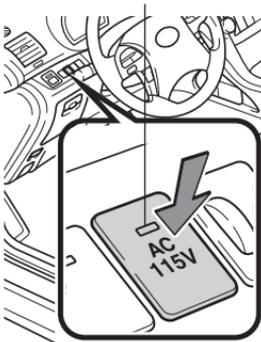
Luggage compartment



Power switch must be set at “ACC” or “ON” position to be used.

Power outlets-115V AC (if equipped)

ON/OFF switch

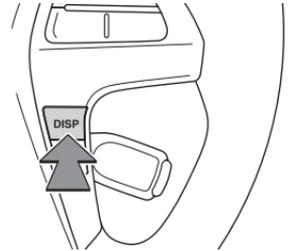
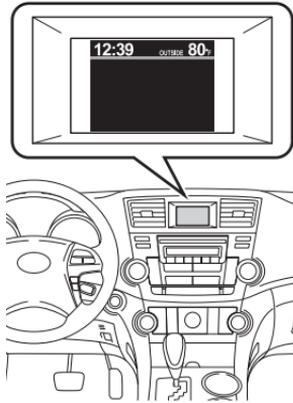


Beside second row seat



Power switch must be set at “ACC” or “ON” position to be used.

Multi-information display



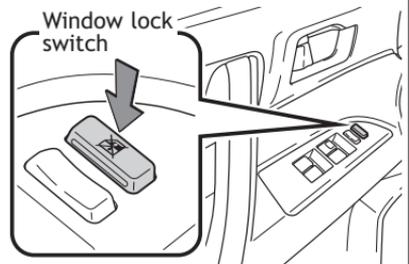
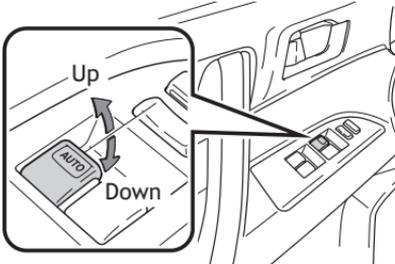
Push “DISP” to change information in the following:

- (1) Average gas mileage after refueling
- (2) Current gas mileage
- (3) Miles left on remaining fuel
- (4) Driving distance from engine start
- (5) Average gas mileage
- (6) Average gas mileage history
- (7) Current tire pressure
- (8) Energy monitor

Push and hold “DISP” to set up the displays and the rearview monitor displays.

Windows-Power

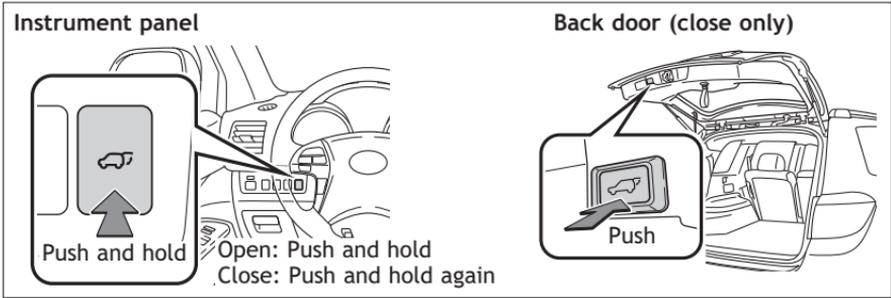
Driver side



Automatic operation (driver's window only) Push the switch completely down or pull it completely up and release to fully open or close. To stop window midway, lightly push the switch in the opposite direction.

