

# DB / DBE Matrix™ Series Motors

## *Proper Mounting Instructions*

Many of the motor and alternator products offered by Moog are unboxed or frameless

the housing components

- prevent them from moving on their respective housing parts and align them to the recommended mounting dimensions.
4. When available, there may be features on the motor components that allow for some kind of mechanical securing such as bolt holes or keyways.

### **Assembly Precautions**

1. Alnico permanent magnet field assemblies come with a magnetic ring attached to their side. This ring is known as a keeper whose purpose is to provide a closed magnetic path until the armature is installed within the field assembly. If this ring is removed or partially slid off of the field assembly prior to the armature being in place, it will spring and damage the commutator's surface.
3. Many motor models will be shipped with the two motor components nested inside one another which is a convenience for the user during motor mounting. To protect these components from hitting each other during shipping, a Mylar® strip is inserted into the air gap that separates these motor parts. This Mylar strip must be removed once the components have been installed.
4. When requested, frameless motor components will be shipped separately. If this is the case and because of the high magnetic forces developed by rare earth magnet field assemblies, caution must be taken to prevent the field assembly from striking the armature.

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