Introduction:

This procedure documents replacing the armature and brushes for any P56AN family motor.
Recommended tools:

7/16” socket wrench
Small soft hammer
Flathead screwdriver
Phillips screwdriver
Small channel locks
non-metallic spacer (4 x 3.5 x 3.5” in this case)
Flat tipped rod
A. Locate 7/16” socket wrench

B. Locate motor needing armature and brushes replaced

C. Remove both existing bolts with wrench
A. Mark alignment of motor and cap
B. Locate soft hammer and flat screwdriver
C. Remove bottom cap with screwdriver and hammer tapping evenly around motor
D. Fully remove bottom cap from motor assembly
A. Locate wavy washer and set aside

B. Locate Phillips screwdriver

C. Pull back spring and slide out brush head

D. Unscrew screw and remove brush
A. Note the orientation of the new brushes (open side down)
B. Slide both ring terminals over screw
C. Tighten screw down
D. Pull back spring and set brush into non-engaged position
E. Replace other brushes as needed
P56AN Family Brush and Armature Replacement Instructions:

A. Locate channel locks
B. Remove key with channel locks
C. Mark alignment of top cap
D. Loosen top cap with flathead screwdriver and hammer
A. Locate non metallic spacers
B. Place motor bearing on top of spacer
C. Grab motor casing with both hands and push down
D. Fully remove armature
P56AN Family Brush and Armature Replacement Instructions:

A. Insert wavy washer into base

B. Slide new armature over wavy washer

C. Engage all brushes by pulling back brush spring and pushing in the brush and releasing spring
P56AN Family Brush and Armature Replacement Instructions:

A. Align bottom cap and slide motor casing over armature. Be careful as magnets grab armature
B. Tap casing in place
C. Align top cap over shaft onto motor casing
D. Hammer top cap in place
A. Check that shaft turns smoothly

B. Set key in keyway

C. Tap key until it sits fully in keyway
P56AN Family Brush and Armature Replacement Instructions:

A. Thread bolts into motor

B. Tighten bolts with 7/16 " socket

C. Replacement for motor brushes and armature complete