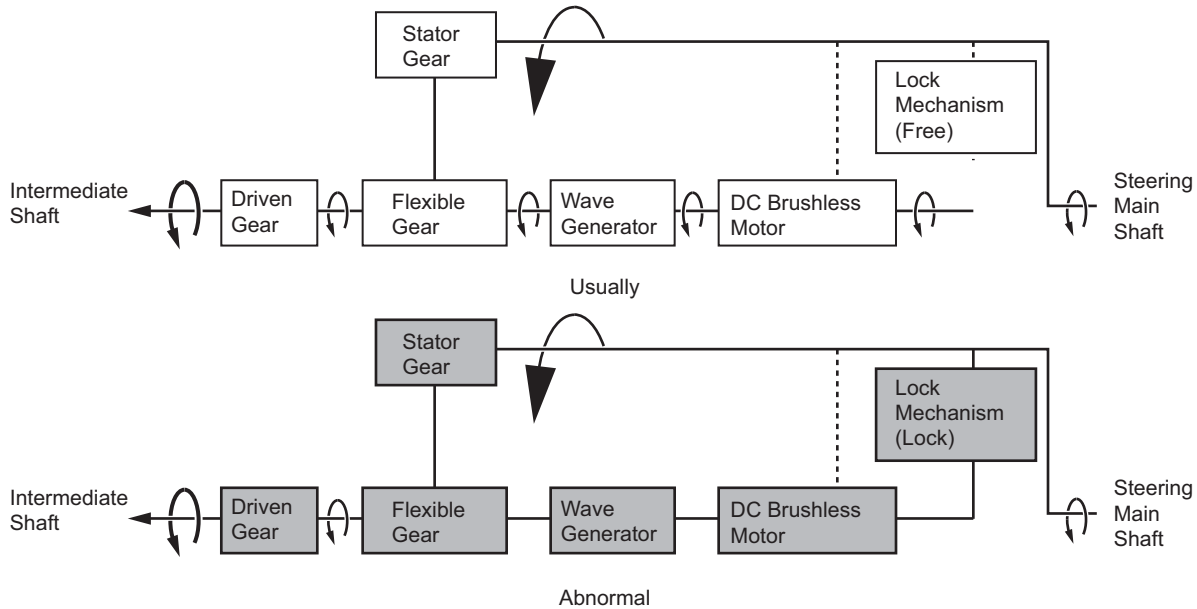


Fail Safe

- In case of a failure in the VGRS system or actuator, the actuator function stops and the lock mechanism renders the internal workings of the actuator in the directly coupled state, thus reverting to the same state as the conventional intermediate shaft. Thus, the proper steering function is ensured.

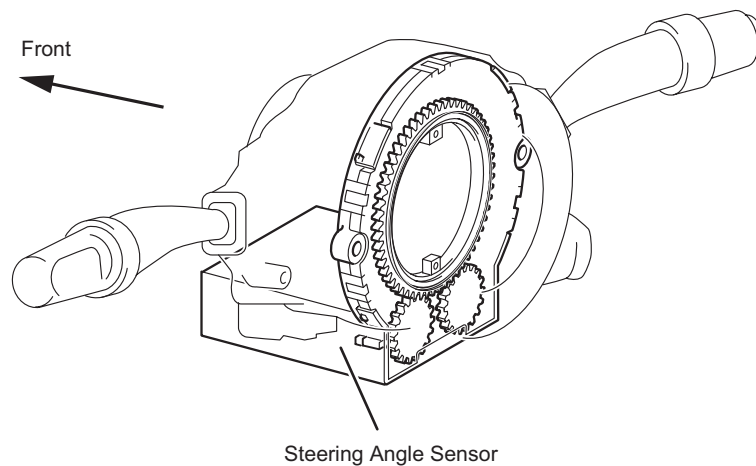


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Steering Angle Sensor

- A steering angle sensor is provided in the combination switch area. This sensor detects the amount of steering effort and the direction of steering and inputs them in the skid control ECU.
- The sensor assembly contains two 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 along with the rotational movement of the detection gear, in order to detect the rotational movement of the steering wheel.



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