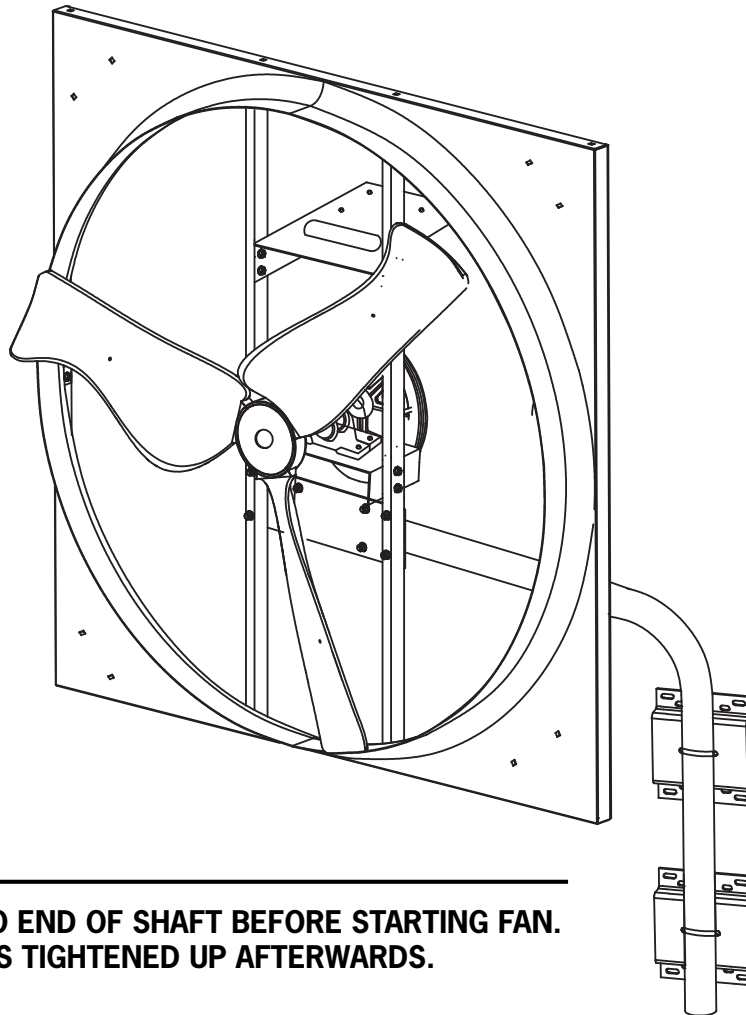


PF52 Fans

Instruction Manual

READ AND SAVE THESE INSTRUCTIONS

Models:
PF52-AI
PF52-A3



WARNING!

**MOVE OUT BLADE TO END OF SHAFT BEFORE STARTING FAN.
MAKE SURE BLADE IS TIGHTENED UP AFTERWARDS.**

WARRANTY

Canarm Ltd. warrants every new fan to be free of defects and workmanship, to the extent that, within one year from the date of purchase, Canarm Ltd. shall either repair or replace at Canarm's option, any unit or part thereof, returned freight pre-paid, and found to be defective. Proof of purchase may be required.

This warranty does not include any labor or transportation cost incidental to the removal and re-installation of the unit at the users premises.

Components repaired or replaced are warranted through the remainder of the original warranty period only.

This warranty applies to the original purchaser - user only; it is null and void in case of alteration, accident, abuse, neglect, and operation not in accordance with instructions.

NOTICE: No warranty claims will be honored by Canarm Ltd. unless prior authorization is obtained.

**Installation or Product problems? Do not return to store of purchase.
Contact Canarm Service at 1-800-265-1833 (CANADA) 1-800-267-4427 (U.S.A.)
1-800-567-2513 (EN FRANCAIS) Monday to Friday 8:00 - 5:00pm e.s.t.
or visit www.canarm.com**

PF52 FANS

READ INSTRUCTIONS COMPLETELY BEFORE INSTALLATION & SAVE FOR REFERENCE

Congratulations on the purchase of this innovative circulating fan.

Its new design allows it to easily mount to walls, posts or ceilings.

This fan provides 28,000 CFM of circulating air flow - good for any application.

If your PF52 comes assembled, you will only require the mounting bracket and U-bolts. If unassembled, your package should include the items listed below and right.. Please check to ensure you have these parts before assembly.

