

WASHER FLUID-LEVEL SENSOR

id091900103300

Purpose

- The washer fluid-level sensor illuminates the low washer fluid level warning light when the washer fluid level is lowered.

Function

- The washer fluid-level sensor detects the decrease in the washer fluid level.

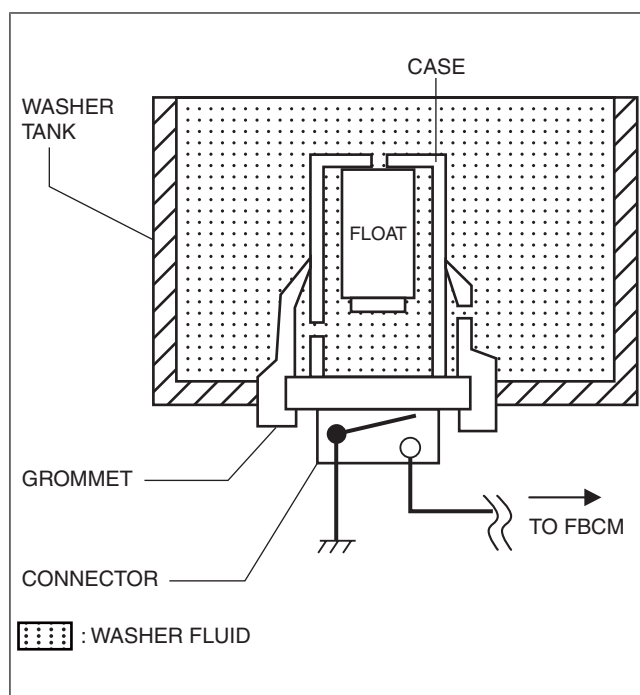
Construction

- The washer fluid-level sensor consists of the following parts:
 - Connector (switch)
 - Float
 - Grommet
 - Case
- The float has an integrated magnet which creates a magnetic field.

