

NOTE: Install new double shielded bearings in Model A-731 motors. In Model A-732 motors, install new sealed-shielded bearings with the sealed side toward center of motor.

4. On A-731 type, place bearing cover on commutator end of shaft and a new gasket on this cover. Place a new factory-packed bearing on shaft and tap bearing in place. Place lock washer and lock nut on shaft. Tighten lock nut and secure nut with lock washer.

On the A-732 type, insert the bearing into the commutator end frame and place this assembly on the shaft. The

armature should be out far enough to prevent end frame from striking the motor frame. Place lock washer and lock nut on shaft and tighten nut against inner race of bearing. Secure nut with lock washer.

CAUTION: Do not force the outer race of bearing into its housing by blows on the inner race.

5. Apply end frames over ball bearings and line up bearing covers to end frames and bolt with cap-screws.
6. Permanently seal bearing housing by installing an unslotted pipe plug in threaded opening.

MAINTENANCE DATA

TYPE A-731 MOTOR

Brush Pressure

New brush	14.5 oz.
Worn brush	7.5 oz.
Brush wear	5/8" off new brush

Resistance

Shunt field	69-76 ohms each
Series field	.071-.079 ohms each
Armature	1.19-1.31 ohms between opposite bars.
Air gap	.032"-.036"

TYPE A-732 MOTOR

Brush Pressure

New brush	9.5 oz.
Worn brush	4.0 oz.
Brush wear	5/8" off new brush

Resistance

Shunt field	392-436 ohms total
Series field	.31-.344 ohms each
Armature	2.5-2.75 ohms between opposite bars.
Air gap	.027"-.031"

NOTE: All resistance values are given at 25° Centigrade or 77° Fahrenheit.