

NOTICE TO USER	2
COMPONENTS	2
INSTALLATION	
Steps Overview	3
Step 1– Preparation	3
Step 2– Metal Inlet	3
Step 3– Mark Placement of Track	4
Step 4– Track Suspension	4
Step 5– Inlet Belt to Metal Inlet Collar	6
Step 6– Fabric	6
Step 7– Cross Braces	7
Step 8– Turn on AHU	7
Step 9– Balance Airflow	7
MAINTENANCE	8

NOTICE TO USER

Thank you for purchasing a DuctSox product.

Review materials in box(es). Read and understand all instructions before beginning the installation. Failure to install the DuctSox product properly may void warranty.

Sections of fabric will be labeled, assembled, bagged, and boxed for shipping. Complex systems will include a CAD detail of the system identifying what is in each package.

Products may be covered by one or more patents:
www.ductsox.com/patents

Manufactured by DuctSox Corporation.

COMPONENTS

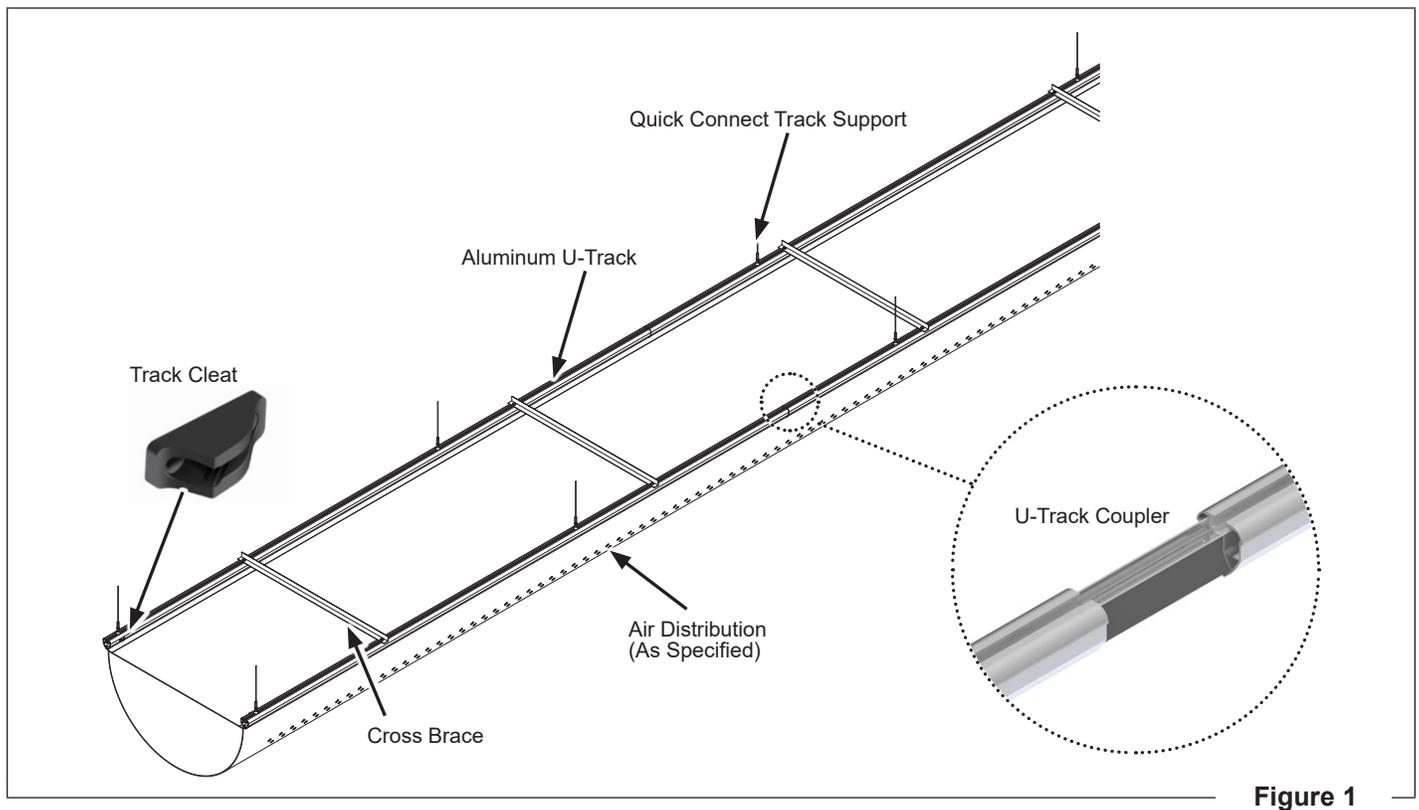


Figure 1

INSTALLATION

Steps Overview

1. Preparation.
2. Prepare metal inlet collar for fabric connection.
3. Mark placement of track.
4. Install track suspension.
5. Install inlet belt to metal inlet collar.
6. Install fabric and tighten track cleats.
7. Install cross braces.
8. Turn on AHU.
9. Balance airflow.

Step 1 – Preparation

Required Tools

Drill
Rivet Gun
Screwdriver
Tape measure
Marker or pencil
Cable Cutter
7/16 in Wrench

Shipping/Receiving

