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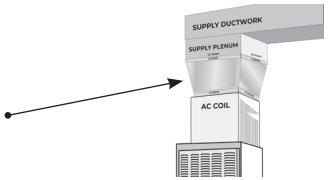
FURNACE/COIL to PLENUM TRANSITION KIT

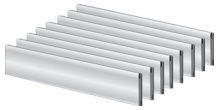


This Instruction sheet will show you how to install the metal transition between your new Furnace/AC Coil and your existing ductwork supply plenum. The kit is also needed to bridge the gap distance in height as well as length if adding a new AC coil to the supply plenum.

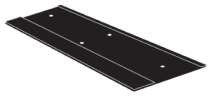
Included in the Plenum Transition KIT:

(4) Sheet Metal (each 26" x 14")

(8) S-Drives



(1) 12" Sheet Bender



(40) Sheet Metal Screws

(1) Sheet Metal Screw Bit

Tools needed:

(1) Flathead Screwdriver or Screwgun

(1) Hammer or Rubber Mallet

(1) Pliers

(1) Sheet Metal Snips

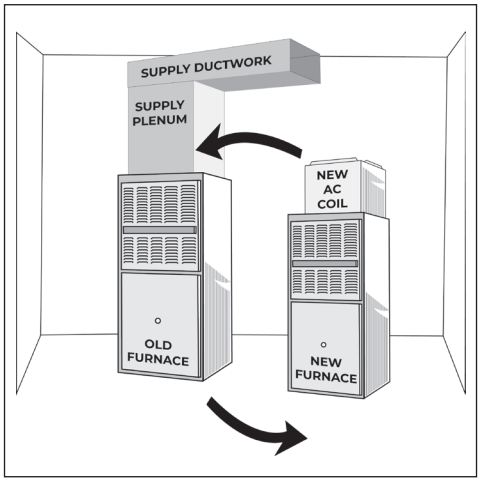
(1) Straight Edge

(1) Measuring Tape or Ruler

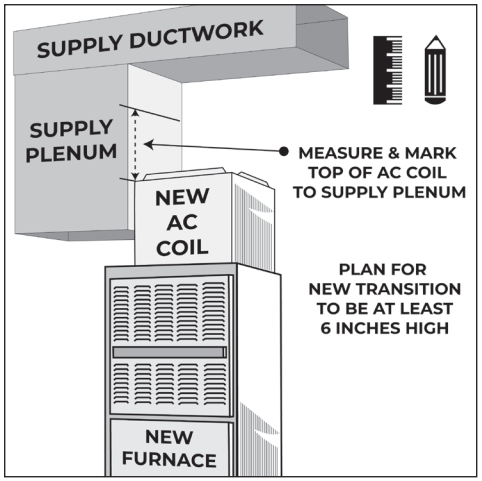
WARNING :

DO NOT ATTEMPT TO INSTALL FURNACE PIPING/VENTING OR OTHER DANGEROUS EQUIPMENT IF YOU ARE NOT A CERTIFIED PROFESSIONAL.

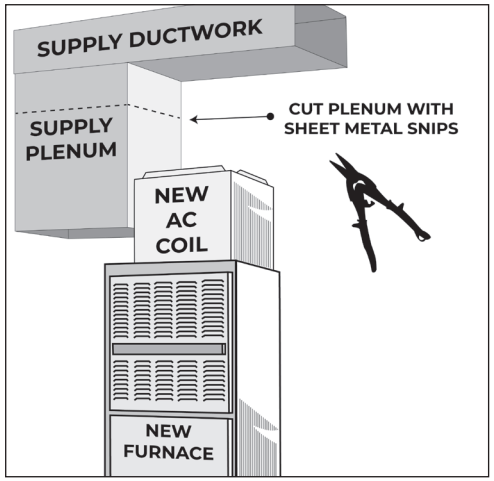
IMPORTANT: The furnace and AC coil installion should be completed by a licensed and experienced professional HVAC Installer. For safety, ALL venting or gas pipe work must be completed by a trained and experienced installer in this type of work, observing all local codes. **Also be sure to wear safety glass and gloves when handling the sharp edges of the sheet metal.**