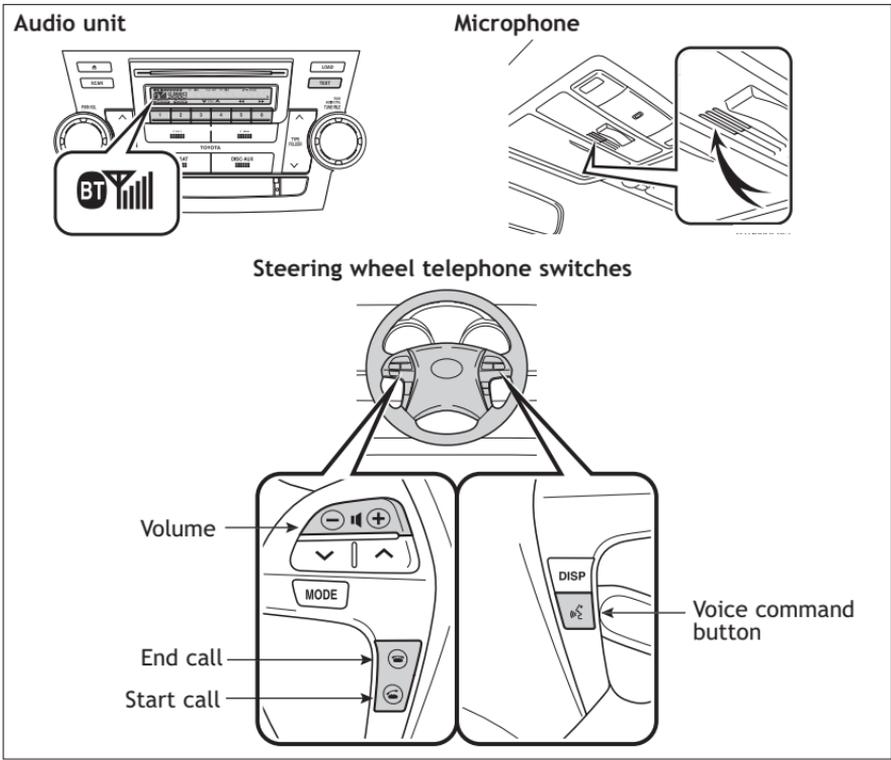
Window lock switch Deactivates all passenger windows. Driver's window remains operable.

Door-Power back (if equipped)



NOTE: If battery is disconnected, the power back door needs to be reinitialized. Refer to the *Owner's Manual* for more details.

Telephone controls (Bluetooth®) (if equipped)

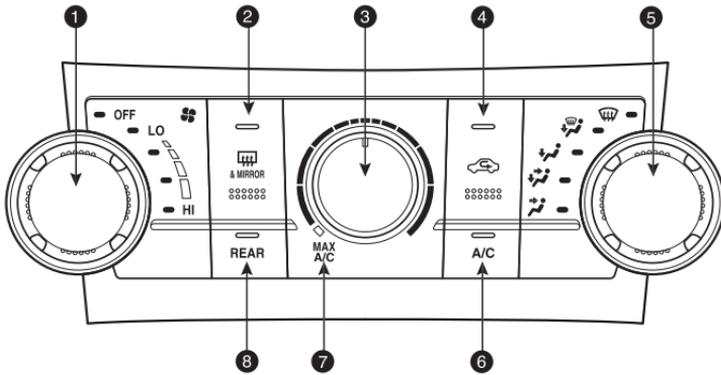


Bluetooth® technology allows dialing or receipt of calls without taking hands from the steering wheel or using a cable to connect the telephone and the system.

Refer to “Hands-free phone system (for cellular phone),” Section 3-4 in the *Owner's Manual* for more details.

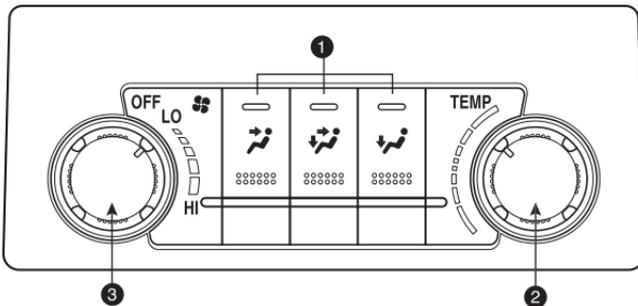
Air Conditioning/Heating

Front manual Air Conditioning



- 1 Fan speed
- 2 Outside rearview mirror (if equipped)/Back window defogger
- 3 Temperature selector
- 4 Fresh or recirculated cabin air
- 5 Airflow vent
In “” or “” mode, use fresh air (“” indicator OFF) to reduce window fogging.
- 6 Air Conditioning ON/OFF
Use fresh air to quickly cool interior, then change to recirculate for cooler air.
- 7 Use for quick cooling. MAX A/C changes air intake to recirculate.
- 8 Rear Air Conditioning ON/OFF

Rear manual Air Conditioning (if equipped)

