

## AUTO LEVELING SENSOR

id091800011100

### Purpose

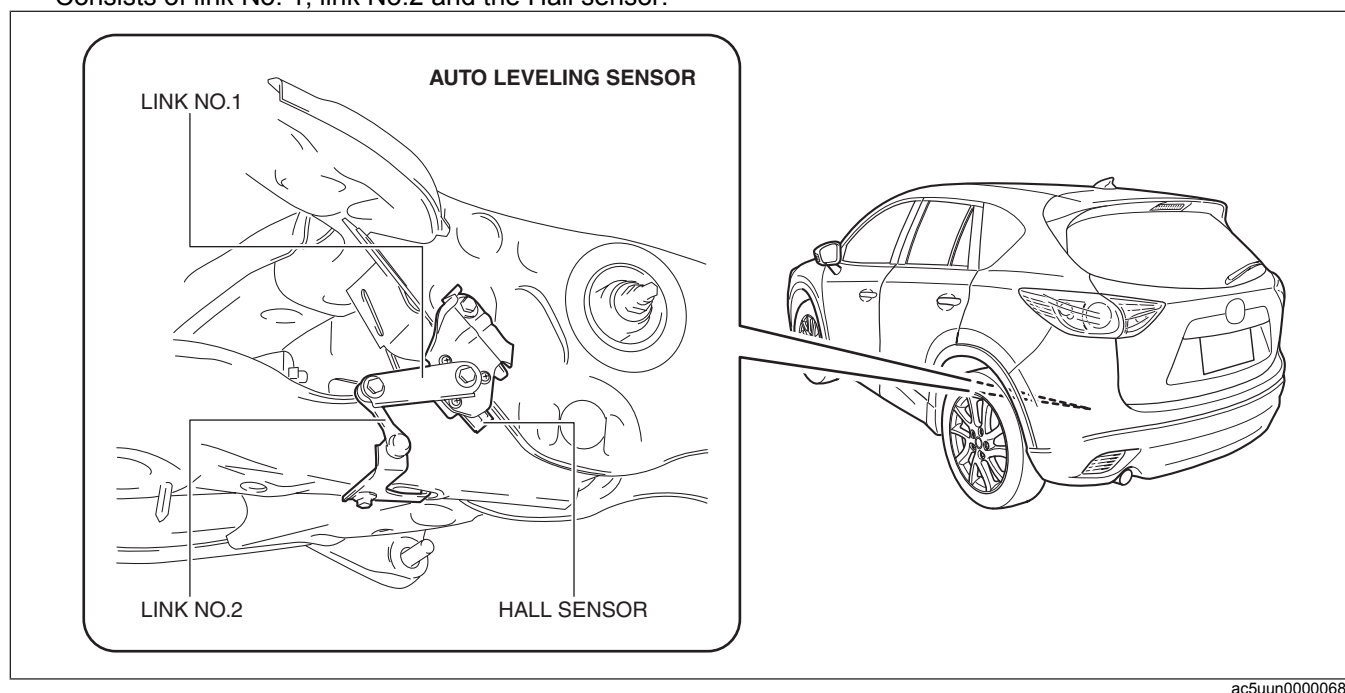
- Detects the vehicle height and outputs it to the AFS control module.

### Function

- Changes the detected vehicle height into a voltage value and outputs it to the AFS control module.

### Construction

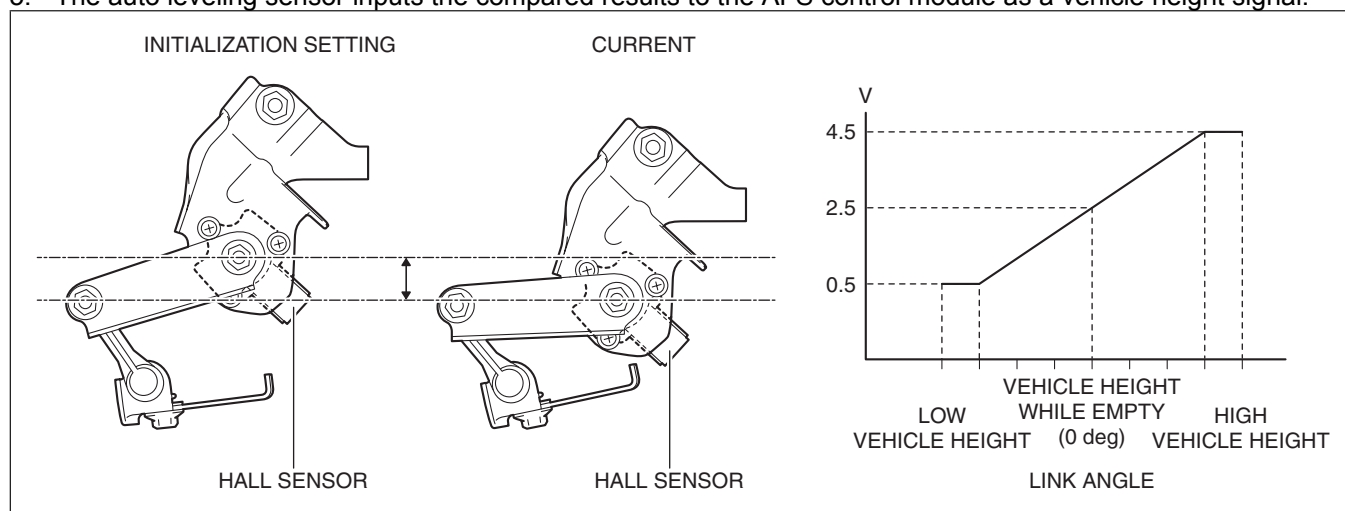
- Installed to the rear cross member.
- Consists of link No. 1, link No.2 and the Hall sensor.



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### Operation

1. If the rear cross member slumps under a load and passengers, the auto leveling sensor link changes.
2. The auto leveling sensor internal resistance fluctuates in conjunction with the movement of the link.
3. The auto leveling sensor detects the vehicle height based on the voltage value input from the change in internal resistance.
4. The auto leveling sensor compares the detected vehicle height (Hall sensor height under empty vehicle conditions) with the vehicle height at the initial setting.
5. The auto leveling sensor inputs the compared results to the AFS control module as a vehicle height signal.



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### Fail-safe

- Function not equipped.