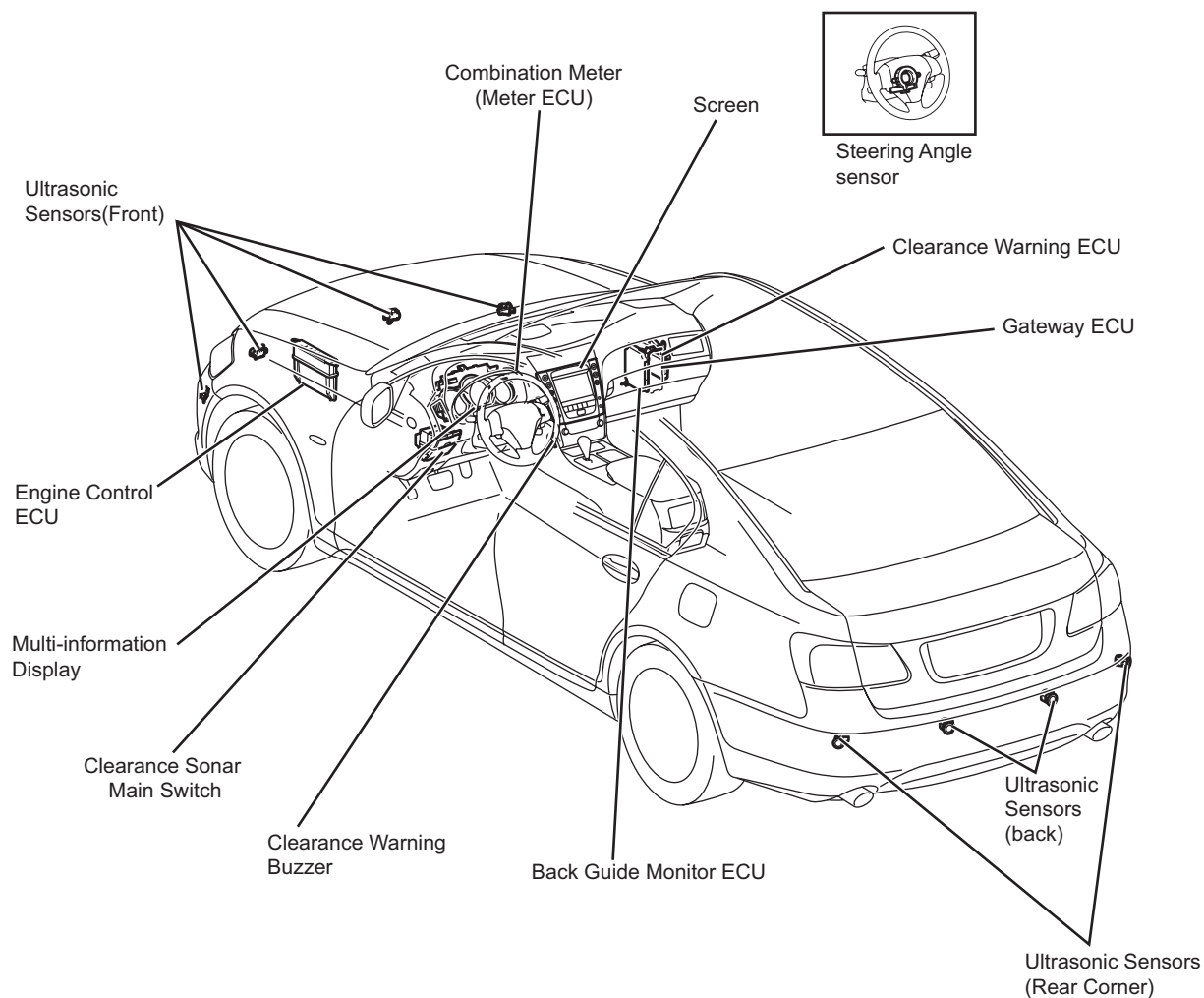


Layout of Main Components

- The LEXUS Parking Assist-sensor(steering-guided) consists primarily of the following components.



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Function of main components

Components	Function
Clearance Warning ECU	• Switches the transmission and reception of a sensor, amplifies and processes the received waves, controls the actuation of the buzzer, and determines a failure in the sensor. • Transmits the detection condition display data via the BEAN (Body Electronics Area Network). • Actuates the clearance warning buzzer in accordance with an obstacle judgment. • Outputs an obstacle detection data to the back guide monitor ECU.Via the BEAN. • Judges the operating conditions and effects correction control in accordance with the individual pieces of data received via the BEAN (Body Electronics Area Network).
Ultrasonic Sensors	• Transmits and receives ultrasound waves to detect an obstacle and outputs signals to the clearance warning ECU.
Clearance Sonar Main Switch	• Outputs the ON/OFF of the system to the clearance warning ECU.
Combination Meter(Meter ECU)	• Receives the detection condition display data from the clearance warning ECU via the instrument panel system BEAN (Body Electronics Area Network), and displays graphics on the multi-information display.
Clearance Warning Buzzer	• Sounds in accordance with the control of the clearance warning ECU.
Gateway ECU	• Relays and transmits the individual pieces of data from the door bus, steering column bus, and instrument panel bus BEAN (Body Electronics Area Network) and AVC-LAN.
Engine Control ECU	• Transmits the shift position data based on the signals from the neutral start switch via the CAN (Controller Area Network).
Screen	• Receives the video signals from the back guide monitor ECU via AVC-LAN and displays graphics. • Transmits the various types of adjustment data that is set on the display information screen to the clearance warning ECU.
Back Guide Monitor ECU	• Receives the obstacle detection data from the clearance warning ECU and outputs video signals to the screen.