

52 INCH CEILING FAN INSTALLATION

CAUTION

**READ INSTRUCTIONS CAREFULLY FOR SAFE
INSTALLATION AND FAN OPERATION.**

Ceiling Fan Installation

THANK YOU FOR PURCHASING

Thank you for purchasing the latest in energy saving ceiling fans. This fan runs on DC (direct current) power which gives it the benefit of being super energy efficient whilst still maintaining high volume air-movement and silent operation.

Energy saving - The DC motor is the latest technology in fan design. Its highly efficient motor saves up to 65% more energy than ceiling fans with traditional AC motors.

Silent operation – This DC fan motor is programmed with a stabilised current which efficiently reduces motor noise.

Low operating temperature – The DC power is managed effectively which brings down the motor operating temperature to less than 50°C. This results in a much cooler motor than a standard AC fan and increases the longevity of the motor.

6 speed remote control - Regular AC ceiling fans usually come with only 3 speeds, this DC fan comes complete with a 6 speed remote, which gives a greater choice of comfort levels.

SAFETY PRECAUTIONS

1. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Cleaning and maintenance shall not be undertaken by children without supervision.
2. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
3. Children should be supervised to ensure that they do not play with the appliance.
4. An all-pole disconnection switch must be incorporated into the fixed wiring, in accordance with local wiring rules.



5. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well-being.
6. The structure to which the fan is to be mounted must be capable of supporting a weight of 30kg.
7. The fan should be mounted so that the blades are at least 2.3 m above the floor.

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8. This fan is suitable for indoor, alfresco and coastal areas where the fan is fully undercover with a minimum of 1 wall. This fan is not waterproof. When installed in an alfresco or coastal area, the ceiling fan must be positioned in a location protected from water, wind and dust. Exposure to these elements will void the warranty. Mounting the fan in a situation where it is subject to water or moisture is dangerous and may increase the risk of damage, injury or electrical shock and will void the warranty.
9. Must be assembled and installed by a licensed electrician.
10. The replacement of parts of the safety suspension system device shall be performed by the manufacturer, its service agent or suitably qualified persons.
11. The fixing means for attachment to the ceiling such as hooks or other devices shall be fixed with a sufficient strength to withstand 4 times the weight of the ceiling fan; that the mounting of the suspension system shall be performed by the manufacturer, its service agent or suitably qualified persons.
12. **WARNING:** If unusual wobbling or oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its service agent or suitably qualified persons.

