

SYSTEM DESCRIPTION

1. METER GAUGE AND WARNING/INDICATOR

GAUGE:

Item	Signal Description
Speedometer	Based on a signal received from the wheel speed sensor, the skid control ECU calculates vehicle speed and transmits the data to the meter .
Fuel	Displays a fuel level receiving a signal from the fuel sender gauge (Direct line).

WARNING / INDICATOR:

Item	Signal Description
TURN	Turn signal switch is ON.
BEAM	Displays receiving a signal from the body ECU (Direct line).
CHARGE	Receives the malfunction signal from the alternator.
CHECK ENGINE	Receives the malfunction signal from the ECM.
DOOR	Open door indicator comes on receiving a signal from the body ECU (Direct line).
SEAT BELT	Driver's seat belt buckle switch is OFF (Unfastened).
BRAKE	Displays when the parking brake switch is ON or the brake fluid level warning switch is ON.
MAINT REQUID (Blinks)	Blinks when running 4,500 miles after ODO/TRIP switch is set.
MAINT REQUID (Comes on)	Comes on when running 5,000 miles after ODO/TRIP switch is set.
CRUISE	Receives the malfunction signal from the ECM.
AIRBAG	Receives the malfunction signal from the airbag ECU.
FUEL	Receives the fuel empty signal from the fuel sender gauge.
A/T P	Receives the P signal from the hybrid vehicle control ECU (BEAN).
A/T R	Receives the R signal from the hybrid vehicle control ECU (BEAN).
A/T N	Receives the N signal from the hybrid vehicle control ECU (BEAN).
A/T D	Receives the D signal from the hybrid vehicle control ECU (BEAN).
A/T B	Receives the B signal from the hybrid vehicle control ECU (BEAN).
SLIP	Receives the malfunction signal from the skid control ECU.
VSC	Receives the malfunction signal from the skid control ECU.
ABS	Receives the malfunction signal from the skid control ECU.
ECB	Receives the malfunction signal from the skid control ECU.
LOW AMBIENT TEMP.	Receives the LOW AMBIENT TEMP. signal from A/C ECM (BEAN).
A/C AUTO	Receives the A/C AUTO signal from A/C ECM (BEAN).
RECIRCULATE	Receives the RECIRCULATE signal from A/C ECM (BEAN).
Rr DEF	Receives the Rr DEF signal from A/C ECM (BEAN).
Fr DEF	Receives the Fr DEF signal from A/C ECM (BEAN).
SECURITY	Receives the SECURITY signal from Security ECU (BEAN).
SMART	Receives the SMART signal from Smart key ECU (BEAN).

2. GENERAL

- The combination meter is digital display type.
- The meter ECU and buzzer are installed in the combination meter. The meter ECU maintains communication with other ECUs through the BEAN. It also maintains communication with the ECUs (or components) that compose the CAN and AVC-LAN through the gateway ECU.
- The "READY" light comes on to inform the driver that the vehicle is ready to be driven.
- The low ambient temperature indicator light comes on to inform the driver that the ambient temperature is low (below 3°C).
- The master warning light comes on with buzzer sounding if there is a malfunction in each system (see page 05–1986).
- The two inclination sensors are built in the combination meter to detect the inclination (longitudinal and latitudinal) of the vehicle.

- The oil replacement reminder light comes on/blinks to remind the driver to change the engine oil depending on the vehicle driving distance.
- 3. LOW AMBIENT TEMPERATURE INDICATOR LIGHT**
- When turning the power switch on, the meter ECU turns on the low ambient temperature warning light for 3 seconds for the bulb check.
 - The meter ECU determines the ambient temperature with the ambient temperature sensor signal from the air conditioning system. The meter ECU turns on the warning light, which blinks for 3 seconds and then remains on when it determines that the ambient temperature is below 3°C. The meter ECU turns off the warning light once the ambient temperature increases above 5°C.
- 4. OIL REPLACEMENT REMINDER WARNING LIGHT (U.S.A. models)**
- 4500 miles after ODO/TRIP switch is set, the maintenance indicator begins to blink for 15 seconds after the power switch ON(ACC or IG) position.
 - 5000 miles after ODO/TRIP switch is set, the maintenance indicator comes on. For resetting procedure (see page [05–2016](#)).
- 5. FUEL GAUGE**
- For the purpose of correcting the calculation of the fuel level by the meter ECU, two inclination sensors that detect the vehicle's longitudinal and latitudinal inclinations have been provided in the meter ECU. The fuel temperature sensor has been provided in the fuel tank to detect the temperature in the fuel tank.
 - The fuel level is calculated by the meter ECU in accordance with the signals of the sender gauge located in the sub tank and the vehicle speed signal received from the brake ECU. At this time, corrections are made by the signals from the inclination sensor that detect the vehicle's longitudinal and latitudinal inclinations and the fuel temperature sensor that detects the temperature in the fuel tank. For the inclination sensor centered value setting (see page [05–2016](#)).