



TRUSTY PRODUCTS, INC.

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D.C. 12V CEILING FAN

INSTALLATION INSTRUCTIONS

V002-RC

QUESTIONS OR CONCERNS CONTACT TRUSTY PRODUCTS, INC.

Date of Purchase: _____

Place of Purchase: _____

Model Number on Carton: _____

**PRODUCT MANUFACTURED IN TAIWAN
BY KHAN'S ENTERPRISE CO., LTD.**

SAFTY PRECAUTIONS

1. Turn off power at main electrical box before starting installation.
2. Make sure the installation site you choose allows the fan blades to rotate freely without any obstructions.
3. Electrical connections must comply with local code ordinances or national electrical codes.
4. When mounting the fan on a ceiling outlet box, use a metal octagon box that is able to withstand the moving weight of the fan.

CAUTION

1. To reduce risks of injury to persons, please mount the fan as **NOT** to interfere with movement to people.
2. **DO NOT** bend blade brackets during installation. Balancing blades or cleaning fan. **DO NOT** insert foreign objects in between rotating fan blades.
3. Mount all three screws into a wood stud for fan support.
4. **DO NOT** operate reversing switch while blades are in motion. Fan must be turned off and rotating blades stopped.

TOOL and MATERIAL REQUIRED

- Screw Driver
- Step Ladder
- Wire Cutter
- Wiring supplies as required by electrical code

FAN INSTALLATION

Complete remote and motor installation first if optional remote control comes with ceiling fan. Follow steps below then.

A. Motor

- Secure Motor by fastening three 1" wood screws into wooden stud with 6 rubber washers at both sides of the mounting brackets. 3 out the 6 rubber washers with adhesive paste to be stick on the top. The other 3 plain rubber washers to be placed at the bottom. See Figure 1
- Install safety cable with a J-hook (as you wish to install).

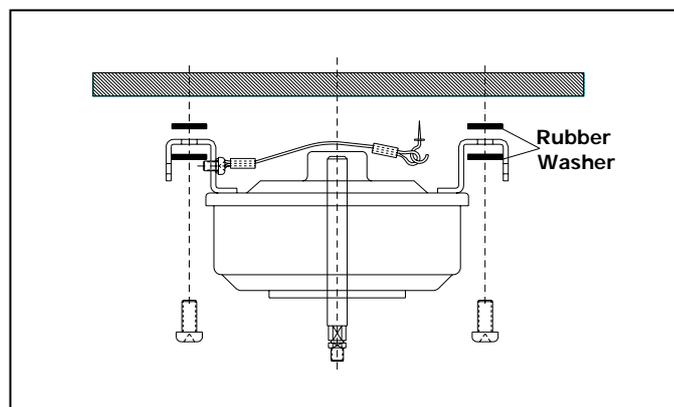


Figure 1

B. Electrical Hook Up

“CAUTION: CONNECT TO ONLY DC 12V POWER SUPPLY.”

- Connect BLACK motor wire to BLACK wire from A position of reversible switch. See Figure 2
- Connect WHITE motor wire to WHITE wire from reversible switch.
- Connect BLACK wire from rocker switch to BLACK wire at B position of reversible switch.
- Connect WHITE wire from reversible switch to battery.

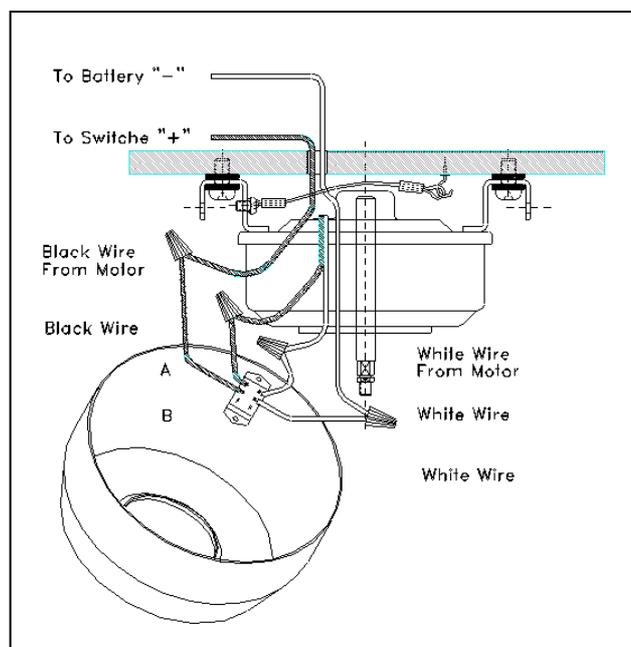


Figure2

C. Motor Housing Installation

- Position the motor housing to the motor aligning screw holes. See Figure 3
- Tighten the three screws to secure the motor housing.
- “Be careful not to damage or cut fan wires.”