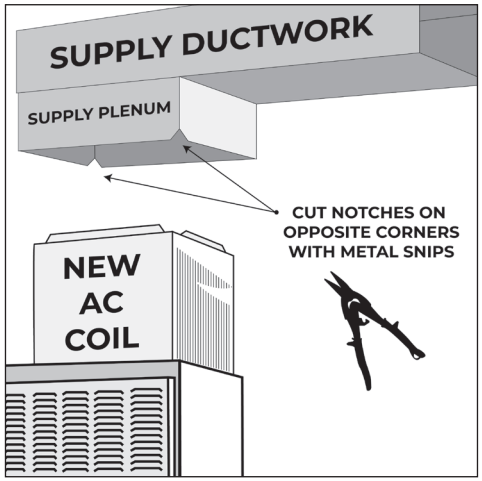
STEP 1 Remove old furnace and move the new furnace and air conditioner coil (AC Coil) next to the supply plenum.



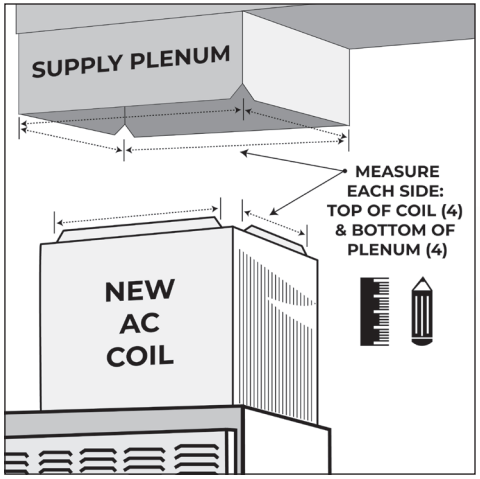
STEP 2 Measure distance from the top of the AC Coil to the supply plenum, adding extra height for a 6-inch minimum transition height. The maximum height is 14 inches.



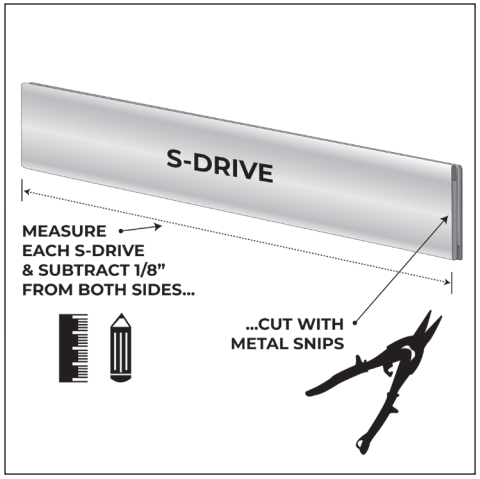
STEP 3 With sheet metal snips, cut the excess plenum to fit the new equipment. Center the equipment into place under the supply plenum.



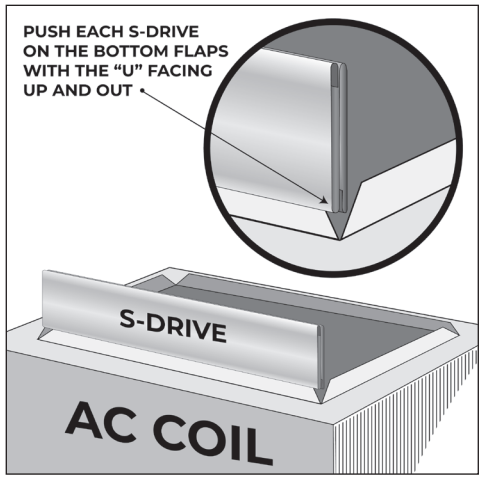
STEP 4 Notch (cut a small triangle) on 2 opposite corners with the metal snips the height of a single S-Drive or about 1.5 inch heigh. This aids in sliding the S-Drives into place in later steps.



