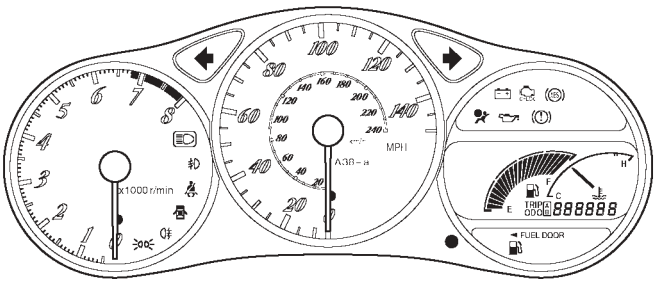
METER

■COMBINATION METER

1. General

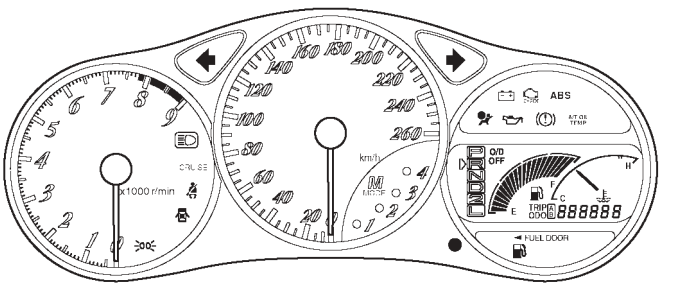
The combination meter of CELICA has the following features.

- The speedometer and the tachometer use analog displays. The fuel gauge, engine coolant temperature gauge, odo/trip meter, and the shift position indicator use an LCD (Liquid Crystal Display) digital integrated display.
- The speedometer and the tachometer are illuminated by the LEDs (Light Emitting Diodes) when the ignition switch is turned ON. As a result, excellent visibility has been achieved, regardless of whether it is day or night.
- On the model with the E-Shift system, a shift indicator (M-mode indicator and gear position indicator) has been adopted in the speedometer.
- This combination meter has adopted a meter ECU, and unidirectional communication called the UART (Universal Asynchronous Receiver Transmitter) between the body ECU and the meter ECU, and multidirectional communication called the BEAN (Body Electronics Area Network) between the meter ECU and engine ECU.



Manual Transaxle Model

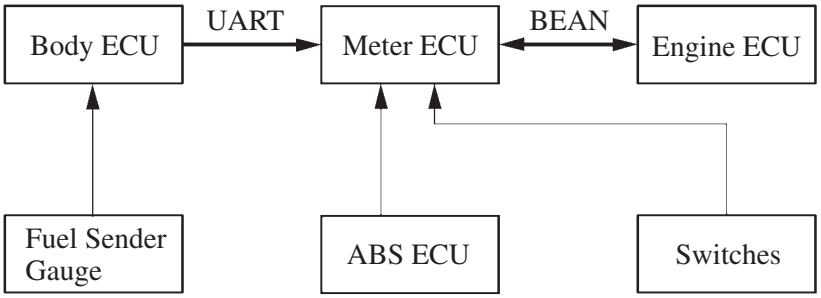
174BE01



Automatic Transaxle Model (with E-Shift)

174BE02

▶ System Diagram ◀

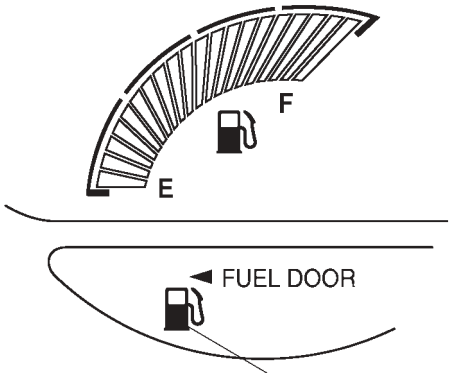


169BE06

2. Constraction and Operation

Fuel Gauge

An LCD (Liquid Crystal Display) has been adopted for the fuel gauge. The amount of fuel remaining is indicated by 20 segments, and if the fuel remaining becomes less than 1 segment, a low fuel level warning light becomes lit.
The remaining fuel data is transmitted by the fuel sender gauge via the body ECU to the meter ECU.

