# SEQUOIA

## OUTLINE OF NEW FEATURES

The following changes are made for the 2012 model year.

### 1. 1UR-FE Engine

The starter has been changed on the cold area specification model. For details, see page 7.

### 2. 3UR-FE and 3UR-FBE Engines

- The fuel delivery pipe, which is the same as that in the 1UR-FE engine, is used in the 3UR-FE engine.
- A PA70LL-GX type starter is used. For details, see page 7.
- A heater has been added to the air pump. For details, see page 8.

### 3. Suspension

- On the Adaptive Variable Suspension system (AVS), the characteristics of the roll attitude control have been changed.

| Model | ’12 SEQUOIA | ’11 SEQUOIA |
|---|---|---|
| Roll Attitude Control | Regulates the damping force to reduce the phase difference between the vehicle roll and pitch angles during steering, thus providing smooth superior maneuverability. | Changes the damping force to control the vehicle posture during cornering. As a result, excellent stability and controllability have been realized during cornering. |

## 4. Brake

- Trailer sway control is provided for the brake control system. For details, see page 9.
- A TRAC OFF indicator light is newly provided on the combination meter.
- The operation states of the brake control functions and the indicator lights in each mode are as follows:

### 2WD Models

| Item | Brake Control Function | | | Indicator Light | | |
|---|---|---|---|---|---|---|
| | TRAC | Auto LSD | VSC | TRAC OFF 18PCH001I | AUTO LSD 18PCH002I | 18PCH003I |
| Normal Mode | ○ | — | ○ | Off | Off | Off |
| TRAC OFF Mode | — | ○ | ○ | Off | On | Off |
| Auto LSD Mode | — | ○ | — | Off | On | On |
| VSC OFF Mode | — | — | — | On | Off | On |

○: Controlled
—: Not controlled

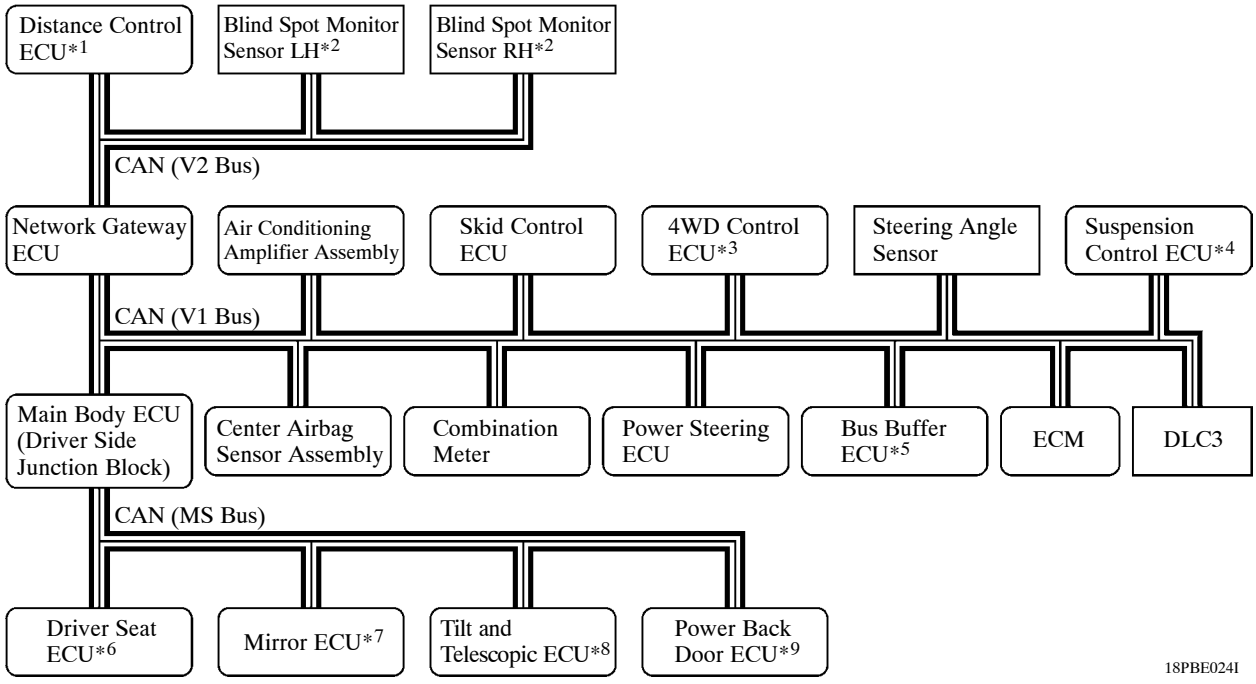
### 4WD Models

| Item | | | Brake Control Function | | | | Indicator Light | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | TRAC | A-TRAC | Auto LSD | VSC | TRAC OFF 18PCH001I | AUTO LSD 18PCH002I | 18PCH003I |
| 2WD | | Normal Mode | ○ | — | — | ○ | Off | Off | Off |
| | | TRAC OFF Mode | — | — | ○ | ○ | Off | On | Off |
| | | Auto LSD Mode | — | — | ○ | — | Off | On | On |
| | | VSC OFF Mode | — | — | — | — | On | Off | On |
| 4WD | H4F | Normal Mode | — | ○ | — | ○ | Off | Off | Off |
| | | TRAC OFF Mode | — | — | — | ○ | On | Off | Off |
| | | VSC OFF Mode | — | — | — | — | On | Off | On |
| | L4F | Normal Mode | — | ○ | — | ○ | Off | Off | Off |
| | | VSC OFF Mode | — | — | — | — | On | Off | On |
| | H4L | Normal Mode | — | ○ | — | — | Off | Off | On |
| | L4L | VSC OFF Mode | — | — | — | — | On | Off | On |

○: Controlled
—: Not controlled

## 5. Multiplex Communication

The composition of the Controller Area Network (CAN) has been changed, in accordance with the additions of the blind spot monitor system and network gateway ECU.




*1: Models with Dynamic Laser Cruise Control System
*2: Models with Blind Spot Monitor System
*3: 4WD Models
*4: Models with Rear Air Suspension System
*5: Optional Equipment
*6: Models with Power Seat System
*7: Models with Memory System
*8: Models with Power Tilt and Telescopic Steering Column
*9: Models with Power Back Door System

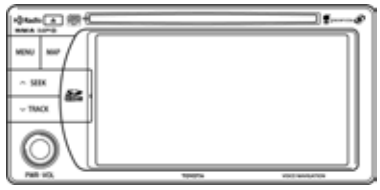
## 6. Combination Meter

The display content of the multi-information display in the combination meter has been changed. For details, see page 11.

## 7. Navigation System

- The base grade navigation with AV system has been discontinued.
- An SD navigation receiver assembly is provided as optional equipment.

**▶ Specifications ◀**

| Design | Item | Specification |
|---|---|---|
|  18PBE027O | Display | 6.1-inch Wide Video Graphics Array (VGA) |
| | Navigation ECU Manufacturer | DENSO |
| | Map Data Media | SD Card |
| | Voice Guidance Supported Language | English, French, Spanish |
| | Voice Recognition Supported Language | English, French, Spanish |

## 8. Blind Spot Monitor System

The blind spot monitor system is used. This system informs the driver that a vehicle is approaching by illuminating or blinking the BSM indicator light, thus assisting with safety confirmation when changing lanes. For details, see page 17.

## 9. SRS Airbag System

The Event Data Recorder (EDR) has been changed. For details, see page 25.