# WIPER AND WASHER

## ■ DESCRIPTION

- A wiper system with a rain sensing function is available as standard equipment. Settings vary depending on the engine types and grade. For details, see the equipment list in Model Outline (page MO-42).
- This system has the following functions.

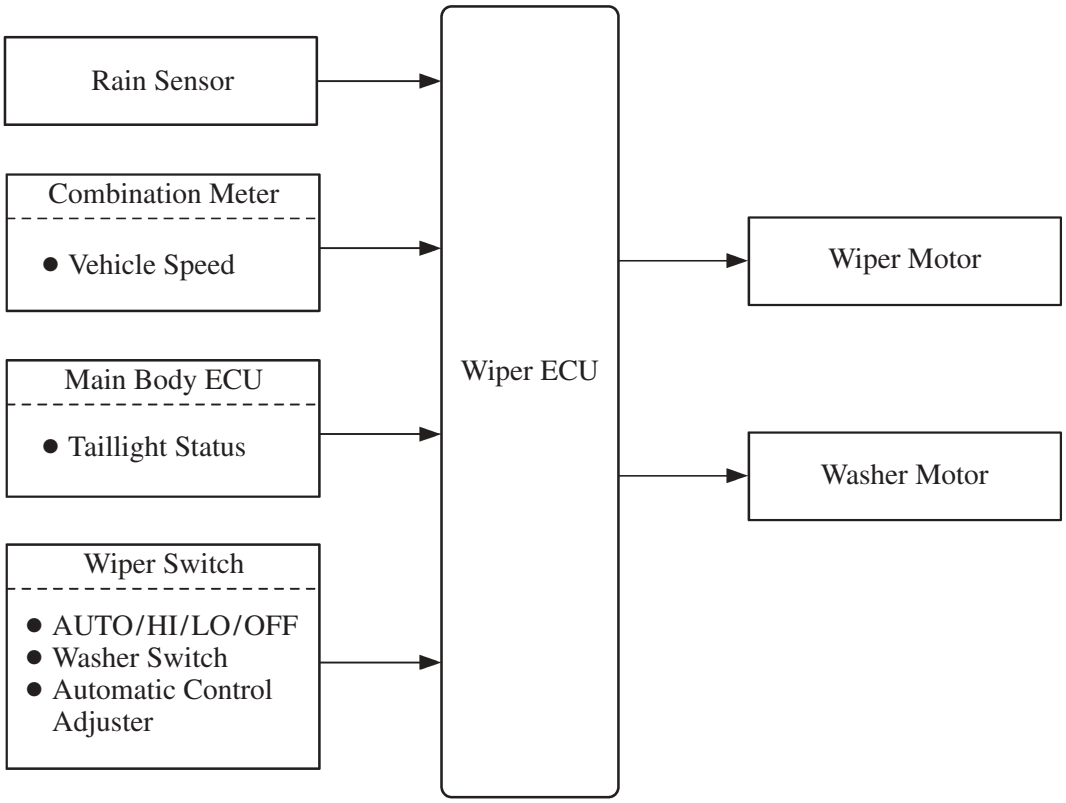
| Function | | Outline |
|---|---|---|
| Wiper | Rain Sensing | Controls the wiping interval and speed in accordance with the amount of rain, vehicle speeds and taillight signals when the wiper switch is in the AUTO position. |
| | Forced Wiping | When any one of the following conditions is met while wiping is controlled by the rain sensing function, the wiper ECU forcibly operates the wipers once.<br>● The wiper switch is turned from OFF to AUTO when the power source*1 is IG-ON.<br>● The vehicle starts off.<br>● The automatic control adjuster is turned to the + direction (to boost the sensitivity). |
| | Fail-safe | When the wiper motor malfunctions, the wiper ECU terminates both the rain sensing function and the wiper operation. |
| | | When the rain sensor malfunctions, the wiper ECU sets the wiper interval depending on the vehicle speed and the automatic adjuster position, as follows:<br>● While stationary: Approx. 4 to 13 sec, in accordance with the automatic control adjuster position.<br>● At low speeds*1: Approx. 3 to 11 sec, in accordance with the automatic control adjuster position.<br>● At normal speeds*2: Approx. 2 to 10 sec, in accordance with the automatic control adjuster position. |
| | Washer-linked Wiper with Drip-prevention | To prevent the fluid from dripping after the washer has been operated, this function operates the wipers once after they have operated in unison with the washer. |
| Washer | Washer Fluid Level Warning | When the volume of washer fluid decreases to below a certain level (when the washer fluid level switch is turned ON), the combination meter warns the driver through the master warning light illumination, the buzzer and the warning message on the multi-information display. |

*1: The power source condition can be changed by operating the engine switch on models with the smart entry and start system, and the ignition switch on models without the smart entry and start system.

*2: Approximately 6 to 23 km/h (4 to 14 mph) during acceleration. Approximately 4 to 16 km/h (2.5 to 10 mph) during deceleration.

*3: Approximately 23 km/h (14 mph) or more during acceleration. Approximately 16 km/h (10 mph) or more during deceleration.

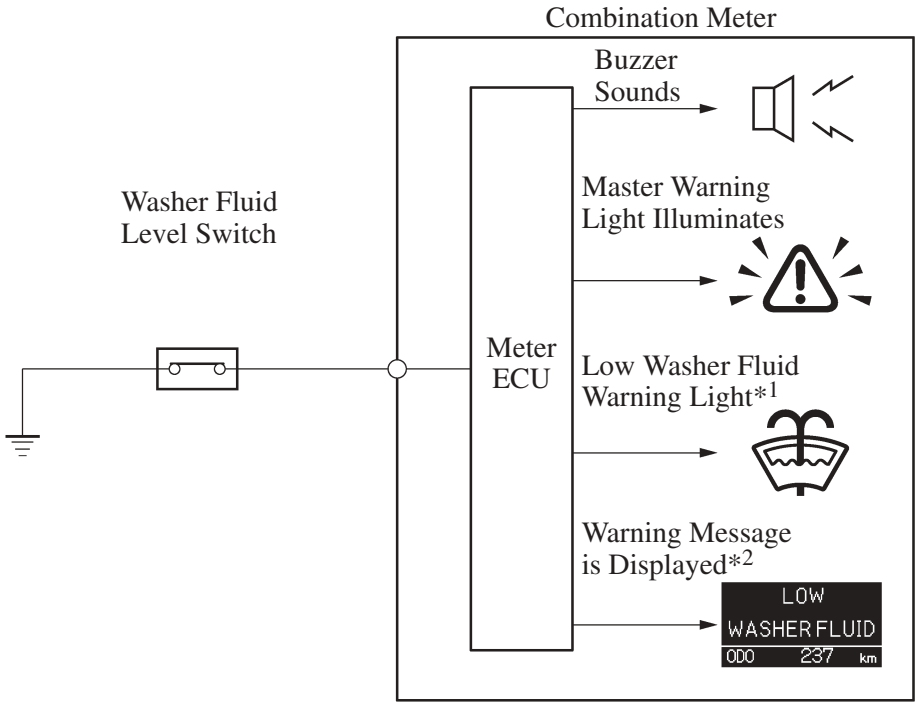
▶ System Diagram ◀




**Wiper and Washer**

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**Washer Fluid Level Warning**

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*1: Models without multi-information display
*2: Models with multi-information display