INSTALLATION INSTRUCTIONS

IMPORTANT: READ AND RETAIN THESE INSTALLATION INSTRUCTIONS
Wiring must comply with CEC, NEC, and local electrical codes.

CEILING FANS	
SERIES	**MODELS**
PERFORMANCE	FP36R, FP48R, FP56 & FP56R

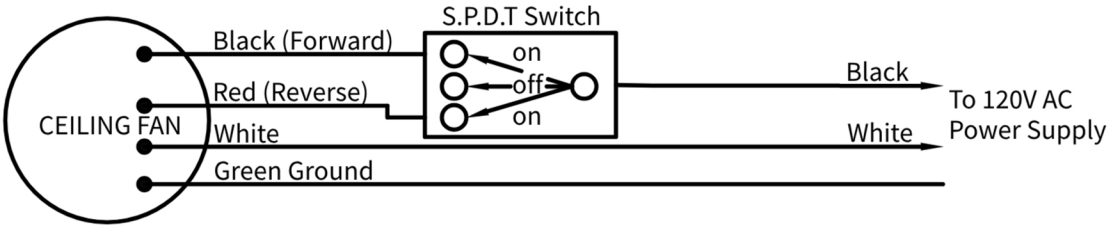
IMPORTANT SAFETY INSTRUCTIONS

- Installation and electrical wiring must be performed by qualified professionals, following all applicable codes and standards.
- Ensure power is turned off at the main electrical service box before beginning installation.
- After removing the fan from its packaging, carefully inspect it for any shipping damage. Never use or install a damaged fan.
- Use this fan only as directed by the manufacturer. It is designed for permanent installation and is designed exclusively for air circulation.
- All set screws must be checked and re-tightend where necessary before and after installation.
- The ceiling fan should be directly supported by the structure and capable of holding at least 80 pounds, accounting for the weight of the fan and any added accessories, such as a fan guard.
- Ensure blades hang at least 10’ above the floor. Adjust the J-hook and nut so the blades are a minimum of 12” from the ceiling. For ceilings under 12’, recess the hook and downrod into the ceiling to maintain a 10’ blade height, as required by OSHA. These fans are designed for installation above 10’ and must never have blades lower than 7’ OSHA standard for unguarded fans.
- Ceiling fans installed with ceiling fan guards must be installed with J-hook mounting bolt hardware provided, and must be attached directly to the building structure.
- Check the electrical operation of the fan prior to installing the blades. Since the blades are metal, they could cause serious injury if installed before verifying motor functionality.
- To reduce the risk of personal injury, do not bend the blade brackets when installing the brackets, balancing the blades or cleaning the fan. Do not insert foreign objects in between rotating fan blades. Do not install blades prior to mounting (the reason being, the blades may become bent, which in turn creates vibrations or a wobble when the fan is in operation).
- Ensure the safety cable is securely connected.

ELECTRICAL HOOKUP

- Installation and electrical wiring must be carried out by qualified professionals in accordance with all applicable codes and standards.
- Ensure power is turned off at the main electrical service box before beginning installation.
- Verify that the power source meets the electrical specifications required for the fan.
- Check local codes to ensure proper hookup.
- The installation must comply with the CEC, NEC, and local codes.

WIRING DIAGRAM FOR COMBINATION DOWN BLOWING & UP BLOWING FANS MODELS: FP36R, FP48R & FP56R



- Reversible operations is achieved only on special wired fans with EXTRA RED LEAD.
- The single throw double pole switch has 3 positions ON-OFF-ON

TOOLS NEEDED

Flat and Phillips screwdriver - 9/16” and 3/8” open wrench or adjustable.

PRIOR TO INSTALLATION

In many cases, a qualified electrician will be required to complete the electrical connections in accordance with local electrical codes and to meet CEC, NEC, and local codes.
For installation on open web steel joists, use the supplied threaded J-hook. For wood joist construction, use a J-hook with lag threads. When attaching to concrete, drill concrete anchors into the concrete in accordance with the specifications of the CEC, NEC, and local codes.

ALL SET SCREW MUST BE CHECKED & RETIGHTENED WHERE NECESSARY BEFORE INSTALLATION

See Figure #1

1. Ensure that the set screw (4) is tight to ascertain wobble free operation
   Ensure that the cotter pin (13) is in place and secure.
   Slide lower canopy (8) down over rubber gasket to create a tight seal.
   Ensure that the lower canopy set screws (2) are tight on the downrod.
   Ensure that the bolt, cotter pin and nut are tight.

