



TJERNLUND PRODUCTS, INC.

1601 Ninth Street • White Bear Lake, MN 55110-6794
PHONE (800) 255-4208 • (651) 426-2993 • FAX (651) 426-9547
Visit our web site • www.tjernlund.com



MODEL DK2 DUCT KIT FOR USE WITH AIRESHARE™ MODEL AS2

READ OWNERS INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.

DESCRIPTION

The DK2 is used for AS2 installations in obstructed wall cavities, where metal studs with wiring knock-outs are used or to conform to energy codes requiring metal ducts. Installs in cut out needed for AS2 blower. Centerline of diffuser in target room is 5" above blower discharge.

DESCRIPTION

1. Determine Aireshare AS2 Blower position and remove drywall for AS2 Blower as shown in AS2 instructions under "Blower Installation" section. **IMPORTANT:** AS2 electrical supply can come from top of wall cavity, but it must enter the bottom of the AS2 Blower cabinet. Also, follow these instructions to locate and install the AS2 Diffuser.
2. Measure from the sub flooring to the top of the AS2 Blower wall cavity opening and note the measurement here _____, (Figure A).
3. Locate the backside of wall cavity in the "Target Room" which AS2 Diffuser will be installed in. **IMPORTANT:** Be sure to locate the correct wall cavity. Add 5" to the measurement recorded in step 2 and record the measurement here _____. Use this measurement and measure up the wall from the sub floor in the Target Room and mark this location. **NOTE:** It may be necessary to make adjustments for the thickness of the floor coverings from one side of the wall to the other, (Figure B).
4. Using a small drill bit, drill a test hole through the drywall in the Target Room at the marked location in step 3, (Figure C).

FIGURE A

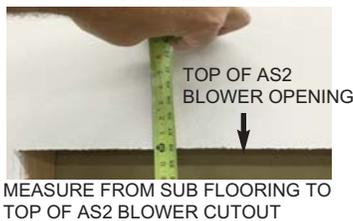


FIGURE B

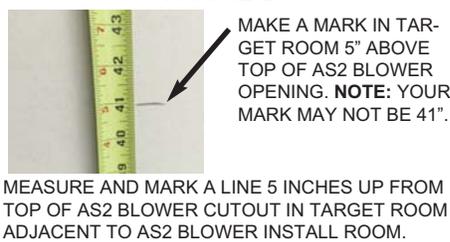


FIGURE C



5. Hand form the tabs on the DK2 as shown. Bend 2 small tabs 90 degrees in. Bend larger holding tab into a U shape down. These tabs hold and locate the DK2 into position with the AS2, (Figure D).
6. Insert the DK2 into the AS2 Blower wall cavity opening created in step 1, (Figure E).
7. Center the DK2 in the wall cavity and slide up into position, (Figure F).

FIGURE D



FIGURE E



FIGURE F



8. Use the U shaped holding tab to temporarily hold the DK2 into position. Use a flashlight if necessary, to verify the small test hole drilled in step 4, (Figure C) lands inside the rectangular AS2 Diffuser opening in the DK2. Adjust accordingly if necessary, (Figure G).
9. Using a drywall saw and the test hole created in Step 4, cut drywall vertically up until the metal edge of the DK2 is contacted, (Figure H).
10. Cut the drywall vertically down until the metal edge of the DK2 is contacted, (Figure I).

FIGURE G



FIGURE H

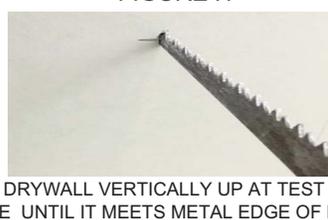
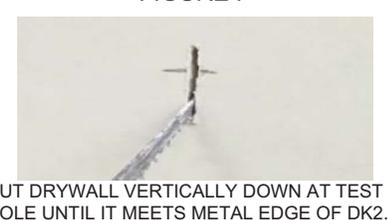


FIGURE I



Now that the opening location for the AS2 Diffuser opening has been identified, remove the DK2 from the wall cavity and clean for reinstallation later.

