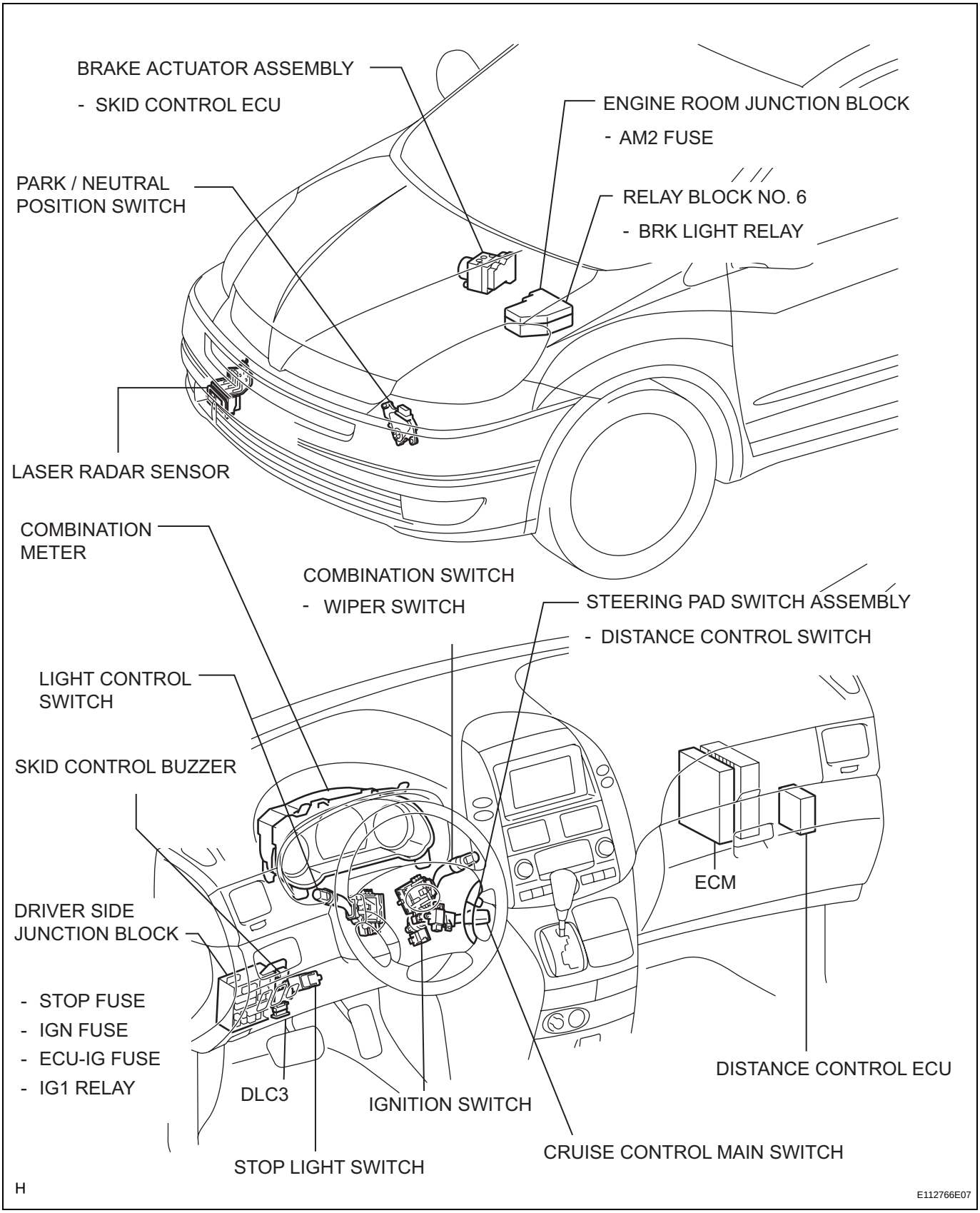
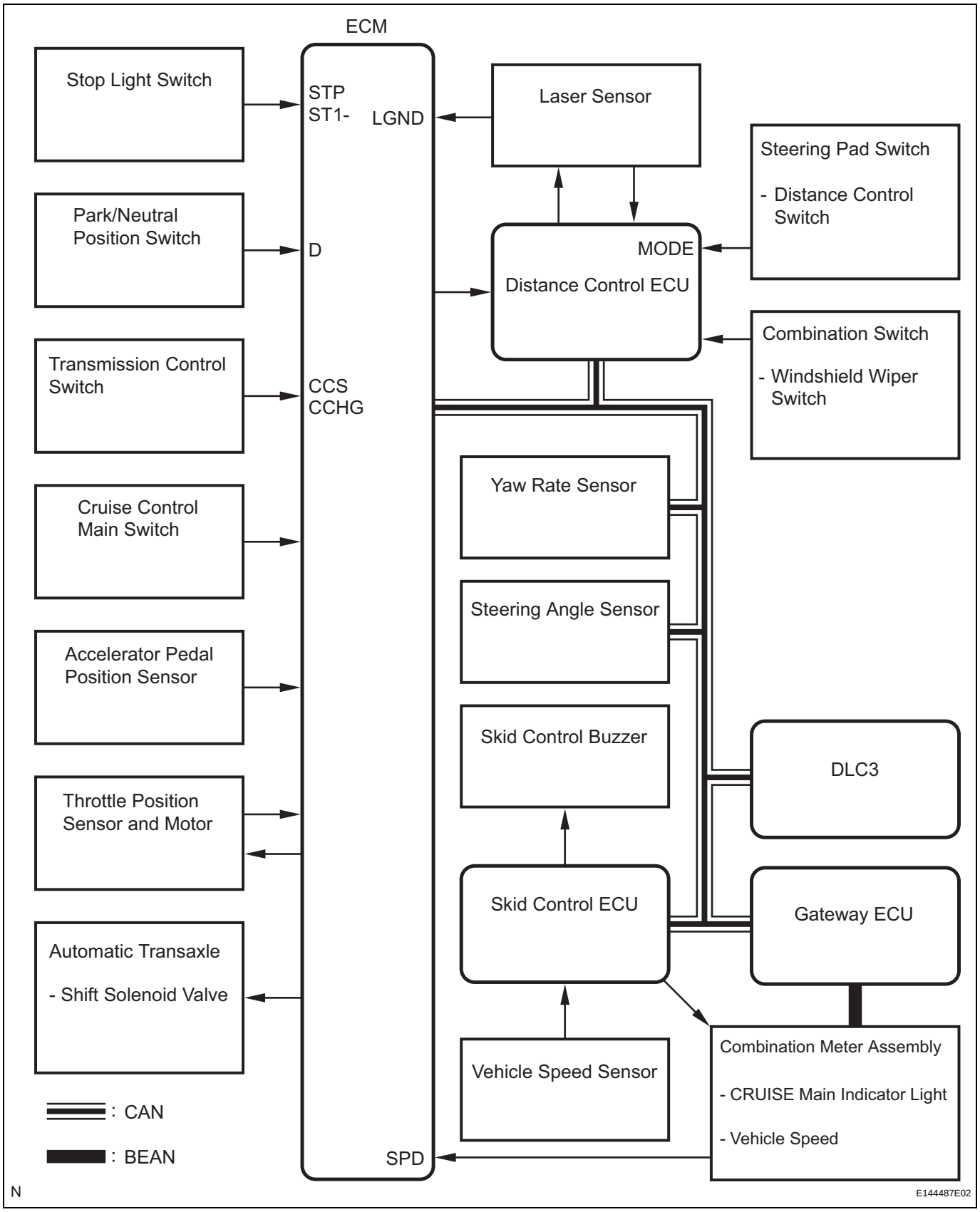
PARTS LOCATION