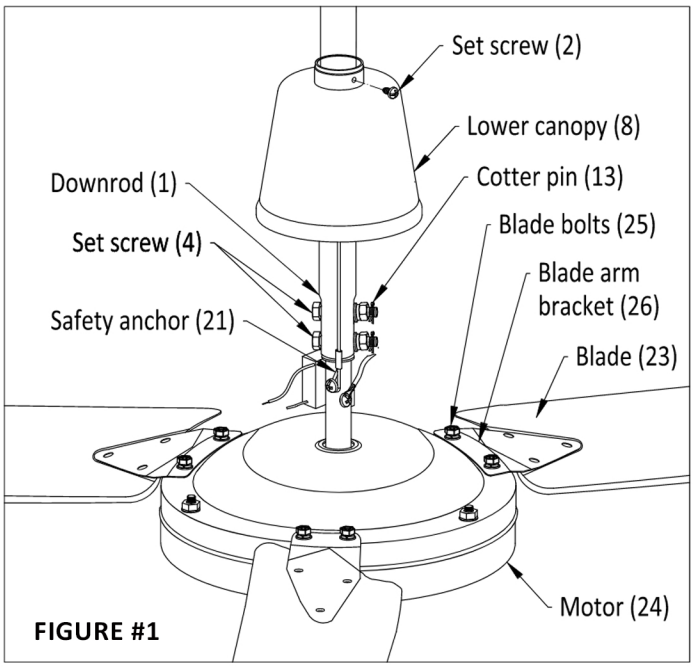


FIGURE #1

HANGING THE FAN

See Figure #2. Wind one nut (9) down to the bottom of the J-hook (12) towards the curve. Add a lock washer and then a flat washer (3) on top of the nut (9).

Put hook through opening in joist. Add flat washer (4) the lock washer (3) and nut (2). Do not tighten out completely until fan is put in place on J-hook.

Tighten slip loop of safety cable to safety hook or to structural member of the building. Leave 1 inch of slack. NOTE: Make sure crimp on safety loop is secure.

Tighten slip loop of safety cable around J-hook shaft, leave slack in cable.

Loosen the set screw (18) on the top canopy (19) on the fan's downrod (1) and lower the canopy to make room to place the rubber grommet (14) onto the J-hook.

Tighten the top nut (2) on the J-hook to raise the fan into the proper installation position.

Ensure power to the outlet box is off before hooking up the wiring (10). Wire the fan according to NEC, CEC and local electrical codes.

Raise the top canopy (19) up the downrod to cover the hook. Leave 1/8" gap between the top canopy (19) and the hanging surface while maintain the downrod's centered position. The gap between the canopy and mounting surface ensures the fan's vibrations are not transferred to the mounting surface. Tighten the set screw (18).

See Figure #1. Attach blades (23) to the motor (24) with the blade bolts (25). The blade (23) should be positioned below the blade arm bracket (26) when attaching to the motor to ensure proper air flow and direction.

