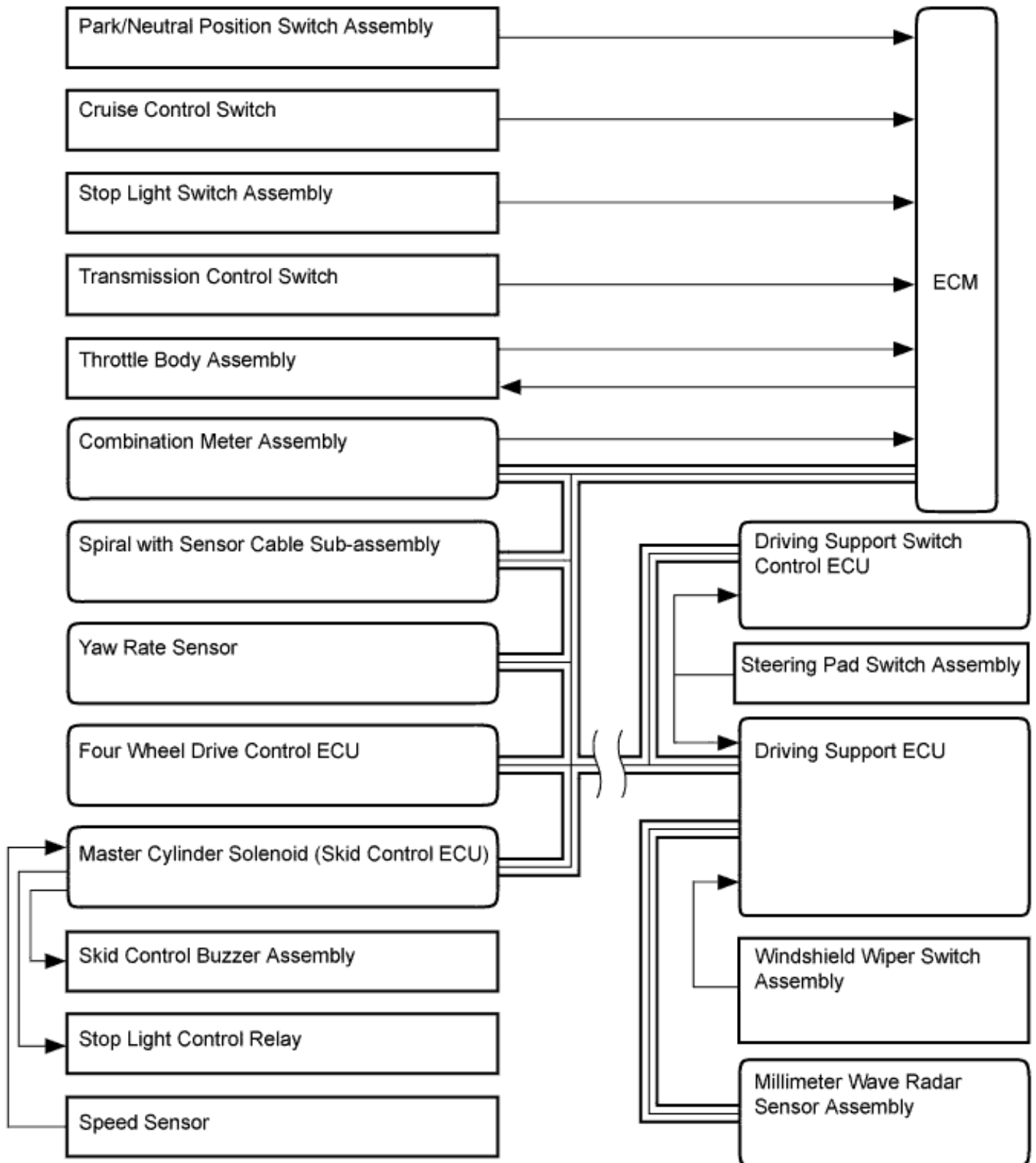


## DYNAMIC RADAR CRUISE CONTROL SYSTEM > SYSTEM DIAGRAM

for Preparation [Click here](#)