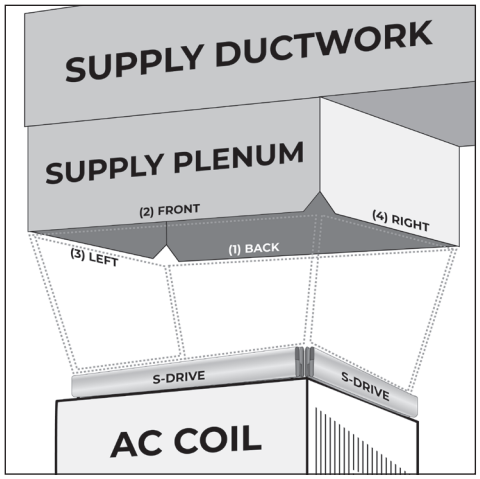
STEP 5 Measure the length of each edge for both the top of the AC coil and the bottom of the supply plenum. The 8 S-Drives will be fitted on these edges to hold the sheet metal.



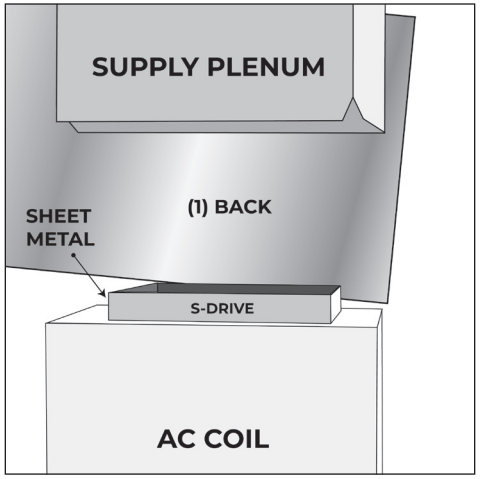
STEP 6 When cutting each S-Drive, subtract 1/8 inch from each side for allowance on the corner joints. **NOTE**: The metal snips may crush the ends. Use a screwdriver to gently open.



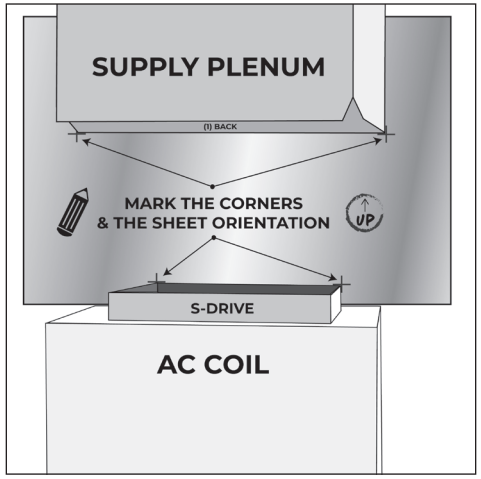
STEP 7 Place each S-Drive on the lip on top of the new AC coil, as shown. Repeat for all 4 sides along the bottom with the "U" shaped channel on the outside for each side.



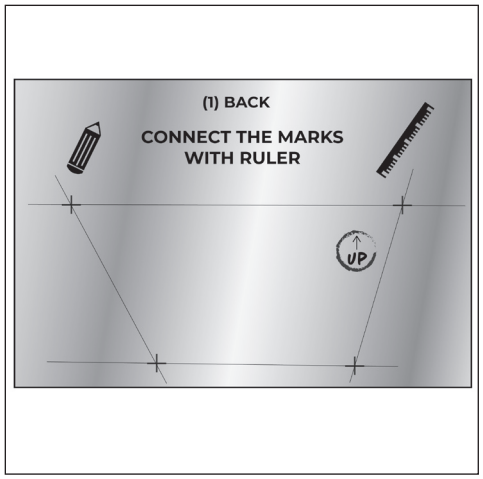
STEP 8 Prepare to measure the sheet-metal sides by noting the (1) back, followed by the (2) front. Then the (3) left side, finishing with the (4) right side.



