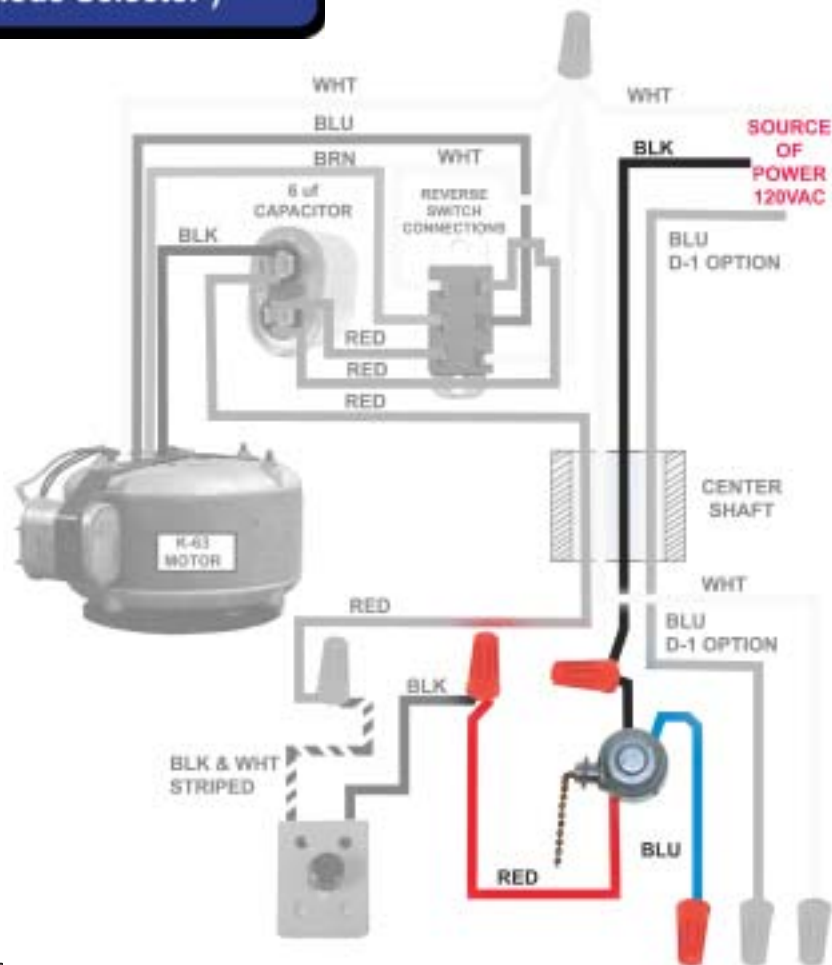


1

PULL CHAIN SWITCH (Mode Selector)



Description

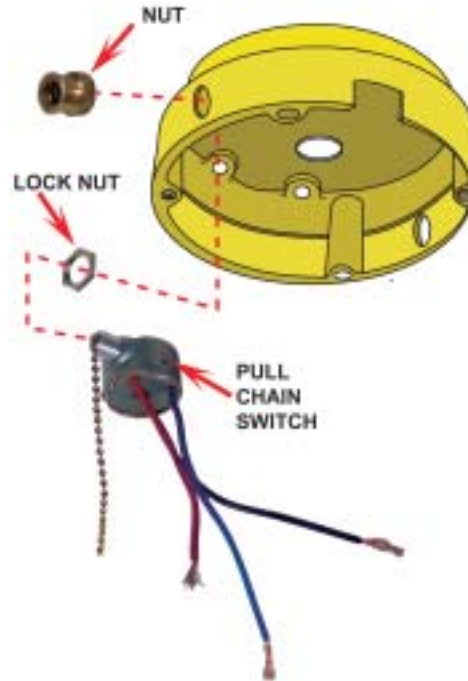
The pull chain housing and controls the mode of operation for both the fan and light. The pull chain switch turns the fan ON and OFF as follows: one pull, fan OFF; two pulls, fan ON; three pulls, fan OFF; four pulls, fan ON. When the pull chain switch is used in conjunction with an optional light kit, it also turns the light(s) ON and OFF as follows:

- ONE** pull, both the fan and light **OFF**;
- TWO** pulls, only the fan **ON**;
- THREE** pulls, only the light **ON**;
- FOUR** pulls, both the fan and light **ON**.

