

## ■ FUNCTION OF MAIN COMPONENTS

Item		Outline
Cruise Control Switch	ON-OFF Button	Turns the power to the cruise control system on and off.
	MODE Switch	Switches the control mode, between the constant speed control mode and vehicle-to-vehicle distance mode.
	CANCEL Switch	A cancel signals can be output to the ECM through the operation of this switch.
	RES/+ Switch	The accelerate function and resuming of a preset speed can be performed by operating this switch. A signal is output to the ECM when this switch is operated.
	SET/- Switch	The decelerate function and vehicle speed setting resume signals are output to the ECM due to operation of this switch.
Distance Control Switch		While the system is in the vehicle-to-vehicle distance control mode, the driver can operate the distance control switch to select the vehicle-to-vehicle distance in three stages: long, middle, and short.
Stop Light Switch		Detects the pressing of the brake pedal and transmits its signal to the ECM.
Windshield Wiper Switch Assembly		Transmits the windshield wiper switch assembly information to distance control ECU assembly.
Millimeter Wave Radar Sensor		Radiates radar waves forward, uses the reflected waves to detect the presence of a vehicle being driven ahead, the vehicle-to-vehicle distance, and the relative speed, and transmits this information to the distance control ECU assembly.
Distance Control ECU Assembly		While the system is in the vehicle-to-vehicle distance control mode, the distance control ECU assembly detects the vehicle being followed based on signals from the millimeter wave radar sensor. Then, the distance control ECU assembly calculates the acceleration or deceleration rate required in order to attain the target vehicle-to-vehicle distance, and outputs a request signal to the ECM and or skid control ECU assembly.
Combination Meter Assembly		Transmits the vehicle speed signal (SPD) to the ECM.
	CRUISE Main Indicator Light	<ul style="list-style-type: none"> <li>• Illuminates when the ON-OFF button on the cruise control switch has been pressed to turn the system on.</li> <li>• If ECM or distance control ECU assembly detects a malfunction, this light flashes to warn the driver.</li> </ul>
	Master Warning Light	Illuminates when there is a malfunction in the system.
	Buzzer	If the ECM or distance control ECU assembly detects automatic cancel or warning signals while the vehicle is operating under cruise control, this buzzer sounds to inform the driver.
		During dynamic radar cruise control operation, the multi-information display receives signals from distance control ECU assembly, in order to display the system conditions.
Steering Sensor		Detects the angle and direction of steering and transmits signals to the skid control ECU assembly and distance control ECU assembly.

(Continued)

Item	Outline
Yawrate Sensor	Detects the yaw rate of the vehicle and transmits signals to skid control ECU assembly and distance control ECU assembly.
Rain Sensor	This sensor detects raindrops, and when the wiper operates at HI speed, it requests the ECM to provide a cruise control cancel signal.
Skid Control ECU Assembly	While the system is operating in vehicle-to-vehicle distance control mode, the skid control ECU assembly actuates the brake actuator in accordance with the brake request signal received from the ECM.
Brake Actuator	Actuates the brakes in accordance with the signals from the skid control ECU assembly.
ECM	<ul style="list-style-type: none"><li>Controls the dynamic radar cruise control system in accordance with signals from the switches, sensors, skid control ECU assembly and distance control ECU assembly.</li><li>If the ECM detects a malfunction in the cruise control system, it will store DTCs (Diagnostic Trouble Codes).</li></ul>
Main Body ECU RH (Cowl Side Junction Block RH)	Transmits the SNOW signal to the ECM.