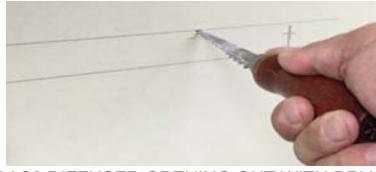
- Using a level, go 1/8" above top of cut made in step 9 and mark a level horizontal line to the studs on each side of the cavity. Using a level, go 1/8" below bottom of cut made in step 10 and mark a level horizontal line, (Figure J). **NOTE:** If studs are spaced greater than 16" o.c., the horizontal cut line should not exceed 14 1/4" and it must align up with DK2 opening for AS2 Diffuser.
- Using a drywall saw, cut the drywall on these lines. End the cuts just before the wall studs on each side of the cavity, (Figure K). **(AS2 Diffuser opening should be a maximum of 1 1/2" high x 14 1/4" wide), (Figure L).**

FIGURE J



MARK HORIZONTAL LEVEL TOP AND BOTTOM LINES FOR AS2 DIFFUSER.

FIGURE K



CUT AS2 DIFFUSER OPENING OUT WITH DRY-WALL SAW. (1-1/2" HIGH BY 14 1/4" WIDE MAX)

FIGURE L



AS2 DIFFUSER OPENING SHOULD BE (1-1/2" HIGH BY 14 1/4" WIDE MAX)

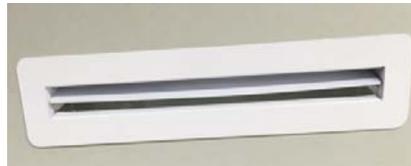
- Clean the wall cavity and surrounding area of drywall pieces and dust. This step is important to ensure proper operation and performance of the AS2 so drywall dust is not distributed throughout the space when the AS2 is in operation. Reinstall the DK2 as shown in steps 6 - 8.
- Insert the AS2 Diffuser into DK2 opening ensuring the scoop on the diffuser points towards the AS2 Blower, (Figure M).
- Ensure the diffuser seats tight against the wall. Make adjustments to the wall opening and diffuser side pressure tabs to ensure a tight and flat fit, (Figure N).

FIGURE M



INSERT DIFFUSER INTO WALL WITH AIR SCOOP POINTING TOWARDS BLOWER.

FIGURE N



ADJUST DIFFUSER SIDE PRESSURE TABS TO ENSURE A TIGHT AND FLAT FIT.

FIGURE O



INSERT AS2 BLOWER IN WALL CAVITY OPENING.

- Insert the AS2 Blower in wall cavity opening, (Figure O).
- Make sure the (2) smaller 90 degree bent tabs in the DK2 feed into the AS2 tab slots located on the right and left side of the Blower, (Figure P).
- With the tabs fully inserted into the slots, form (2) the tabs over with a screw driver. The tabs are formed over to ensure vibration is not produced between the AS2 and the DK2, (Figure Q). Screw the AS2 blower cabinet to wall studs with (4) provided screws.

Complete the wiring and final installation steps following the AS2 installation instructions.

FIGURE P



DK2 TABS MUST BE INSERTED IN AS2 BLOWER CABINET.

FIGURE Q



BEND OVER (2) DK2 TABS IN AS2 BLOWER HOUSING WITH A SCREWDRIVER. SECURE BLOWER CABINET TO WALL STUDS WITH (4) PROVIDED SCREWS.

TJERNLUND LIMITED ONE YEAR WARRANTY

Tjernlund Products, Inc. warrants to the original purchaser of this product that the product will be free from defects due to faulty material or workmanship for a period of (1) year from the date of original purchase or delivery to the original purchaser, whichever is earlier. Remedies under this warranty are limited to repairing or replacing, at our option, any product which shall, within the above stated warranty period, be returned to Tjernlund Products, Inc. at the address listed below, postage prepaid. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF, AND TJERNLUND PRODUCTS, INC. EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THIS PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND NO AGENT IS AUTHORIZED TO ASSUME FOR US ANY LIABILITY ADDITIONAL TO THOSE SET FORTH IN THIS LIMITED WARRANTY. IMPLIED WARRANTIES ARE LIMITED TO THE STATED DURATION OF THIS LIMITED WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so that limitation may not apply to you. In addition, some states do not allow the exclusion or limitation of incidental or consequential damages, so that above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from State to State. Send all inquiries regarding warranty work to Tjernlund Products, Inc. 1601 9th Street, White Bear Lake, MN 55110-6794. Phone (651) 426-2993 • (800) 255-4208 • Fax (651) 426-9547 • Email fanmail@tjfans.com.