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#218 LARGE MULTI-SPEED BLOWER & FILTER BOX KIT

INSTALLATION INSTRUCTIONS FOR DAKA FURNACES

- SECTION 1: MODEL 521FB, 621, 622FBT: SIDE MOUNT ONLY (PGS. 1-6)

- SECTION 2: MODEL 832FB: BACK MOUNT ONLY (PGS. 7, 8)

PARTS LIST			
KEY#	DESCRIPTION	PART #	QUANTITY
-	Blower with Motor, 4-speed (in box)	636110010	1
-	Blower Mounting Brackets (1-R, 1-L)	63611002	1 PR
Part # 38002:			
-	Bottom Base Plate	56660405	1
-	Mounting Angle – Long (Side Mount only)	56660406	1
-	Mounting Angle – Short (Side Mount only)	56660407	2
-	Side Panel Assembly	56660401	2
-	Top Panel	56660404	1
Part # 38001 + Bolt Bag 41218 *			
-	Flange Nut, 1/4" (Side Mount only)	FLN14 *	4
-	Hex Bolt, 1/4" x 3/4" (Side Mount only)	HB1434 *	4
-	Flat Washer, 1/4" (Side Mount only)	FW14 *	4
-	Wire Nut, Small	62630802 *	4
-	Screw, #12 x 3/4" self drilling/self-tapping	TK1234 *	24
-	Screw, #12 x 1/2"	SCT #1212 *	16
-	Fan Hole Cover Plate	55670604	1
-	Conduit Connector, 90 °	62670202	1
-	Instructions	66700019	1
-	Carton, Accessory (22 x 22 x 4)	69680218	1
-	Carton Label, Filter Box	65810218	1
-	7" Poly tubing, – 10" long (1 ft)	69690007	1
-	Fiberglass Air Filter (20 x 20 x 1)	Not included in kit-purchase at home improvement store	1

CAUTION: 

Disconnect all electrical power to DAKA furnace before proceeding with installation. Shut off electric supply at main breaker box before removing original blower on DAKA furnace. With all electrical power disconnected to DAKA fan control and blower, proceed to Step 1.

SECTION 1
MODELS 521FB, 621, 622FBT
— SIDE MOUNT INSTRUCTIONS ONLY —

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INSTALLATION

1. Remove cover plate and disconnect wiring in junction box connected to original blower on back of DAKA furnace.
2. Using a $\frac{5}{16}$ " nut driver or $\frac{5}{16}$ " socket with ratchet, remove the four (4) screws that hold the original blower onto the back of the DAKA furnace. With original blower removed, fasten the new fan hole cover plate over original blower hole, reusing the same four (4) screws that held the original blower in place. See FIG. 1.

Figure 1



3. Using four (4) each $\frac{1}{4}$ " x $\frac{3}{4}$ " hex bolts, four (4) $\frac{1}{4}$ " flat washers, and four (4) each $\frac{1}{4}$ " flange nuts, attach blower mounting brackets to bottom base plate. NOTE: There is one (1) right and one (1) left blower mounting bracket. Make sure to position them on bottom base plate as shown in FIG. 2. Run mounting bolts and washers down from top with nut under bottom base plate. *Do not tighten bolts yet.*

Figure 2

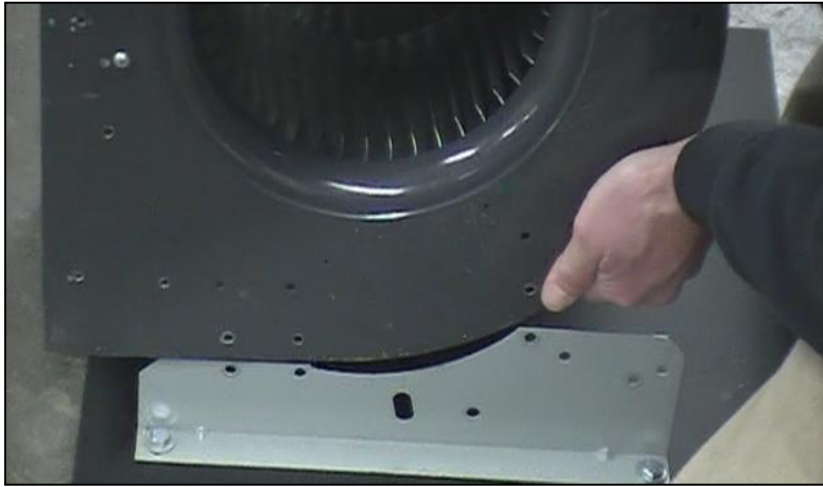


SECTION 1
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4. Use four (4) each #12 x 3/4" self-drilling/self-tapping screws to attach blower mounting brackets to blower. NOTE: These types of screws do not require drilling a pilot hole. Use a power drill with a 3/8" hex nut driver bit. Locate pre-existing holes in brackets & side of blower housing. See FIG. 3.

