

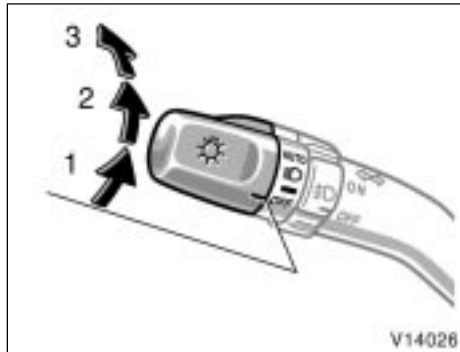
SECTION 1- 5

OPERATION OF INSTRUMENTS AND CONTROLS

Lights, Wipers and Defogger

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Headlights and turn signals (with automatic light control system)



HEADLIGHTS

To turn on the following lights: Twist the headlight/turn signal lever knob.

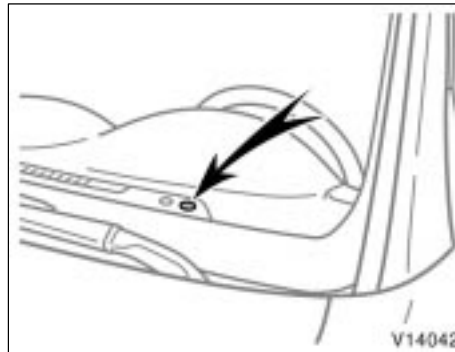
Position 1—Parking, tail, license plate, side marker and instrument panel lights

Position 2—Headlights and all of the above

Position 3 ("AUTO")—Headlights and/or all of the lights in position 1

They automatically turn on or off depending on the darkness of the surroundings.

Manually twist the knob to the position 2 to turn on the headlights if they are needed immediately when entering a dark tunnel, parking structure, etc.



The automatic light control sensor is on the top of the driver's side instrument panel.

Do not place anything on the instrument panel, and/or do not affix anything on the windshield to block this sensor.

If you feel that the automatic light control comes into operation too early or too late, have the sensor adjusted by your Toyota dealer.

The lights automatically turn off when the driver's door is opened with the ignition key in the "ACC" or "LOCK" position. To turn them on again, turn the key to the "ON" position or actuate the headlight switch. If you are going to park for over one week, make sure the headlight switch is off.

NOTICE

To prevent the battery from being discharged, do not leave the lights on for a long period when the engine is not running.

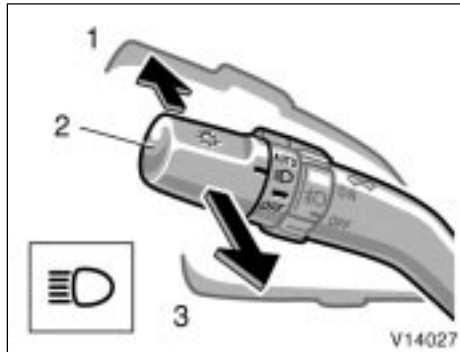
Daytime running light system (on some models)

The headlights turn on at reduced intensity when the parking brake is released with the engine started, even with the light switch in the "OFF" position. They will not go off until the ignition switch is turned off.

To turn on the other exterior lights and instrument panel lights, twist the knob to position 1.

Twist the knob to position 2 to turn the headlights to full intensity for driving at night.

**Headlights and turn signals
(without automatic light
control system)**

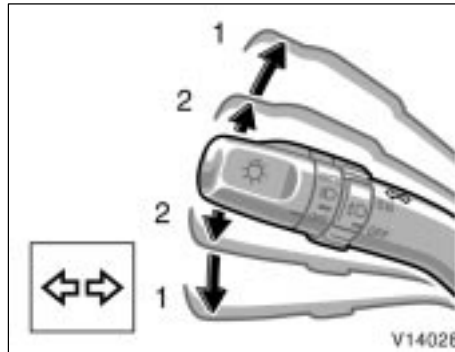


High-Low beams—For high beams, turn the headlights on and push the lever away from you (position 1). Pull the lever toward you (position 2) for low beams.

The headlight high beam indicator light (blue light) on the instrument panel will tell you that the high beams are on.

Flashing the high beam headlights (position 3)—Pull the lever all the way back. The high beam headlights turn off when you release the lever.

You can flash the high beam headlights with the knob turned to “OFF”.