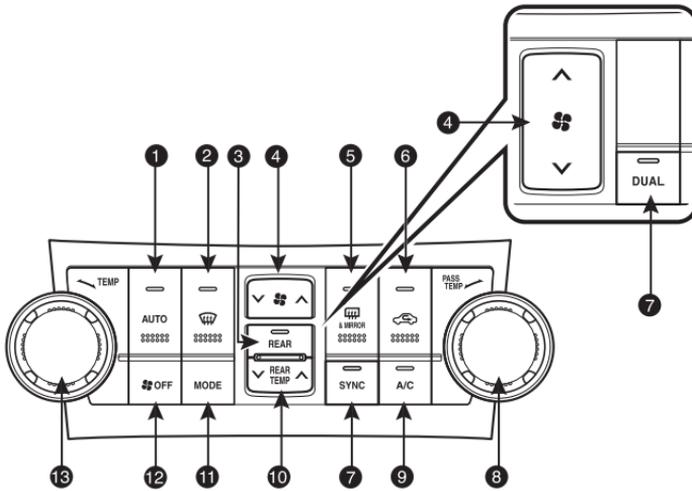


- 1 Airflow vent
- 2 Temperature selector
- 3 Fan speed

Front automatic Air Conditioning

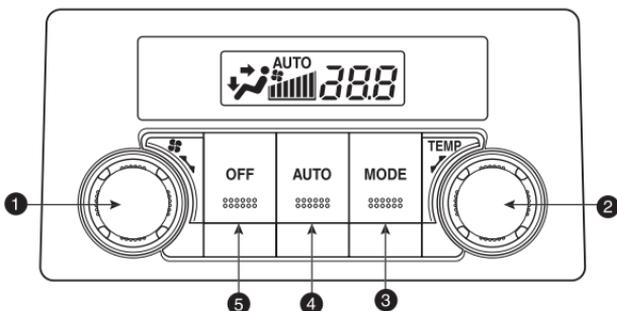
With rear Air Conditioning

Without rear Air Conditioning



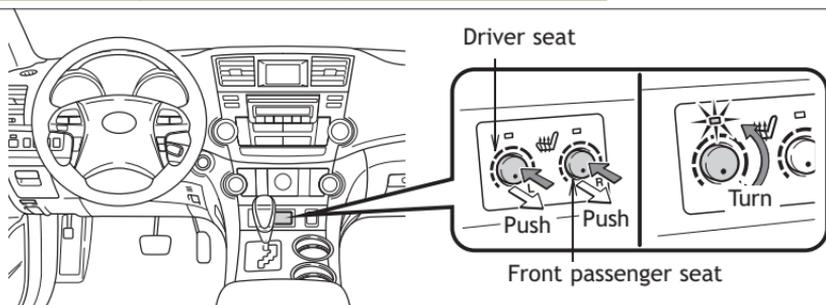
- ❶ Automatic climate control ON
Adjusting the temperature setting will cause the airflow vents, air intake and fan to adjust automatically.
- ❷ Windshield airflow/defogger
- ❸ Rear Air Conditioning ON/OFF
- ❹ Fan speed
- ❺ Outside rearview mirror (if equipped)/Back window defogger
- ❻ Fresh or recirculated cabin air
- ❼ “DUAL”/“SYNC” button
Indicator ON: Separate temperature settings for driver, front passenger and rear passengers.
Indicator OFF: Synchronize temperature settings for driver and all passengers.
- ❽ Temperature selector (front passenger side)
- ❾ Air Conditioning ON/OFF
- ❿ Temperature selector (rear passenger)
- ⓫ Airflow vent
In “” or “” mode, use fresh air (“” indicator OFF) to reduce window fogging.
- ⓬ Climate control OFF
- ⓭ Temperature selector (driver side)

Rear automatic Air Conditioning (if equipped)



- ❶ Fan speed
- ❷ Temperature selector
- ❸ Airflow vent
- ❹ Automatic climate control ON
- ❺ Climate control OFF

Seat heaters (if equipped)

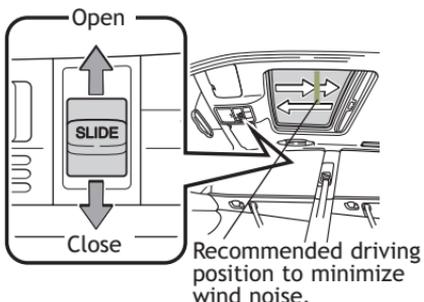


Push knob to pop the controller out. Turn clockwise for heater.