PART LIST

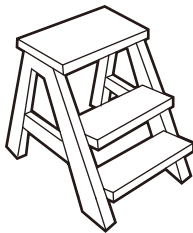
TOOLS REQUIRED



Phillips
screwdriver



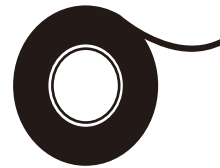
Flat blade
screwdriver



Step
ladder

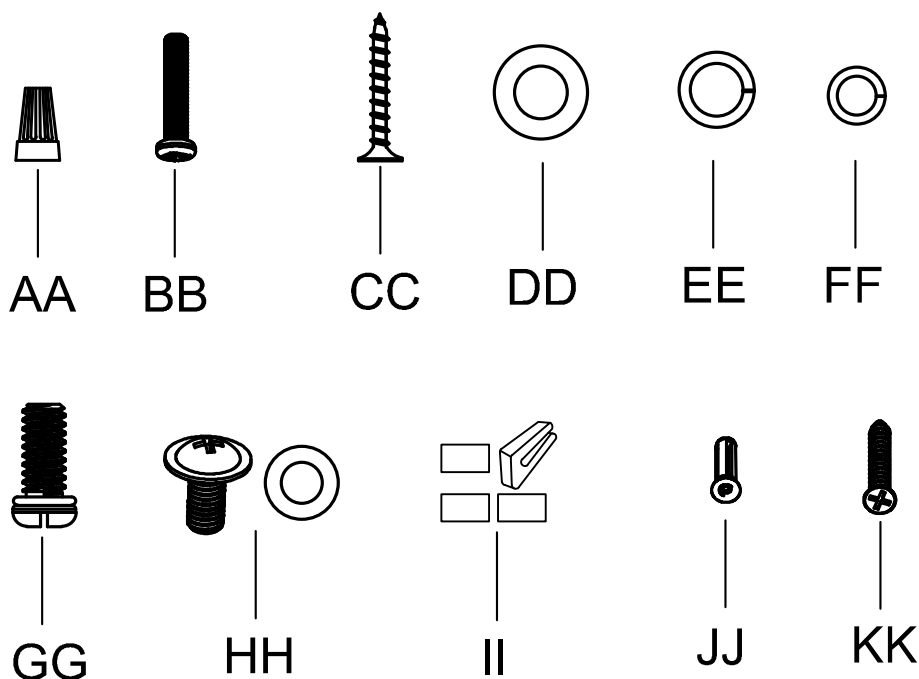


Wire
stripper



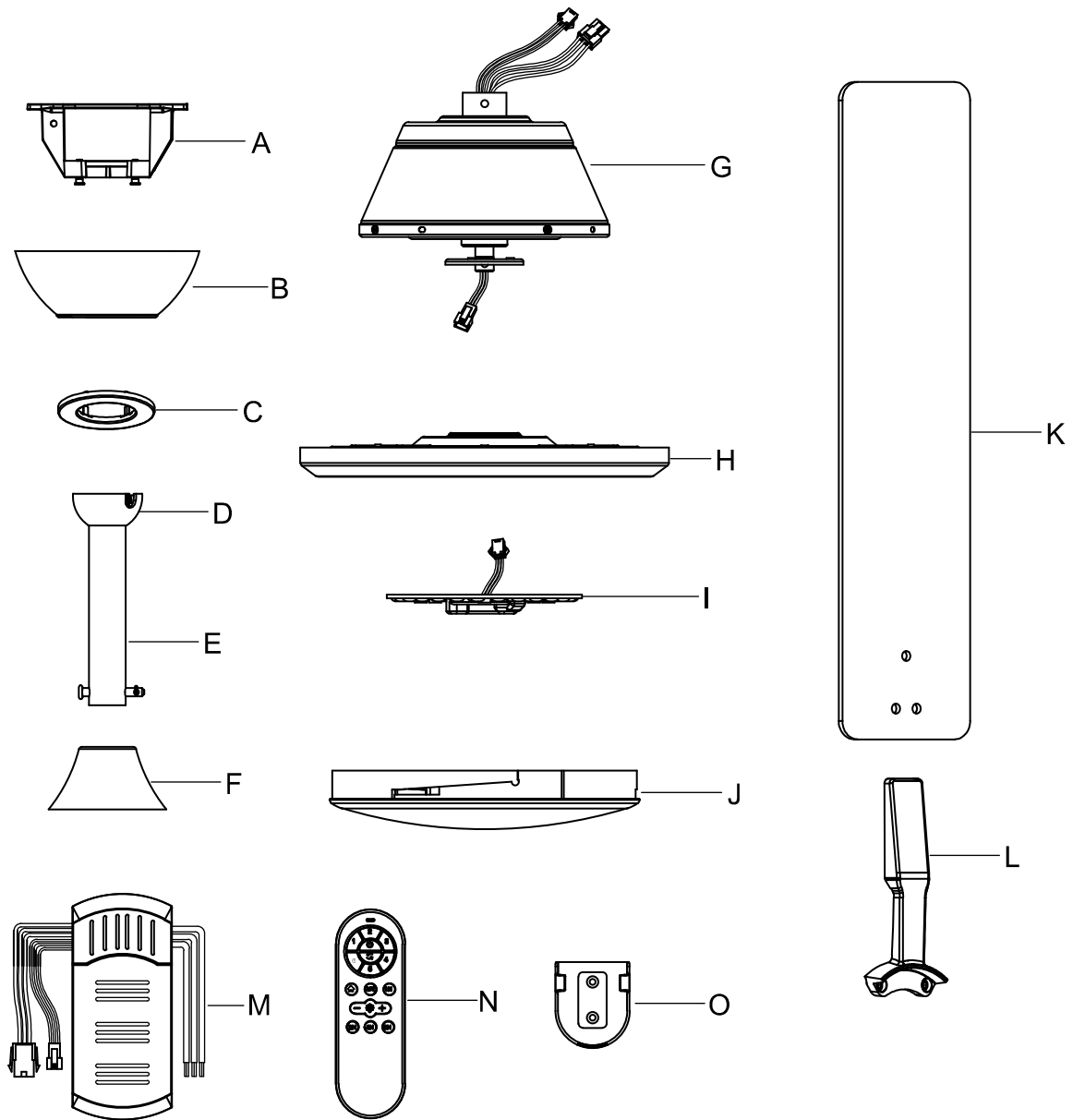
Electrical
tape

HARDWARE INCLUDED



Part	Description	Quantity
AA	Wire nut(P3)	3
BB	Screw-1(M4*25)	2
CC	Screw-2(ST4.8*35)	2
DD	Washer - D15 ($\Phi 15$)	4
EE	Washer - D5 ($\Phi 5$)	2
FF	Washer - D4 ($\Phi 4$)	2
GG	Screw-3(1/4-24*12.7)	16
HH	Extra blades attachment screws (3/16-24*6mm), Extra blades attachment washer	11
II	Balancing	1
JJ	Anchor	2
KK	Screw-6 (ST3.0*18)	2

PACKAGE CONTENTS



Part	Description	Quantity
A	Mounting bracket	1
B	Canopy	1
C	Canopy cover	1
D	Hanger ball (preassembled)	1
E	Downrod (preassembled)	1
F	Coupling cover	1
G	Fan motor assembly	1
H	Lightkit Pan	1