PARTS LIST

CODE	DESCRIPTION	QUANTITY
52PNL	52" PANEL MAIN FRAME	1
52ORF	52" ORIFICE	1
52BLD	52" PANEL FAN BLADE	1
52LP	LARGE PULLEY	1
52SP	SMALL PULLEY	1
52PBB	PILLOW BLOCK BEARINGS	2
52SB	SHAFT BRACKET	1
52MB	MOTOR BRACKET	1
52TB	TENSIONER BRACKET	1
52TNR	TENSIONER	1
52FS10	FAN SHAFT 10.625" X 1"	1
52MXV4B	MX V4 BELT	1
CAM52MKit	52" PANEL FAN MOUNTING KIT	1
	L MOUNT	1
	UNIVERSAL WALL MOUNT PLATE	2
	U -BOLTS	4
	MOUNTING PLATE	1
	M8 X 60 BOLTS	4

HARDWARE INCLUDED

CODE	DESCRIPTION	QUANTITY
M8 x 55	HEX BOLT	14
M8 x 35	HEX BOLT	4
M10 x 40	HEX BOLT	4
M8 x 40	HEX BOLT	4
M8 x 40	HEX BOLT	4
M8 x 25	HEX BOLT	2
M10	HEX BOLT	1



WARNING:
THE FAN MUST BE MOUNTED TO THE BUILDING STRUCTURE.
THE STRUCTURE MUST BE SUITABLE TO SUPPORT THE WEIGHT OF THE FAN.



WARNING:
THE HARDWARE FOR MOUNTING TO JOIST OR BEAM IS NOT SUPPLIED. HARDWARE USED MUST BE SUITABLE FOR THE TYPE OF JOIST OR BEAM TO WHICH THE FAN WILL BE MOUNTED. HARDWARE MUST CORRECTLY FIT THE MOUNTING HOLES PROVIDED AND SUPPORT THE WEIGHT OF THE FAN.



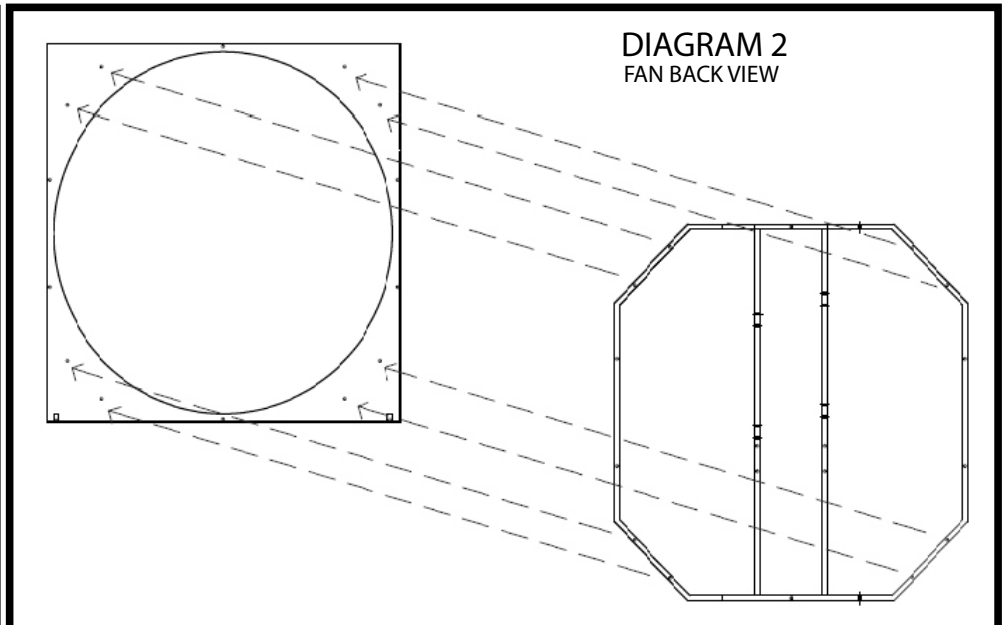
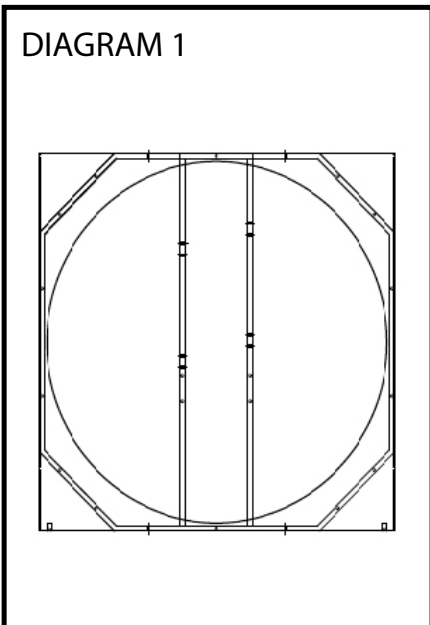
WARNING:
FAILURE TO TIGHTEN ALL BOLTS & NUTS SECURELY COULD RESULT IN SERIOUS INJURY!



WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID STATE SPEED CONTROL DEVICE.

STEP 1 — CONNECTING FRAME TO ORIFACE

Begin by fastening the main panel frame to the orifice, using bolts M8x55 (14) and M8x35 (4). See **DIAGRAMS 1 & 2**.



STEP 2

Connect the motor bracket (plate with the oval cut-out center) in between the two uprights centered in the top of the frame, using M8x40 (4). Please notice the flat mounting plate should be on the bottom of the frame. See **Diagram 3**.

STEP 3

Connect the shaft bracket (plate that is approx. ½ the width of motor mounting bracket) below the motor mounting bracket, directly above the mounting plate, using M8x40 (4).

STEP 4

Attach the two Pillow Block Bearings using M10x40 (4) to the shaft bracket. Insert the fan shaft into the two pillow block bearings. The shaft should protrude slightly longer on the front of the fan vs. the back of the fan where the large pulley attaches.

STEP 5

Mount the fan blade onto the fan shaft. Loosen the two bolts on the fan blade prior to attaching. When mounted, hand tighten these bolts. After final alignment is established these bolts will be tightened further.

STEP 6

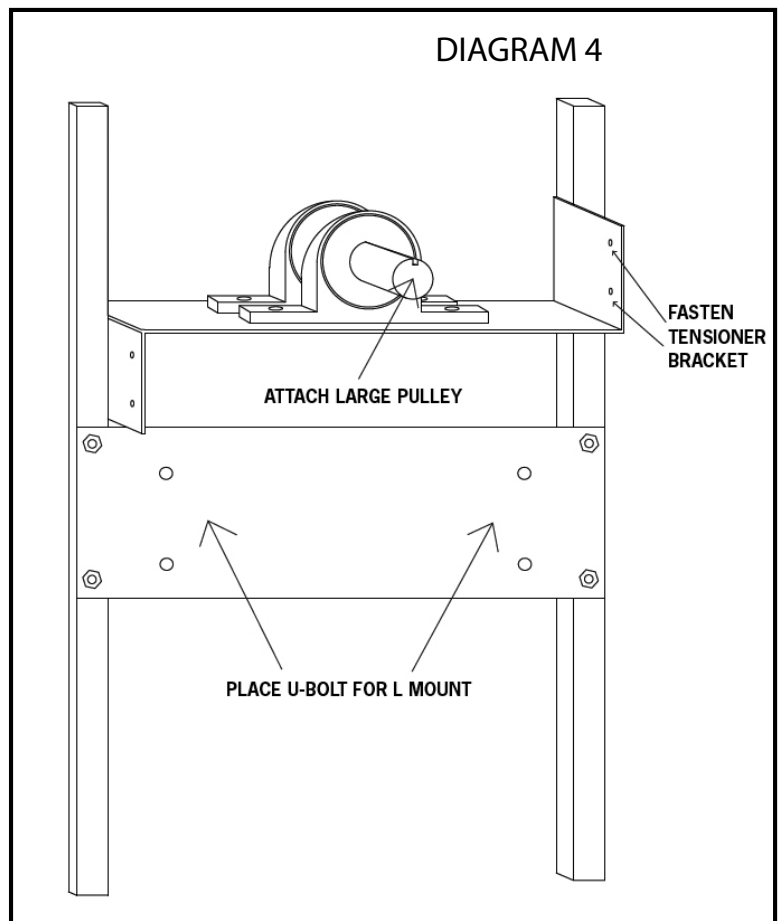
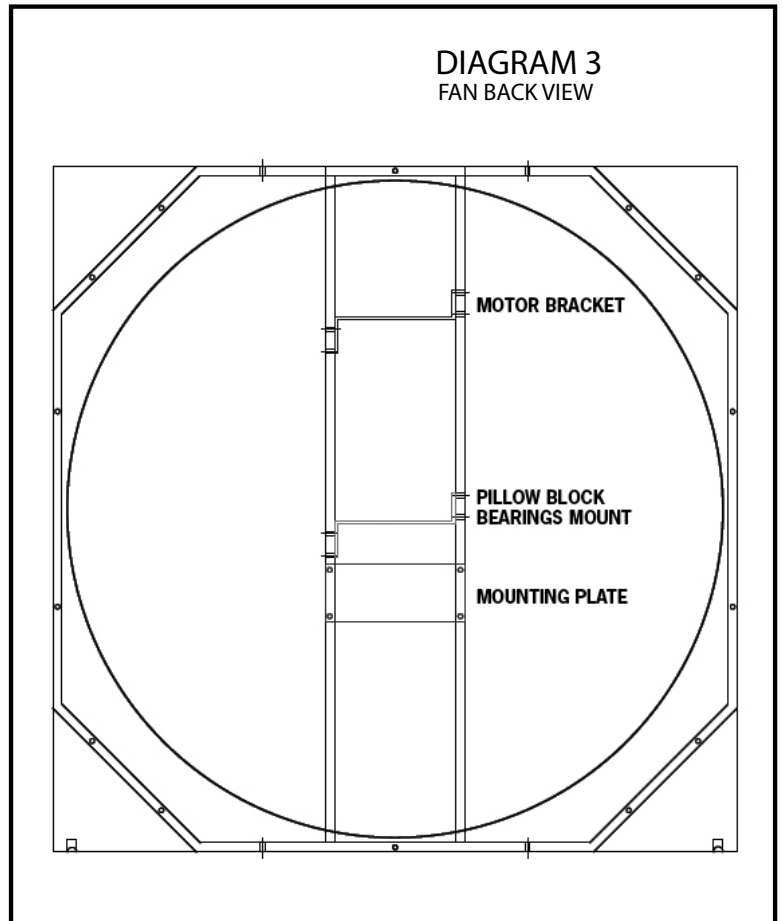
Attach the large pulley to fan shaft on the opposite side of the fan blade. Be certain the center of the large pulley is aligned straight up with the large oval of the motor bracket. Once alignment is established tighten two set screws on the large pulley. See **Diagram 4**.