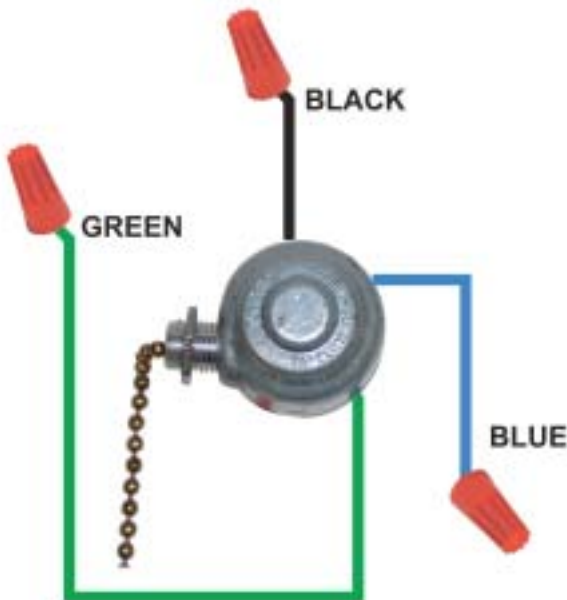
Note If the D-1 option wire is to be used with a separately mounted remote wall control the blue wire from the pull chain (mode selector) switch is left capped.

Replacement

To remove a faulty pull-chain (mode-selector) switch, trace the green, black and blue wires from the pull-chain switch to their wire nuts. Once the wire nuts are removed and the wires are disconnected, unscrew the knurled nut on the outside of the switch housing. Push the pull-chain switch from outside the switch housing through the switch housing hole. Pull the pull-chain switch out of the housing. When replacing the pull-chain switch, slide the new switch and chain through the switch housing hole, making sure the lockwasher is between the switch and the inside of the housing. Then, securely tighten the nut to hold the switch in place. (Do not use pliers to tighten the nut.) Insert the wires in the wire nuts and twist the nuts. Check the operation of the mode selector pull-chain.



PULL CHAIN (MODE SELECTOR) SWITCH ASSEMBLY ELECTRONIC TESTING



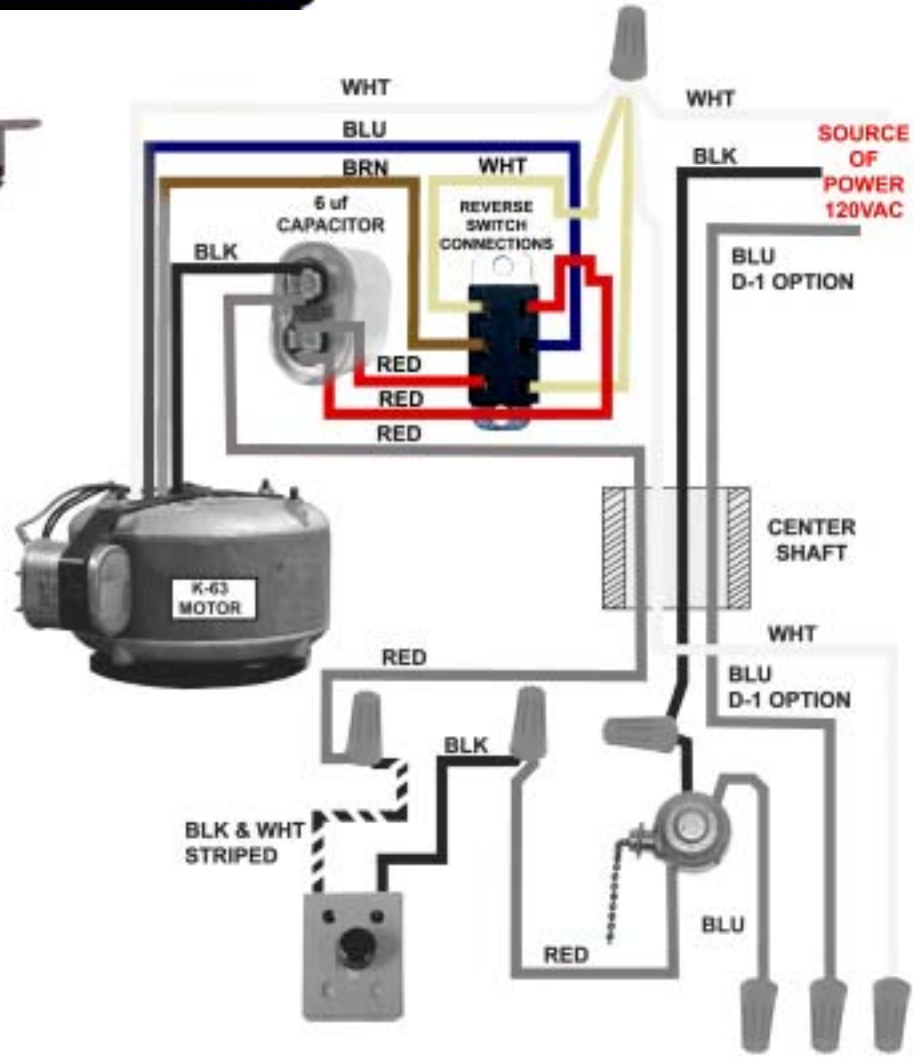
**Pull Chain Switch Assembly
(Mode Selector)
P/N # 0001060**