Part	Description	Quantity
I	LED module	1
J	Glass shade	1
K	Blade	5
L	Blade arm	5
M	Remote control receiver	1
N	Remote control transmitter	1
O	Remote control holder	1

HANGING BRACKET INSTALLATION

- The ceiling fan must be installed in a location so that the blades are spaced 300mm from the tip of the blade to the nearest objects or walls.
- Install the hanging bracket to the ceiling joist or structure that is capable of carrying a load of at least 30kg, with two long screws provided. Ensure at least 30mm of the screw is threaded into the support. (Fig. 2)

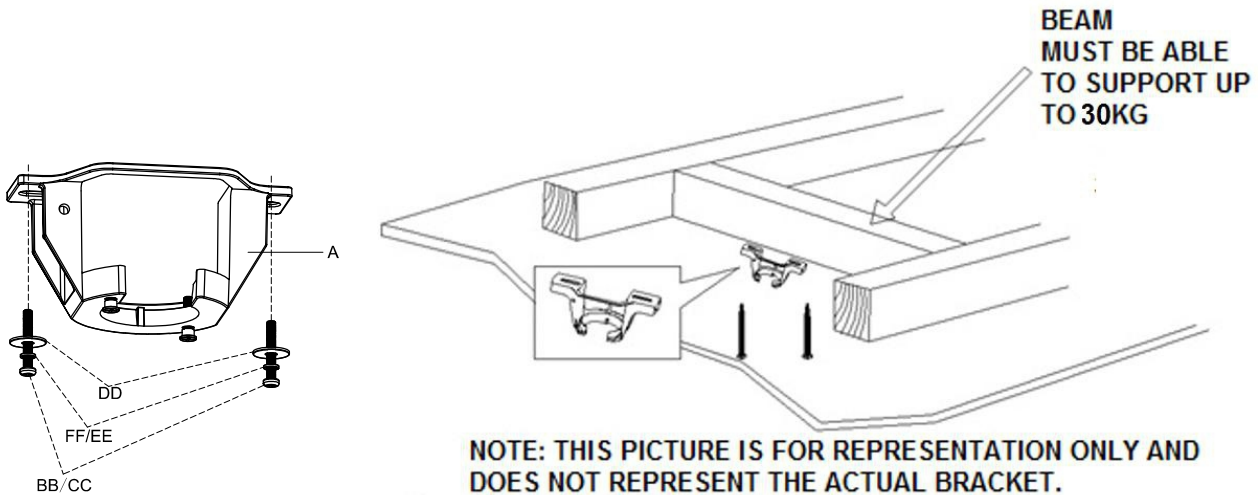


Fig. 2

NOTE: The bracket screws provided are for use with wooden structures only. For structures other than wood, the appropriate screw type **MUST** be used. Ensure the screws used are suitable for the mounting surface and the surrounding environment.