≡≡≡ : CAN Communication Line

## Communication Table

Sender	Receiver	Signal	Line
Spiral with Sensor Cable Sub-assembly	Driving Support ECU	<ul style="list-style-type: none"> <li>Steering angle sensor signal</li> <li>Steering angle sensor malfunction signal</li> <li>Steering angle sensor zero point signal</li> </ul>	CAN
Yaw Rate Sensor	Driving Support ECU	<ul style="list-style-type: none"> <li>Yaw rate sensor signal</li> <li>Yaw rate sensor voltage signal</li> </ul>	CAN
Skid Control ECU	Driving Support ECU	<ul style="list-style-type: none"> <li>Brake component malfunction signal</li> <li>Warning buzzer malfunction signal</li> <li>Wheel speed signal</li> <li>Speed sensor power drop signal</li> <li>Speed sensor condition signal</li> <li>Yaw rate sensor signal</li> <li>Yaw rate sensor zero point error signal</li> </ul>	CAN
ECM	Driving Support ECU	<ul style="list-style-type: none"> <li>Cruise control switch signal</li> <li>Automatic transmission signal</li> <li>Cruise control operation signal</li> <li>Current vehicle speed signal</li> <li>Brake control operation signal</li> </ul>	CAN
Main Body ECU (Multiplex Network Body ECU)	Driving Support ECU	Country specification information signal	CAN
ECM	Combination Meter Assembly	<ul style="list-style-type: none"> <li>Vehicle-to-vehicle</li> </ul>	CAN

		<ul style="list-style-type: none"> <li>distance control signal</li> <li>• Millimeter wave radar sensor grime signal</li> <li>• Bad weather detection signal</li> <li>• Approach warning signal</li> <li>• Preceding vehicle detection signal</li> <li>• Millimeter wave radar sensor beam axis deviation signal</li> <li>• Dynamic radar cruise warning signal</li> <li>• Cruise control indicator light signal</li> <li>• Cruise control SET indicator light signal</li> <li>• Cruise control set speed signal</li> <li>• Constant speed cruise signal</li> <li>• Dynamic radar cruise control diagnostic signal</li> </ul>	
Driving Support ECU	ECM	<ul style="list-style-type: none"> <li>• Distance control switch signal</li> <li>• Millimeter wave radar sensor assembly beam axis deviation signal</li> <li>• Millimeter wave radar sensor assembly malfunction signal</li> <li>• Communication error signal (from driving support ECU to millimeter wave radar</li> </ul>	CAN

		<ul style="list-style-type: none"> <li>sensor assembly)</li> <li>• Communication error signal (from ECM to driving support ECU)</li> <li>• Communication error signal (from skid control ECU to driving support ECU)</li> <li>• Yaw rate communication error signal</li> <li>• Steering angle sensor communication error signal</li> <li>• Dynamic radar cruise designation response signal</li> <li>• Vehicle-to-vehicle distance control signal</li> <li>• Brake control demand signal</li> <li>• Throttle fully closed demand signal</li> <li>• Approach warning signal</li> <li>• Cruise target deceleration gradient signal</li> <li>• Vehicle-to-vehicle distance control acceleration signal</li> </ul>	
ECM	Skid Control ECU	<ul style="list-style-type: none"> <li>• Cruise target deceleration gradient signal</li> <li>• Cruise target deceleration signal</li> <li>• Throttle fully closed demand signal</li> <li>• Brake control demand signal</li> <li>• Cruise control operation signal</li> <li>• Approach warning signal</li> </ul>	CAN

		(skid control buzzer demand signal)	
Skid Control ECU	ECM	<ul style="list-style-type: none"> <li>• Brake component malfunction signal</li> <li>• Brake control malfunction signal</li> <li>• Cruise control cancel signal</li> <li>• Communication logic error signal</li> <li>• Brake demand response signal</li> <li>• Brake control operation signal</li> </ul>	CAN
Millimeter Wave Radar Sensor Assembly	Driving Support ECU	<ul style="list-style-type: none"> <li>• Forward vehicle detection signal</li> <li>• Relative speed</li> <li>• Cruise control diagnosis signal</li> </ul>	CAN
Four Wheel Drive Control ECU	ECM	Cruise control cancel signal	CAN
Driving Support Switch Control ECU	ECM	Cruise control cancel signal	CAN