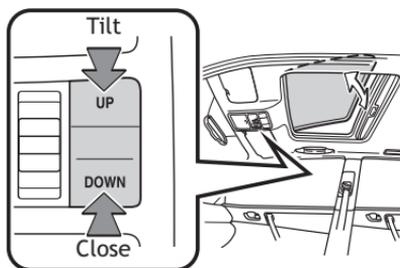
Moonroof (if equipped)

Sliding operation

Push once to open partway; again to open completely.

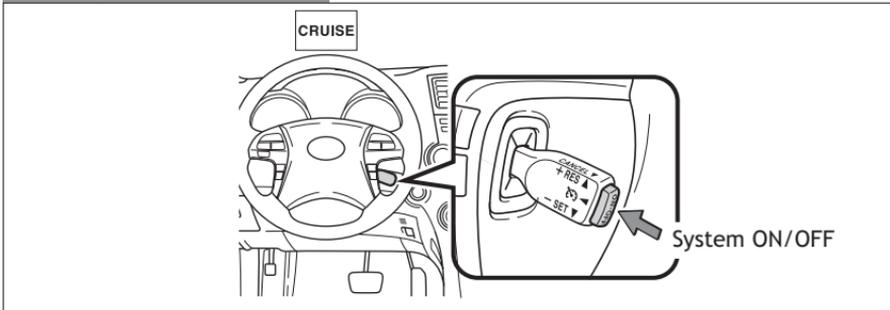


Tilting operation

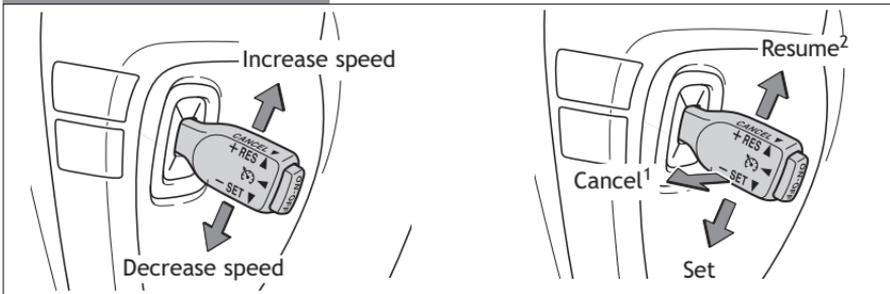


Cruise control

Turning system ON/OFF



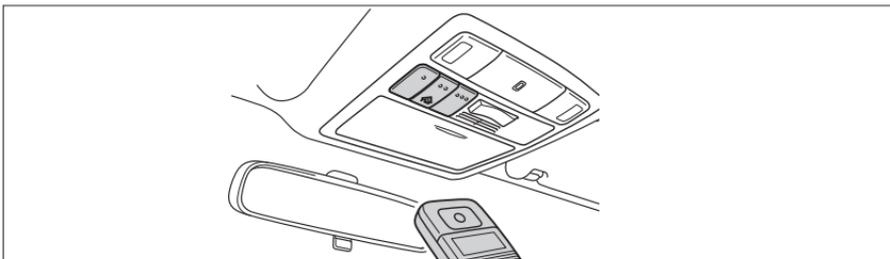
Functions



¹ The set speed may also be cancelled by depressing the brake pedal.

² The set speed may be resumed once vehicle speed exceeds 25 mph.

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.

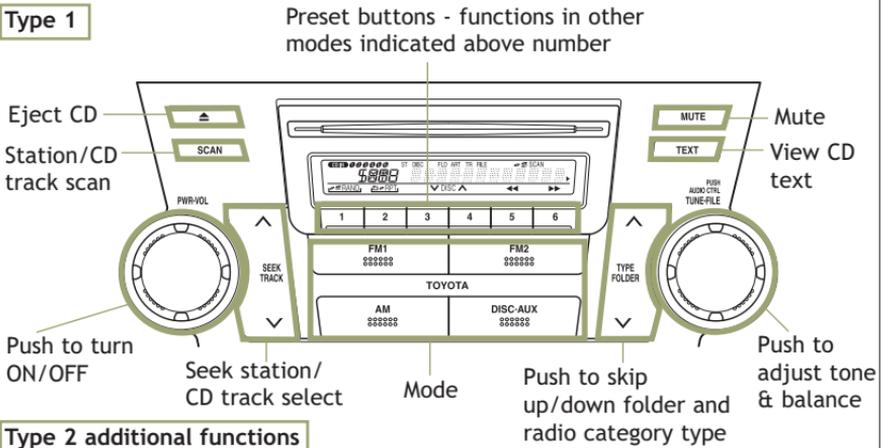
Refer to "Garage door opener," Section 3-7 in the *Owner's Manual* for more details.