ANGLED CEILING INSTALLATION

This fan hanging system supports a maximum 12 degree angled ceiling installation. (Fig.3)

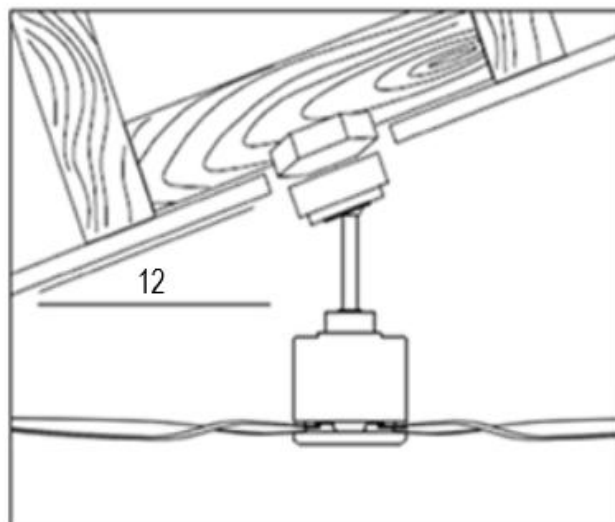


Fig. 3

INSTALLING THE FAN

INSTALLING THE DOWN ROD

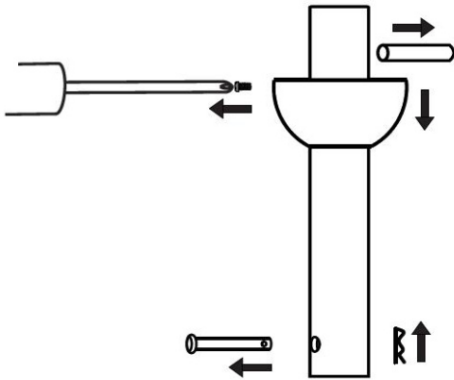


Fig. 4

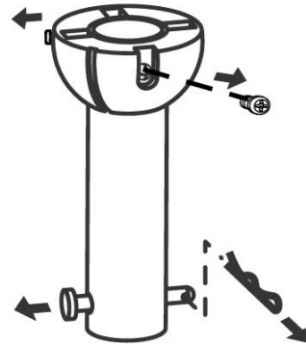


Fig. 5

1. Remove the ball joint and dowel pin by loosening the set screws from the down rod . **Fig.4**
2. Remove the hitch pin by removing the lock clip. **Fig.5**

NOTE: Do not discard keep these parts, they are required to reassemble later.

