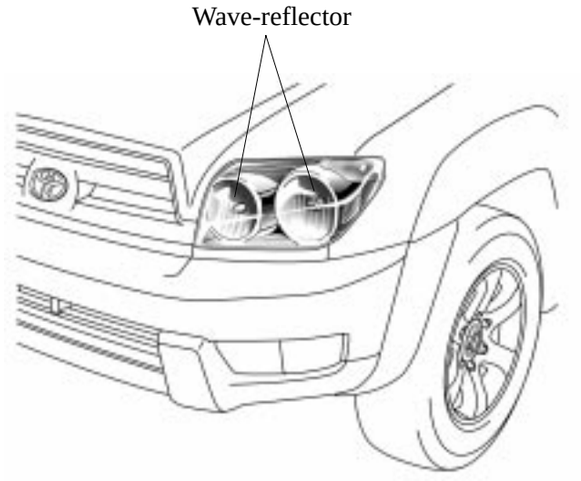
# LIGHTING

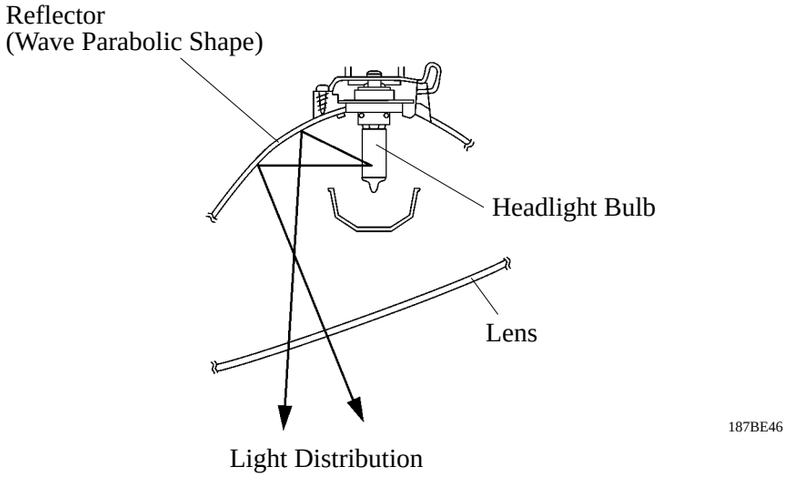
## ■HEADLIGHT

### Wave-Reflector Type Headlight

- The headlights are provided with wave-reflectors to improve their appearance.
- With the wave-reflector type headlights, the light from the bulbs is dispersed and distributed through wave parabolic shaped reflectors. As a result, the lens cut pattern is no longer provided in the center of the lens, thus realizing a clear look.




**▶ Light Distribution Imaginary Diagram ◀**

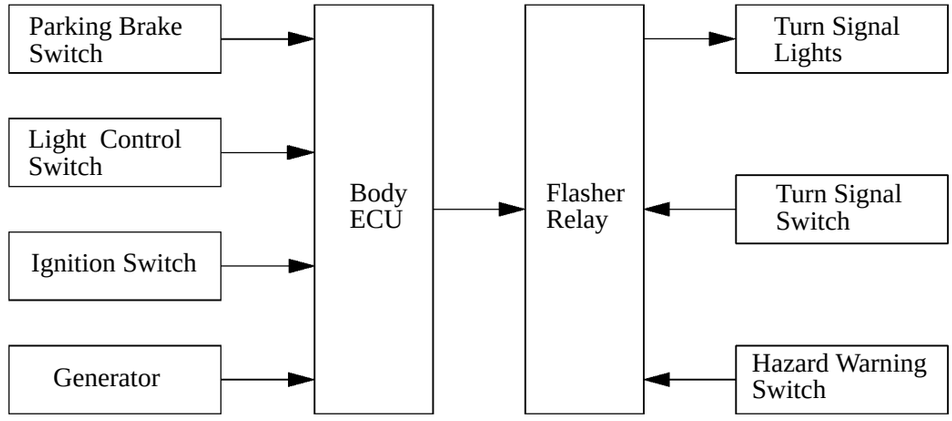



**Wave-Reflector Type Headlight**

## ■DAYTIME RUNNING LIGHT SYSTEM

- The daytime running light system is provided as standard equipment on Canada model and optional equipment on U.S.A. model.
- This system was controlled by the daytime running light relay through the illumination control of the low-beam headlights on the ’02 model. It has been changed on the ’03 model so that it is controlled by the body ECU and the flasher relay through the illumination control of the turn signal lights. This system is controlled by the body ECU.
- This system is enabled when the conditions given below are met.
  - Ignition switch ON condition
  - Parking brake switch OFF condition
  - Light control switch OFF condition
  - Generator L terminal signal input (Engine Running Condition)

**▶ System Diagram ◀**

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- During the operation of the daytime running light system, the illumination condition of the turn signal lights changes as indicated in the table below, in accordance with the condition of the turn signal switch and the hazard warning switch.