The DuctSox support system could be delivered to the job site ahead of the DuctSox fabric sections. Depending on the size of a project or order, a DuctSox system will be shipped by common courier in a single brown box or several boxes. Larger orders will be shipped in crates by a common freight courier. Each DuctSox length will be packaged into individual plastic bags and labeled according to size and number of pieces. Complex systems may use other markings or labeling.

Verify all boxes are accounted for.

Unpacking

Empty the box(s), examine contents, and verify all pieces are accounted for. Note any missing or damaged pieces listed on the bill of lading.

Labeling

Each DuctSox section will be marked with the size and section number inside the belt of the inlet or on a tag inside the DuctSox (near the zipper). The marking shall be the diameter, section length and total length. If custom labeling has been used, locate an identification sheet that will be included with the delivery.

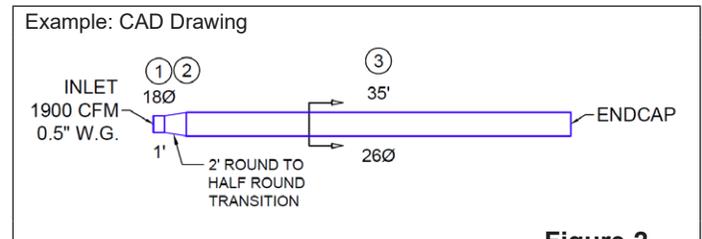


Figure 2

The CAD drawings (supplied) show where the product needs to be hung for the DuctSox system to be installed properly.

Step 2 – Metal Inlet

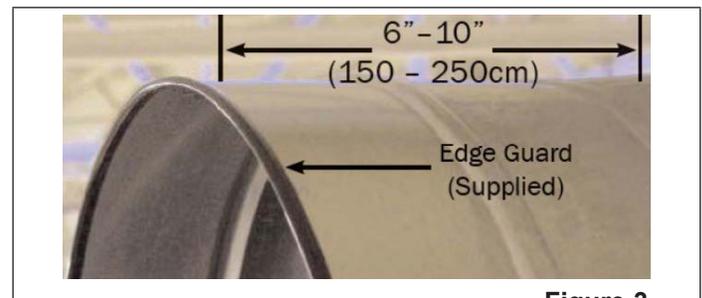


Figure 3

Prepare metal inlet collar for fabric connection:

- Confirm inlet air supply size.
- DuctSox inlets are manufactured 1/2 in (12 mm) larger than specified to fit over metal inlet collar.
- Metal collar length should be 6 in - 10 in (150 cm - 250 cm) for secure fabric attachment.
- Install edge guard (supplied) on the edge of the metal collar to reduce fabric wear from the metal edge.

INSTALLATION

Step 3– Mark Placement of Track

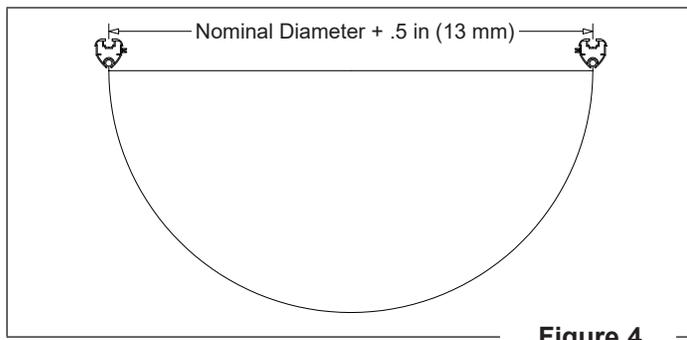


Figure 4

Mark where U-Track needs to be hung.