For programming assistance, contact the Toyota Customer Experience Center at 1-800-331-4331, or visit <http://www.homelink.com>.

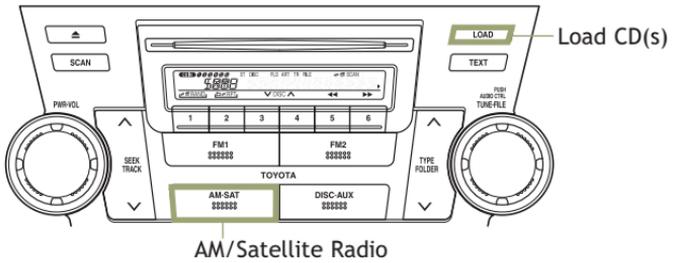
* HomeLink® is a registered trademark of Johnson Controls, Inc.

Audio

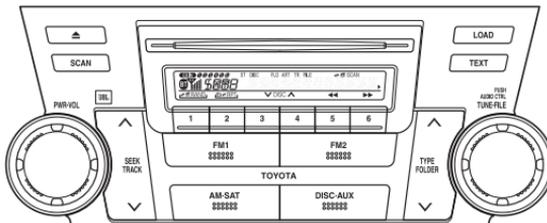
Type 1



Type 2 additional functions



Type 3 (with JBL speakers and Bluetooth® function)



CD PLAYER

To scan tracks on a disc Push and hold “SCAN.” Push again to hold selection.

CD changer (Types 2 and 3 only)

-To load one disc Push “LOAD” and insert one disc.

-To load multiple discs Push and hold “LOAD” until you hear a beep. Insert one disc. Shutter will close and then re-open for next disc.

To select a file (MP3/WMA only) Turn “TUNE-FILE.”

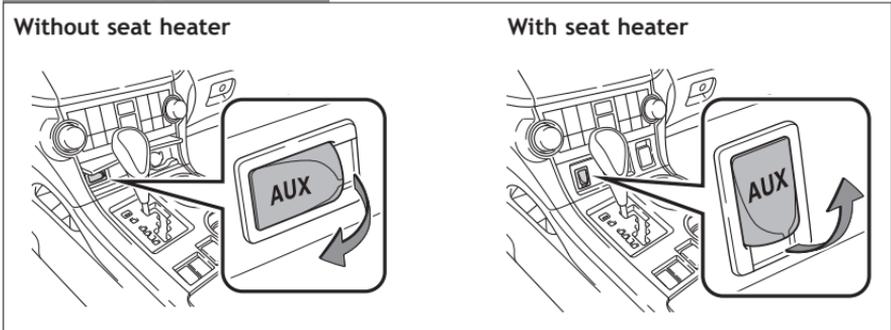
To select a folder (MP3/WMA only) Push either side of “FOLDER.”

RADIO

To preset stations Tune in the desired station and hold down a preset button (1-6) until you hear a beep. Push desired preset button (1-6) to select.

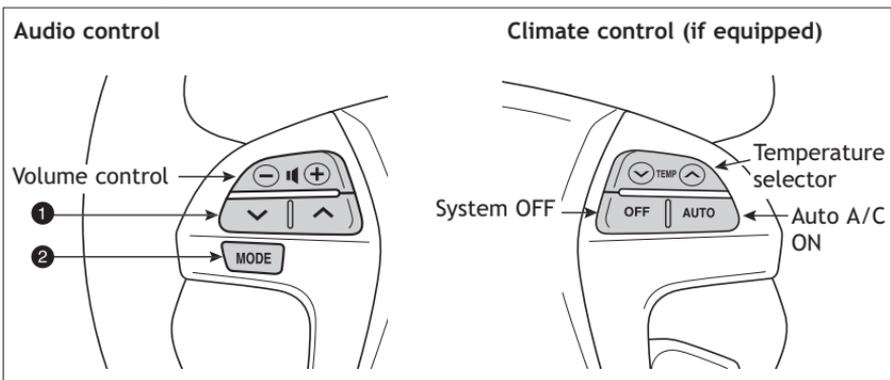
To scan stations Push and hold “SCAN” to scan preset stations. Push again to hold selection.

