

■ COMBINATION METER

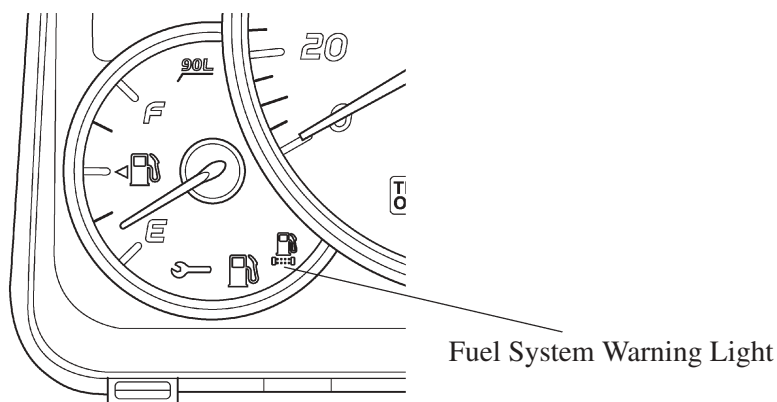
Fuel System Warning Light

General

- A fuel system warning light is provided on the 1KD-FTV engine models for Australia.
- In addition to the conventional fuel sedimenter warning functions, this light illuminates to inform the driver of a failure in case the clogging of the fuel filter is detected from the fuel filter warning switch. At the same time, the multi buzzer sounds.
- The illumination conditions of this light vary depending on the functions indicated below.

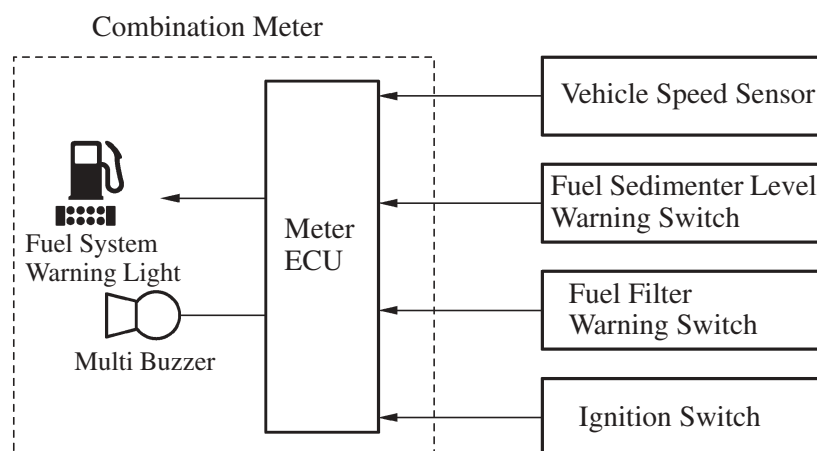
Function	Failure Activation
Fuel Filter Warning	Illumination
Fuel Sedimeter Warning	Blinking

- If a failure is detected simultaneously from the fuel sedimenter level switch and the fuel filter warning switch, the system gives precedence to the fuel sedimenter warning and causes the warning light to blink.
- This system is controlled by meter ECU.



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► System Diagram ◀



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Operation

Fuel Sedimenter Warning

When the amount of water that has accumulated in the sedimenter reaches a predetermined level, the fuel sedimenter level switch, which is located in the bottom of the fuel filter, turns ON. The meter ECU renders this signal as a fuel sedimenter warning and causes the fuel system warning light to blink and multi buzzer will sound.

Fuel Filter Warning

- The fuel filter warning switch is located in the upper area of the fuel filter.
- To prevent false alarms on a cold engine, the meter ECU starts its judgment function with the ignition switch turned ON, after a total of 30 minutes have elapsed with the input of vehicle speed signal information (minimum vehicle speed of 2.5 km/h [1.6 mph]).
- The fuel filter warning switch turns OFF when the vacuum in the fuel filter reaches a predetermined level.
- The meter ECU illuminates the fuel system warning light when the OFF signal from the fuel filter warning switch meets either of the following conditions:
 - OFF signals from the fuel filter warning switch are input continuously for 10 minutes.
 - When the ignition switch is in the ON position, OFF signal (between 1 second and 10 minutes in duration) from the fuel filter warning switch is input twice with a minimum interval of one second.

Service Tip

When the fuel filter warning switch detects a failure, the meter ECU stores this failure in memory, and continues to illuminate* the fuel system warning light. Therefore, after replacing the fuel filter, the illumination information stored in the meter ECU memory must be erased. For details, refer to the LAND CRUISER/LAND CRUISER PRADO Repair Manual Supplement (Pub. No. RM00W1E).

*: The warning light will blink in case of a sedimenter failure.