
Body - Overview

Insulation

Insulation is used as a sound-deadener to reduce exterior road and powertrain noises from the interior of the vehicle. Mastic insulators are also used as insulation. Insulation is installed:

- under the roof.
- above and below the instrument panel.
- at the cowl side panels.
- over the front and rear floorpans.
- inside the B-, C- and D-pillar sections.
- on the wheelhouse/quarter panel.
- behind the rear quarter trim panel.

Other forms of insulation include:

- front tunnel stiffening pad.
- dash panel stiffener.
- rear wheelhouse mastic pads.

It has heat-bonded mastic deadeners for improved NVH characteristics.

It also has sound dampeners located inside the D-pillar and plug holes in the inner rear quarter.

Body Sealer Types and Applications

Seam Sealer

- heavy-bodied, non-sag adhesive/sealer used on standing cosmetic seams, truck bed seams, tooled door skin seams and floorpans.
- can be used on water leaks and noise concerns.

Silicone Gasket and Sealant

- form-in-place gasket and multi-purpose adhesive/sealant.
- room temperature curing silicone rubber.

Silicone Spray Lubricant

- keeps the door and window weatherstrip pliable and soft.
- makes the door easier to close.
- retards weatherstrip squeaks.
- retards weatherstrip wear.
- helps retain door window alignment by reducing friction between the glass frame and the rubber weatherstrip.
- should not be used prior to painting.

Trim and Weatherstrip Adhesive

- quick drying, strong adhesive designed to hold weatherstripping onto all body panels and surrounding metal.

