
Impeller Removal

When ordering parts refer to the catalog number or model number and serial number on the motor nameplate.

All A.O.Smith motors have some method of locking the shaft so the impeller can be removed. Do not stick a screwdriver into the vent holes to prevent the cooling fan from turning to lock up the shaft. Some fans are plastic and will break.

Two compartment designs have a flat on the shaft under the governor assembly. It can be accessed by carefully sliding a 7/16" open-end wrench under the protector at 12 O'clock until it drops over the flats on the shaft.

Older Century Centurion models have flats on the rear end of the shaft. Access to the flatted portion of the shaft is achieved by removing a small metal cover on the rear end frame with a screwdriver.

Current Century Centurion models have a plastic cover that can be removed by turning it 1/4 turn counterclockwise with a 15/16" wrench and pulling out. The end of the flatted shaft extends out from the rear of the motor. The shaft can be locked using a 1/2" wrench .

Century Flex 48 motors have a screwdriver slot or a hex hole (that requires a 5/16" hex socket wrench) on the end of the shaft.

