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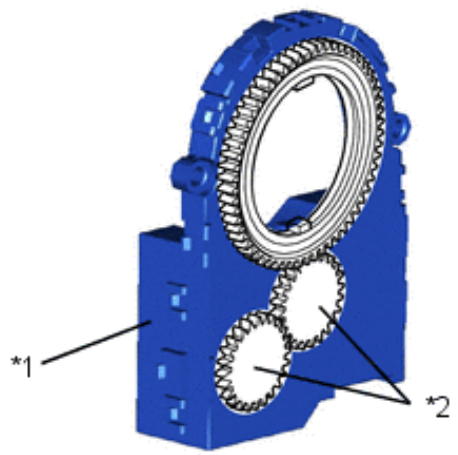
| **Title:** BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS: BRAKE CONTROL SYSTEM: STEERING ANGLE SENSOR; 2013 MY RAV4 [12/2012 - ] | | |

# STEERING ANGLE SENSOR

## 1. CONSTRUCTION

(a) The steering angle sensor detects the steering direction and angle, and sends this signal to the skid control ECU.

(b) The steering angle sensor contains 2 sets of magnetic reluctance elements that detect the rotational movement of a magnet that is built into the detection gear. Thus, the sensor detects the changes that occur in the magnetic reluctance elements along with the rotational movement of the detection gear, in order to detect the rotational movement of the steering wheel.

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|---|---|---|---|
| *1 | Steering Sensor | *2 | Detection Gear |

**NOTICE:**

Do not remove the steering angle sensor from the spiral cable. If there is a malfunction in the steering angle sensor, replace the spiral cable with steering angle sensor.

**HINT:**

When removing and reinstalling the spiral cable with steering angle sensor sub-assembly, it is necessary to use a special procedure to prevent the center position of the steering sensor from becoming misaligned. For details, refer to the Repair Manual.