TURN SIGNALS

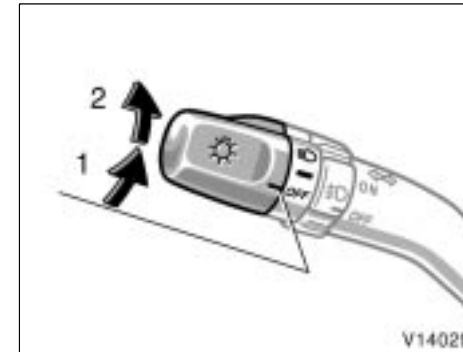
To signal a turn, push the headlight/turn signal lever up or down to position 1.

The key must be in the “ON” position.

The lever automatically returns after you make a turn, but you may have to return it by hand after you change lanes.

To signal a lane change, move the lever up or down to the pressure point (position 2) and hold it.

If the turn signal indicator lights (green lights) on the instrument panel flash faster than normal, a front or rear turn signal bulb is burned out. See “Replacing light bulbs” on page 400 in Section 7-3.



HEADLIGHTS

To turn on the following lights: Twist the headlight/turn signal lever knob.

Position 1—Parking, tail, license plate, side marker and instrument panel lights

Position 2—Headlights and all of the above

The lights automatically turn off when the driver's door is opened with the ignition turned off. To turn them on again, turn the key to the “ON” position or actuate the headlight switch. If you are going to park for over one week, make sure the headlight switch is off.

NOTICE

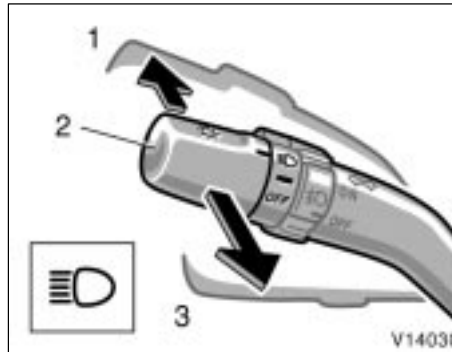
To prevent the battery from being discharged, do not leave the lights on for a long period when the engine is not running.

**Daytime running light system
(on some models)**

The headlights turn on at reduced intensity when the parking brake is released with the engine started, even with the light switch in the "OFF" position. They will not go off until the ignition switch is turned off.

To turn on the other exterior lights and instrument panel lights, twist the knob to position 1.

Twist the knob to position 2 to turn the headlights to full intensity for driving at night.

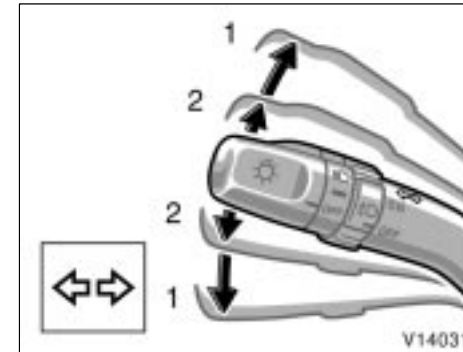


High-Low beams—For high beams, turn the headlights on and push the lever away from you (position 1). Pull the lever toward you (position 2) for low beams.

The headlight high beam indicator light (blue light) on the instrument panel will tell you that the high beams are on.

Flashing the high beam headlights (position 3)—Pull the lever all the way back. The high beam headlights turn off when you release the lever.

You can flash the high beam headlights with the knob turned to "OFF".



TURN SIGNALS

To signal a turn, push the headlight/turn signal lever up or down to position 1.

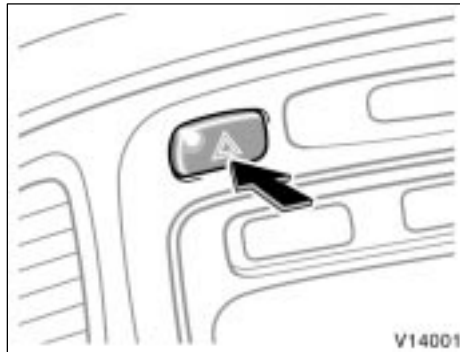
The key must be in the "ON" position.

The lever automatically returns after you make a turn, but you may have to return it by hand after you change lanes.

To signal a lane change, move the lever up or down to the pressure point (position 2) and hold it.

If the turn signal indicator lights (green lights) on the instrument panel flash faster than normal, a front or rear turn signal bulb is burned out. See "Replacing light bulbs" on page 400 in Section 7-3.