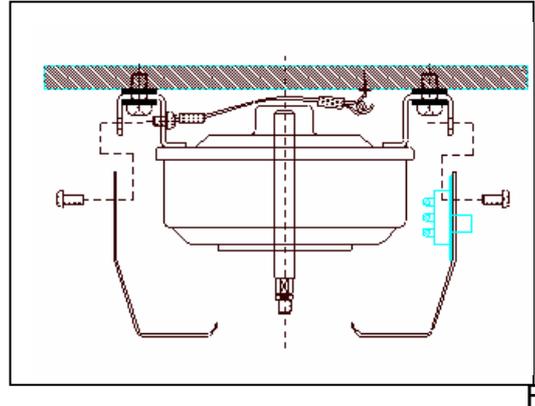


Figure 3

D. Mounting Blade Holders to Blades

- Unpack hardware package. See Figure 4
- Place screw through rubber washer then hole of blade.
- Align with corresponding hole of blade holder and tighten the screw.

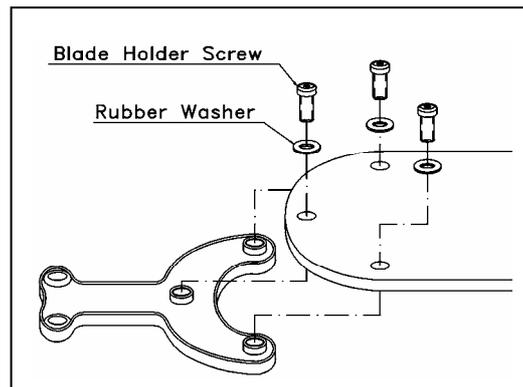


Figure 4

E. Mounting Blade Holders to Turning Disk

- Obtain countersink screw. See Figure 5
- Place screw through the screw hole of blade holder end and tighten up to the turning disk.

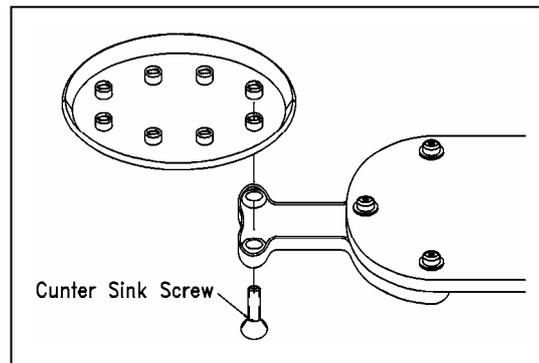


Figure 5

F. Mounting Turning Disk to Motor

- Unpack hardware package.
- Place one flat washer into the shaft of the fan motor. See Figure 6
- Align the slot of turning disk and insert into shaft of the motor.
- Place another washer into the shaft and clip on the E-clip into the slot for temporary securing the disk.
- Tighten the turning disk by using the securing mounting nut.