STEP 7

The fan blade needs to be aligned with the orifice opening so the blade edge does not stick past the edge of the orifice. Once aligned, tighten the set screws.

STEP 8

Mount the Tensioner bracket on the back right side of the shaft mount using M8x25 (2). See **Diagram 5**.



STEP 9 _____

Mount the Tensioner onto the Tensioner bracket using one M10 bolt.

STEP 10 _____

Mount motor to the motor bracket. Fasten with appropriate bolts.

STEP 11 _____

Attach the small pulley to the motor shaft. Be certain the small pulley aligns straight with the large pulley. See **Diagram 6**.

STEP 12 _____

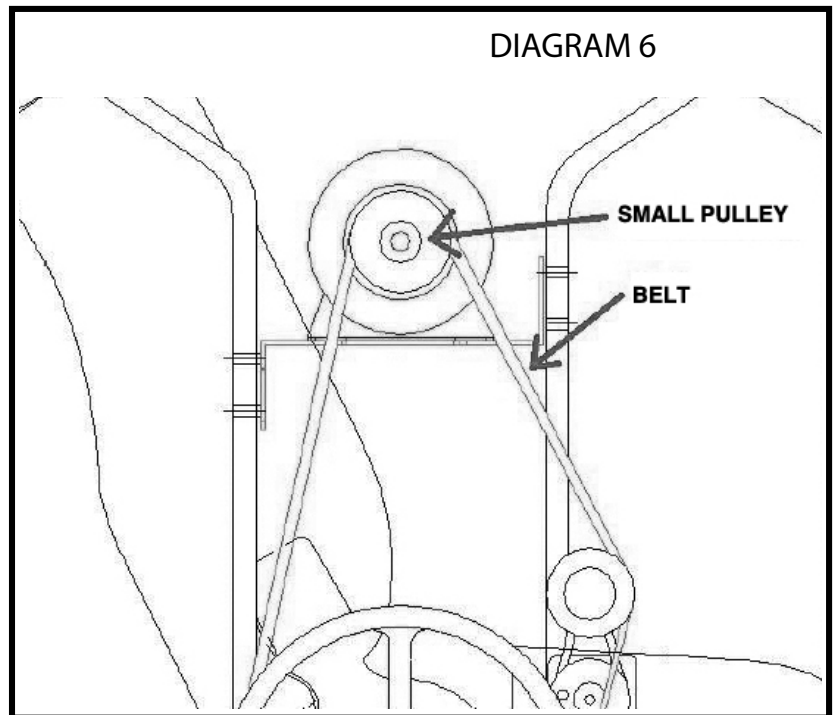
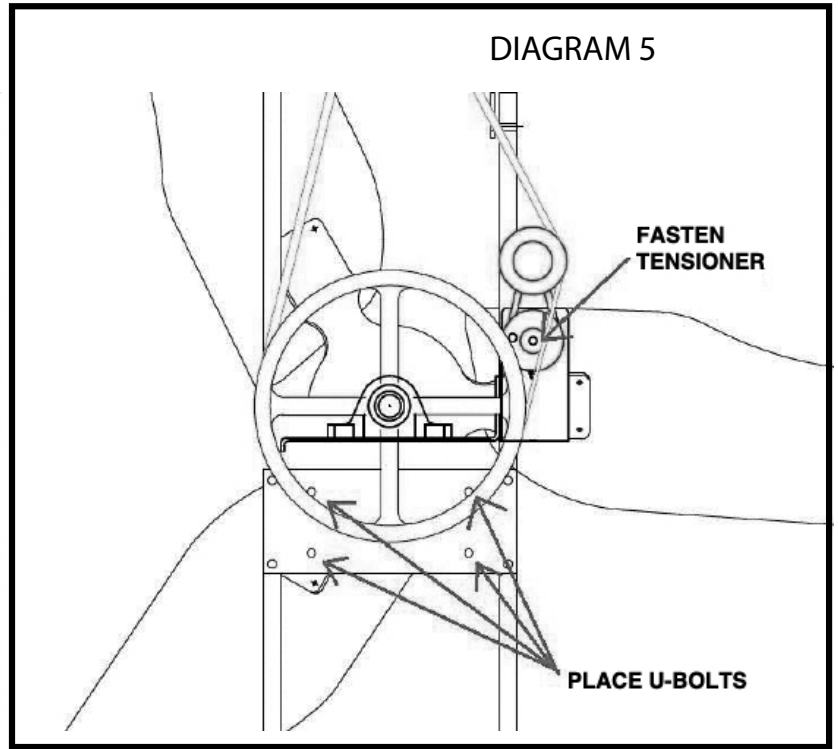
Place the MX V4 belt around the small pulley, sliding onto the large pulley and tensioner in one motion. Note: rotating the wheel and pressing the tensioner closer to the wheel will allow the belt to mount easier on the pulleys.

STEP 13 _____

If using the panel mounting kit, bolt the universal wall mounts to the wall or beam that will hold the base of the mount. Next, place the U bolts in the appropriate holes to hold the L mount in place.

STEP 14 _____

The L mount end will slide through the U bolts on the mounting plate located on the bottom of the panel fan frame. Tighten the U-Bolts once the desired position has been established.



USE & CARE

Fan Controls:



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID STATE SPEED CONTROL DEVICE.