Width of Track = Nominal Diameter of Half-Round Suspended + .5 in (13 mm)

Example: For a 12 in (305 mm) Half-Round Suspended system, the track will be hung 12.5 in (318 mm) apart on center.

Step 4– Track Suspension

The Half-Round system includes anodized aluminum track (8 ft [2440 mm] sections with radius sections available), couplers, cable drops with quick connect track supports, and cleats.

NOTE: If fittings are used, see CAD drawing provided.

U-Track, Couplers

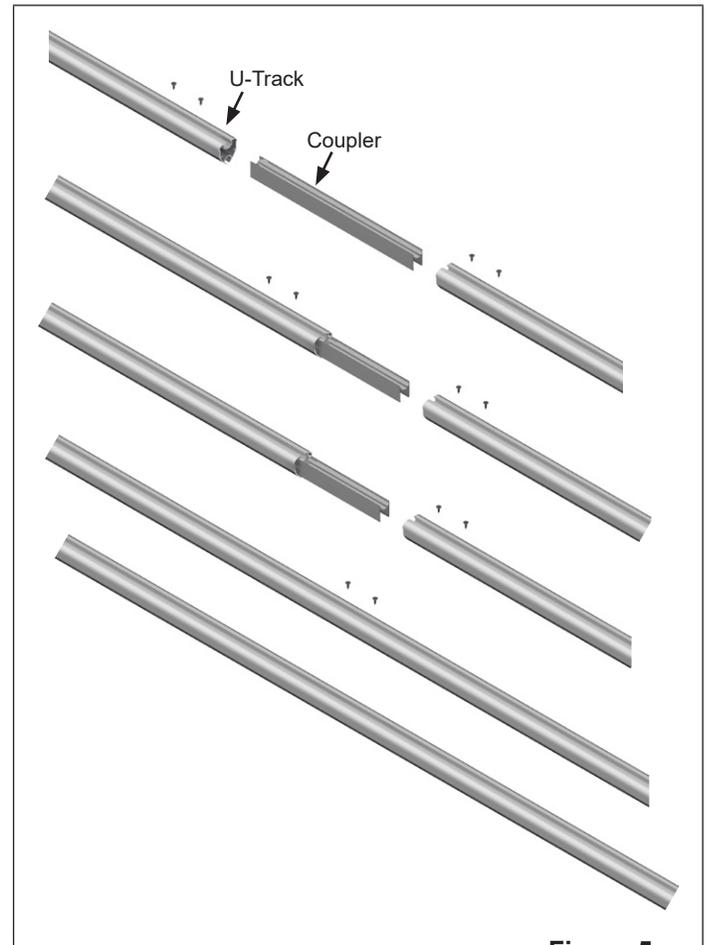


Figure 5

Use couplers to attach multiple pieces of U-Track together.

Align the coupler with the opening in the U-Track. Slide it half way in and screw it in place using the screws (supplied). Slide the next piece of track over the coupler and screw it in place. Repeat as required.