AUX audio jack



By inserting a mini plug into the AUX audio jack, you can listen to music from a portable audio device through the vehicle’s speaker system while in AUX mode.

Steering wheel switches

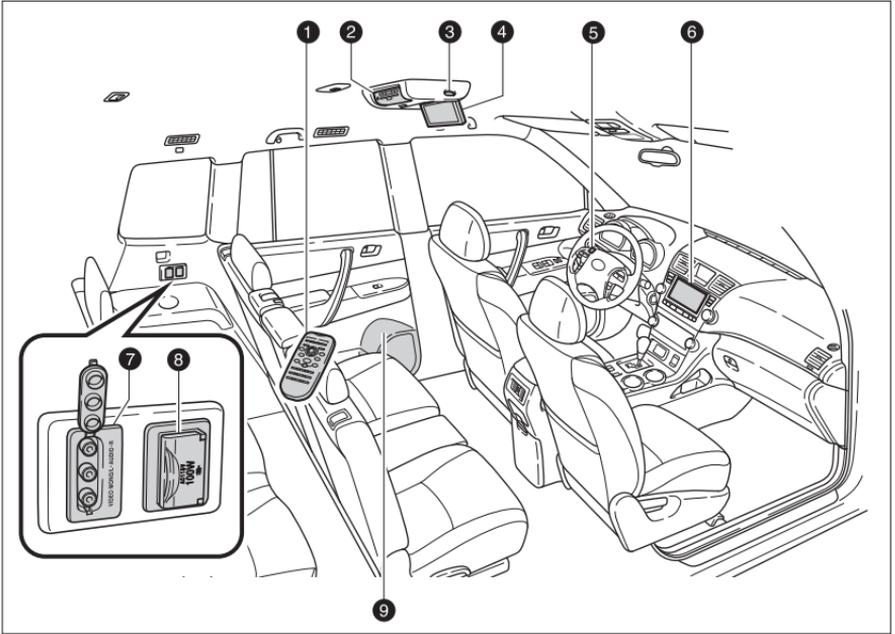


- 1 “V A”**

 - In **radio mode** Push to select a preset station; push and hold to seek the next strong station.
 - In **CD mode** Push to skip up or down to next/previous track.
- 2 “MODE”**

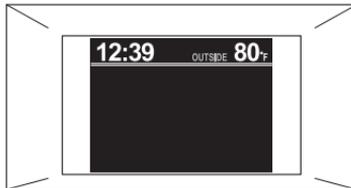
 - Push to turn audio ON and select an audio mode. Push and hold to turn the audio system OFF.

Rear seat entertainment system (if equipped)



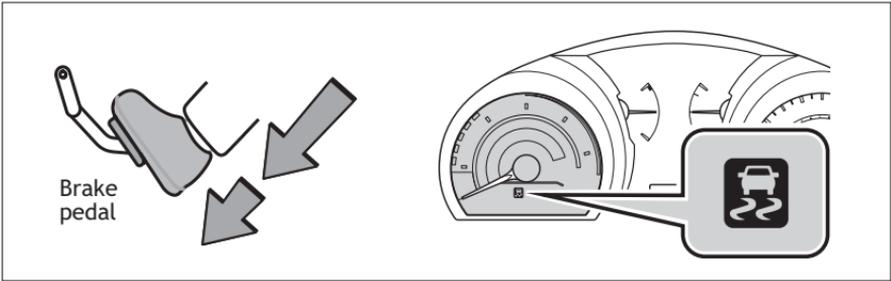
- ① Remote control
- ② DVD player
- ③ Headphone volume control and headphone jacks
- ④ DVD screen
- ⑤ 115V AC Power outlet ON/OFF switch
- ⑥ Front audio system
- ⑦ A/V input adapter
- ⑧ 115V AC Power outlet
- ⑨ Wireless headphones

Clock



Press and hold “DISP” button. Select “CLOCK” on menu screen. Adjust as indicated on screen.

