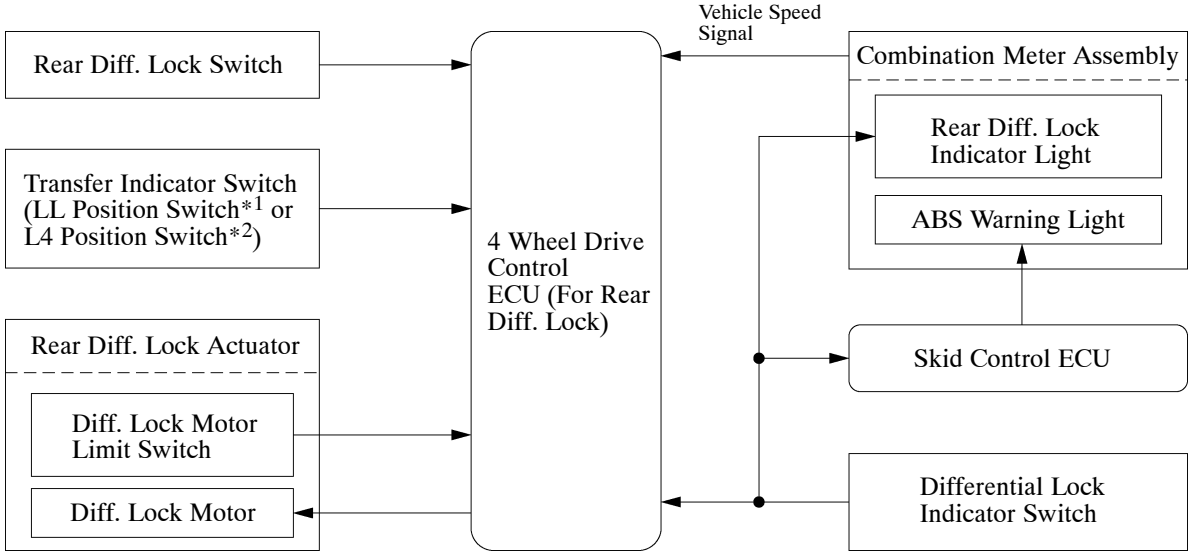
■REAR DIFFERENTIAL LOCK SYSTEM

1. General

The sliding of the differential lock sleeve is accomplished by a rear diff. lock actuator, which is controlled by the 4 Wheel Drive Control ECU (For Rear Diff. Lock) in based on the rear diff. lock switch signal and other signals.