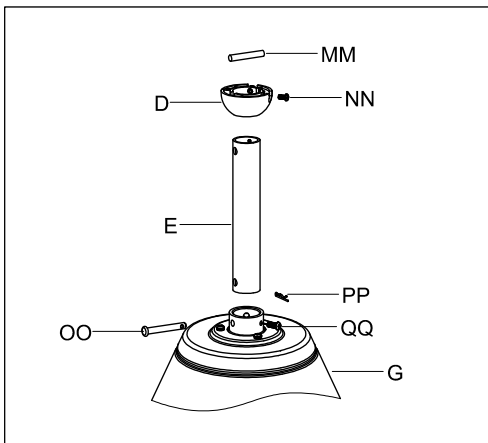


Fig. 6a

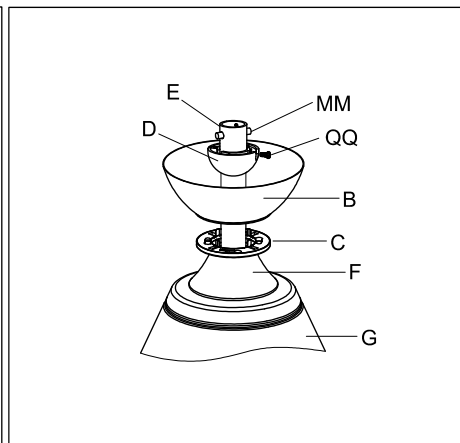


Fig. 6b

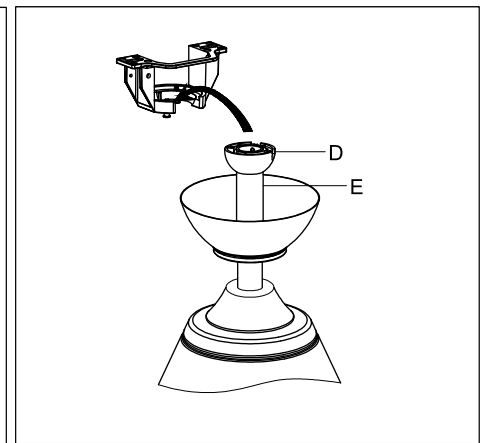


Fig. 6c

1. Loosen the set screws (QQ) on the down rod coupling housing (G).
2. Carefully feed the fan wires up through the down rod (E).
3. Assemble the down rod (E) into the down rod coupling housing (G), by inserting and line up the down rod coupling housing holes with the down rod holes and insert the hitch pin (OO) and secure with the lock clip (PP).
4. Secure the down rod (E) by tightening the set screws (QQ). (**Fig. 6a**)
5. Insert (F),(C) and (B) into the lower rod (E).
6. Insert (D) into the lower rod (E), insert the bolt (MM), and then fix it with the screw (QQ). (**Fig. 6b**)

Blade attachment

1. Before Installing the blades, take out the blade screw from fan installation kit.
2. Once completed, repeat the process on the remaining blades. **(Fig. 7)**