The mode selector pull chain switch is mounted in the switch housing. The pull positions of the switch are:

PULL #	FAN	LIGHTS
#1	off	off
#2	on	off
#3	off	on
#4	on	on

**2 REVERSE SWITCH ASSEMBLY
(W / WIRE HARNESS)**



Description

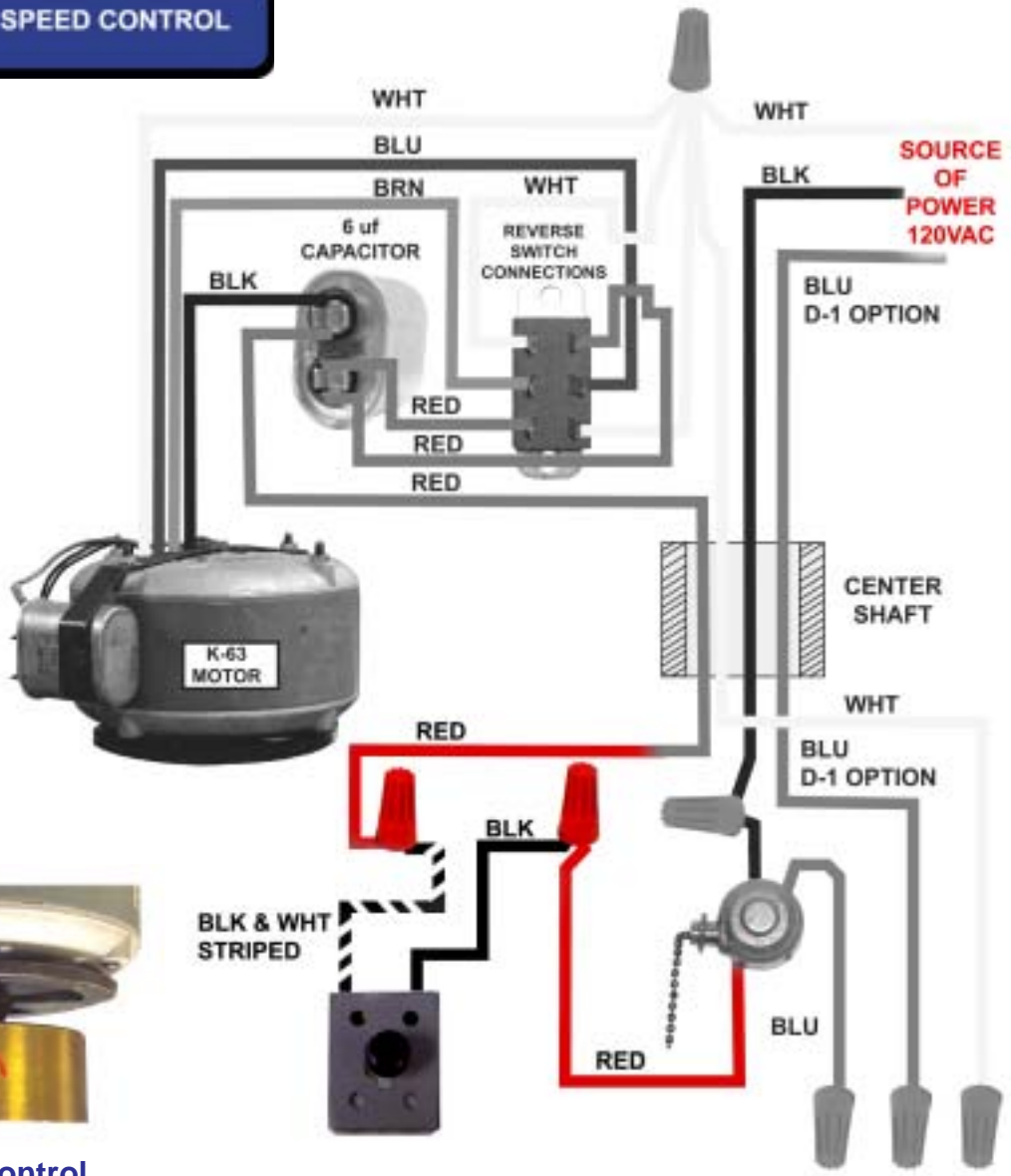
The reverse switch is a single pole double throw and is mounted on the bottom plate of the motor housing of the K-63 in one of the air flow openings. When the switch is in the extreme left position (as you face the switch housing), the blades are pushing the air downwards i.e. cooling. With the switch set to the right the air moves upwards i.e. winter circulation.

