**DIRECT-CURRENT MOTORS**

**Terminal Markings**
Terminal markings are used to tag terminals to which connections are to be made from outside circuits.

Facing the end opposite the drive (commutator end), the standard direction of shaft rotation is counter clockwise.

A₁ and A₂ indicate armature leads.
S₁ and S₂ indicate series-field leads.
F₁ and F₂ indicate shunt-field leads.

**Shunt-Wound Motors**
To change rotation, reverse either armature leads or shunt leads. **Do not** reverse both armature and shunt leads.

**Series-Wound Motors**
To change rotation, reverse either armature leads or series leads. **Do not** reverse both armature and series leads.

**Compound-Wound Motors**
To change rotation, reverse either armature leads or both the series and shunt leads. **Do not** reverse all three sets of leads.

*Note:* Standard rotation for a dc generator is clockwise.