

## STEERING ANGLE SENSOR

id091800112000

### Purpose, Function

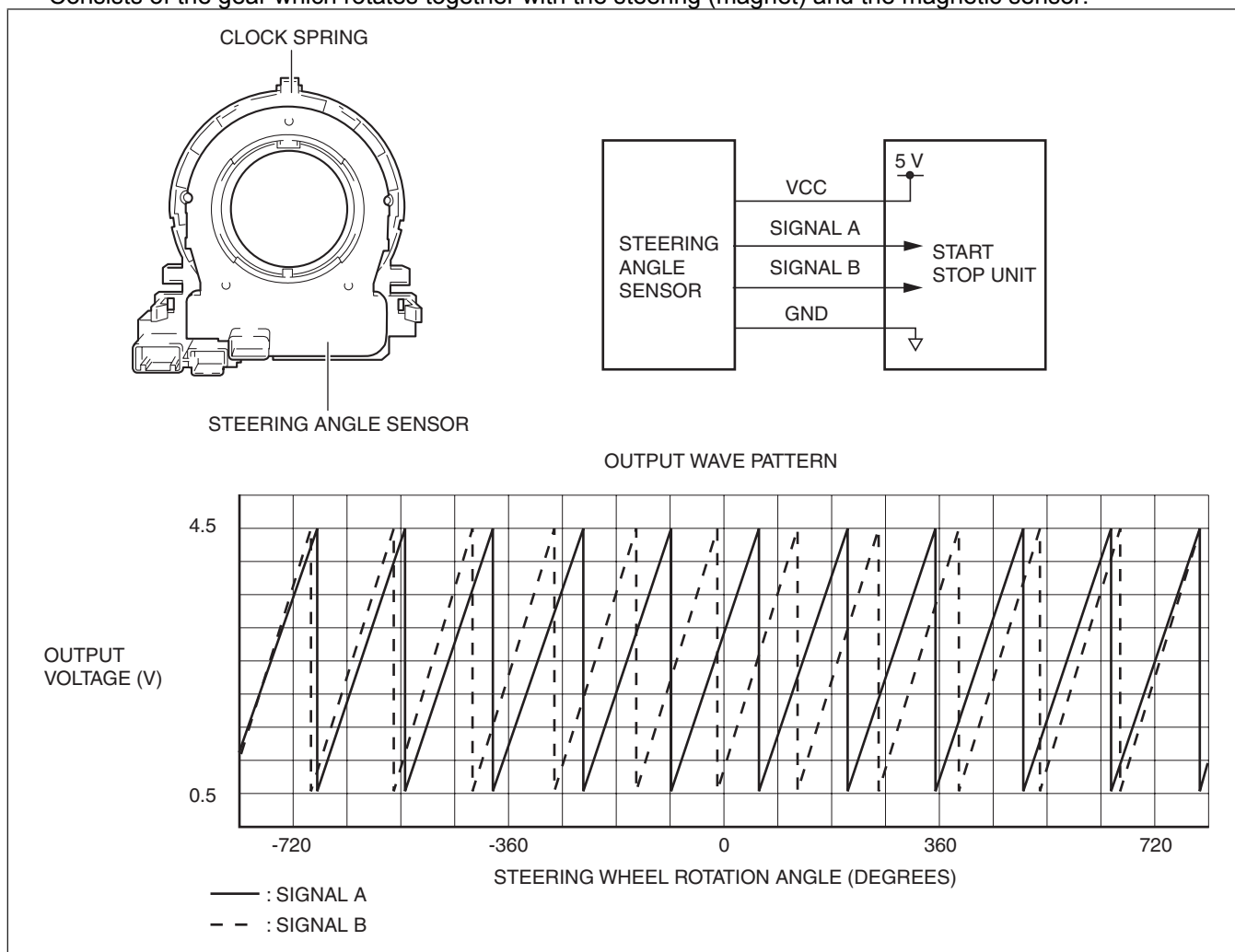
- The steering angle sensor detects the steering angle and sends it to the start stop unit as a steering angle (absolute steering angle) signal.

### Note

- The steering angle sensor is equipped if any of the following systems is equipped.
  - AFS (adaptive front lighting system)
  - Smart city brake support (SCBS)
  - Park assist system

### Construction

- The steering angle sensor is installed to the clock spring.
- Consists of the gear which rotates together with the steering (magnet) and the magnetic sensor.



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### Operation

1. By the rotation of the gear (magnet) corresponding to the steering operation, the magnetic sensor output value changes.
2. The steering angle sensor outputs the magnetic sensor output to the start stop unit.

### Fail-safe

- Function not equipped.