

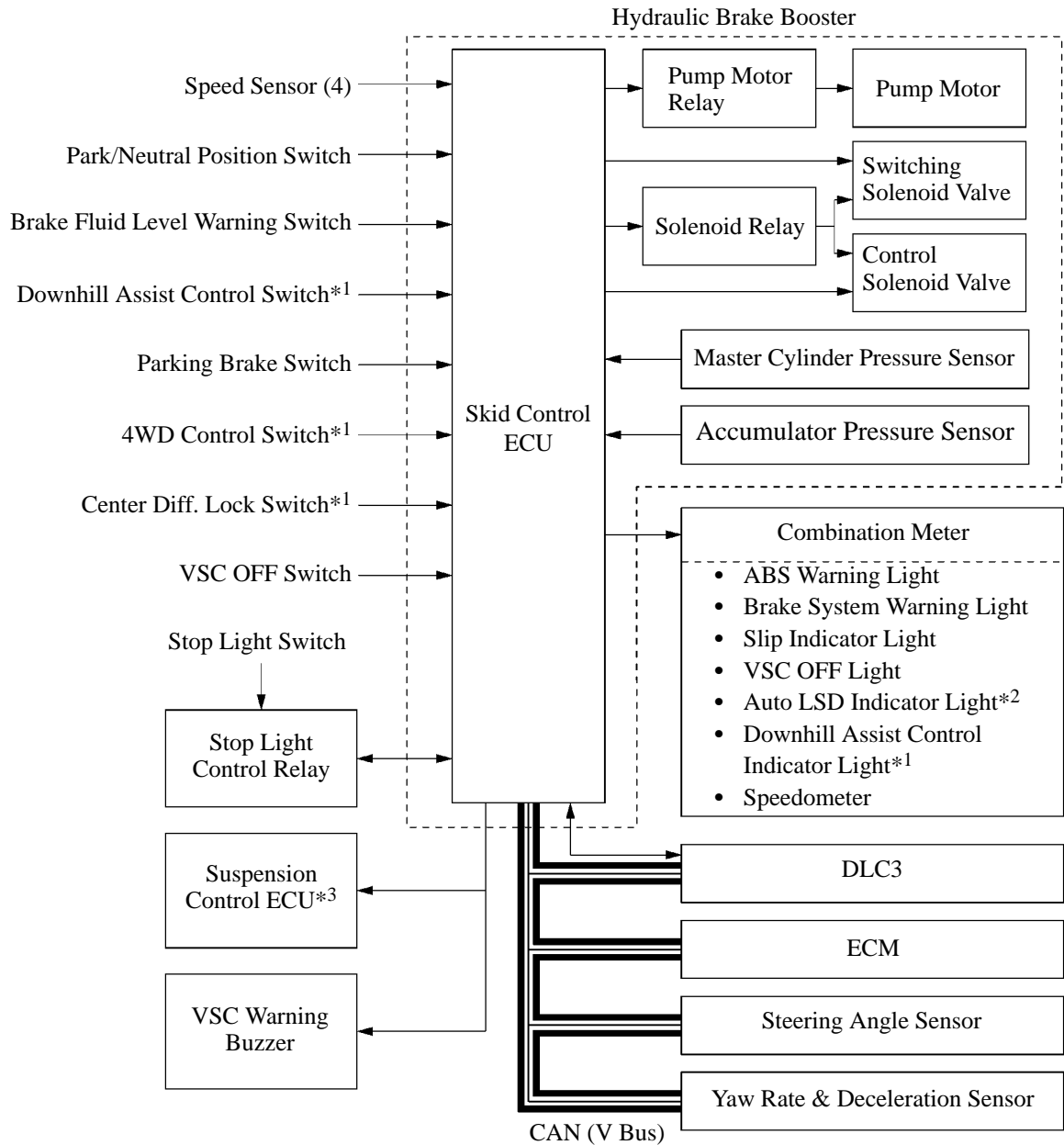
NEW FEATURES

■ BRAKE CONTROL SYSTEM

1. General

The VSC OFF switch is used. The operation of the VSC and TRAC functions can be stopped by the VSC OFF switch. While the vehicle is running off the shoulder of the road or running on the dirt road, the engine output control is stopped to maintain drive torque.

