

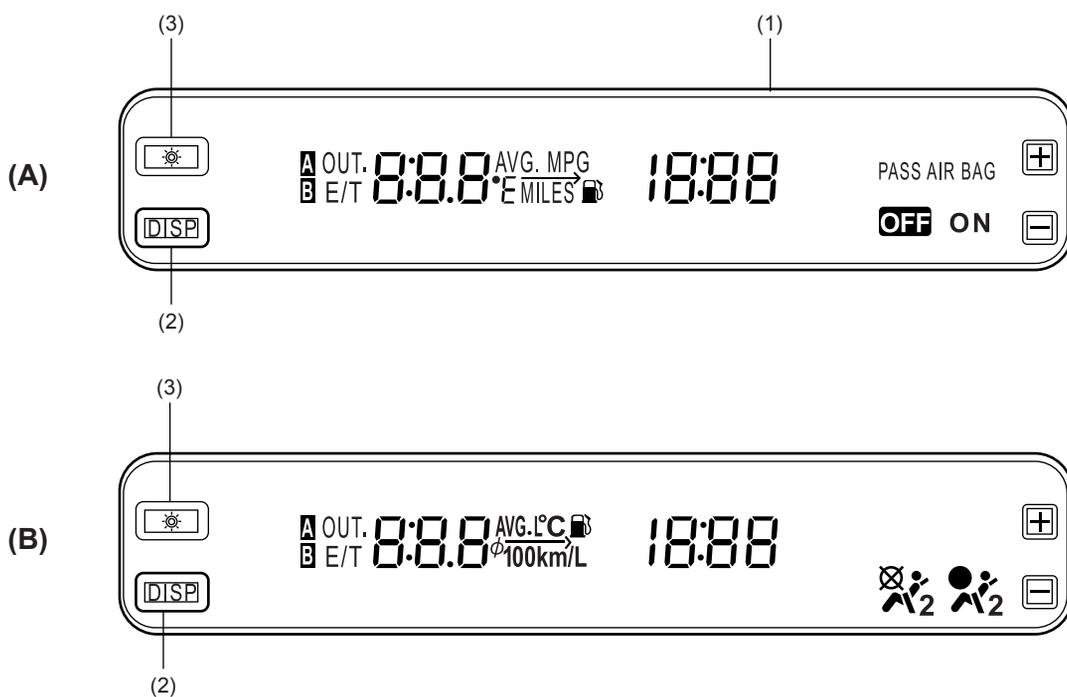
CLOCK UNIT

INSTRUMENTATION/DRIVER INFO

2. Clock Unit

A: GENERAL

The clock unit display can be switched to indicate outside air temperature, fuel efficiency, remaining travel distance or continuous driving time, by operating a button. The DISP button is used for switching the display, and the indicated information switches in the following sequence each time the button is pressed: outside temperature → fuel efficiency at the instant → average fuel efficiency → remaining travel distance → continuous driving time. These data are sent from the combination meter by means of digital communication. This clock unit is provided with a function to automatically display a failure; if the accessory power circuit is open it displays “Acc”, and if the ignition power circuit is open it displays “ign”. If an abnormality is detected in the communication between the combination meter and clock unit or in the received data, “Err” is displayed. If no data can be received, “Err” will always be displayed even when the indication is switched with the DISP button, but when only a specific data is not received, “Err” will be displayed only when the indication is switched to display that data. For example, if outside temperature data is not received “Err” will be displayed only when the thermometer feature is selected, and other indications such as the fuel efficiency meter will be displayed normally.



IDI00167

IDI00172

- (A) For U.S.
- (1) Clock unit
- (2) DISP button

- (B) For Canada
- (3) BRIGHT button

B: OPERATION

1. CLOCK DISPLAY

The clock shows time when the ignition switch is turned to ACC or further from OFF.

2. INSTANT FUEL EFFICIENCY, AVERAGE FUEL EFFICIENCY, REMAINING TRAVEL DISTANCE AND CONTINUOUS DRIVING TIME DISPLAY

The combination meter microprocessor performs calculations based on vehicle speed signals from the ABS/VDC control module, remaining fuel signals from the body integrated unit, fuel efficiency signals from the engine control module, and engine start signals, and then sends the data to the clock unit.

- **Average fuel efficiency**

The value is calculated from the distance and total amount of consumed fuel since the trip meter has been reset the last time.

- **Instant fuel efficiency**

The value is calculated during driving, based on the traveled distance and amount of consumed fuel recorded for a certain period.

- **Remaining travel distance**

The value is calculated from the average fuel efficiency in recent 30 km (18.8 miles) and the amount of remaining fuel.

- **Continuous driving time**

Indicates the total time since the engine has been started.