Hill-start Assist Control (HAC)

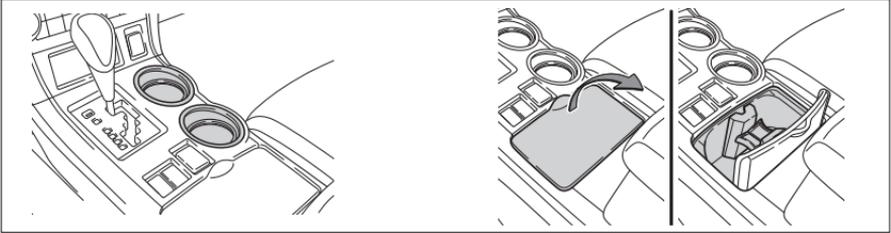


HAC helps prevent rolling backwards on an incline. To engage, push further down on brake pedal while at a complete stop until a beep sounds and slip indicator illuminates. HAC holds for approximately 2 seconds after releasing brake pedal.

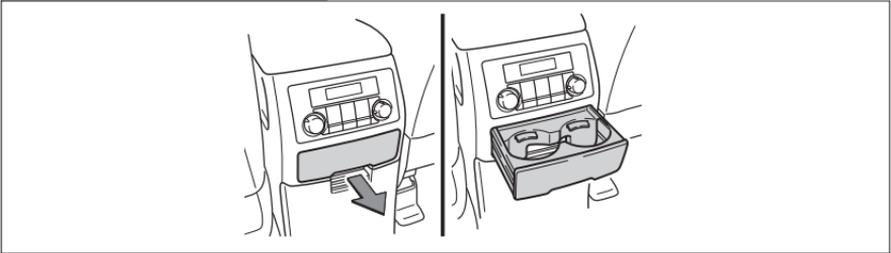
Refer to the *Owner's Manual* for more details.

