

VB2 / VB2HD

Vinyl Vibration Damping Sheet

Tools Required for Installation:

- Heatgun
- X-acto knife

Tools Required for Surface Preparation

- Warm, soapy water
- Clean hand towels
- Aerosol glass cleaner (i.e. Sprayway)

Important Install Tips

- 1) VB2 / VB2HD is always applied first! Thermal control compounds such as TG-1 ThermaGuard are installed after VB2 or VB2HD has been installed.
- 2) Leave one door intact, remove the panel but leave the linkages, harnesses and anything else in place to use a reference while you are working on the opposite door.
- 2) TAKE YOUR TIME! Make the surface look as if it were dipped in plastic to ensure maximum performance from the damping material.

Before Application of VB2 / VB2HD

- 1) Please make sure that the surface to be treated is as clean as possible.
- 2) Wash the surface with warm, soapy water to remove any dirt and debris and then dry with a clean towel.
- 3) CAE recommends cleaning the surface for a final time with an ammonia based, aerosol glass cleaner to remove any remaining wax, oil or grease from the surface to be treated.

Application of VB2 / VB2HD

- 1) To determine the proper dimensions of the material to be installed, use the door panel or interior panel (if available) as a template.
- 2) After rolling the VB2 / VB2HD product out flat, place the interior panel on top of the sheet (black side) and scribe a line around the panel and onto the damping sheet. Then, proceed to cut 1/4" in from the scribe line. This will ensure that excess material does not extend out from behind the interior panel once the interior panels have been reinstalled.
- 3) Measure and note the locations of wire harnesses or linkages and where they will pass through the damping sheet. Mark the locations on the VB2 / VB2HD material. Cut the openings for these components using a 1" holesaw and drill set in the reverse position. Cutting in reverse will produce a clean cut and prevent tearing of the VB2 / VB2HD product.
- 4) Transfer the sheet to the door.
- 5) Pull down the white release liner paper approximately 3" and position the sheet centered directly on the door surface.
- 6) Using your palm, bond the sheet to the door all the way across the top. Use a heat gun to allow the material to mold and conform to any irregular surface that may be present.
- 7) Continue to install the sheet, by hand, pulling the release liner down 4" to 6" at a time and working from the top of the door down and from the center to the outside edges. Work on small sections at a time (6" x 6"). Again, a heat gun will allow the material to stretch and conform to an irregular surface.



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Application of VB2 / VB2HD (Cont).

Continued from page 1

- 8) Any pockets of trapped air are easily removed. Using your X-Acto knife, make a small hole at the edge of the bubble, heat slightly with the heat gun and then use your fingers to force the trapped air out of the hole.
- 9) The material will stretch and there will be excess at the bottom. Using the opposite door as a reference, estimate how much will have to be trimmed off of the bottom before it is bonded to the surface of the door.
- 10) If you have covered any of the door panel fastener mounting holes, carefully cut out the excess material directly over the opening.
- 11) Excess VB2 may be used to tape down wire harnesses if necessary. Be sure to clean the surface with an aerosol glass cleaner prior to application of the VB2 tape strips.



Painting VB2/ VB2HD

- 1) Painting should be done in a well ventilated space.
- 2) Use proper taping techniques to contain paint over spray.
- 3) Clean the surface of the VB2 / VB2HD with an aerosol glass cleaner (i.e. Sprayway) to remove any contaminates that may remain after the installation process.
- 4) An adhesion promoter is not necessary. The vinyl material is ready to paint after it has been properly cleaned.



Removing VB2 / VB2HD

- 1) A heat gun may be required to remove the vinyl damping material.
- 2) The acrylic adhesive layer will separate from the vinyl and remain on the surface. The best method of removing the adhesive layer is to wipe the adhesive off with a cloth soaked with WD-40 brand lubricant.



Other Uses for VB2 / VB2HD

- Create raised graphics under upholstery
- Damp CD transports



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