▶ System Diagram ◀

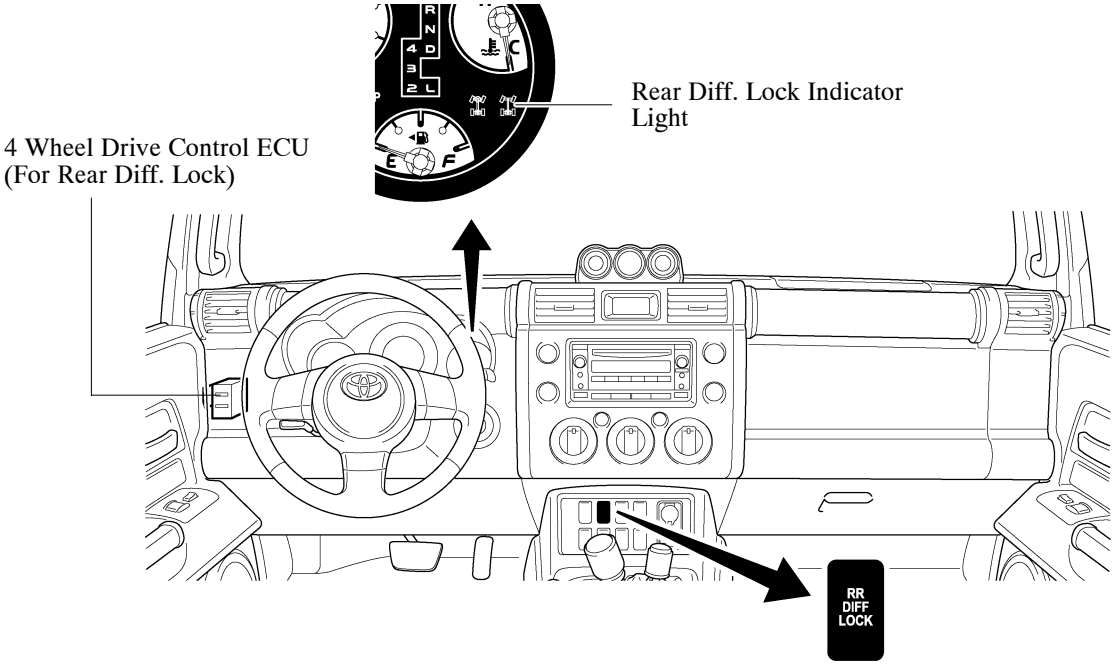


*1: Models with Manual Transmission
*2: Models with Automatic Transmission

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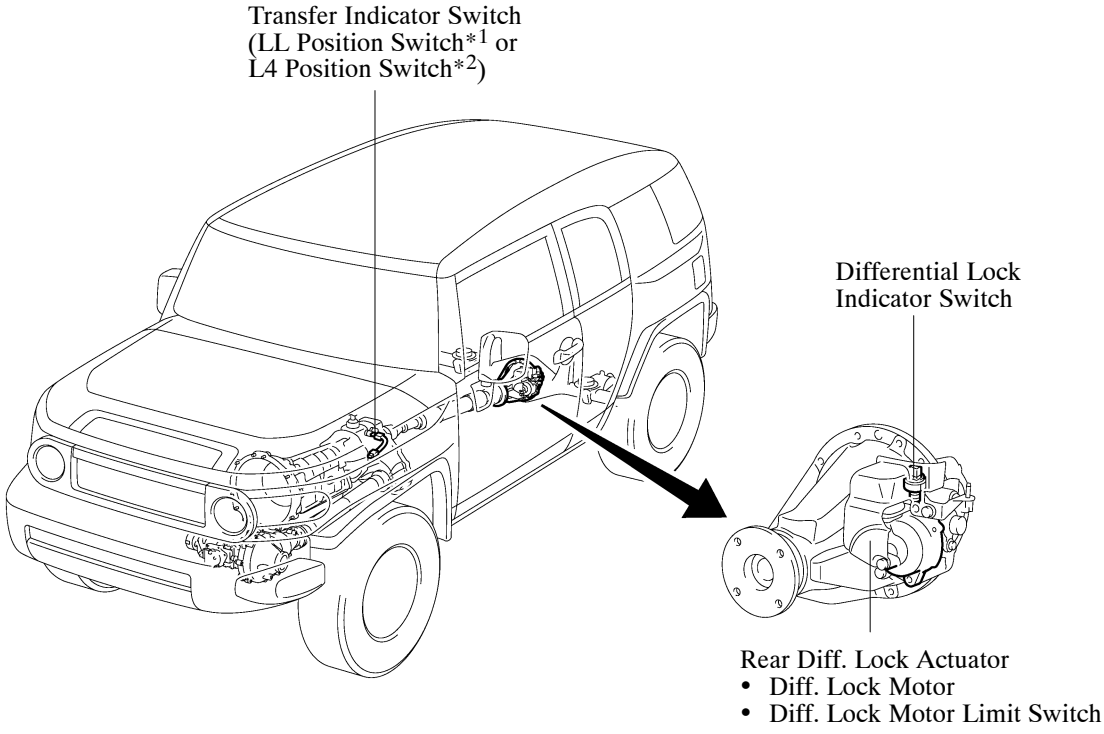
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2. Layout of Main Components



Rear Diff. Lock Switch

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*1: Models with Manual Transmission
*2: Models with Automatic Transmission

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3. System Operation

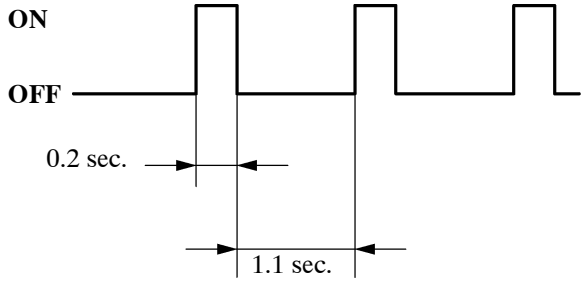
The table below shows how the 4 Wheel Drive Control ECU (For rear diff. lock) controls the rear diff. lock actuator and rear diff. lock indicator light based on the ECU signals received from the switches and signals depending on the operation of the rear diff. lock switch.

▶ Operation Condition ◀

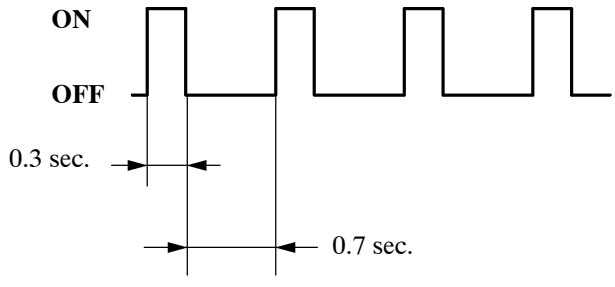
Switches and Signal Condition				Rear Diff. Condition	Rear Diff. Lock Indicator Light
Rear Diff. Lock Switch	Transfer Indicator Switch (LL or L4 Position Switch)	Vehicle Speed	Transfer Indicator Switch (Rear Diff. Lock Detection Switch)		
OFF	OFF	-	OFF	Free	Turn off
ON					Blinks 1
	ON	8 km/h (5 mph) or higher			Blinks 1*
		8 km/h (5 mph) or lower		Rear diff. lock actuator is operating	Blinks 2
			ON	Lock	Turn on

*: When the vehicle speed is higher than 8 km/h (5 mph), the ECU prohibits shifting into the "LOCK" mode, and blinks the rear diff. lock indicator light.

▶ Rear Diff. Lock Indicator Light Blinking Pattern ◀



Blinks 1 07D0CH20C



Blinks 2 07D0CH21C

— REFERENCE —

When the rear diff. lock is operating, the Skid Control ECU stops the operation of brake control functions (ABS, Brake Assist, TRC/A-TRC, VSC) and turns on the ABS warning light.

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