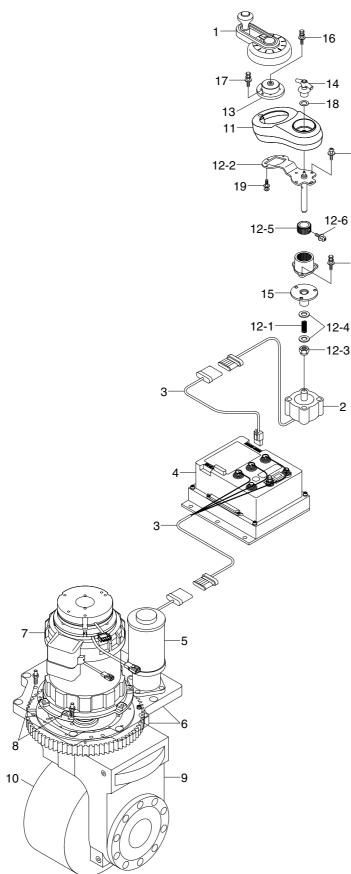
SECTION 5 STEERING SYSTEM

Group 1 Structure and function	· 5-
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SECTION 5 STEERING SYSTEM

GROUP 1 STRUCTURE AND FUNCTION

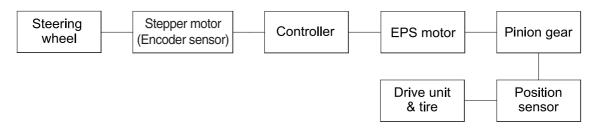
1. STRUCTURE



- 1 Steering wheel
- 2 Stepping motor
- 3 Main harness
- 4 Controller sub assy
- 5 EPS motor
- 6 Pinion & steering gear
- 7 Traction motor
- 8 Position sensor assy
- 9 Drive unit
- 10 Drive tire
- 11 Steering panel assy
- 12 Steering rotate assy
- 12-1 Return spring
- 12-2 Shaft
- 12-3 Self locking nut
- 12-4 Plain washer
- 12-5 Inner rotate shaft
- 12-6 Flat head screw
- 13 Boss sub assy
- 14 Rotate handle
- 15 Shaft support
- 16 Bolt
- 17 Bolt
- 18 Washer
- 19 Bolt
- 20 Bolt

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2. FUNCTION



BRJ7SE13

1) Steering wheel

- (1) It decides the direction of rotation of the truck.
- (2) It transmits the handling of operator.

2) Stepper motor

- (1) It is sensing the operation of steering wheel.
- (2) It is transmits the output signal to controller.

3) Controller

- (1) It decides the torque and the direction of rotation of motor.
- (2) It supplied power to motor.

4) EPS motor

(1) It transmits torque to pinion gear.

5) Pinion gear

(1) It increases torque to drive unit steering gear.

6) Position sensor

- (1) It is sensing angle of steering.
- (2) It transmits resistance to controller.

7) Tire

(1) It is rotated by the transmitted torque.