SYSTEM DIAGRAM



CC

Communication table

Sender	Receiver	Signal	Line
ECM	Distance Control ECU	• A/T signal • Cruise control operation signal • Accelerator pedal idle signal • Set vehicle distance signal • Brake demand response signal • Stored vehicle speed signal • Current vehicle speed signal • Cruise control switch signal • Brake control operation signal • Dynamic laser cruise designation signal • Brake control interrupting signal • Cruise control demand opening angle signal	CAN
Distance Control ECU	ECM	• Laser sensor beam axis deviation signal • Laser sensor malfunction signal • Dirt present on laser sensor signal • Bad weather detection signal • Communication error signal (from distance control ECU to laser sensor) • Communication error signal (from ECM to distance control ECU) • Communication error signal (from skid control ECU to distance control ECU) • Yaw rate communication error signal • Steering angle sensor communication error signal • Distance control ECU voltage signal • Dynamic laser cruise designation response signal • Estimated vehicle speed signal • Vehicle-to-vehicle distance signal • Vehicle-to-vehicle distance control signal • Brake control demand signal • Throttle fully closed demand signal • Approach warning signal (Skid control buzzer demand signal) • Cruise target deceleration gradient signal • Vehicle-to-vehicle distance control acceleration signal • Downshift demand signal	CAN
ECM	Skid Control ECU	• Cruise target deceleration gradient signal • Cruise target deceleration signal • Throttle fully closed demand signal • Brake control demand signal • Cruise control operation signal	CAN

Sender	Receiver	Signal	Line
Skid Control ECU	Distance Control ECU	• Wheel speed signal • Speed sensor power drop signal • Speed sensor condition signal • Yaw rate sensor signal • Yaw rate sensor zero point error signal	CAN
Skid Control ECU	ECM	• Brake component malfunction signal • Brake control malfunction signal • Drive wheel slip signal • Cruise control cancel signal • Skid control buzzer malfunction signal • Communication logic error signal (from ECM to skid control ECU) • Brake demand response signal • Brake control interrupting signal • Brake control operation signal	CAN
Steering Angle Sensor	Distance Control ECU	• +B open circuit malfunction signal • Sensor malfunction signal • Steering angle signal • Sensor zero point signal	CAN
Yaw Rate Sensor	Distance Control ECU	• Yaw rate sensor signal • Yaw rate sensor voltage signal	CAN
ECM	Combination Meter (Meter ECU)	• Cruise control diagnosis signal (DTC) • Preceding vehicle detection signal • Approach warning signal • Vehicle-to-vehicle distance signal • Dirt present on laser sensor signal • Bad weather detection signal • Vehicle-to-vehicle distance control signal • Vehicle-to-vehicle distance control check mode signal • Vehicle-to-vehicle distance control standby condition signal • Constant speed cruise signal • CRUISE indicator operation signal • Cruise control warning signal • Dynamic laser cruise warning signal • Cruise control vehicle speed signal	• CAN • BEAN (Instrument Panel Bus)
Distance Control ECU	Combination Meter (Meter ECU)	• Vehicle-to-vehicle distance signal • Preceding vehicle detection signal	• CAN • BEAN (Instrument Panel Bus)