Figure 3

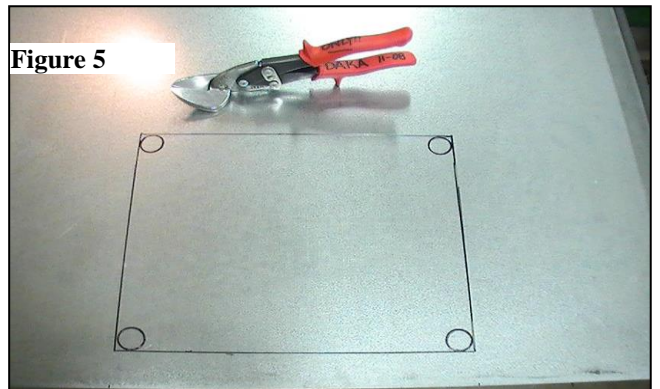


5. Position blower assembly in desired position on side of furnace. Center blower assembly front to back. See FIG. 4. Using the blower's outlet as a template, trace around the blower outlet with a black permanent marker, marking location of hole to be cut into air jacket panel in next step. See FIG. 5.

Figure 4



Figure 5

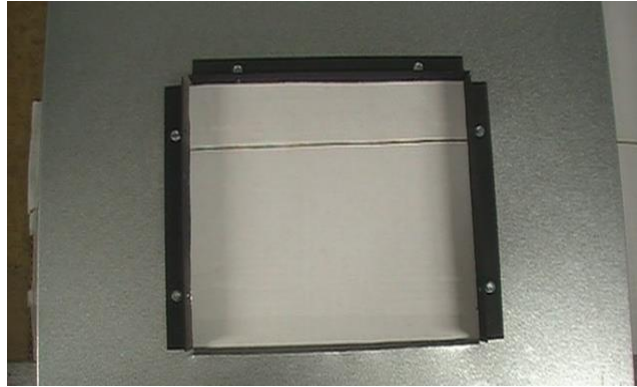


6. Cut opening in side of air jacket panel. Lay air jacket panel on flat level work table. Use a large diameter hole saw to drill a hole in each corner of marked location. See FIG. 5. Use tin snips to finish hole. NOTE: Blower outlet will extend inside opening so make sure to cut along inside of lines.
7. Before mounting angles to air jacket panel, make sure blower outlet fits in hole that you just cut in side panel. Fasten air jacket mounting angles to side air jacket panel using six (6) 12 x 3/4" self-drilling/self-tapping screws. NOTE: These types of screws do not require drilling a pilot hole. Use a power drill with a 3/8" hex nut driver bit. Flush edge of mounting angles with opening to allow blower housing outlet to slide into opening. See FIG. 6.

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Figure 6



8. Place air jacket side panel back onto furnace. Position blower assembly up next to furnace. Insert blower outlet into new opening in air jacket. Blower outlet should extend approximately 1" inside of air jacket. With bottom base plate pushed up tight against furnace, install four (4) #12 x 1/2" self drilling TEK screws through air jacket mounting angles and into blower housing. You will be drilling screws in housing – 2 screws per mounting angle.

Figure 7



9. Remove the four (4) screws that hold the blower housing to the blower mounting brackets. These screws were previously installed in Step 4. Reference FIG. 3. With screws removed, slide the bottom base plate out from under blower. Blower housing will now be temporarily supported by air jacket mounting angles. NOTE: Removal of the bottom base plate is because the filter box attaches directly to it in the next step.

Figure 8

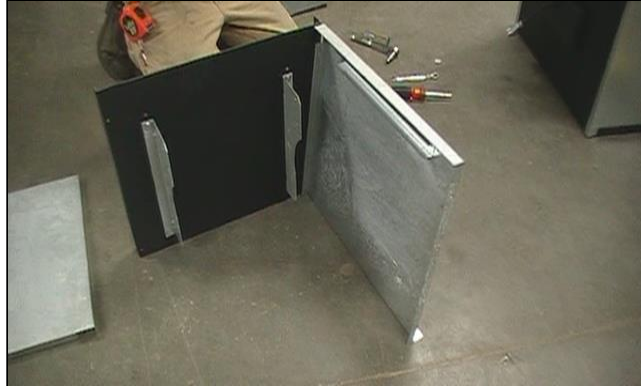


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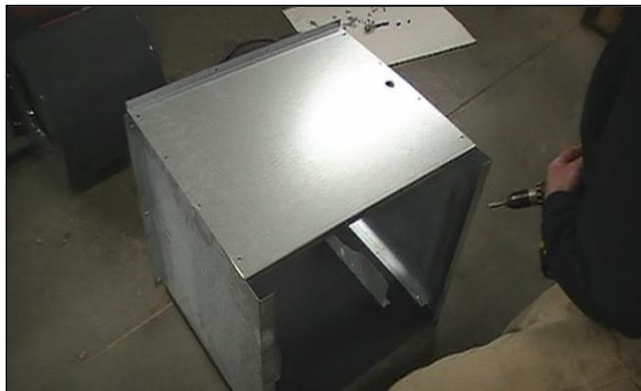
10. Set bottom plate on edge. See FIG. 9. Attach filter box side panels to bottom base plate.