Emergency flashers



To turn on the emergency flashers, push the switch.

All the turn signal lights will flash. To turn them off, push the switch once again.

Turn on the emergency flashers to warn other drivers if your vehicle must be stopped where it might be a traffic hazard.

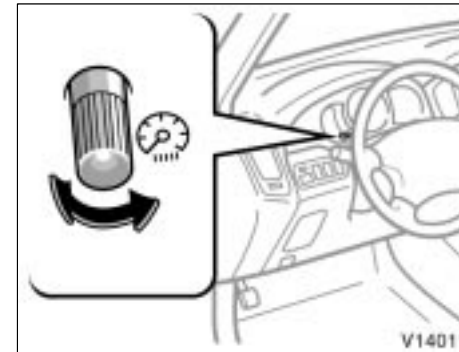
Always pull as far off the road as possible.

The turn signal light switch will not work when the emergency flashers are operating.

NOTICE

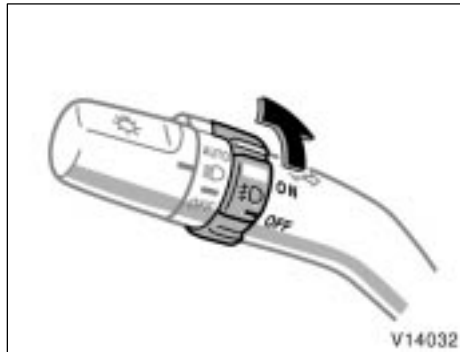
To prevent the battery from being discharged, do not leave the switch on longer than necessary when the engine is not running.

Instrument panel light control



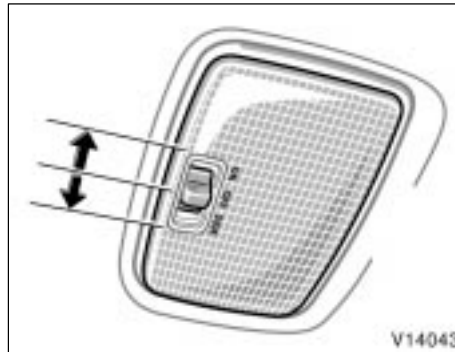
To adjust the brightness of the instrument panel lights, turn the knob.

Front fog lights



To turn on the front fog lights, twist the band of the headlight and turn signal switch lever. They will come on only when the headlights are on low beam.

Interior lights



To turn on the interior light, slide the switch.

The interior light switch has the following positions:

"ON"—Keeps the light on all the time.

"OFF"—Turns the light off.

"DOOR"—

Center: Turns the light on when any of the side doors and back door are opened.

Rear: Turns the light on when the back door is opened.

ILLUMINATED ENTRY SYSTEM (center interior light)

When the switch is in the "DOOR" position and any of the side doors and back door is opened, the light will come on. After all the side doors and back door are closed, the light remains on for about 15 seconds before fading out.

However, in the following cases, the light fades out immediately:

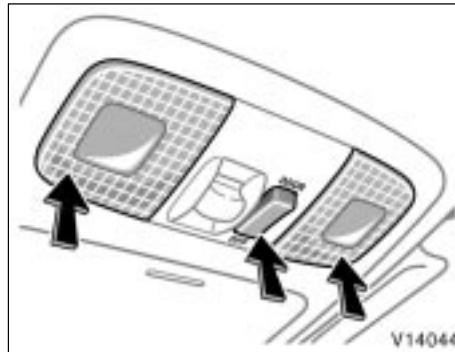
- All the side doors and back door are closed when the ignition key is in "ACC" or "ON" position.
- The ignition key is turned to "ACC" or "ON" after all the side doors and back door are closed.
- All the side doors and back door are locked when the light is still on.

When all the side doors and back door are unlocked using either the key or the wireless remote control transmitter simultaneously, the light will come on and remain on for about 15 seconds before fading out.

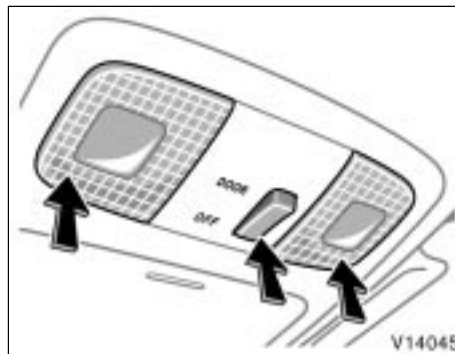
The following adjustments can be made in this system. For details, contact your Toyota dealer.

- Cancelling the door key or wireless remote control transmitter linked operation
- Changing the timing for the light turning off

Personal lights



With moon roof



Without moon roof

The personal lights operate separately with each lens.

To turn on the light, push the lens on your side. To turn the light off, push the lens once again.

The center switch has the following positions:

“DOOR”—Turns the lights on when any of the side doors or back door is opened.

“OFF”—The lights are off.

ILLUMINATED ENTRY SYSTEM

When the switch is in the “DOOR” position and any of the side doors and back door is opened, the light will come on. After all the side doors and back door are closed, the light remains on for about 15 seconds before fading out.

However, in the following cases, the light fades out immediately:

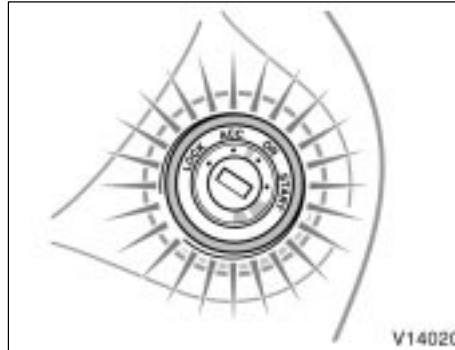
- All the side doors and back door are closed when the ignition key is in “ACC” or “ON” position.
- The ignition key is turned to “ACC” or “ON” after all the side doors and back door are closed.
- All the side doors and back door are locked when the light is still on.

When all the side doors and back door are unlocked using either the key or the wireless remote control transmitter simultaneously, the light will come on and remain on for about 15 seconds before fading out.

The following adjustments can be made in this system. For details, contact your Toyota dealer.

- Cancelling the door key or wireless remote control transmitter linked operation
- Changing the timing for the light turning off

Ignition switch light



For easy access to the ignition switch, the ignition switch light comes on when any of the side doors are opened.

The light remains on for some time after all the side doors and back door are closed.

However, in the following cases, the lights go off immediately.

- All the side doors and back door are closed when the ignition key is in "ACC" or "ON" position.
- The ignition key is turned to "ACC" or "ON" after all the side doors and back door are closed.

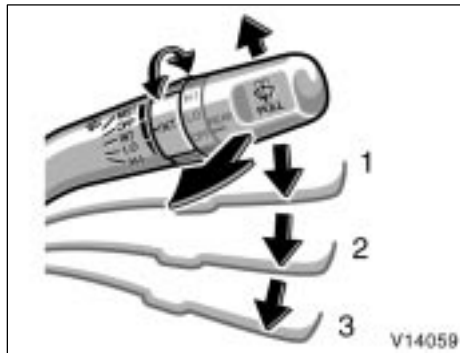
- All the side doors and back door are closed and locked when the light is still on.

When all the side doors and back door are unlocked using either the key or the wireless remote control transmitter simultaneously, the light will come on and remain on for about 15 seconds before fading out.

The following adjustments can be made in this system. For details, contact your Toyota dealer.

- Cancelling the door key or wireless remote control transmitter linked operation
- Changing the timing for the light turning off

Windshield wipers and washer



To turn on the windshield wipers, move the lever to the desired setting.

The key must be in the "ON" position.

Lever position	Speed setting
Position 1	Intermittent
Position 2	Slow
Position 3	Fast

For a single sweep of the windshield, push the lever up and release it.

The "INT" band lets you adjust the wiping time interval when the wiper lever is in the intermittent position (position 1). Twist the band upward to increase the time between sweeps, and downward to decrease it.

To squirt washer fluid, pull the lever toward you.

If the windshield wipers are off, they will operate a couple of times after the washer squirts.

For instructions on adding washer fluid, see "Adding washer fluid" on page 399 in Section 7-3.

In freezing weather, warm the windshield with the defroster before using the washer. This will help prevent the washer fluid from freezing on your windshield, which can block your vision.

When waxing your vehicle, make sure that the washer nozzles do not become blocked. If a nozzle becomes blocked, contact your Toyota dealer to have the vehicle serviced.

