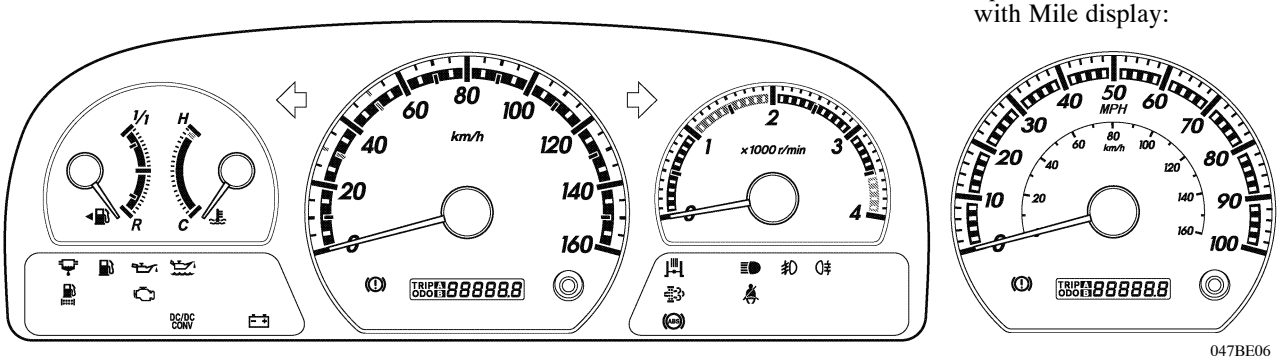
■ COMBINATION METER

1. General

- An electrical-type meter which uses a stepper motor for needle indication is used to drive the indicator needles of the speedometer, tachometer, fuel gauge and water temperature gauge.
- The ODO/TRIP meter has been changed from the mechanical type (single trip) to an LCD type (twin trip).
- A rheostat that can switch the illumination intensity of the combination meter is used.
- The layout of the operation warning indicator lights has been changed.
- The automatic/manual open/close status of the center door of models for Australia, G.C.C. Countries, Taiwan, Hong Kong and General Countries is indicated by an indicator light in the meter.
- The light source for the operation indicators has been changed from bulbs to LEDs.
- A driver's seat belt warning buzzer is used in models for Europe, Australia and G.C.C. Countries.
- A multi buzzer which sounds the warning buzzers has been incorporated into the meter.

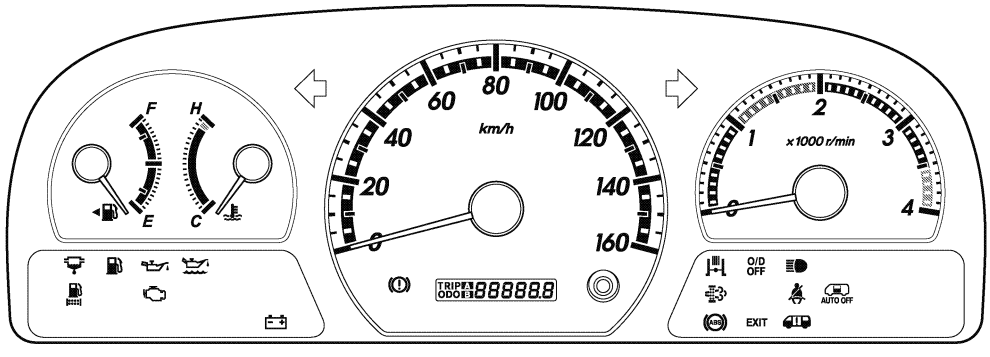
▶ for Europe Models ◀

Speedometer:
with Mile display:



047BE06

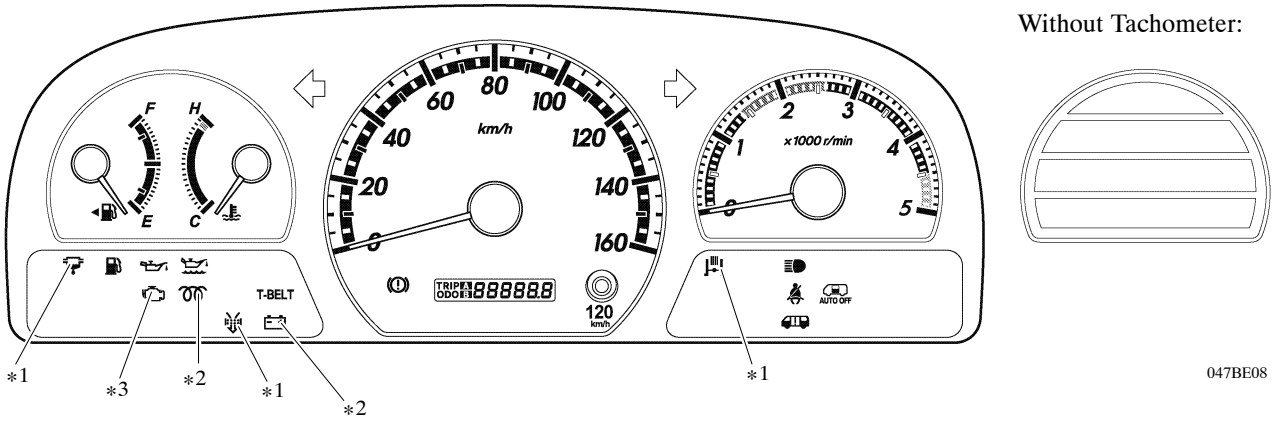
▶ for Australia Models ◀



047BE07

▶ for G.C.C. Countries Models ◀

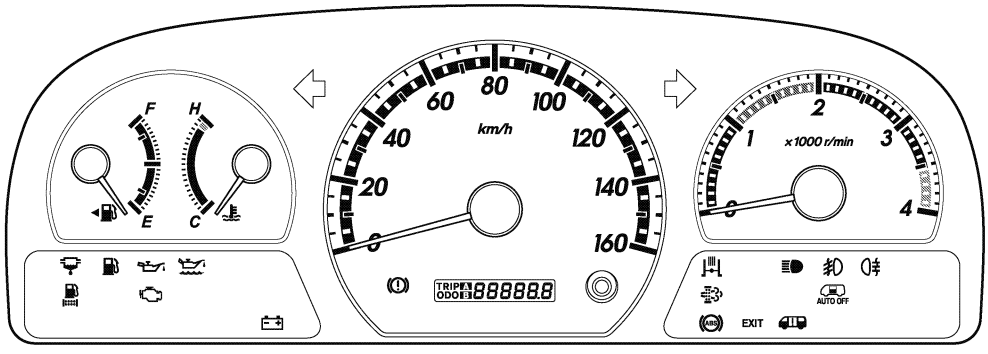
Without Tachometer:



047BE08

∗1: 14B, 1HZ engine models
∗2: 1HZ engine models
∗3: 2TR-FE engine models

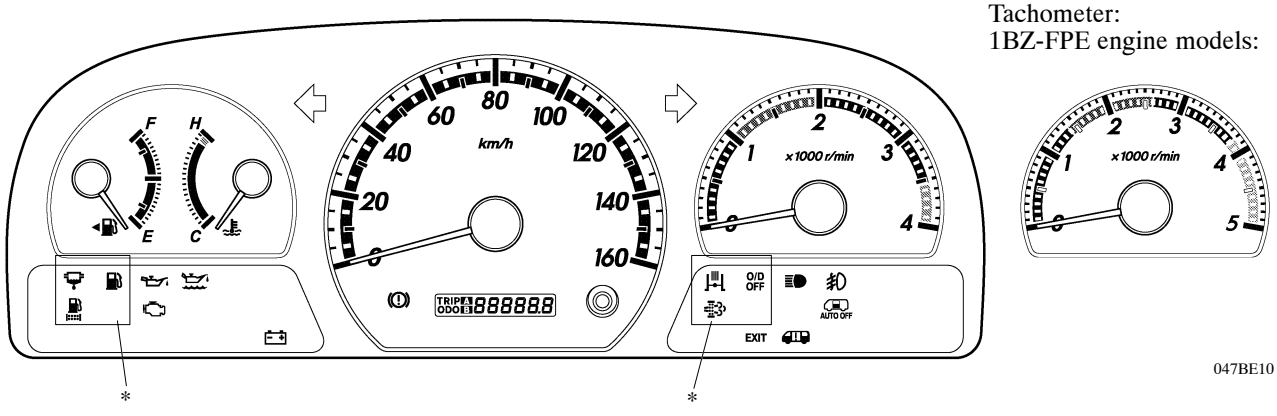
▶ for Taiwan Models ◀



047BE09

▶ for Hong Kong Models ◀

Tachometer:
1BZ-FPE engine models:

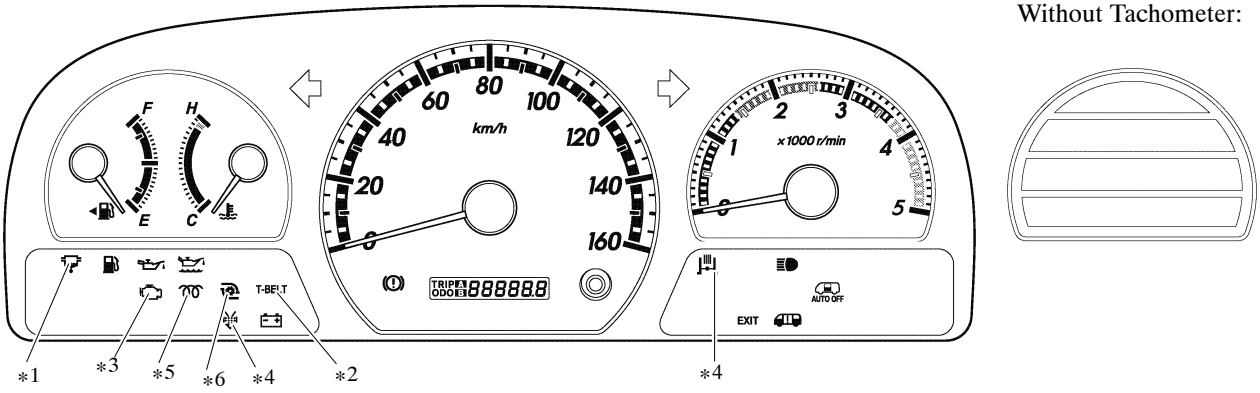


047BE10

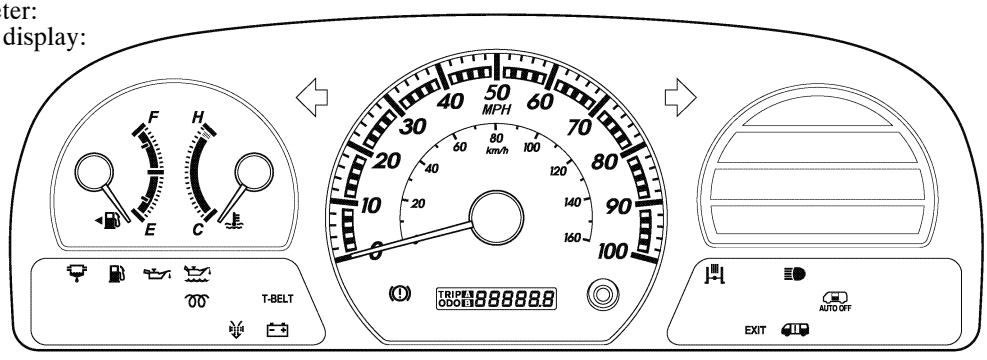
∗: N04C-UH engine models

▶ for General Countries Models ◀

Without Tachometer:



Speedometer:
with Mile display:



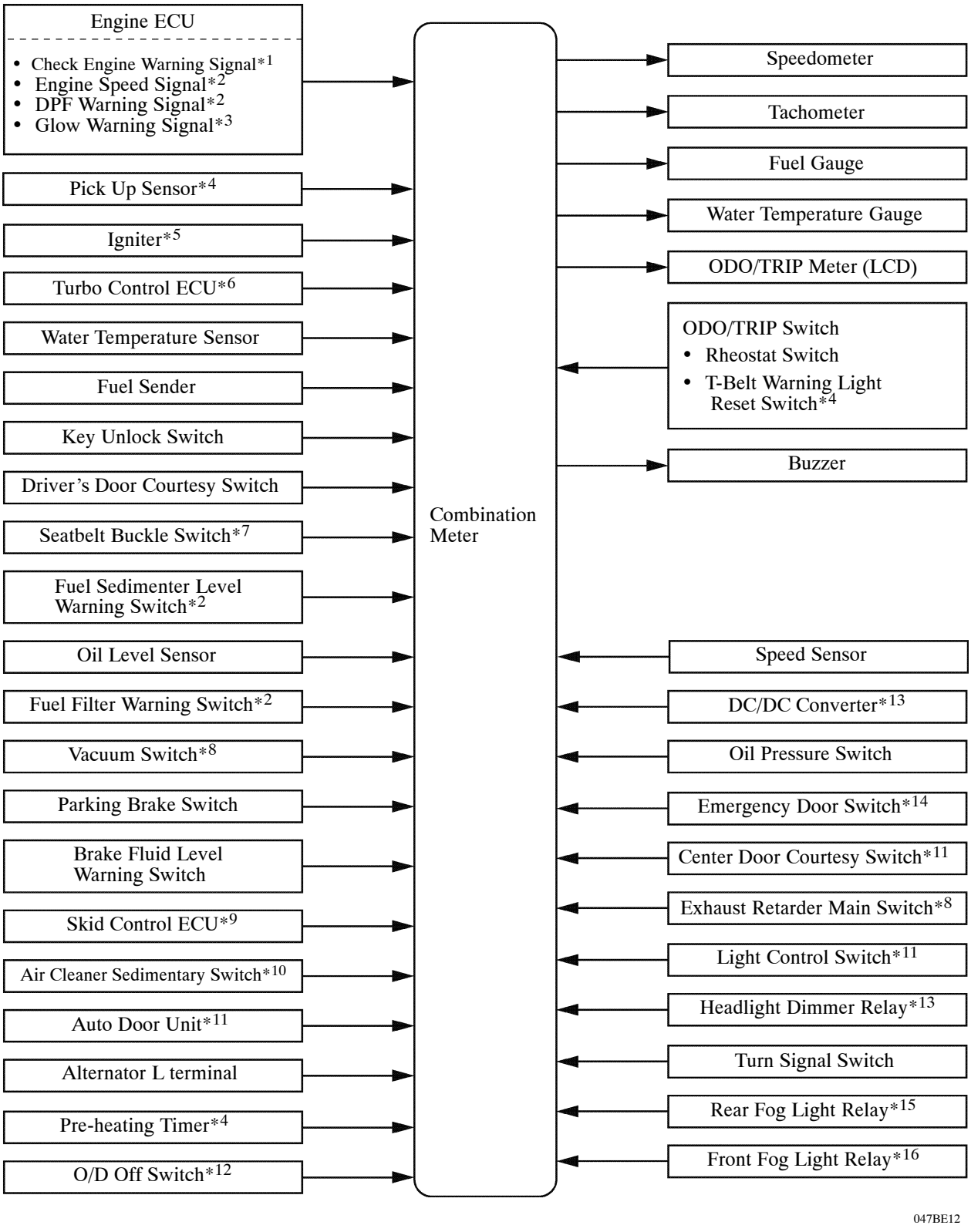
047BE11

*1: 14B, 1HZ engine models
*2: 1HZ engine models
*3: 2TR-FE engine models
*4: 14B, 1HZ, 15B-FT engine models
*5: 1HZ, 15B-FT engine models
*6: 15B-FT engine models

Service Tip

If the LEDs have a malfunction, the entire combination meter assembly must be replaced.
For details, see the COASTER Repair Manual (Pub. No. RM0474E).

