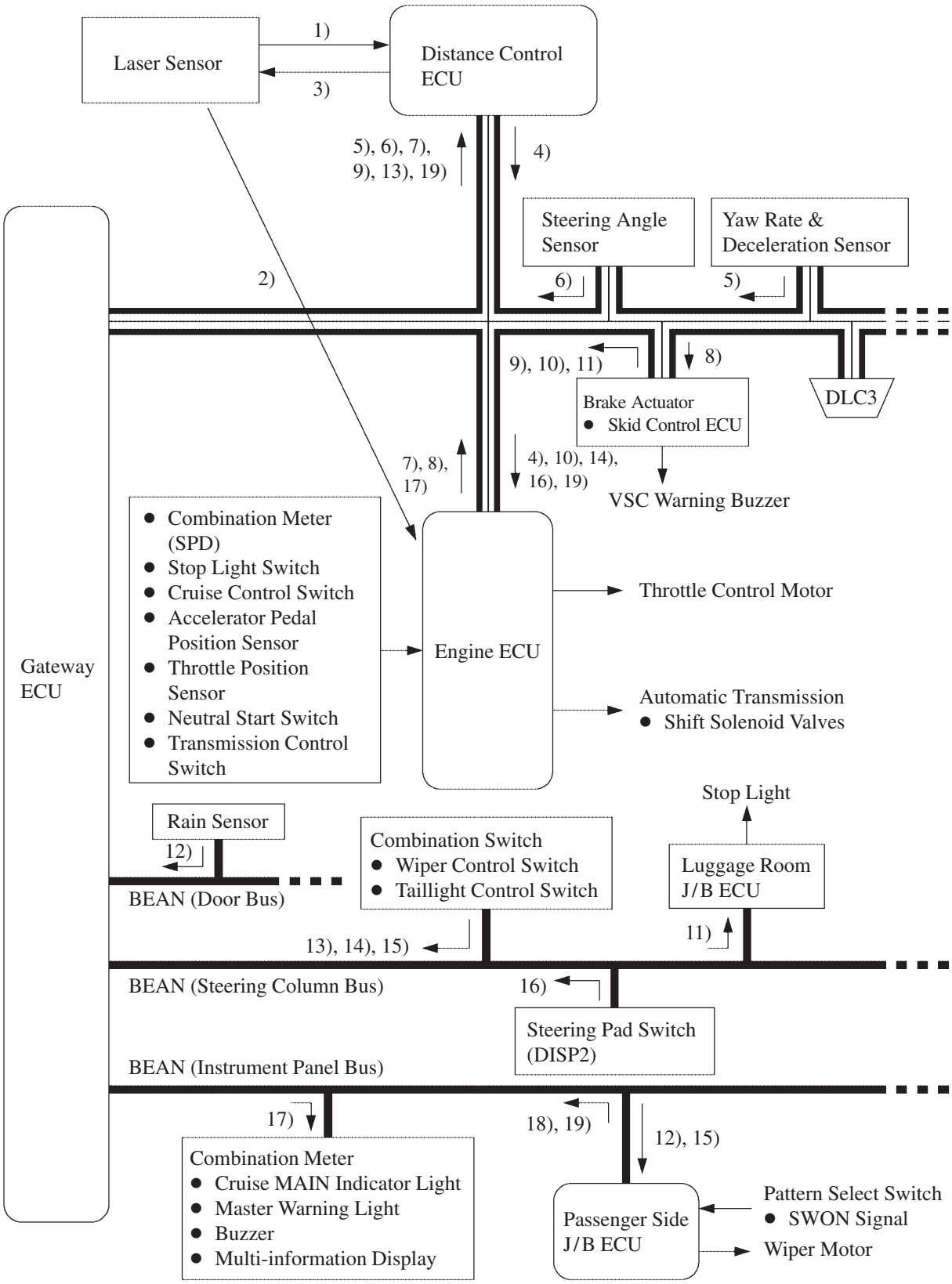
2. System Diagram



259LSW38

No.	Transmit	Receive	Data List	Communication
1)	Laser Sensor	Distance Control ECU	● Vehicle-to-Vehicle Distance ● Presence of Vehicle Ahead ● Relative Acceleration Rate ● Relative Vehicle Speed ● Width and Position of Object Ahead ● Diagnosis Data	Serial
2)		Engine ECU	Laser Sensor Operation Signal	Wire
3)	Distance Control ECU	Laser Sensor	● Actual Vehicle Speed ● Estimated Curve Radius ● Laser Sensor Illumination Request ● Wiper Condition ● Cruise Control Switch ● Taillight Control Switch ● Set Distance ● Beam Axis Adjustment Data	Serial
4)		Engine ECU	● Target Acceleration Rate ● Target Deceleration Rate ● Vehicle-to-Vehicle Distance ● Presence of Vehicle Ahead ● Brake Request ● Beam Axis Deviation ● Laser Sensor Dirtiness Detection ● Poor Weather Detection ● Proximity Warning ● Gear Request ● Diagnosis Data	CAN
5)	Yaw Rate & Deceleration Sensor	Distance Control ECU	Yaw Rate	
6)	Steering Angle Sensor		Steering Angle	
7)	Engine ECU		● Vehicle-to-Vehicle Distance Control Mode Switching ● Setting Vehicle Speed ● Actual Vehicle Speed ● Cruise Control Switch (MAIN Switch) ● Set Distance ● Brake Request Response ● Accelerator Pedal Idle ● Stop Light Signal ● Transmission Information	
8)		Skid Control ECU	● Target Deceleration Rate ● Target Deceleration Rate Gradient ● Brake Request	

No.	Transmit	Receive	Data List	Communication
9)	Skid Control ECU	Distance Control ECU	Zero Point Information of Yaw Rate	CAN
10)		Engine ECU	● Cruise Control Cancel Request ● Brake Request Response	
11)		Luggage Room J/B ECU	Stop Light Illuminate Request	
12)	Rain Sensor	Passenger Side J/B ECU	Raindrop Volume	BEAN
13)	Combination Switch	Distance Control ECU	● Wiper Control Switch ● Taillight Control Switch	BEAN and CAN
14)		Passenger Side J/B ECU	Wiper Control Switch	BEAN
15)		Engine ECU	Wiper Control Switch	BEAN and CAN
16)	Steering Pad Switch (DISP2)		Steering Pad Switch (DISP2)	
17)	Engine ECU	Combination Meter	● Cruise Control Switch ● Steering Pad Switch ● Proximity Warning ● Warning	
18)	Passenger Side J/B ECU	Distance Control ECU	Wiper Operation	
19)		Engine ECU	Pattern Select Switch	