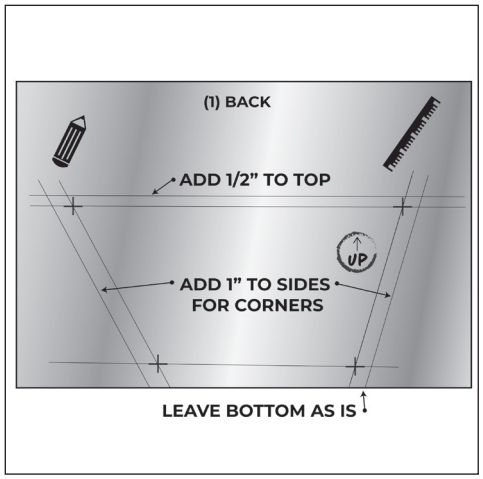
STEP 9 Starting with the back of the AC coil, place a piece of sheet metal from the kit centered and upright, resting on the top of the coil.



STEP 10 Mark the 4 corners, both vertically and horizontally where the sheet metal will intersect with the furnace and supply plenum. Be sure to mark the orientation of the sheet metal so when it's take down for cutting, it goes back facing the same direction.



STEP 11 Draw a straight line from each corner mark to form a box.



STEP 12 Add an additional 1" to the sides and 1/2" to the top to allow for corner overlaps. Leave the bottom line as is.

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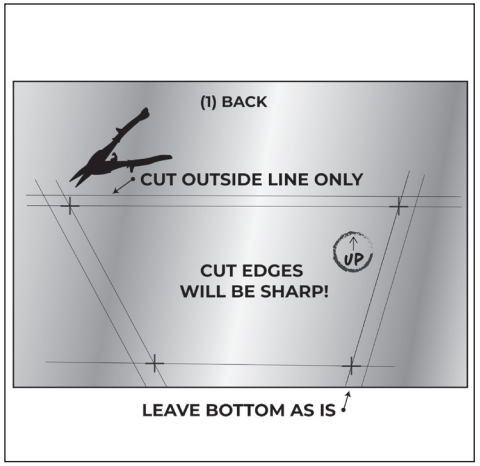
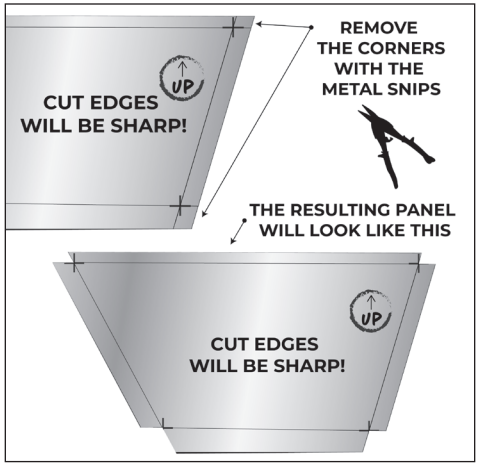
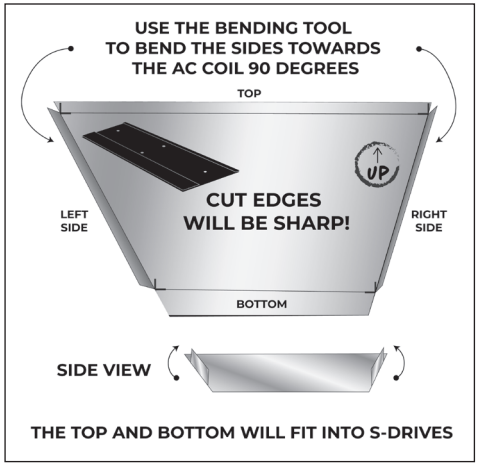


STEP 13
With the metal shears, cut along the outside lines along the sides and top. Do not cut the bottom line!

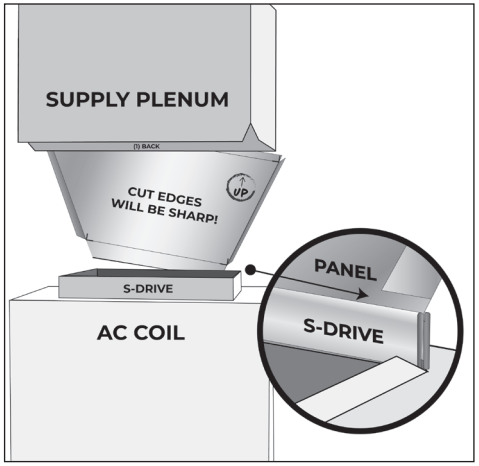
CAUTION: The cut metal edges are sharp! Wear gloves to protect hands.



