

## ABSTRACT

According to one embodiment, an electric motor includes a rotor supporter which is movable in an axial direction of a central axis of a rotor shaft with respect to a case, and a support member receiver attached to at least one of the rotor shaft and the rotor core so that the rotor supporter is able to come into contact therewith and be separated therefrom, and able to fix the rotor shaft and the rotor core to the rotor supporter when the rotor supporter is in contact therewith. The case includes a first through hole. The rotor supporter includes a contact receiver with which a bolt is able to come into contact, and the contact receiver is disposed to face the first through hole.

10 A bearing part includes a flange facing the case from the outside of the electric motor and a first screw hole provided in the flange, and is attached to the case so that the first screw hole is aligned with the first through hole.