2. System Diagram

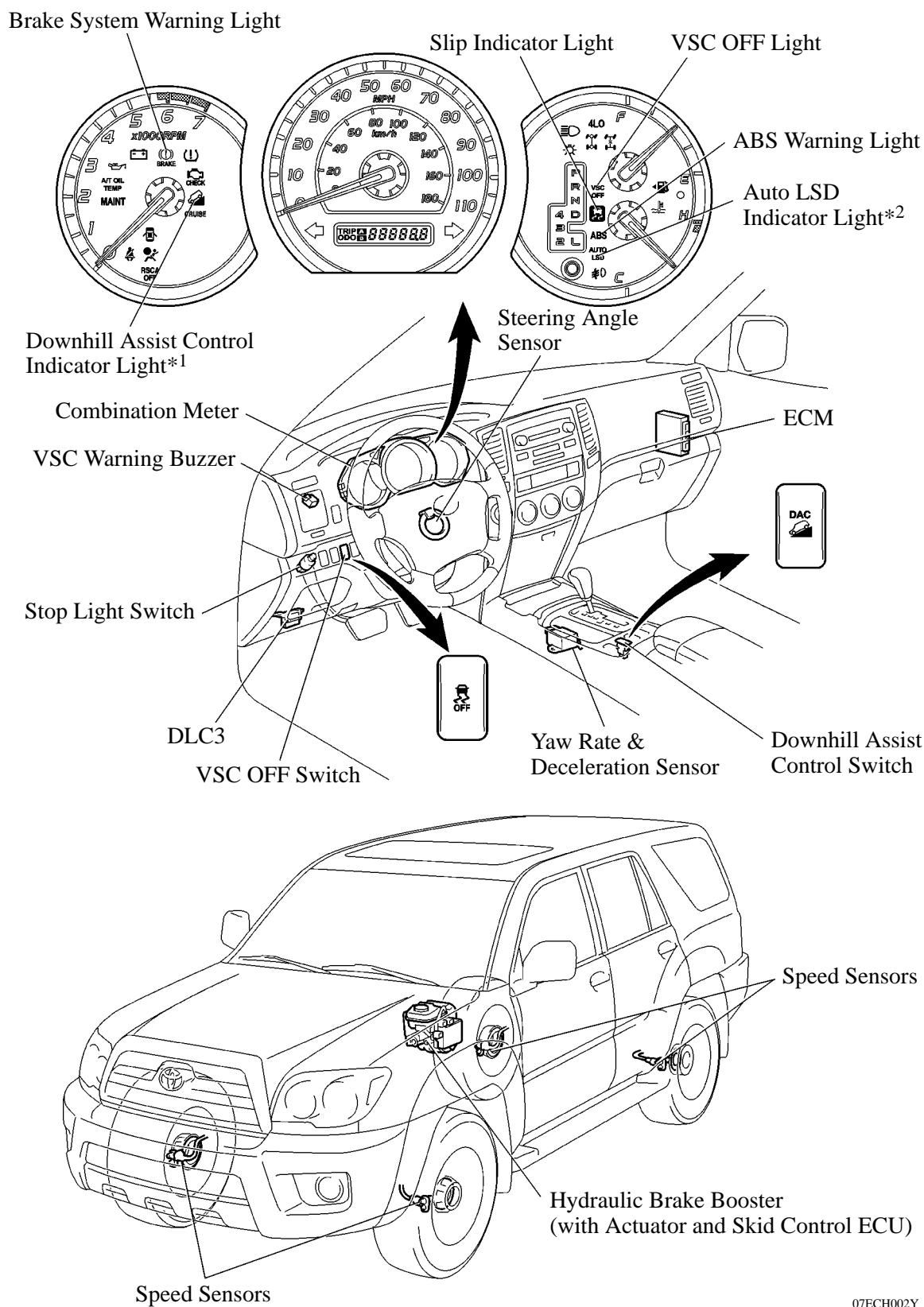


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*1: Only for 4WD Models *2: 1GR-FE Engine Models and 2UZ-FE Engine 2WD Models