Note

The reverse switch is riveted to the bottom plate of the fan.



4 TRIAC SPEED CONTROL



Triac Speed Control

The triac variable speed control - featured on all K-63 models - regulates the speed of the fan blades from very low to fast. The control does this by changing the voltage supplied to the motor. By reducing the voltage to the motor, the fan motor operates at reduced power output and, therefore at a lower speed i.e. with the control fully counterclockwise. As the control is moved in a clockwise direction, the fan speed increases until you reach the full clockwise position, which is top speed.

Note

There is an adjustment in the triac speed control that allows the setting of the lowest fan speed when the control is in the full anti-clockwise position.

REPLACEMENT:

To remove a faulty variable speed triac, trace the black and white wires back to their wire nuts and disconnect them. Next, pull the knob off the triac and push its shaft from the outside of the switch housing, through the hole of the switch housing. Then, pull the triac out of the housing from the inside. When replacing the old triac with the new one, slide the new triac into the switch housing, pushing the shaft through the switch housing hole. Be sure the leads are down inside the housing. Reconnect the black and white wires as originally connected and secure with wire nuts. Then, slide the knob back on the triac shaft, aligning the flat portion inside the knob with the flat portion on the shaft.

SPEED ADJUSTMENT:

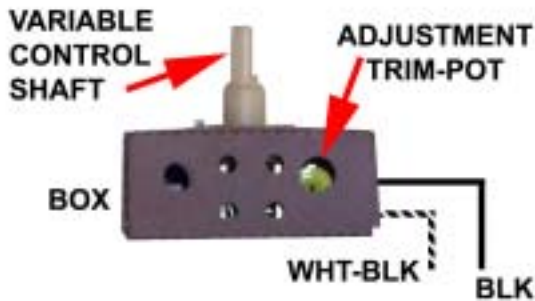
Adjusting the Triac Speed Control. If the K-63 fan runs too fast at the low speed setting, the low-end set point on the top of the triac speed control may be misadjusted. To adjust, set the triac speed control knob to the lowest speed position (completely counter-clockwise). Then, with a small, insulated screwdriver, turn the slow speed adjustment clockwise until the fan blades stop. Now slowly turn the adjustment clockwise until the desired slow speed is attained. Note: A minimum fan speed of approximately 30 revolutions per minute (rpm) is ideal for most installations. Lower speeds may lead to occasional motor stalling and should be avoided.

CAUTION:

Ensure power is turned OFF at the circuit breaker or Fuse panel before working on Fan

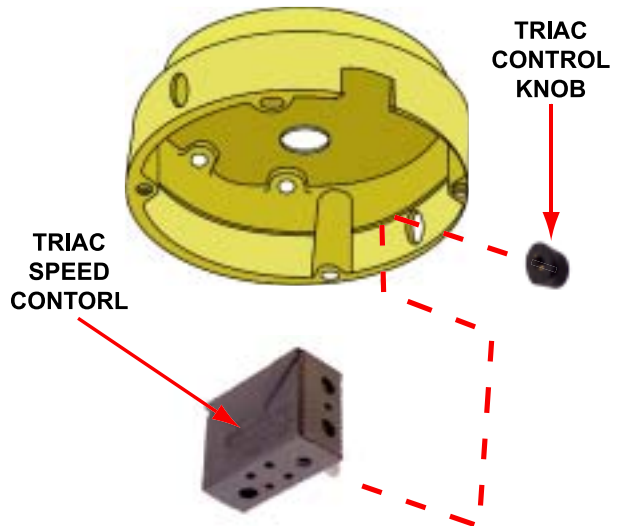


TRIAC SPEED CONTROL ASSEMBLY ELECTRONIC TESTING



Testing

Set multi-meter to high ohms. Connect meter probes to the triac black and white wires. Turn speed control knob from min to max meter should always indicate 2000 ohms plus. Replace if low ohms measured.





NYLON BUSHING

IMPORTANT MOTOR INFORMATION

Motor Noise:

Casablanca's Non-Slumber fan is not very quiet compared to fans today. But back in the sixties the Non-Slumber fan was the quietest fan in the industry. If you are about to change the motor because of bearing noise, you might first want to check the nylon bushing shown below. When this bushing is worn out, it will sound like the motor has bad bearings.