○ : ON —: OFF ● : Blink

| Turn Signal Switch Condition | Hazard Warning Switch Condition | Turn Signal Light (Left) | | Turn Signal Light (Right) | |
|---|---|---|---|---|---|
| | | Front | Rear | Front | Rear |
| OFF | OFF | ○ | — | ○ | — |
| ON (Left) | OFF | ● | ● | ○ | — |
| ON (Right) | OFF | ○ | — | ● | ● |
| OFF | ON | ● | ● | ● | ● |
| ON (Left) | ON | ● | ● | ● | ● |
| ON (Right) | ON | ● | ● | ● | ● |

## ■AUTOMATIC LIGHT CONTROL SYSTEM

- When the light control switch at the AUTO position, the automatic light control sensor detects the ambient light and automatically turns the headlights and taillights ON or OFF accordingly.
- This system is controlled by the Body ECU.

## ■LIGHT AUTO TURN-OFF SYSTEM

- When the headlights and taillights are illuminated through the operation of the light control switch, if the ignition switch is turned OFF and all the door are closed, this system continues to illuminate the headlights and taillights for approximately 30 seconds, and then turns OFF the headlights.
  However, with all the doors locked, when “LOCK” button on the wireless remote control is pushed, the headlights and taillights are turned OFF immediately.
- When the ignition switch is turned OFF and the driver’s door is open continuously for 30 minutes, the body ECU will turn the dome relay OFF. As a result, the illumination lights, taillights, and the headlights will turn OFF.
- This system is controlled by the Body ECU.

## ■ILLUMINATED ENTRY SYSTEM

### 1. General

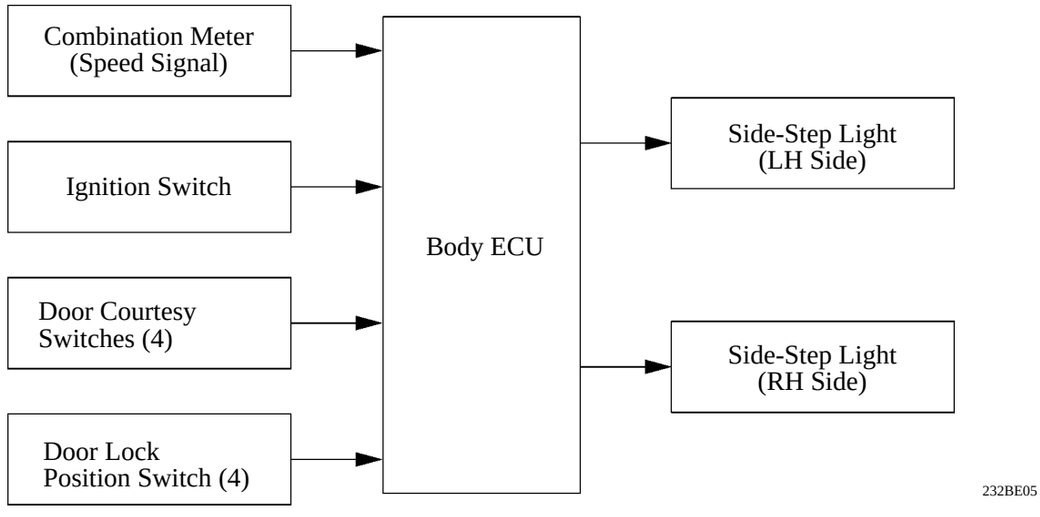
- When a door is unlocked through a key operation or transmitter operation, or if a door is opened or closed, the illuminated entry system turns ON the interior light and the ignition key illumination.
- If the ignition switch is turned to the ACC or ON position or if all doors are locked during the 15 seconds in which these lights are ON, they will immediately turn OFF.
- This system is controlled by the Body ECU.

### 2. Side-Step Light Control

#### General

- When a door is unlocked through a key operation or transmitter operation and a door is opened (except the back door), the body ECU turns ON the side-step lights to ensure side-step visibility in the dark.
- The body ECU turns OFF the side-step lights under the following conditions:
  - After doors are closed, the doors are locked.
  - With the ignition switch ON and doors closed, 15 seconds have elapsed or the vehicle speed is a minimum of 5 km/h (3 mph).
  - With the ignition switch OFF and doors closed, 15 seconds have elapsed.

#### System Diagram



### Layout of Main Component