Operation

When washer fluid is added

1. Washer fluid enters the case of the washer fluid-level sensor, the float rises, and the connector switch turns off.

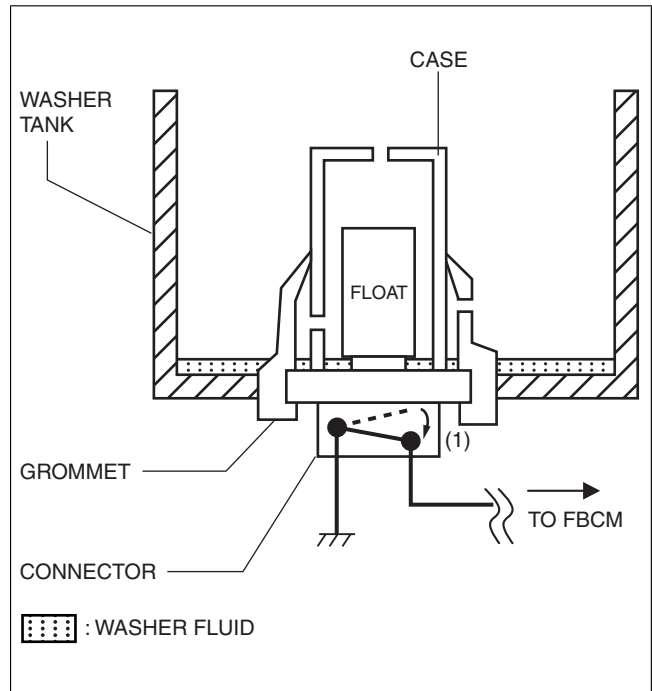


ac5ijn00000521

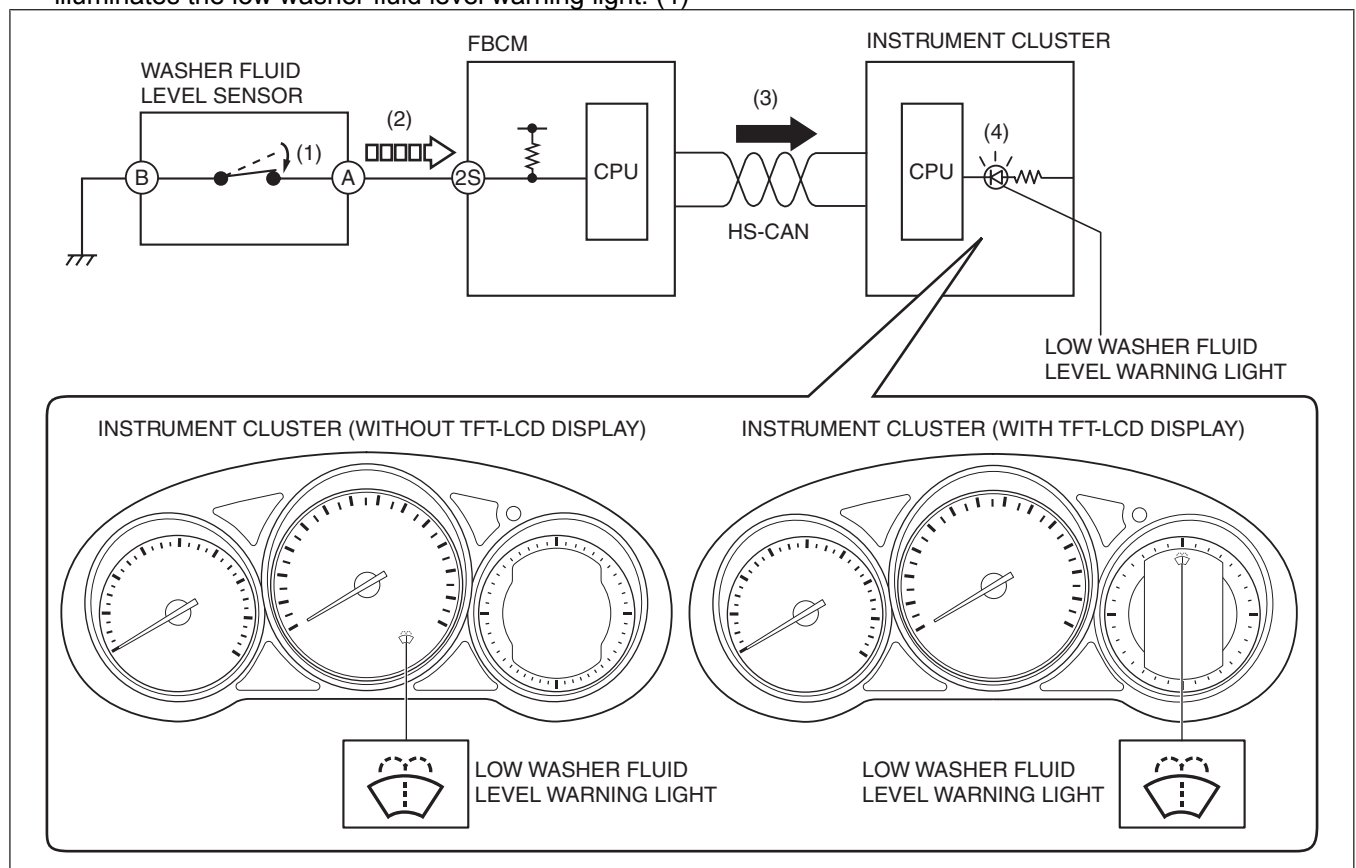
When washer fluid is decreased

1. When washer fluid inside the case of the washer fluid-level sensor decreases, the float comes close to the connector switch.

2. When the float approaches the switch, the magnetic field inside the float acts on the switch and the switch turns on. (1)
3. When the switch is turned on, the front body control module (FBCM) detects that the washer fluid level is lowered (2) and sends a low washer fluid level warning light illumination request signal to the instrument cluster as a CAN signal. (3)



4. When the instrument cluster receives the low washer fluid level warning light illumination request signal, it illuminates the low washer fluid level warning light. (4)



Fail-safe

- Function not equipped.