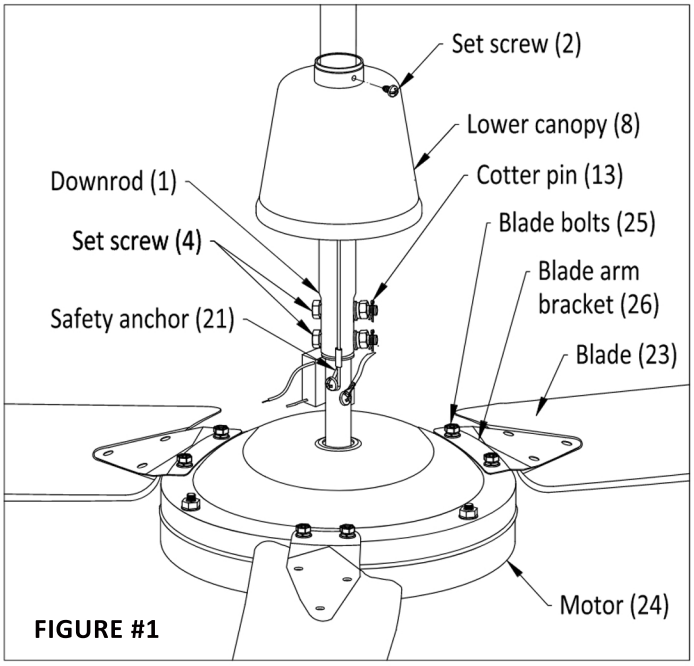


FIGURE #1

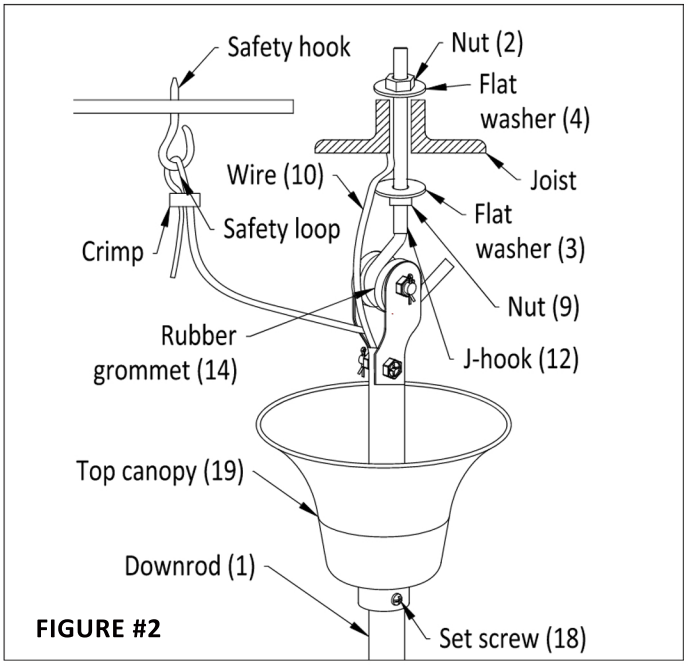


FIGURE #2

"IMPORTANT" PLEASE READ
TROUBLESHOOTING GUIDE

Note: Every fan is tested before it leaves the factory, resulting in an extremely low rate of returns. However, due to shipping and installation procedures, occasionally a fan will need a minor adjustment to run satisfactorily. If this should happen, we recommend that you identify the problem and try the simple suggestions listed below, before attempting return procedures. One of the following suggestions will usually solve any of these problems that sometimes occur. If you continue to have trouble after trying these solutions, please contact your distributor or our service technician at **1-888-822-6845** or email **returns@banvil2000.com**.

PROBLEM	SUGGESTION
1. Fan will not start	**Caution: Turn off power at main circuit breaker before checking!** a) Check fuses and circuit breakers. b) Check wire connections to fan. c) Check wiring connection in lower canopy. d) Check voltage at fan connection.
2. Fan too Fast/Slow	a) Adjust the trim set screw in fan control. b) Check voltage at fan connection. c) Refer to motor construction instruction.
3. Fan Makes Noise	a) Check motor case to make sure all visible screws are snug. b) Check to make sure that all blade bracket screws are tight. c) Check for labels or wire nuts that could be rubbing. d) All ceiling fans may have a slight motor noise known as the "60 cycle hum" when used with solid state, infinite or speed controls. Especially on lower speeds. This hum will not affect the fan performance. e) Allow a 30-day break-in period which normally eliminates any residual noise other than a, b, c, or d above.
4. Fan Wobbles	a) Check that all blade brackets are screwed firmly to motor case. b) Check distance from tip of blades to ceiling. If blades get bent during installation, you must read just them so that all blades travel on same plane. Gently bend up or down until all blades are the same. c) Make sure upper canopy is 1/8" from ceiling. d) Make sure that hanging hooks are secured tightly to ceiling. e) Run fan without blades, if motor does not wobble, then motor is not defective, but the blades maybe bent.
5. Fan Control	a) If a speed control is installed, check the voltage at the control to ensure it is wired correctly and was not damaged or defective during installation or connection to the power source.

CEILING FAN LIMITED WARRANTY

Warranty Coverage
Banvil warrants to the original purchaser for the period stated in the chart below. Banvil will, at its discretion, repair or replace the fan if it malfunctions or fails due to defects in workmanship or materials.

Banvil Limited Warranty		
Banvil Fan Series	**Date of Purchase from Banvil**	**Date of Manufacture**
Performance	3 Years	4 Years

How to Obtain Warranty Service
To obtain warranty service, please email pictures of the fan, including the manufacturing date and the reason for the return, to **returns@banvil2000.com**. We will review the information and provide further instructions.

After instructions, if a return is necessary, please send the fan to the following address:

Banvil
470 Industrial Ave.,
Woodstock, ON
N4S 7L1

The product must be shipped to Banvil with freight prepaid by the customer. All returns must be properly packaged to prevent damage during transit. Any product returned without proper packaging will void the warranty. The end user is responsible for the removal, reinstallation, insurance, freight, and any other transport charges.

Exclusions
This warranty excludes defects, malfunctions, or failures caused by improper installation, mishandling, unauthorized modifications, inadequate repairs, or unreasonable use.

Limitations of Liability
Banvil's liability in all events is limited to the purchase price of the product. Under no circumstances shall Banvil be liable for any consequential or incidental damages arising from defects in workmanship or materials.