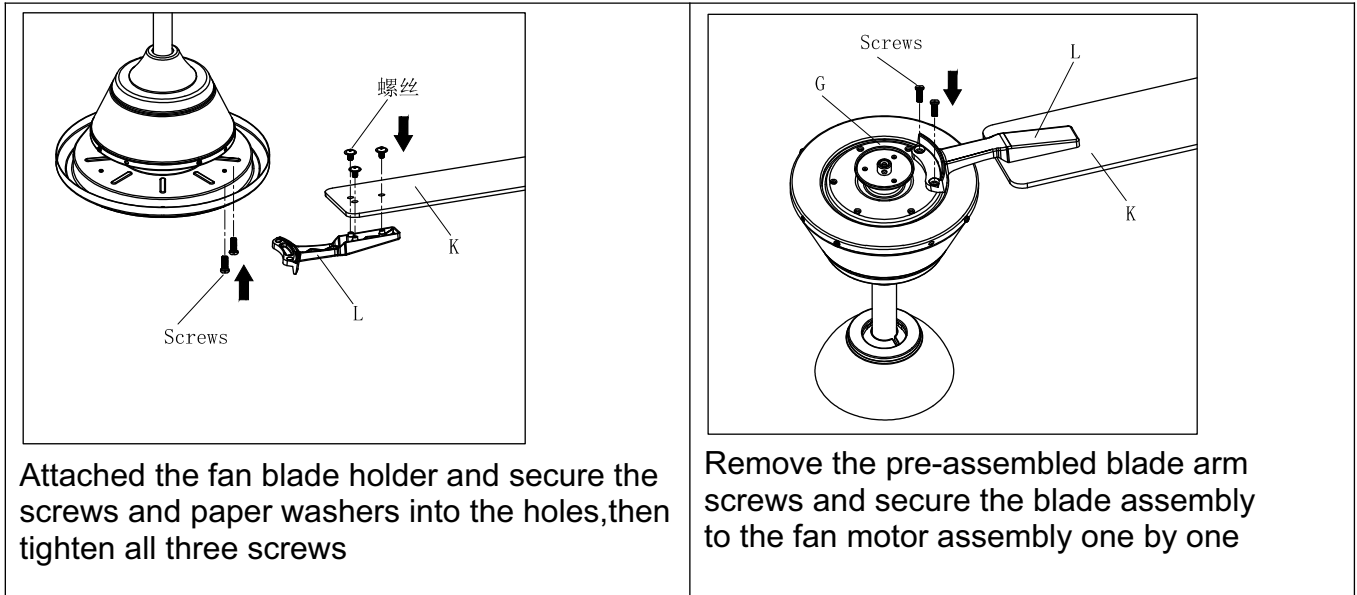


Fig. 7

INSTALLATION OF Bottom cover

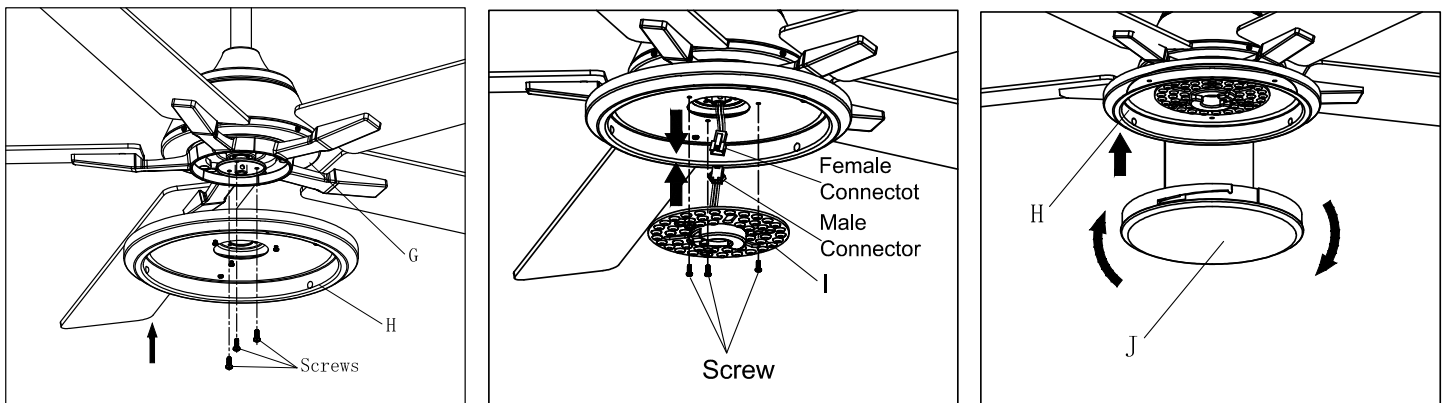


Fig. 8a

Fig. 8b

Fig. 8c

1. Attach the Light kit Pan to the fan and fix the screws to the hole and tighten all the three screws firmly. **(Fig. 8a)**
2. Insert the light source wire terminal and fix the LED model to the inner plane with 3 screws. **(Fig. 8b)**
3. Install the bottom cover to the fan assembly then secure it by turning clockwise. **(Fig. 8c)**

HANGING THE FAN

Lift the fan assembly onto the mounting bracket. Ensure the key slot (A) of the hanger ball is positioned on the key pin (B) of the mounting bracket (C) to prevent the fan from rotating when in operation. (Fig. 9)

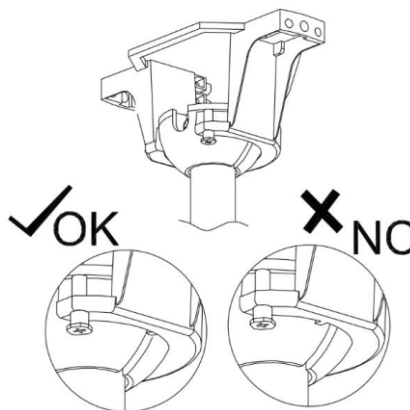
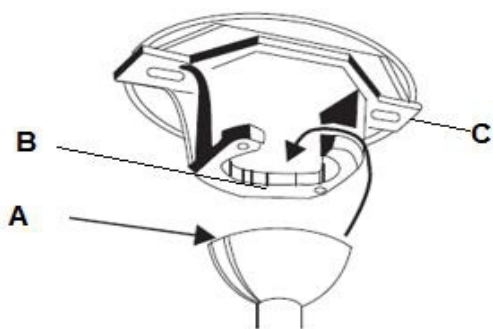