**WARNING:**

ALL WIRING SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN FOLLOWING LOCAL CODES AND REGULATIONS.

**CAUTION:**

TIE OFF THE EXCESS CORD SO THAT IT WILL NOT GET CUT IN THE FAN.

MAINTENANCE

**WARNING:**

MOTORS ARE EQUIPPED WITH AUTOMATIC OVERLOAD PROTECTION AND MAY RESTART WITHOUT WARNING. ALWAYS DISCONNECT FROM POWER BEFORE ATTEMPTING TO SERVICE.

These fans are used in a variety of applications and therefore maintenance schedules will vary. In general no more than 1/16" of dirt build-up should occur on blade, motor and guard for proper fan operation and to prevent premature failure. The complete fan should be wiped down on a regular basis to maintain the high efficiency of the fan. Particular care should be taken to clean fan blades front and back, and guards for better air moving performance. The motor should be kept clean to prevent overheating and premature failure. As with all mechanical equipment scheduled inspections should include checking that all hardware is secure and blade set screws are tight. We suggest as a minimum, that this be performed at the start and twice more every season.

**WARNING:**

DO NOT PRESSURE WASH THE MOTOR. THE MOTOR IS TOTALLY ENCLOSED, BUT IT IS NOT SEALED.

**WARNING:**

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- A) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.**
- B) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag to the service panel.**



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