

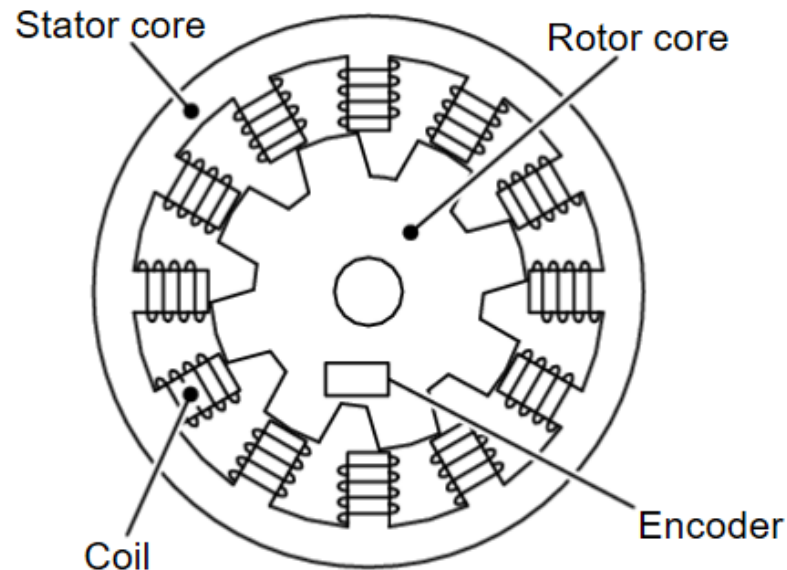


Shift Actuator

FUNCTIONS WITHIN THE SYSTEM

The shift actuator operates according to the output signal from the electric shift control module and changes the shift position of the transaxle.

INDIVIDUAL FUNCTION WITHIN THE SYSTEM



- Motor
 - A 3-phase SR motor is used.
 - Coil is placed on the stator core around the motor and the current that passes through the coil in sequence generates the rotating force for the inner rotor core.
- Encoder
 - The Hall IC type rotation angle sensor is used for higher accuracy in the detection of the rotor rotation angle.
 - It detects the rotor rotation angle and outputs pulse signals to the electric shift control module.
 - The electric shift control module controls the timing of the current feed to the coils optimally based on the signal from the encoder.
- Actuator Reduction Gear

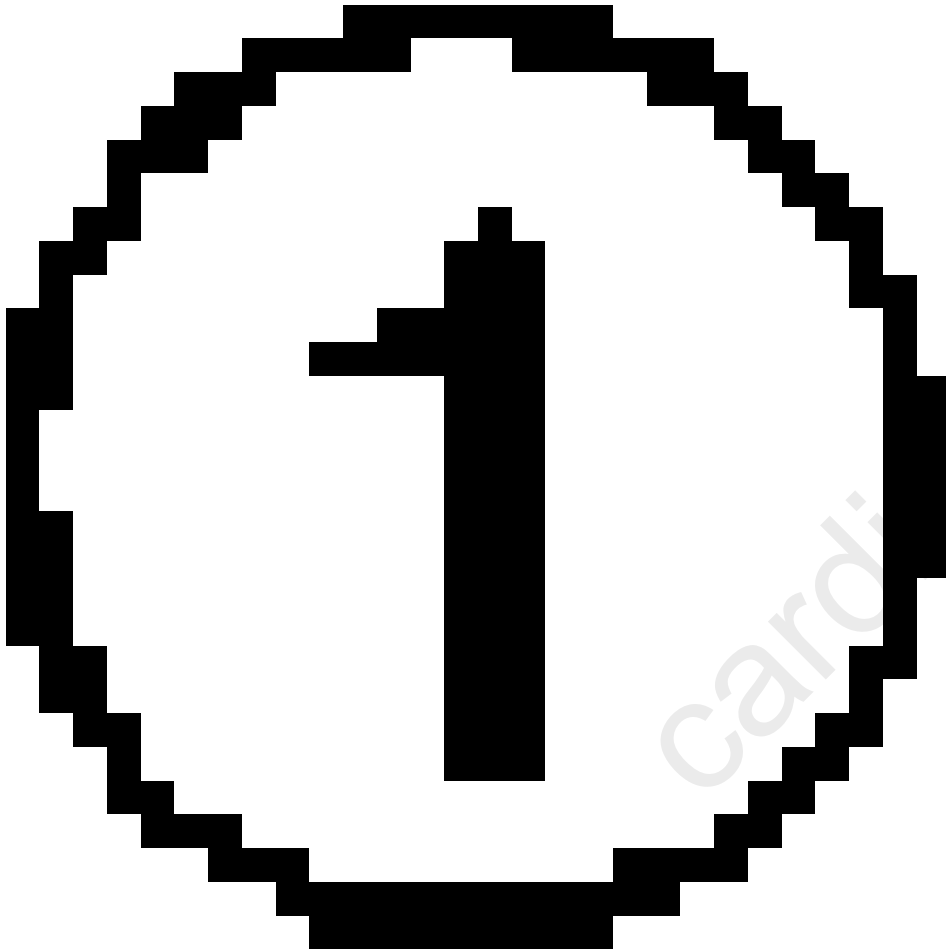
The actuator reduction gear consists of a cycloidal gear and includes a motor with its torque amplified for secure operation under high torque-requiring conditions.

INDIVIDUAL OPERATION

The shift actuator moves the manual shaft of transaxle and changes shift position.

COMPONENT PARTS LOCATION

The shift actuator



is installed above the transaxle.