Fig. 9

ELECTRIC WIRING DIAGRAM

PREPARE AND COMPLETE THE ELECTRICAL WIRING --- WIRING DIAGRAM

WARNING: FOR YOUR SAFETY ALL ELECTRICAL CONNECTIONS MUST BE UNDERTAKEN BY A LICENSED ELECTRICIAN.

NOTE: AN ADDITIONAL ALL POLE DISCONNECTION SWITCH MUST BE INCLUDED IN THE FIXED WIRING.

NOTE: IF THERE ARE TWO OR MORE DC CEILING FANS INSTALLED IN THE ONE LOCATION, AN ISOLATION SWITCH IS REQUIRED FOR EACH CEILING FAN. THIS IS REQUIRED WHEN PROGRAMMING THE REMOTE AND RECEIVER TO PAIR TOGETHER.

NOTE: Ensure the motor earth wire is connected to the single earthing terminal block "1" in the diagram below (Fig. 10).

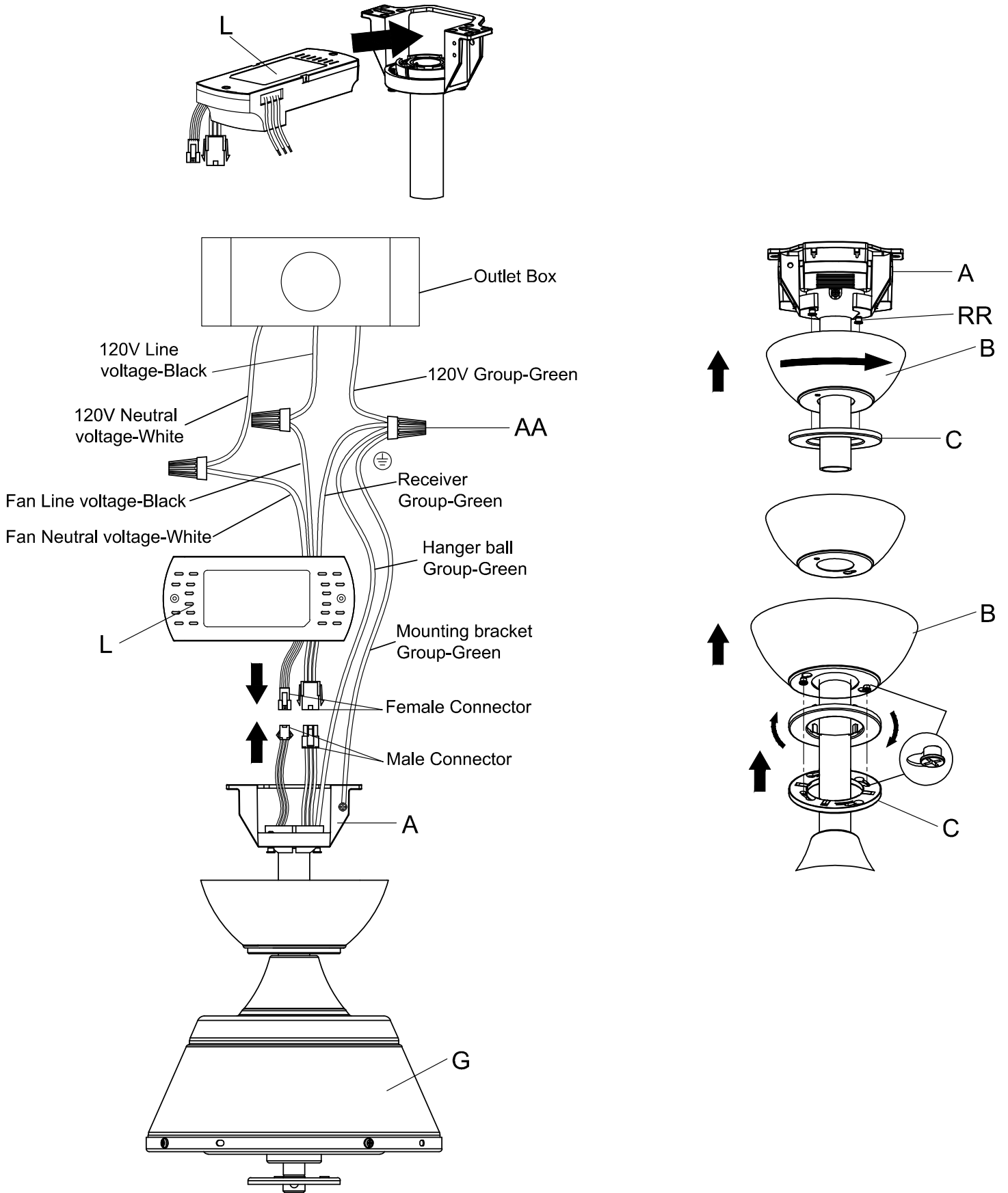


Fig. 10

From mains supply to mounting bracket terminal block: (Fig. 10)

- Connect the live supply wire to the “L” terminal of the terminal block on the mounting bracket.
- Connect the neutral supply wire to “N” terminal of the terminal block on the mounting bracket.
- Connect earth wire to the earth terminal of the terminal block on the mounting bracket.

From mounting bracket to receiver and motor: (Fig. 10)

- Connect the supply wiring from the mounting bracket to the input of the DC motor driver/receiver.
- Connect the output wires of DC motor driver/receiver to the input wires of the fan motor and the light kit.
- Connect the earth wire of DC motor driver/receiver to the single earthing terminal block “1” in the diagram below.

Carefully insert the Remote Receiver above the hanger ball in the remainder spacing in the mounting bracket. Take care not to damage or loosen any of the wiring. **(Fig. 10)**.

AFTER INSTALLATION

NOTE: ceiling fans tend to move during operation due to the fact that they are mounted on a rubber grommet. If the fan was mounted rigidly to the ceiling it would cause excessive vibration. Movement of a few centimeters is quite acceptable and DOES NOT suggest any problem.