INSTALLATION

Step 4 – Track Suspension *Continued*

Cable Drops

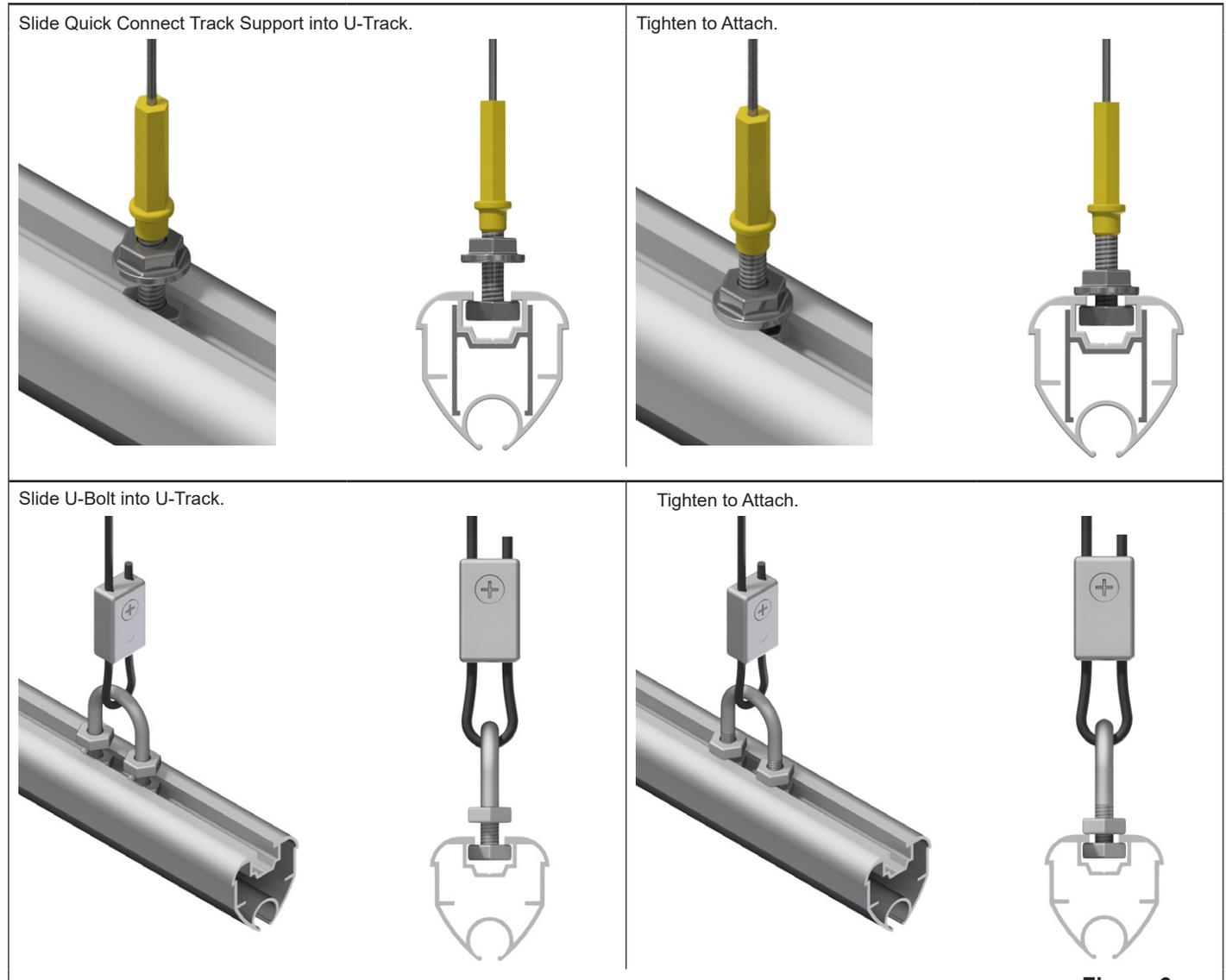


Figure 6

Place cable drops (quick connect track support or U-Bolt) track supports every 4 ft to 8 ft (1219 mm to 2440 mm) along the length of the track.

