

# OPERATING INSTRUCTIONS FOR REMINGTON MODEL 3EG-EA SERIES MOTOR ASSEMBLY

## INTRODUCTION

The Remington motor is fan cooled and totally enclosed to protect the rotor, electrical field and ball bearings. Efficient cooling of the motor is accomplished by fans. The motor switch is also totally enclosed (the power cord as well as the switch levers are sealed to insure weather tightness). In this way, the Remington motor has complete protection against foreign particles in the air and will therefore, give longer life.

## SPECIFICATIONS

Motor Speed	3450
Bearings	Shielded Ball
Voltage, 60 Cycle, 1 Phase	115/230
Switch	Manual Toggle Type Double Pole
Model No.	3EG-EA
Horsepower	1 1/2 H.P.
Ampere Rating	16 @ 115V 8 @ 230V
Motor Shaft Thread	.375-24 Int-thd.
Motor Housing Thread	1.00-20 Ext-thd.

## STANDARD SHAFTS AND HOUSINGS

Shaft Size and Number - 32952A - 7/16" x 7 Ft.  
Housing Size and Number - 57143A - 7 Ft.

## TO GET EFFICIENT AND RELIABLE SERVICE FROM THE UNIT, OBSERVE THE FOLLOWING INSTRUCTIONS:

### GROUNDING

All motors have a green grounding lead that should be connected to ground in accordance with the National Electric Code. This is for protection against electric shock. The green grounding conductor is connected to the frame of the motor.

If extra length extension cords are necessary, the following sizes are recommended:

Sizes listed are minimum required under ideal conditions:

Gauge	Wire Size	
	AWG or B&S	
Voltage	50 Ft.	100ft.
115	16	12
230	18	14

Wire sizes too small for the cord length cause a drop in voltage at the motor terminals and failure to observe this extension cord data will result in overheating, loss of speed and power, and in a short time, damage the motor.

**Caution:** If line voltage is low, use at least next larger wire size.

## CHANGE OVER SWITCH

The motor is equipped with a voltage change over switch. This permits the selection of the correct wiring to correspond with the power supply. To change the wiring arrangement remove the cotter pin and throw the switch to the correct line voltage marked on the plate. After the switch is thrown, replace the cotter pin. **BE SURE TO ALWAYS KEEP THE COTTER PIN IN PLACE.**

## LUBRICATION OF FLEXIBLE SHAFT AND HOUSING

The flexible shaft and housing must be lubricated before attaching them to the motor. The following procedure for lubrication is recommended:

1. In a location free of dirt and grit, lay the housing on a clean bench or table.
2. Take some Remington No. 18347, No. 1 Lithium grease, in the palm of one hand and with the other hand guide flexible shaft through the hand containing lubricant into the flexible housing. This method will result in a thin uniform film covering the entire shaft. Over-lubrication will cause over-heating and possible damage to the shaft and housing. Lubricating a new shaft and housing requires a more generous portions of grease than when re-lubricating, because the shaft and housing absorb a certain amount of grease. After the first two hours of operation shafting should be inspected to determine whether the shafting requires additional lubrication.
3. The flexible shaft should be re-lubricated after each 50 hours of use.

**MOTOR BEARINGS ARE LUBRICATED AT THE  
FACTORY AND REQUIRE NO FURTHER  
ATTENTION.**

## INSTALLING FLEXIBLE SHAFT AND HOUSING TO MOTOR

Pull the threaded end of the flexible shaft out of the housing about 12 inches. Screw the flexible shaft into the motor shaft. Screw the flexible housing onto the motor cover.

**CAUTION:** The housing should be tightened with a wrench and always kept tight on the motor cover to prevent wearing of the threads on both parts.

## OPERATION

In using the flexible shaft, keep it as straight as possible. Sharp bends will cause excessive wear on the inside of the housing and shorten the useful life of both the shaft and housing.

## ORDERING PARTS

When ordering parts, specify the model, part number, and name. If necessary tag the old part and send with order. Direct all inquiries for motor parts or switch box, to: