05IAD–01

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.
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 05–1684).

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.