Figure 9



11. Attach top panel to side panels of filter box. See FIG. 10.

Figure 10



12. Slide the assembled filter box back under the blower housing that is mounted to the air jacket side panel. Use four (4) each #12 x 3/4" self-drilling/self-tapping screws to mount blower housing assembly to blower mounting plates. (See FIG. 11 & FIG. 12). These are the same screws used in Step. 4. With these screws attached, the blower housing will now be supported by both the air jacket mounting angles & blower mounting brackets. This is necessary to properly secure the blower in place.

Figure 11



Figure 12



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13. Attach filter box assembly to the furnace air jacket panel using eight (8) 12 x ½ self-drilling/self-tapping screws. See FIG. 13.

Figure 13



CAUTION: 

Disconnect all electrical power to DAKA furnace before proceeding.

14. Install wiring from blower motor using the existing wiring. Remove top panel of filter box. Using the existing wiring supplied with furnace, located the flex conduit with 2 blue wires coming down from the fan control located on the side of DAKA furnace. Install 90° conduit connector on end of flex conduit. Insert the 2 blue wires through hole in top of filter box cover. Place conduit connector nut over blue wires. Secure connector to filter box top. Attach 1 blue wire to the common purple wire. The other blue wire in the flex conduit gets attached to either the black, yellow, orange or red wire depending on desired fan speed (See FIG. 14 WIRING DIAGRAM). With the 2 blue wires hooked up, make sure to place wire nuts on all other single wires not being used. Install top portion of 90° conduit connector to hold flexible conduit securely in place.

Figure 14 All wire nut connectors should be located inside the filter box (See FIG. 15).

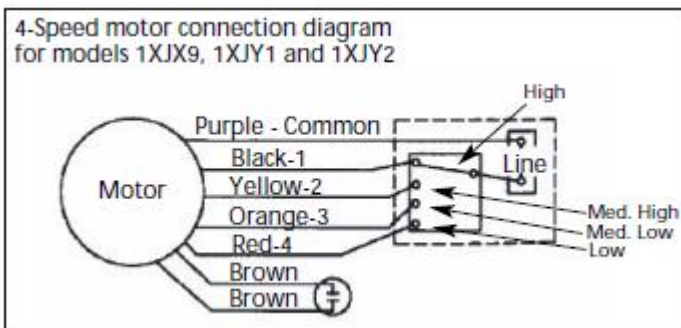


Figure 15



SECTION 2
DAKA FURNACE MODEL 832FB
— BACK MOUNT INSTRUCTIONS ONLY —

#218 LARGE MULTI-SPEED BLOWER INSTALLATION

STEP 1: ATTACH MOUNTING BRACKETS

Attach blower mounting brackets to left and right side of blower (Fig. 1 & 2) using 6 (ea.) #12 x 1/2" screws (SCT#1212).

Fig. 1 (left side)



Fig. 2 (right side)



STEP 2: ATTACH BLOWER WITH BRACKETS

Attach blower with brackets (Fig. 1 & 2) to back of furnace using (4) #12 x 3/4" self-drilling/self-tapping screws (TK 1234). **NOTE:** Insert blower outlet into opening in back of furnace. Blower outlet should extended approx. 1/2" inside of furnace back. With blower in position, install #12 12 x 3/4" self-drilling screws (TK1234). **NOTE:** These types of screws do not require drilling a pilot hole. Use a power drill with a 3/8" hex nut driver bit. Locate pre-existing holes in brackets & side of blower housing.



SECTION 2
DAKA FURNACE MODEL 832FB
— BACK MOUNT INSTRUCTIONS ONLY —

#218 LARGE MULTI-SPEED BLOWER INSTALLATION

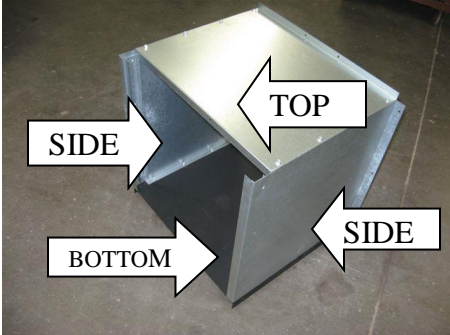


<p>STEP 3:</p> <p>Set bottom plate on edge. Attach filter box side panels to bottom base plate using (8) ea. #12 x 12 screws. These screws are installed through the pre-drilled holes in both the base plate & bottom edge of side panels.</p>	
<p>STEP 4:</p> <p>Attach top panel to side panel of filter box using (8) ea. #12 x 1/2" screws.</p>	
<p>STEP 5:</p> <p>Slide the assembled filter box under the blower housing that is mounted to back of furnace. Center filter box on back of furnace. Use (4) ea. #12 x 3/4" self-drilling/self-tapping screws to attach filter box to back of furnace.</p>	
<p>STEP 6:</p> <p>Place 90° connector <u>nut</u> over wiring harness from blower. Feed the wiring harness from blower motor up & out hole in top panel of filter box. Install 90° conduit connector on the top panel of filter box. Run the wiring harness to the junction box on side of the 832FB furnace wire, according to Diagram shown in Fig. 3 below.</p>	

Fig. 3