3. OUTSIDE AIR TEMPERATURE DISPLAY

The body integrated unit performs calculations based on outside air temperature signals from the ambient sensor and vehicle speed signals from the ABS/VDC control module, and then sends the data via the combination meter to the clock unit.

4. BRIGHT (DIMMER CANCELING) FUNCTION

The dimmer can be cancelled by pushing the BRIGHT button when the lighting switch is ON. The lights returns to the dimmed state when the button is pushed again.

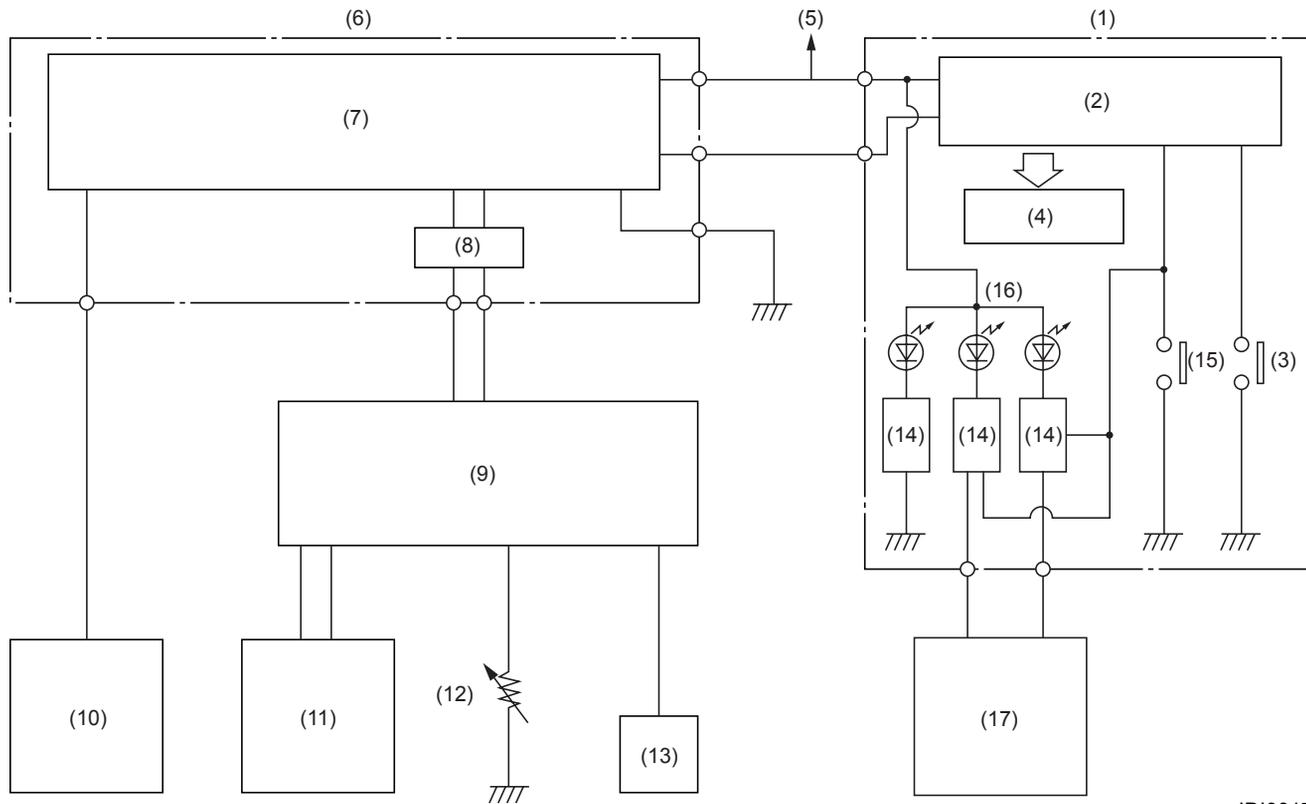
5. PASSENGER'S SEAT AIRBAG INDICATOR

When this indicator (a mark on vehicles for Canada) is ON, the passenger's seat airbag will deploy in case of a front collision that should cause the airbag system to activate. When the indicator (a mark on vehicles for Canada) is OFF the passengers seat airbag will not deploy.

CLOCK UNIT

INSTRUMENTATION/DRIVER INFO

C: SCHEMATIC DRAWINGS



IDI00173

- | | |
|----------------------------------|--|
| (1) Clock unit | (10) ABS or VDC control module |
| (2) Microprocessor | (11) Engine control module |
| (3) DISP button | (12) Fuel level sensor |
| (4) Display | (13) Ambient sensor |
| (5) Ignition switch | (14) Dimmer canceling circuit |
| (6) Combination meter | (15) BRIGHT button |
| (7) Microprocessor | (16) Passenger's seat airbag indicator |
| (8) CAN transmitter and receiver | (17) Airbag control module |
| (9) Body integrated unit | |