

Installation Instructions for 30" Diameter Infused Split Columns:

For joining the column halves together, we recommend PL Premium Advanced construction adhesive. We recommend polyester resin based automotive body filler (not supplied), such as Bondo™ brand automotive body filler, for final cosmetic blending. Use an abrasive blade to trim the shaft and composite neck ring.

1. Measure the exact height at the location the column is to be installed.
2. Transfer this measurement to the column. Any excess must be trimmed from the bottom of the column.
3. Install two L-brackets on each side of each column half, top and bottom. Pre-drill the column, attach angle brackets using through-bolts and secure with washers and nuts.
4. Pre-drill and countersink pilot holes at each stiffening band about 1" from the plain edge of the column half. Countersink just enough to allow the screw head to be flush with or just under the column surface.
5. Trim the bottom of each column half to the correct length.
6. Install the column halves around the existing support. Carefully align the two halves together. Loosely install several nylon straps around the column halves to assist in securing the column halves. One half of the column may now be secured to the top and bottom surfaces using the L brackets.
7. Shift the remaining column half a few inches, allowing enough clearance to apply two beads of PL Premium Advanced construction adhesive to each flange. Apply two 3/16" diameter beads of adhesive.
8. Work quickly with enough help to fully assemble the column within a 30 minute period. Cure time will vary with temperature and humidity. Higher temperatures and humidity will accelerate the cure.
9. Bring the column halves together and install the self-drilling screws to secure the joint. Be sure the column halves are in position from top to bottom. Scrape off any excess adhesive.
10. Follow the body filler manufacturer's mixing recommendations. Work the body filler into the joints with a plastic body filler spreader or piece of thin plastic. Feather out the body filler to cover the screw heads, maintaining the radius of the column. The body filler will probably be several inches wide when complete.
11. After all of the body filler has cured, sand the joints smooth with sandpaper. If necessary, fill any low spots with body filler. Sand again until smooth.
12. Apply PL Premium Advanced construction adhesive to the top of the capital sections. Several ratchet straps may be used to hold the two sections together. Push the cap up against the ceiling surface being careful to align the square portion of the capital to the surface. Attach the capital with sufficiently long screws to securely hold the capital in position. Reinforcement blocks are positioned inside the corners for assembly with screws to secure the two halves. Apply construction adhesive to the flanges and the bottom of the base sections. Secure base sections with ratchet straps. Push the base down against the floor surface being careful to align the square portion of the base to the surface.
13. Install neck ring using adhesive and 1-3/4" self-drilling screws provided. See pictures 7-15.
14. Caulk the joint between the cap and the column shaft and the joint between the base and the shaft.
15. Column must be painted. Sand to remove all glossy areas. We recommend using a high quality primer and topcoat paint. Remove all dust and dirt before painting by thoroughly cleaning with a cleaner like Simple Green. Allow to dry completely before priming.



1) Box contents- neck rings, adhesive, screws.



4) Mix body filler (not supplied) according to manufacture's instructions and apply to joint. Make joint wide enough to make a smooth radius.



2) After trimming column sections to fit, apply adhesive to joints.



5) Smooth the body filler into a smooth radius using a thin sheet of plastic. You may have limited working time after catalyzing the body filler. Do not try to patch too large an area.



3) Countersink and install screws at each reinforced rib, using provided self-drilling 1" screws.



6) Sand cured body filler. For best results, use care when sanding to maintain an even radius. Finish with 120 grit paper.



7) Draw a line around the top of the column 16" down from the top of the column. This is the suggested location for the bottom of the neck ring.



10) After installing the two screws in the center of the part, install the last two screws at the ends of the part. This sequence will result in a better fit.



8) Apply adhesive to the trimmed neck ring half as shown above.



11) Scrape off any excess adhesive.



9) Using the 1-3/4" self-drilling screws, install the first neck ring half to the column, lining up the line to the bottom of the neck ring.



12) Hold the untrimmed neck ring half in position so it can be marked for proper fit.



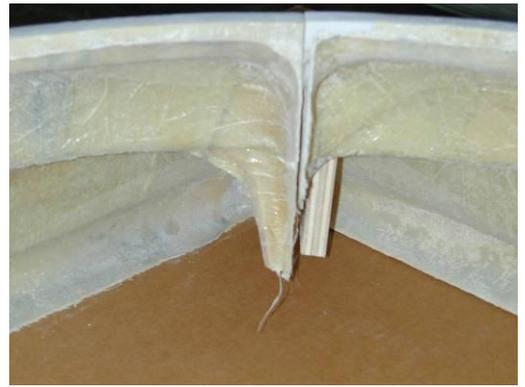
13) Mark with a straight edge for best fit.



15) Apply a bead of good paintable exterior chalk at the top and bottom joint where the neck ring joins the column. Smooth bead for proper appearance.



Use an abrasive or diamond saw to cut neck ring.



Location of reinforcing plywood blocks inside cap and base for screw installation.



14) Check fit and install the second neck ring half with adhesive and screws.



Use long enough screws to secure to plywood on the inside of the other cap or base half.