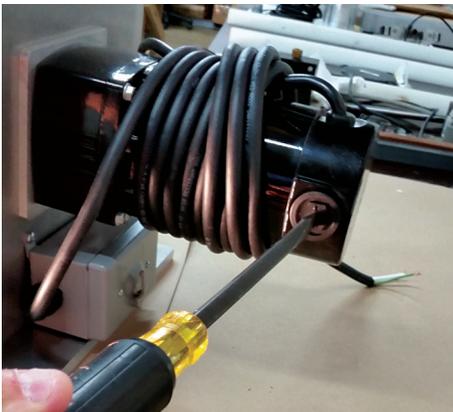


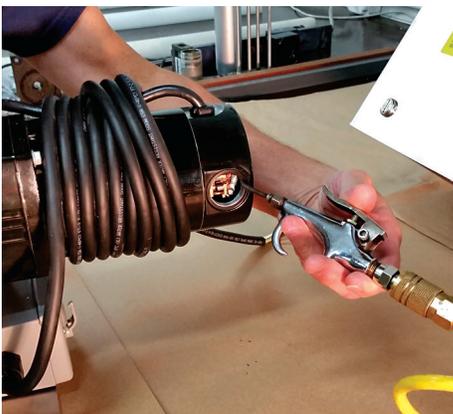
Apollo DC Motor Schedule & Brush Replacement



Remove cover screws with Allen wrench



Remove motor end caps with blade screwdriver



Blow out dust from motor cavity

Recommended maintenance schedule for the Apollo Solar Piston Pump™ includes inspection of the brushes in the Bodine DC motor.

Inspect every six (6) months in standard usage, or sooner in continuous or heavy-duty operation.

Motor brushes should be replaced before length reaches 3/8-inch (.375 inch) or less.

Failure to replace brushes will damage the motor and invalidate the pump warranty.

NOTE: When inspecting brushes, clean dust from enclosure with compressed air.

Tools needed to access the Bodine DC motor inside the Apollo hood are:

- 1/8-inch Allen wrench
- ½-inch flat-blade screwdriver

For instructions on inspecting and replacing brushes, refer to Bodine manual included with pump delivery.

Online: www.bodine-electric.com/Asp/Literature.asp#Maintenance_Instructions

Instructions for Inspecting and Replacing Brushes

in Bodine Type 33A, 42A, and 32A (PMDC) Motors or Gearmotors



BODINE
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QUALITY
MOTION

Part No. 07481063 Rev.B

Brush replacement manual cover

REMOVE APOLLO HOOD

- 1) With 1/8-inch Allen wrench, remove 12 screws; six on each side of hood.
- 2) Lift hood from plate and set aside

OPEN MOTOR ENCLOSURE

- 1) Use ½-inch flathead screwdriver to remove two plastic screws at motor end cap.
NOTE: Using smaller screwdriver may damage plastic screws.
- 2) Clean motor cavity with compressed air/ keyboard duster.
- 3) Refer to Bodine manual for detailed instructions.



Maximize your investment in Blackhawk Pumps

Fact Sheet #17