INSTALLATION

Step 4– Track Suspension *Continued*

Track Cleats

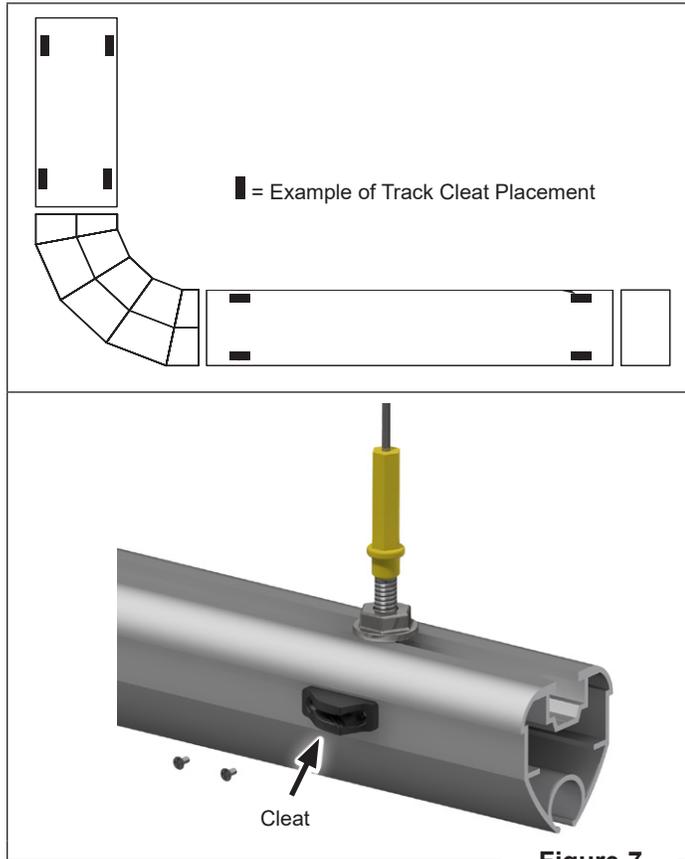


Figure 7

Place the track cleats 2 in (51 mm) from the ends of each straight section on the inside of the track. Screw in place with the long slope of the track cleat pointing towards the center of the run. Philips screws (supplied).

Step 5– Inlet Belt to Metal Inlet Collar

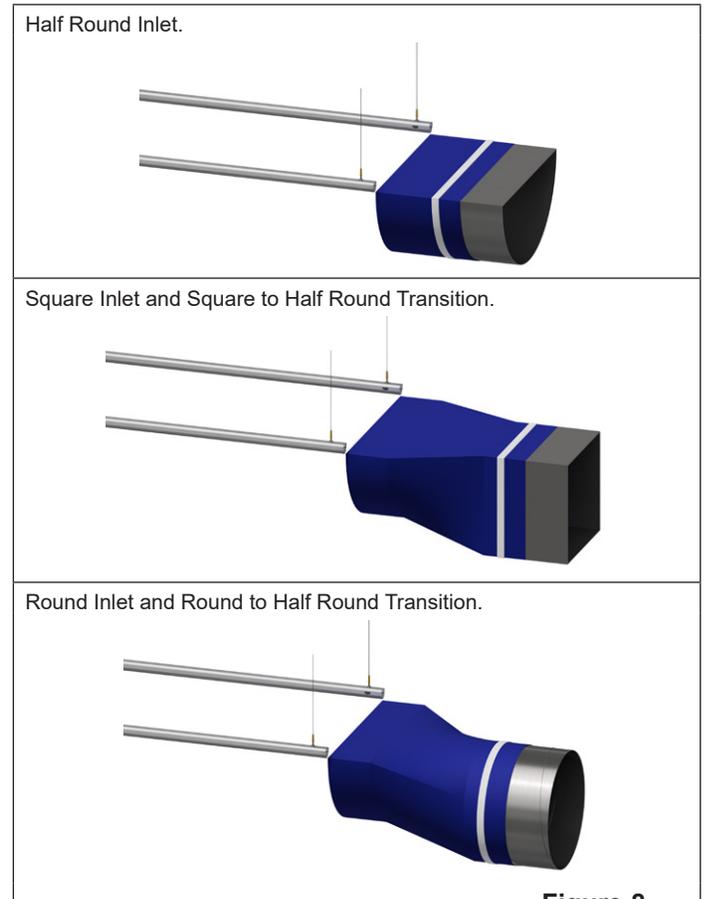


Figure 8

Attach the DuctSox inlet to the metal collar using the belt and buckle. Add screws (supplied by others) through plastic patches on the inlet belt.

If there is a transition, zip it between inlet and half-round DuctSox.

