

LDWS WARNING ALARM

id092200029600

Purpose

- The LDWS warning alarm warns the user of a possible lane departure.

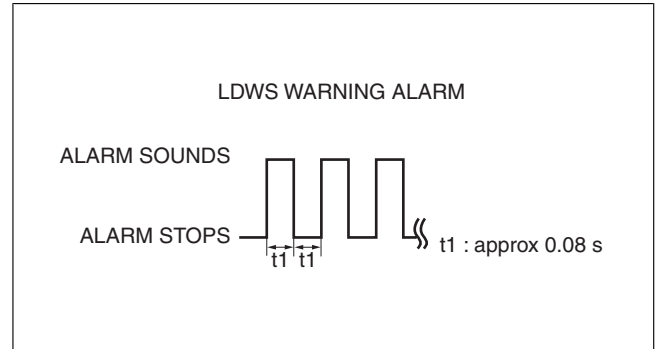
Function

Without audio unit

- If the instrument cluster receives a warning sound request signal from the FSC, it sounds the LDWS warning alarm using the buzzer in the instrument cluster.
- The LDWS warning alarm patterns are as indicated in the following table:

With audio unit

- For the LDWS warning alarm on vehicles with an audio unit, refer to LANE DEPARTURE WARNING SYSTEM (LDWS).



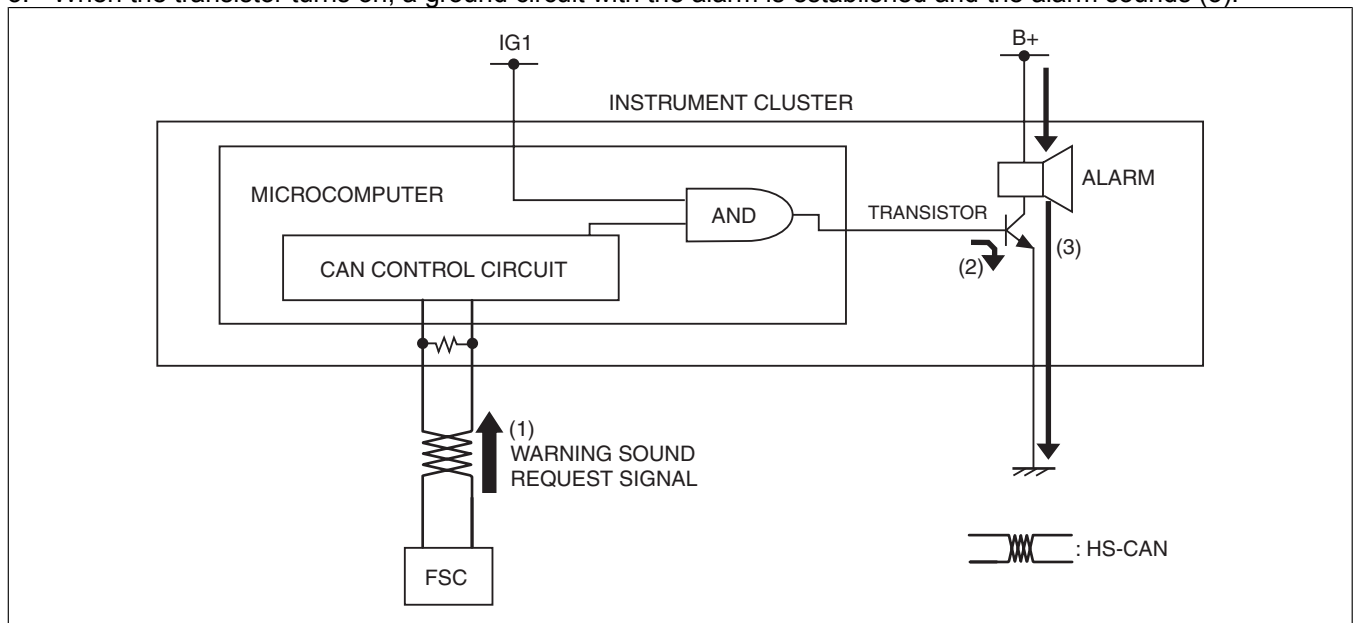
Construction

- The LDWS warning alarm sounds using the buzzer built into the instrument cluster.

Operation

With audio unit

- The instrument cluster receives (1) the warning sound request signal from the FSC.
- The instrument cluster turns the transistor on (2) based on the warning sound request signal.
- When the transistor turns on, a ground circuit with the alarm is established and the alarm sounds (3).



With audio unit

- For operation with vehicles having an audio unit, refer to LANE DEPARTURE WARNING SYSTEM (LDWS).

Fail-safe

- If a CAN transmission error occurs with the audio unit, it determines that the audio unit is malfunctioning. If the instrument cluster receives a warning sound request signal based on the determination that the audio unit is malfunctioning, the LDWS warning alarm is sounded using the buzzer built into the instrument cluster.