2. System Diagram



047BE12

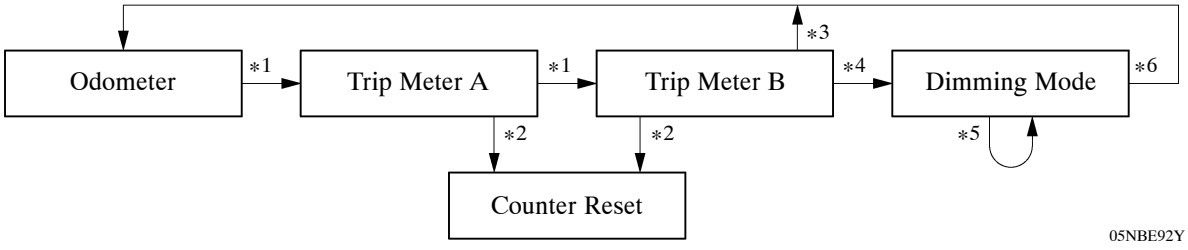
*1: N04C-UH, 1BZ-FPE, 2TR-FE engine models
*2: N04C-UH engine models
*3: N04C-UH, 15B-FT engine models
*4: 1HZ engine models
*5: 1BZ-FPE engine models
*6: 15B-FT engine models
*7: Except for Taiwan, Hong Kong, General Countries models
*8: Diesel engine models
*9: Model with ABS
*10: 14B, 1HZ, 15B-FT engine models
*11: Except for Europe models
*12: A/T vehicles with N04C-UH engine
*13: Europe models
*14: Except for Europe, G.C.C. Countries models
*15: Europe, Taiwan models
*16: Except for Australia, G.C.C. Countries, General Countries models

3. Construction

- The step motor is used to actuate the indicators of the speedometer, the tachometer, the fuel gauge and the water temperature gauge. As a result, the section which actuates the indicators is thinner, and the construction of the combination meter is more lightweight and compact.
- In the step motor type, when the power to the combination meter is turned ON through the reconnection of the battery terminal, the step motor initializes once to recognize the zero point of the indicator in relation to the step motor. However, if the ignition switch is turned ON after 60 seconds or more have elapsed after the initialization, the step motor initializes again.

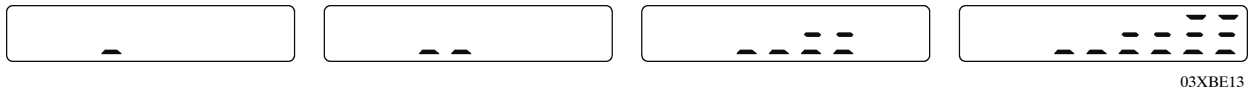
4. ODO/TRIP Meter

- The ODO/TRIP meter is indicated on the LCD. The mode can be switched by pressing the ODO/TRIP switch.
- If the ODO/TRIP switch is pressed for 0.8 seconds or more while the trip meter A or B is displayed, the current mileage display will be reset to 0.0 km (mile). The trip meter will resume measuring the mileage as soon as the ODO/TRIP switch is released.
- While the dimming mode is displayed on the LCD and the taillights are on, the brightness of the meter can be changed by pressing the ODO/TRIP switch for 1.0 second or more. The brightness can be adjusted over 4 levels (Brightness 100%-75%-50%-25%). Disconnecting the battery terminal will cancel the selected dimming mode (brightness level), and the default dimming mode (brightness level) will be selected automatically.



*1: Short press (less than 0.8 seconds)
*2: Long press (0.8 seconds or more)
*3: Short press (less than 0.8 seconds) (only when taillights are off)
*4: Short press (less than 0.8 seconds) (only when taillights are on)
*5: Long press (1.0 second or more) to adjust brightness
*6: Short press (less than 1.0 second) or no operation for 10 seconds

▶ Dimming Mode Indications ◀



1 (25%) 2 (50%) 3 (75%) 4 (100%)

Dark Bright

5. Warning Indicator Light (Except for Europe models)

Name and function	Design	Display color
Center door automatic/manual open/close indicator light • Illuminates when the automatic/manual selector handle is operated manually	 047BE13	Yellow

6. Seat Belt Warning Buzzer (Europe, Australia and G.C.C. Countries models)

- On the Europe and Australia models, the buzzer sounds when the vehicle speed exceeds 20 km/h (12.4 mph) to emphasize the fact that the seat belt is unbuckled. After 30 seconds, this sound changes to emphasize. This sound continues for 90 seconds. Once a buzzer begins to sound, it will continue until the seat belt is buckled or the ignition switch is turned OFF.
- On the G.C.C. countries models, the buzzer sounds when the vehicle speed exceeds 20 km/h (12.4 mph) to emphasize the fact that the seat belt is unbuckled. After approximately 10 seconds, this sound changes to emphasize. This sound continues for approximately 20 seconds. Once a buzzer begins to sound, it will continue until the seat belt is buckled or the ignition switch is turned OFF.