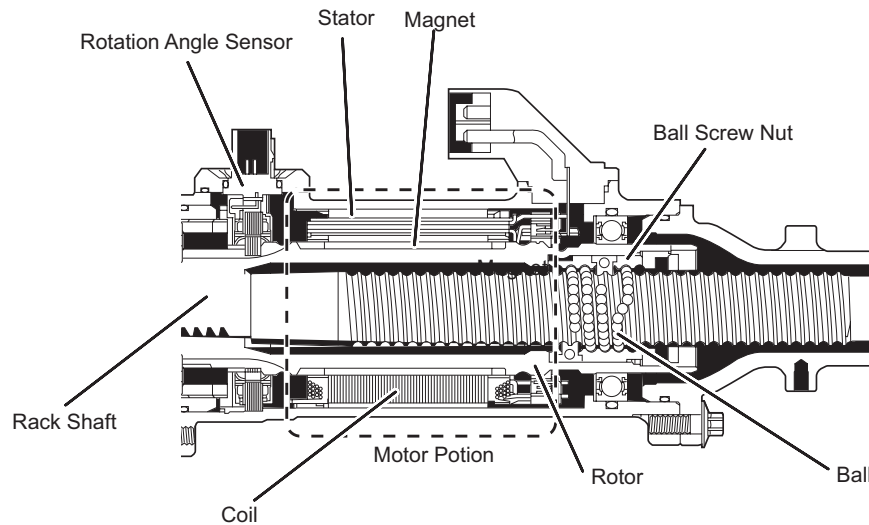


Motor & Reduction Mechanism

- The Motor is a high power output, brushless type motor that is driven by a voltage of 27V~42V.
- The motor, which is mounted coaxially to the rack shaft, consists of a rotation angle sensor, stator, and rotor. A ball screw reduction gear, which consists of a reduction mechanism, is installed on the rotor. The balls Transmit the rotational torque of the motor to the rack shaft in the form of axial force.
- The rotation angle sensor consists of resolver sensors, which excel in to the EPS ECU. As a result, it ensures efficient EPS control.

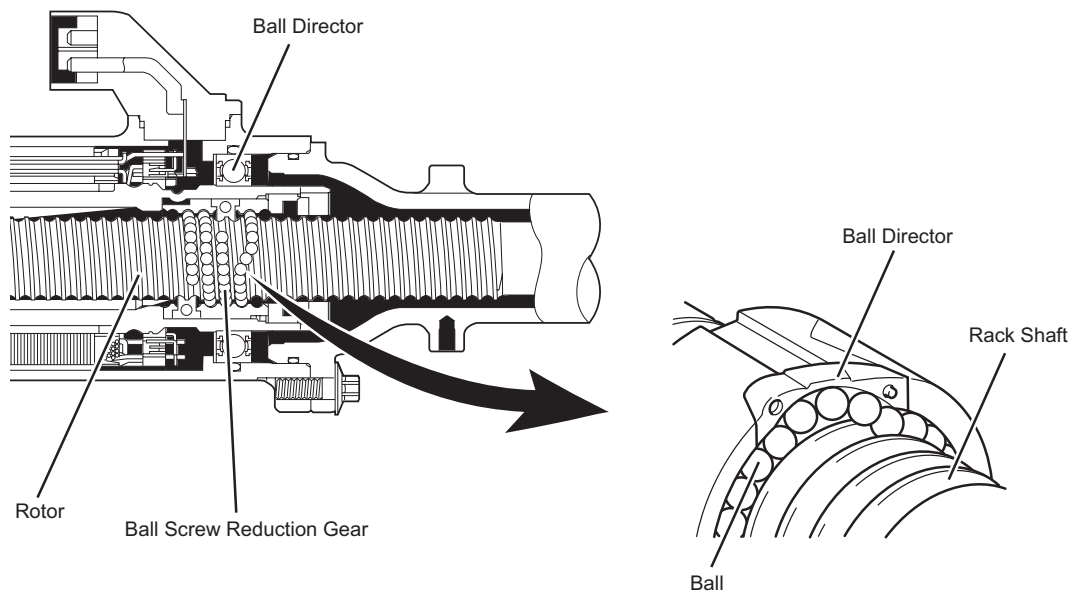


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Structure of Reduction Mechanism

- The reduction mechanism consists of a high-precision rolled ball thread with a smooth surface, which realizes high efficiency and low noise.
- The ball screw reduction gear has four directions, and is fixed to the rotor.
- By the ball deflector, the ball is circulated endlessly the inside of the ball screw reduction gear.
- The motor operates to rotate the rotor. Then, the rotational torque of the motor travels from the ball screw reduction gear via the balls, thus transmitting a direct axial force to the rack shaft.



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