

MOTOR REPLACEMENT
MODEL VBM-4X106-RP

MOTOR REMOVAL

Inside the bucket, the abrasive belt travels on a crown pulley. This crown pulley hub is pressed over a bushing that is secured to the motor shaft. (Picture A)



Picture A

Remove the three 7/16" bolts securing the bushing to the shaft. (Picture B) To remove the bushing from the motor shaft reinsert one 7/16" bolt into a threaded hole on the crown pulley, upon tightening the bushing will release from the motor shaft. (Picture C) Should the bushing not slide off do not use a hammer. Insert a flathead screw driver into the bushing slot to further release from the motor shaft. (Picture D) It should then slide freely off the shaft.



Picture B



Picture C



Picture D

Once the bushing and crown pulley are removed the motor can be unbolted (4 bolts) for removal. Pay attention to the electrical wiring connection points for re-installing the new motor correctly.

INSTALL THE MOTOR

The motor should be rotated in the same position for electrical wiring connections. Install the 4 bolts from inside the bucket side wall, each bolt threads into the motor face housing. Adjust before tightening to ensure the motor shaft is spinning freely and centered within the shaft thru hole of the bucket.

Reinstall the rubber grommet onto the motor shaft (from inside the bucket) Picture E. Place silicone or glue around the grommet to provide protection against splash water entering the motor.



Picture E

Reconnect the wire leads to match the old motor connection points. These connections are also outlined on the motor plate based on operating on 110 volt or 230 volt units.

RE-INSTALL THE BUSHING AND CROWN PULLEY

Insert the crown pulley over the bushing. Picture F shows bushing as flange down. Align the crown pulleys three non-threaded holes with the bushing threaded holes. Insert three 7/16 bolts and hand tighten onto the bushing. Picture G Slide onto motor shaft, if the bushing will not slide onto the motor shaft, insert a flathead screw driver into the bushing slot. Picture G. Once on the shaft, measure over 5" from the bucket / motor edge to the outer edge of the crown pulley. Picture H Once in the 5" location, tighten the three 7/16 bolts, secure tightly.



Picture F



Picture G



Picture H

