

2022 CHEVROLET CORVETTE SERVICE MANUAL

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Anti-Corrosion Treatment and Repair

Corrosion Preventative Paint (Chassis Coating) and Primer Coatings

Note:

Always use these products according to their manufacturer's recommendations. Corrosion Resistant paint and primers will only function properly when mixed properly and when applied to a properly prepared metal surface. Always follow paint manufacturers recommendations for application and use of Corrosion Preventative Paint Products.

Corrosion Preventative Primers are also referred to as Direct to Metal or DTM primers. Extensive testing is done for corrosion resistance and adhesion of these products. Most paint manufacturers require a bare metal treatment chemical first be applied before the paint or primer product is applied. These coatings are very important to providing a properly prepared metal surface for the paint or primer to perform properly. The GM Approved Primers are listed in the GM Approved Refinish Materials book. The latest revision of the GM Approved Refinish Materials booklet is located on the GM Genuine Parts website at www.genuinegmparts.com.

Corrosion Preventative Paint Products are recommended for under-carriage areas like frames, drive line and suspension components that often show corrosion and need to be painted in the field. Any place where bare metal is exposed for any reason or where corrosion prevention is desired from a paint like product that will not likely be top coated with color can use this Corrosion Preventative Paint. A Phosphate metal treatment MUST be applied to the cleaned and dried surface that is free of corrosion scale. This Phosphate prep works well on both Aluminum and steel. While sandblasting can be performed for corrosion removal, it is not necessary for these products to work properly. Application of this product must be performed to Manufacturer's recommendations for them to work properly. See product listing below for Corrosion Preventative Paint Products.

Stock number	Type	Description
36500 or 36502	Kryptonite Solvent Based Chassis Coating	Solvent based rust protective coating for all areas of under vehicle corrosion protection on aluminum and steel.
25418	Pure Prep Phosphate Metal Treatment	Phosphate bare metal treatment for metal preparation of clean or oxidized metal surfaces, areas of under vehicle corrosion protection on aluminum and steel

Undercoating and Closed Cavity Coatings

Warning:

When applying sound deadeners, or anti-corrosion materials due care and preventative measures must be exercised to prevent any material from being sprayed into door and quarter panel mechanisms such as door locks, window run channels, window regulators and seat belt retractors, as well as any moving or rotating mechanical or suspension parts on the underbody, particularly the parking brake cable. After material application, be sure that all body drain holes are open. Improper application may increase chance of corrosion damage or limit the operation of moving parts, resulting in personal injury.

Any procedure that disturbs these special treatments, such as panel replacement or collision damage repair operations, may leave the metal unprotected and result in corrosion. Proper recoating of these surfaces with service-type anti-corrosion material is essential.

After repair and/or replacement parts are installed, all accessible bare metal surfaces must be treated with metal conditioner and re-primed. Refer to the GM Approved Refinish Materials book which identifies the paint systems you may use.

The latest revision of the GM Approved Refinish Materials booklet is located on the GM Genuine Parts website at www.genuinegmparts.com.

After a collision, some vehicle structure areas such as frame rails, cross-members and rocker panel sections may need to be repaired. In most cases, the anti-corrosion materials need to be removed to perform these repairs. These materials are classified into two types: Closed Cavity coatings and Undercoat coatings. The primary difference is the way the products set up or "dry". Both are intended to protect the surface they are applied to from corrosion caused by water, salt water or Magnesium Chloride blended de-icing compounds used to thaw icy winter roads. They also can provide a measure of sound deadening.

The Closed Cavity coatings remain sticky to the touch and will seep into seams initially and over extended periods of time. Closed Cavity coatings