

SYSTEM DESCRIPTION

1. METER GAUGE AND WARNING/INDICATOR

Gauge

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

Warning / Indicator

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

2. GENERAL

- The combination meter is digital display type.
- 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 meter ECU and buzzer are installed in the combination meter.
- 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 (6.6°F)).
- The master warning light comes on with buzzer sounding if there is a malfunction in each system (see page [ME-11](#)).
- The 2 inclination sensors are built in the combination meter to detect the inclination (longitudinal and latitudinal) of the vehicle.

3. OIL REPLACEMENT REMINDER WARNING LIGHT (w/ REMINDER WARNING LIGHT)

- 4,500 miles after ODO/TRIP switch is set, the maintenance indicator begins to blink for 15 seconds after the power switch is turned ON (ACC or IG).
- 5,000 miles after ODO/TRIP switch is set, the maintenance indicator comes on. For resetting, refer to the following procedure (see page [ME-23](#)).

4. FUEL GAUGE

- For the purpose of correcting the calculation of the fuel level by the meter ECU, 2 inclination sensors that detect the vehicle's longitudinal and latitudinal inclinations are installed in the meter ECU. The fuel temperature sensor are installed 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 sensors that detects the temperature in the fuel tank. For the inclination sensor centered value setting, refer to the following procedure (see page [ME-23](#)).