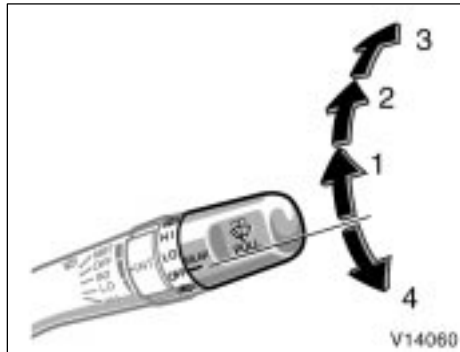
NOTICE

If a nozzle becomes blocked, do not try to clear it with a pin or other object. The nozzle will be damaged.

NOTICE

Do not operate the wipers if the windshield is dry. It may scratch the glass.

Rear window wiper and washer



To turn on the rear window wiper, twist the lever knob upward.

The key must be in the "ON" position.

Lever position	Speed setting
Position 1	Intermittent
Position 2	Normal

To squirt washer fluid on the rear window, twist the knob upward or downward as far as it will go (position 3 or 4). The knob automatically returns from these positions after you release it. The rear window wiper operates while the washer squirts.

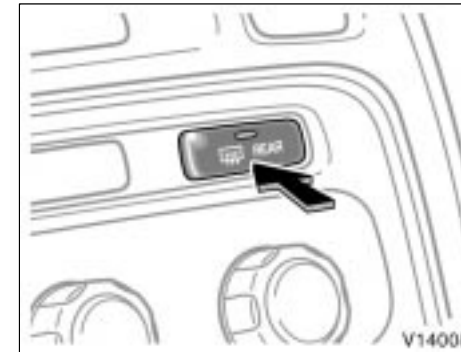
For instructions on adding washer fluid, see "Adding washer fluid" on page 399 in Section 7-3.

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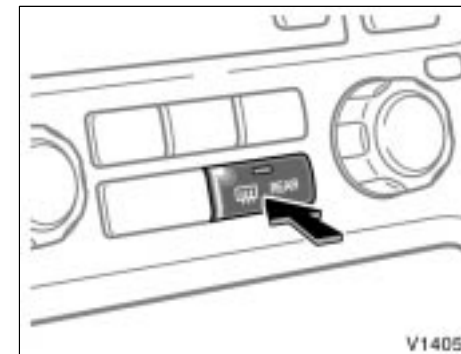
NOTICE

Do not operate the rear wiper if the rear window is dry. It may scratch the glass.

Rear window and outside rear view mirror defoggers and windshield wiper de-icer

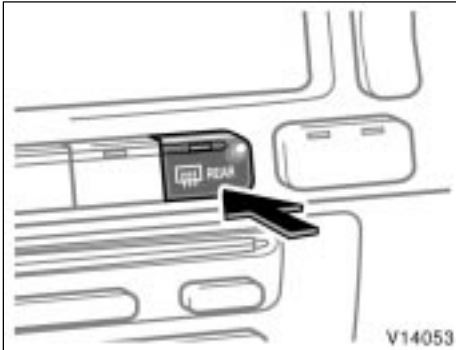


Without navigation system (type A)



Without navigation system (type B)

'05 HIGHLANDER_U (L/O 0409)



With navigation system

To defog or defrost the rear window, push the switch.

The key must be in the "ON" position.

The thin heater wires on the inside of the rear window will quickly clear the window surface. An indicator light will illuminate to indicate the defogger is operating.

On some models, the outside rear view mirror defoggers and/or the windshield wiper de-icer is also operating simultaneously by this switch. Vehicles with the outside rear view mirror defoggers, the heater panel in the outside rear view mirrors will quickly clear the surfaces. Vehicles with the windshield wiper de-icer, the windshield wiper blades will be de-iced.

Push the switch once again to turn the defoggers off.

The system will automatically shut off after the defogger has operated about 15 minutes.

CAUTION

Vehicles with outside rear view mirror defoggers, since the mirror surfaces can get hot, do not touch them when the defogger switch is on.

Make sure you turn the defoggers off when the surfaces are clear or the wiper blades have de-iced. Leaving the defoggers on for a long time could cause the battery to discharge, especially during stop-and-go driving. The defoggers are not designed for drying rain water or for melting snow.

If the outside rear view mirrors are heavily coated with ice, use a spray de-icer before operating the switch.

NOTICE

When cleaning the inside of the rear window, be careful not to scratch or damage the heater wires or connectors.

'05 HIGHLANDER_U (L/O 0409)