Cup holders

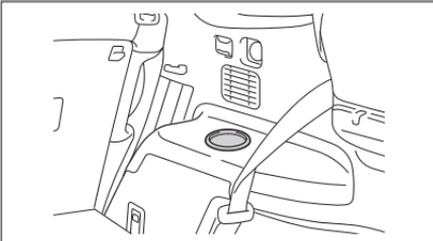
Front



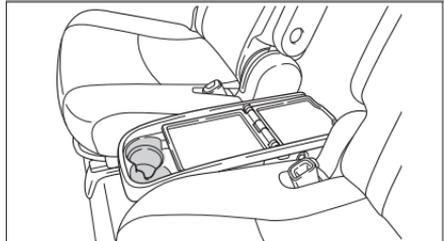
Console box



Rear

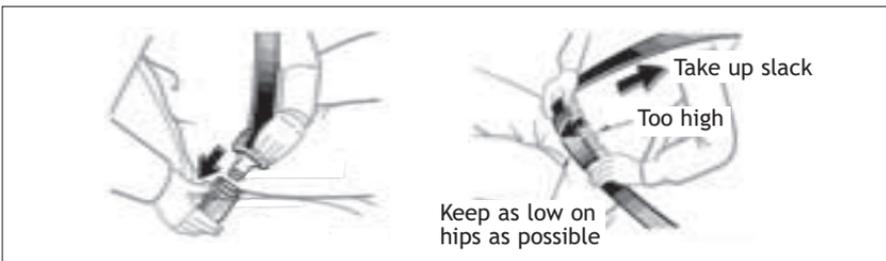


Side table



SAFETY AND EMERGENCY FEATURES

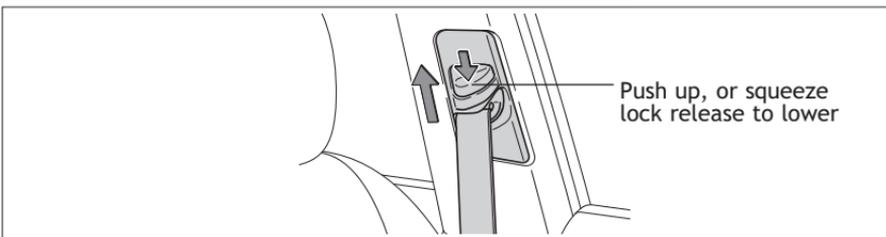
Seatbelts



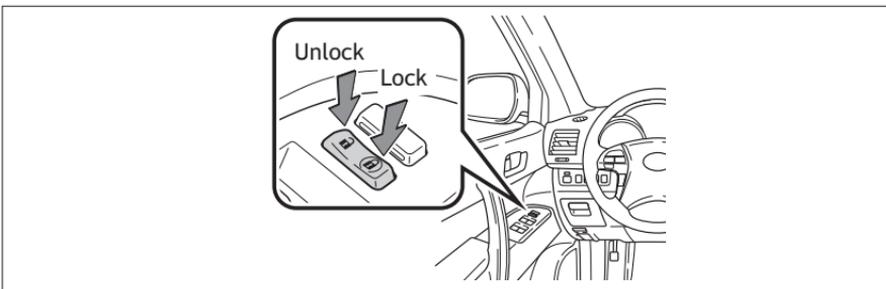
If belt is fully extended, then retracted even slightly, it cannot be re-extended beyond that point, unless fully retracted again. This feature is used to help hold child restraint systems securely.

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

Seatbelts-Shoulder belt anchor



Door locks



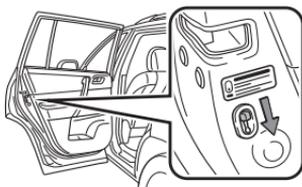
Tire Pressure Monitoring (warning) System

If tire pressure becomes critically low on any of the tires (including the spare), (⚠) indicator light illuminate. Correctly adjusting tire inflation will turn off the light after a few minutes. If the light does not turn off, have the system checked by your Toyota dealer.

Refer to the *Owner's Manual* for more details.

Doors-Child safety locks

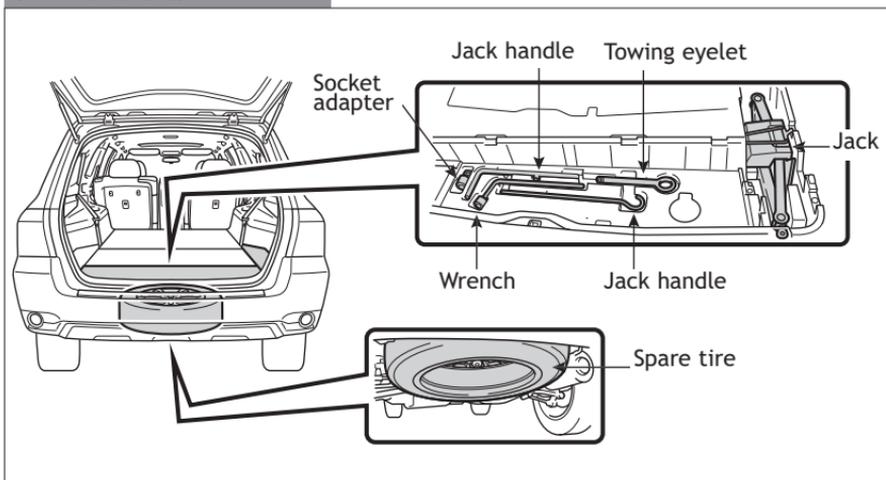
Rear door



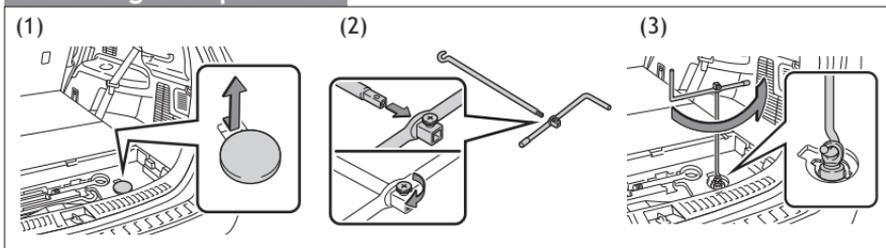
Moving the lever to “LOCK” will allow the door to be opened only from the outside.

Spare tire & tools

Tool location



Removing the spare tire



- (1) Remove the cover under the center deck board to find the spare tire clamp bolt.
- (2) Assemble the jack handle.
- (3) Put the socket adapter on the spare tire clamp bolt. Loosen the bolt by turning it counterclockwise with the jack handle.

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



Customer Experience Center
1-800-331-4331