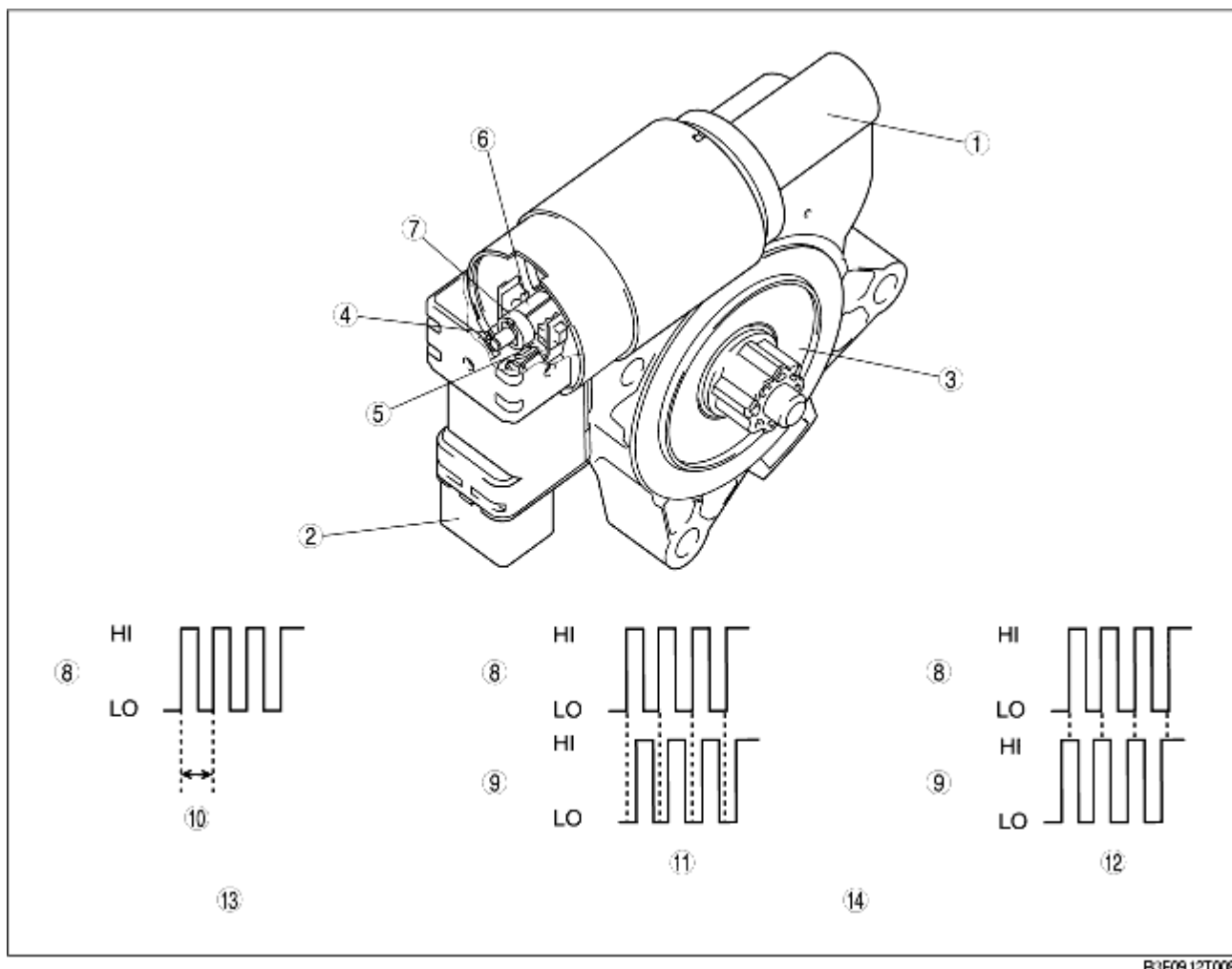


POWER WINDOW MOTOR CONSTRUCTION

B3E091266350T01

- Consists of a motor, connector, and gear.
- Two Hall effect switches are located in the connector.
- The Hall effect switch utilizes magnets set on a rotating axis to detect the motor rotation, and outputs a synchronized pulse to the power window switch.
- Hall effect switch 1 outputs one pulse cycle for each rotation of the power window motor axle and the power window switch detects motor rotation speed from this.
- Hall effect switch 2 detects motor rotation in the same manner as Hall effect switch 1. Due to this, the high and low pulse points of Hall effect switches 1 and 2 are different during opening and closing allowing the power window main switch to detect the rotational direction of the power window motor.



B3E09 12T008

1	Motor
2	Connector
3	Gear

4	Hall effect switch 1
5	Hall effect switch 2
6	Shaft
7	Magnet
8	Pulse (Hall effect switch 1)
9	Pulse (Hall effect switch 2)
10	One revolution of power window motor
11	Up
12	Down
13	Detection of window movement distance
14	Detection of window movement direction