LOW FUEL WARNING LIGHT

Purpose
- The low fuel warning light warns the driver that the remaining fuel level is low.
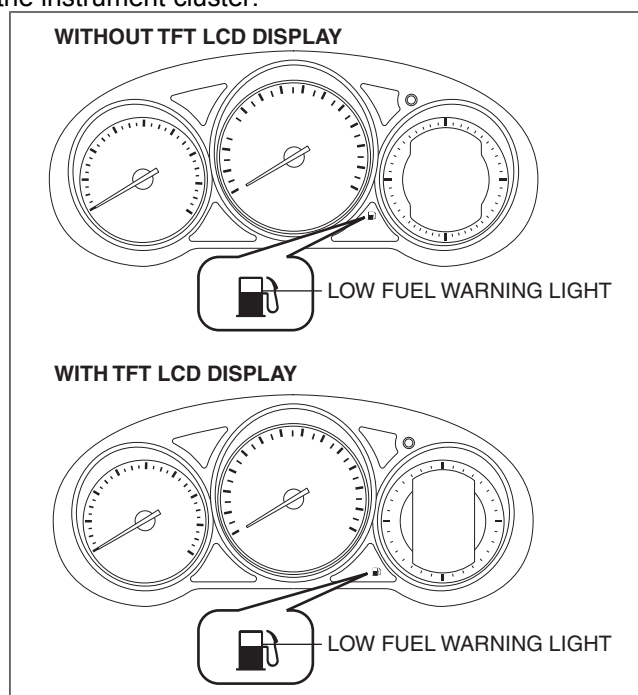
Function
- The instrument cluster calculates the fuel quantity based on the following CAN signals, and if a remaining fuel amount of approx. 9 L {2 US gal, 2 Imp gal} (fuel gauge displays remaining two segments) is detected, the low fuel warning light illuminates.
  — Fuel gauge sender unit voltage signal sent from rear body control module (RBCM)
  — Fuel injection amount signal, vehicle speed signal sent from PCM

  Note
  - The PCM performs the prevention of air flowing into the run dry prevention (RDP) control according to the fuel consumption after illuminating the low fuel warning light. For the prevention of air flowing into the run dry prevention (RDP) control, refer to the RUN DRY PREVENTION (RDP) CONTROL [SKYACTIV-D 2.2]. (SKYACTIV-D 2.2)
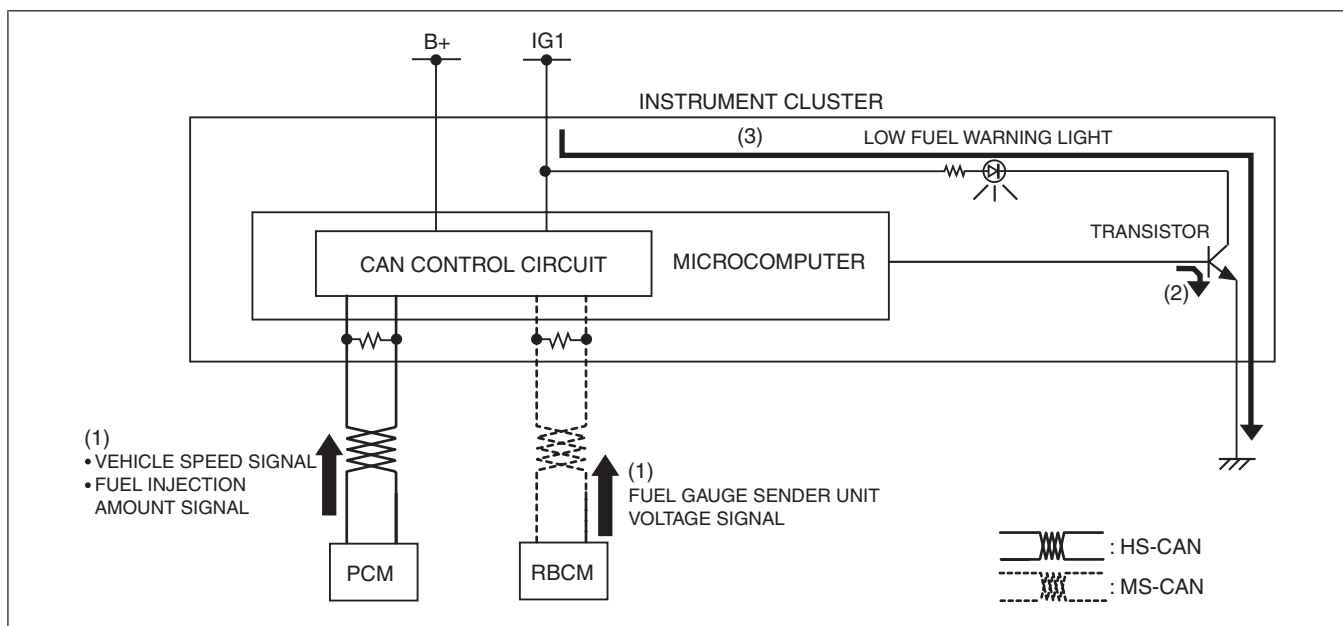
Construction
- The instrument cluster microcomputer controls the low fuel warning light illumination on/off based on the remaining fuel amount calculation that is calculated by the instrument cluster.
- The low fuel warning light is set in the instrument cluster.
- The instrument cluster with the TFT LCD displays a warning message in the TFT LCD display simultaneously when the fuel tank level warning light illuminates. For details on the message, refer to the FUEL TANK LEVEL WARNING DISPLAY.

WITHOUT TFT LCD DISPLAY

LOW FUEL WARNING LIGHT

WITH TFT LCD DISPLAY

LOW FUEL WARNING LIGHT

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Operation
1. When the ignition is switched ON (engine off or on) the instrument cluster receives (1) the fuel gauge sender unit voltage signal from the rear body control module (RBCM), and the fuel injection amount signal from the PCM.
2. The instrument cluster turns the transistor on (2) if the calculated remaining fuel amount based on each signal is approx. 9 L {2 US gal, 2 Imp gal}.
3. When the transistor turns on, a ground circuit with the low fuel warning light is established and the low fuel warning light illuminates (3).

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Fail-safe
• Function not equipped.