Step 6– Fabric

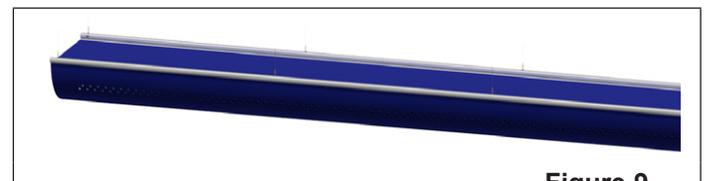
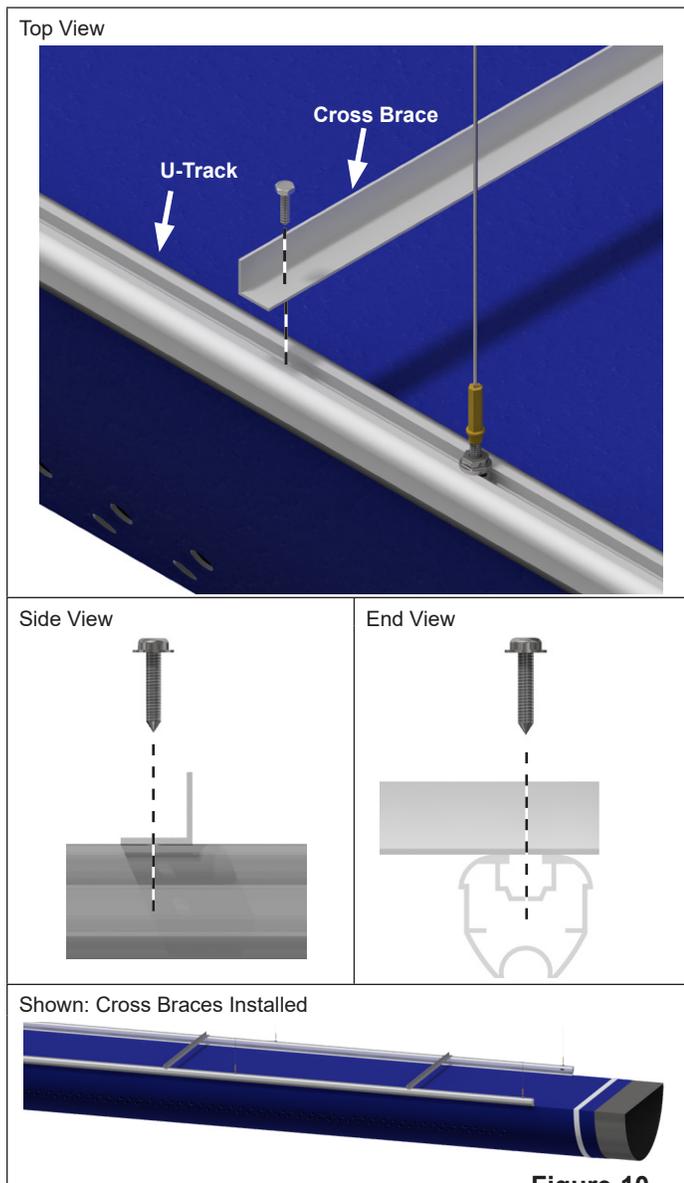


Figure 9

1. Install DuctSox fabric by sliding into U-Track:
 - Uncouple track at start of fitting to install fabric.
 - Work from the inlet towards the endcap.
 - Hang straight runs first, then hang the fittings in between.
2. After fabric is installed, use ropes and track cleats to tighten DuctSox.

INSTALLATION

Step 7 – Cross Braces



Cross braces are spaced 4 ft to 8 ft (1219 mm to 2440 mm) apart, with 2 braces per 8 ft (2440 mm) piece of track.

Set cross brace flat against the top of the U-Track. Use #8 self drilling screws, 3/4 in long (supplied by others) to secure cross braces to the U-Track.

NOTE: #8 self drilling screws, 3/4 in long are required to securely connect the cross braces and protect the fabric from damage.

Step 8 – Turn on AHU

Turn on the AHU and inflate the DuctSox System.

Check all sections to ensure system is inflating properly. If necessary, adjust to eliminate puckering at binding locations.

If lengths do not fit properly, double check all field measurements and compare to drawings. If all measurements are correct, contact your DuctSox factory representative to discuss options.

Step 9 – Balance Airflow

System must be balanced to design CFM and static pressure immediately after installation.

Most DuctSox Systems include a zipper at the inlet location for easy access to monitor air flow.

If the fabric is fluttering after balancing, contact your DuctSox factory representative for solutions to create a less turbulent airflow (adjusting the Adjustable Flow Device [AFD], adding AFDs, etc).

MAINTENANCE

Launder fabric (Sedona-Xm, TufTex, Verona, DuraTex, Microbe-X, Rx, and Stat-X):

1. Record where each section that will be laundered is installed.
2. Unzip all sections and remove the DuctSox fabric from your system. Launder with the most soiled side facing out.
3. Soak in cold water for 30 minutes.
4. Wash cold, gentle cycle.
5. Rinse thoroughly. Repeat laundering steps if water/DuctSox is still soiled.
6. Drip dry or no-heat tumble dry.

CUSTOMER SERVICE

DUCTSOX WORLD HEADQUARTERS

4343 Chavenelle Road
Dubuque, Iowa 52002

 563-588-5300