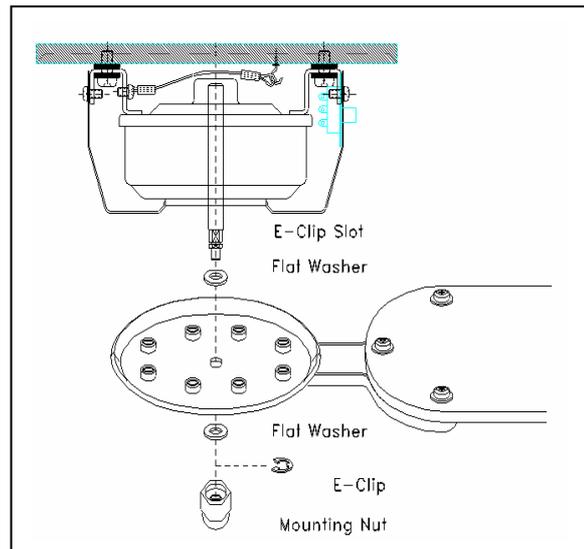


Figure 6

REMOTE INSTALLATION

G. Remote Receiver Installation

- Place remote receiver on top of 12V DC motor.
- Connect remote receiver white wire (with mark indicated "TO DC FAN") to motor white wire; connect remote receiver black wire (with mark indicated "TO DC FAN") to motor black wire. See Figure 7
- Connect remote receiver white wire to battery " - "; connect remote receiver black wire to one fuse black wire from housing. Connect the other fuse black wire to battery " + ".

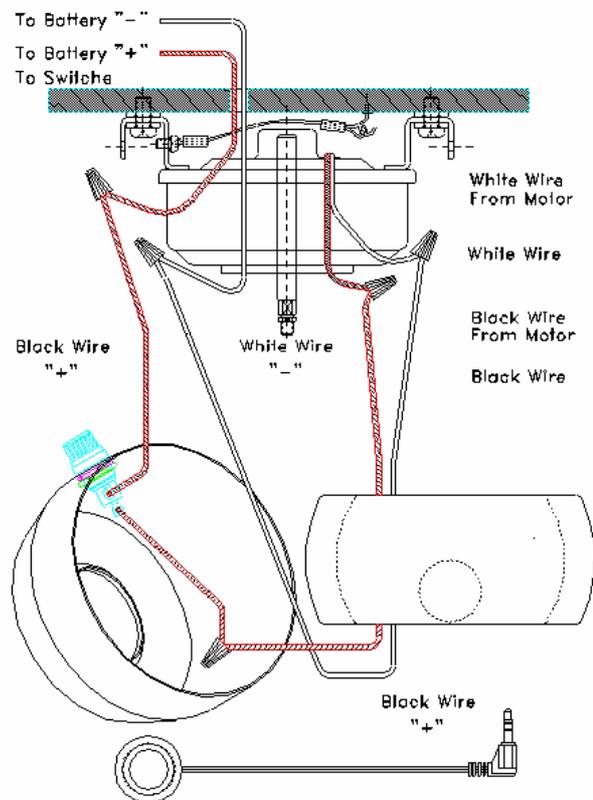


Figure 7

- After completing wiring, plug Infrared Light wire into remote receiver, attach with double-sided tape to ceiling next to motor housing cover. See Figure 7-1, 7-2
- CONTINUE INSTALLATION BY READING 12V DC CEILING FAN INSTALLATION.
- 1.5A fuse mounted within fuse tube. Only replace 1.5A fuse in case of blows. Power source must be positive DC 12V.
- All positive wires must be fused (3A) to protect the circuit. Failure to make proper connections and fusing will void product warranty.



Figure 7-1



Figure 7-2

H. Remote Control

Remote control enables to control

- power on / off
- high / low speed
- forward / reverse directions

(Require 2 AAA batteries, not included)



Trouble Shooting

TROUBLE

1. Fan won't start

2. Noise of the fan

3. Fan wobbles or shake excessively holder.

SUGGESTIONS

● **ONLY connect to DC 12V Supply before turn on the fan.**

● Check fuses and circuit breaker.

● Check wiring connections of switch if properly installed.

● Check wiring connections to fan

● Check if all screws in motor housing are tightened.

● Check if blade holder screws are tight.

● Check wire connectors in switch housing are not rattling against wall of motor housing.

● Check all blades are firmly secured into blade.

● Check blade holders firmly secured to turning disk.

● Check distance between blade tips to blade tip. All measurements should be equal. Loosen and retighten the blades if necessary.

● Check distance from blade tips to ceiling. Gently bend up or down the blade until all distances are the same.

● Balance the unequal weight blade with balancing kits (available at various stores).

i. Clip a clip-on-weight to the trailing side of one of the fan blades (More than one clip-on-weight might be needed).

ii. Attach a self-adhesive weight to the top of the blade once the wobble disappeared.

iii. Remove the clip-on-weight.