*3: Only for Models with Rear Air Suspension

3. Layout of Main Components

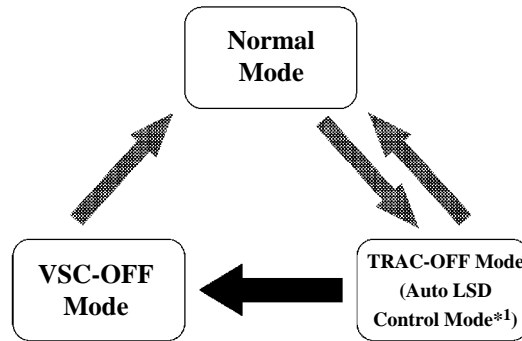


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*1: Only for 4WD Models *2: 1GR-FE Engine Models and 2UZ-FE Engine 2WD Models

4. VSC OFF Switch

- The VSC OFF switch can select the 3 modes [Normal mode, TRAC-OFF mode (Auto LSD control mode*¹), VSC-OFF mode].
- On the 2WD models, the Auto LSD function operates when the TRAC-OFF mode is selected.
- On the 1GR-FE engine 4WD models, the Auto LSD function operates when the 4WD control switch is at the “H2” position and the TRAC-OFF mode is selected.




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↔ : Switch Operation (Press shortly.)

→ : Switch Operation
(Keep pressing for 3 seconds with the vehicle at a standstill.)

- After the ignition switch is turned OFF in the TRAC-OFF mode (Auto LSD control mode*¹) or VSC-OFF mode, turning the ignition switch ON again selects the Normal mode.
- The operations of the brake control functions and the illumination state of the respective indicator lights in each mode are as follows:

○: Controllable ×: Not Controllable

Item	Brake Control Function			Auto LSD Indicator Light	Slip Indicator Light	VSC OFF Light
	TRAC	Auto LSD* ¹	VSC	AUTO LSD 03NCH004Y	 03NCH005Y	VSC OFF 03NCH006Y
Normal Mode	○	×	○	—	—	—
TRAC-OFF Mode (Auto LSD Control Mode*)	×	○	○	Light ON	Light ON	—
VSC-OFF Mode	×	×	×	—	Light ON	Light ON

*: 1GR-FE Engine Models and 2UZ-FE Engine 2WD Models

NOTE




The TRAC and VSC functions control brake hydraulic pressure and engine output to ensure vehicle stability.

Therefore, operate the VSC OFF switch (stop the operation of the TRAC and VSC functions) only when it is necessary.

5. Warning, Indicator Lights and VSC Warning Buzzer

The warning, indicator and VSC OFF lights and VSC warning buzzer operate as follows:

○: Illuminates (Continuous Sound) △: Blinks (Intermittent Sound)

Condition		Warning Light		Indicator Light			VSC OFF 03NCH012Y	Warning Buzzer
		 BRAKE 03NCH007Y	ABS 03NCH008Y	 03NCH009Y	AUTO LSD 03NCH010Y	 07ECH003Y		
Initial Check		○	○	○	○	○	○	
During Operation	TRAC/ A-TRAC			△				
	VSC			△				△
	Downhill Assist Control			△		○*1		
	Hill-start Assist Control			△				△
	TRAC-OFF Mode (Auto LSD Control Mode*1)			○	○*1			
	VSC-OFF Mode			○			○	
Driving Mode	H4L, L4L						○	
During Actuator Protection				△		△*2		△
Cannot Operate Due to a Malfunction	ABS & Brake Assist		○					
	EBD	○	○					
	TRAC/ A-TRAC, Auto LSD			○			△	
	VSC			○			△	
	Downhill Assist Control			○		△*2	△	
	Hill-start Assist Control			○			△	
Others	Low Brake Fluid Level	○		○			△	
	ABS Malfunction		○	○		△*2	△	
	Zero Point Calibration of Yaw Rate & Deceleration Sensor not Done			○			△	
	Low Accumulator Pressure	○	○	○			△	○

*1: Lights up when the Auto LSD and/ or downhill assist control are operational.

*2: Blinks when the downhill assist control switch is pushed.