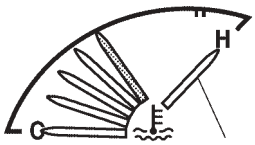


Low Fuel Level Warning Light

169BE07

Engine Coolant Temperature Gauge

- An LCD (Liquid Crystal Display) has been adopted for the engine coolant temperature gauge. The changes in the engine coolant temperature are divided into 6 levels, which are indicated by 6 segments.
- If the engine coolant temperature exceeds 118°C, the sixth segment flashes as a high engine coolant temperature warning.
- The temperature range per segment is indicated in the table below.



Segment 6

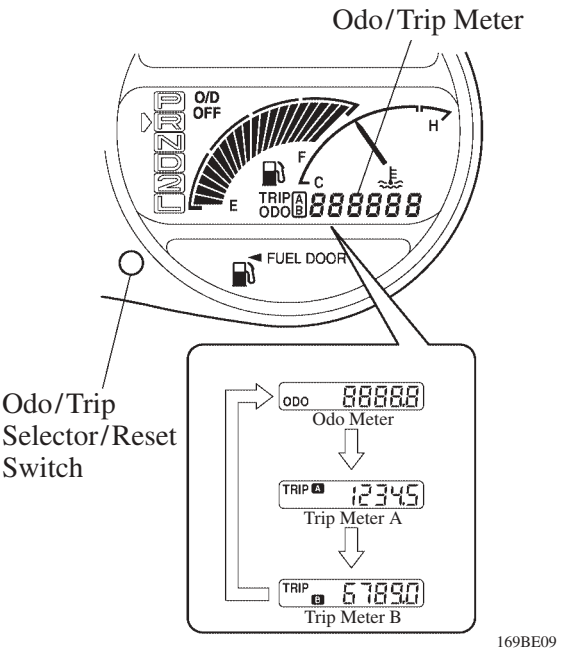
169BE08

Segment		1	2	3	4	5	6
Temperature Range (°C)	Lower Limit (minimum)	–	50	70	80	110	118
	Upper Limit (maximum)	50	70	80	110	118	–

BE

Odo / Trip Meter

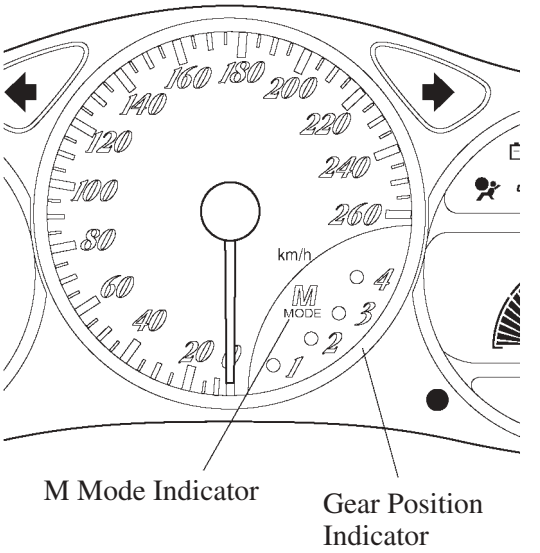
An LCD (Liquid Crystal Display) has been adopted for the odo/trip meter. The switching of the modes is effected by pressing the odo/trip selector/reset switch, which causes the LCD to display in the following order: odometer → tripmeter A → tripmeter B.
While fripmeter A or B is displayed, pressing the odo/trip selector/reset switch 0.8 seconds or longer causes the driven distance displayed by the current trip mode to revert to 0.0 mile.
The tripmeter will resume measuring the distance at the moment the odo/trip selector/reset switch is released.



169BE09

Shift Indicator

The models with the E-Shift system are provided with a shift indicator (M-mode indicator and gear position indicator) in the speedometer. The M-mode indicator illuminates when the M position has been selected with the shift lever, and the gear position indicator illuminates the gear position indicator of the respective shift position (L, 2, D, M).



174CH01