TO REDUCE THE FAN WOBBLE: Please check that all screws which fix the mounting bracket and down rod are secure.

BALANCING KIT: A balancing kit is provided to balance the ceiling fan on initial installation. Please refer to the instruction on how to use the balancing kit. The balancing kit can be used to assist re-balancing should the ceiling fan become un-balanced again. Store your balancing kit away after installation for future use if required.

NOISE:

When it is quiet (especially at night) you may hear occasional noises. Slight power fluctuations and frequency signals superimposed in the electricity for off-peak hot water control, may cause a change in fan motor noise. This is normal. Please allow a 24-hour “settling-in” period, most noises associated with a new fan disappear during this time.

The manufacturer’s warranty covers actual faults that may develop and NOT minor complaints such as hearing the motor run – All electric motors are audible to some extent.

CARE AND CLEANING:

NOTE: Always turn OFF the power at the mains switch before performing any maintenance or attempting to clean your fan.

- Every 6 months periodic cleaning of your ceiling fan is the only maintenance required. Use a soft brush or lint free cloth to avoid scratching the paint finish. Please turn off electricity power when you do so.
- Do not soak or immerse your ceiling fan in the water or other liquids. It could damage the motor or the blades and create the possibility of an electrical shock.
- Ensure that the fan does not come in contact with any organic solvents or cleaners.
- To clean the fan blade, wipe with only a damp clean cloth with NO organic solvents or cleaners.
- The motor has a permanently lubricated ball bearing so there is no need to oil.

TECHNICAL INFORMATION

Fan Models	52" DC FAN
Rated Voltage	110~120V~ 60Hz
Rated Wattage (Motor)	20W
Rated wattage (Lamp)	24W
Battery for remote	NO