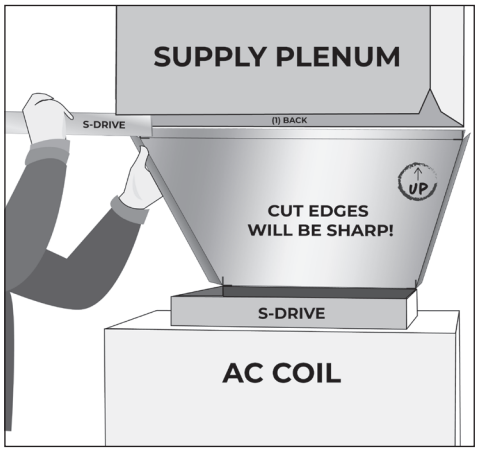
STEP 14
The last cuts are the notches from the 4 corners. Simply cut out the square that remains in each corner.



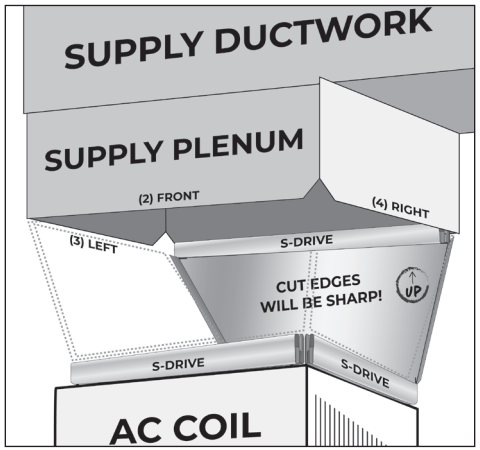
STEP 15
Using the included 12 inch sheet metal bending tool, bend the sides up 90° inwards towards the AC coil.



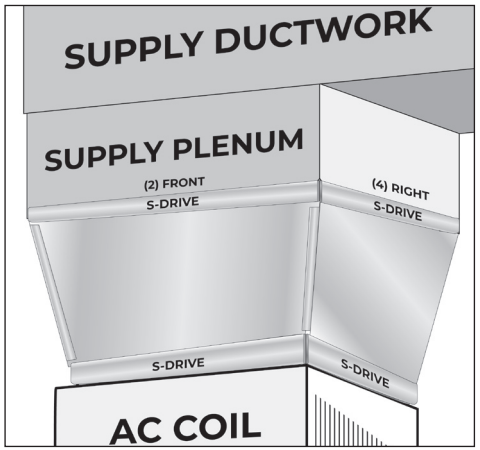
STEP 16
Slide the bottom of the cut panel into the bottom S-Drive on the back of the AC coil.



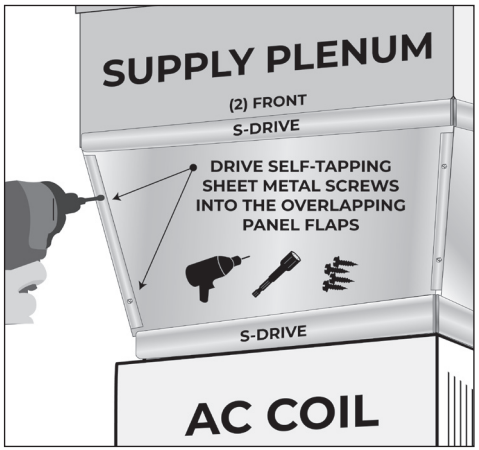
STEP 17
Slide the top S-Drive into the top from the side. Gently tap the S-Drive into position with a hammer or mallet if necessary.



STEP 18
Continue with the (2) Front next, followed by the (3) left side, finishing with the (4) right side, **repeating STEPS 9 to 17 for each side.**



STEP 19
As each completed panel is assembled, be sure to lay the side piece flaps over the front and back panel flaps, for a proper seal.



STEP 20
Using the sheet metal screws and a screw gun, drive 2 self tapping screws into each of the overlapping side seams.

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STEP 21
To complete the install, seal all the corners with silicon sealant or foil tape. Your AC coil to plenum transition kit is installed and complete!