

Driving the Power of 3M Innovation into Every Repair



Everyday, engineers and technicians around the world choose 3M products as the best solution for their manufacturing and repair needs. From Specifications and Endorsements to Service Bulletins and Recall Notices, 3M is proud to be a trusted partner of the Automotive Industry.

Here's just one example...



Reference Information

Organization: Toyota Motor Corporation

Document

Type: Collision Repair Information Bulletin
Name: ANTI-CORROSION TREATMENT
Number: Bulletin #082
Issued: December 1997

Description

Vehicles: ALL MODELS

Purpose: To prevent corrosion and reduce interior noise when replacing body panels, always apply corrosion inhibiting and sound dampening materials such as body sealer, cavity wax, undercoating and body foam according to Toyota recommendations.

These recommendations can be found in the Anti-Rust Treatment (AR) section of the model specific Repair Manual for Collision Damage publication. Collision repair manuals can be obtained through a Toyota dealership parts department.

Note: *3M provides this information for REFERENCE ONLY. ALWAYS refer to the original document or the OEM-provided model-specific collision damage repair manuals for complete instructions.*

3M Products:

Included:	PN08892	3M™ Rust-Fighter-I, Aerosol	PN08307	3M™ Self Leveling Seam Sealer
	PN08891	3M™ Rust-Fighter-I, Quart	PN08308	3M™ Heavy Bodied Seam Sealer
	PN08883	3M™ Rubberized Undercoating	PN08360	3M™ Urethane Seam Sealer
	PN08864	3M™ Body Schutz™ Rubberized Coating	PN08367	3M™ Urethane Seam Sealer
	PN08463	3M™ Flexible Foam	PN05917	3M™ Weld-Thru II

Note: *In some cases, 3M may offer an alternate part number (different size/color) with the same chemistry and/or performance as the included product. Please consult your 3M Representative for more information.*

Product Use:

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer:

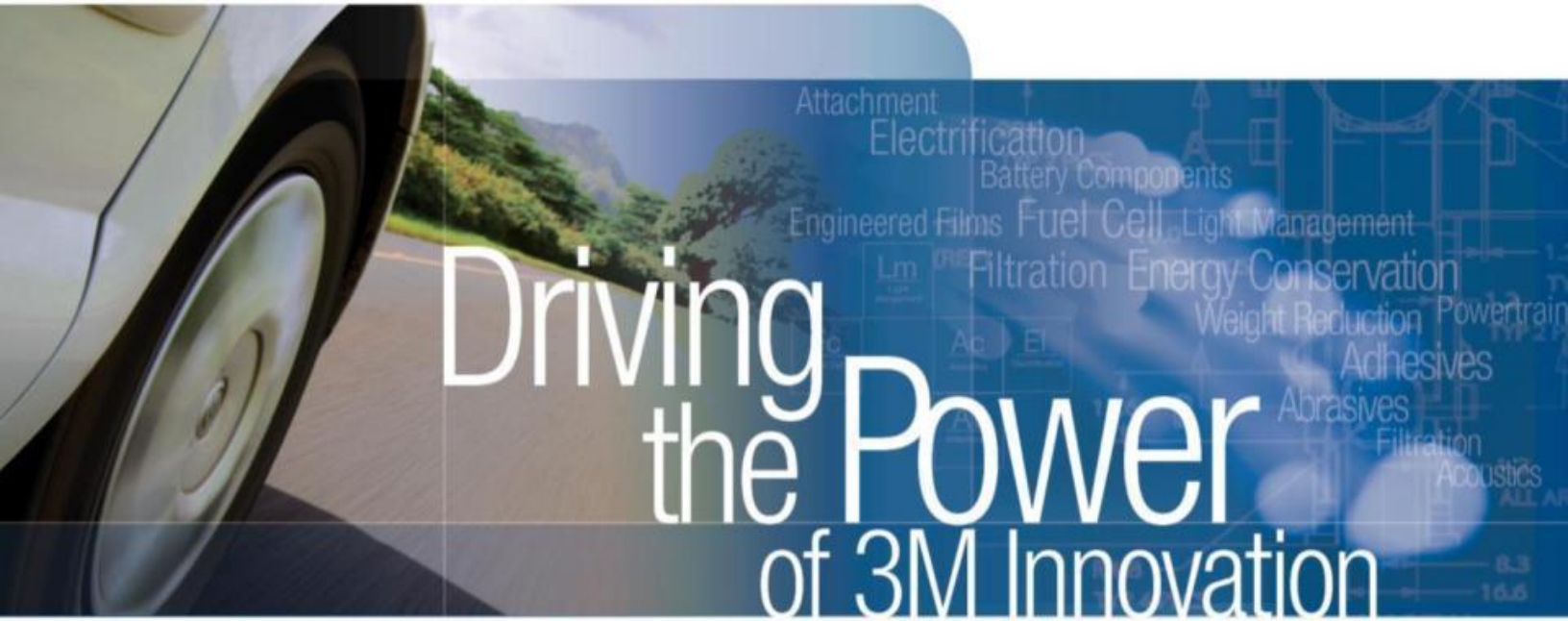
Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability:

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

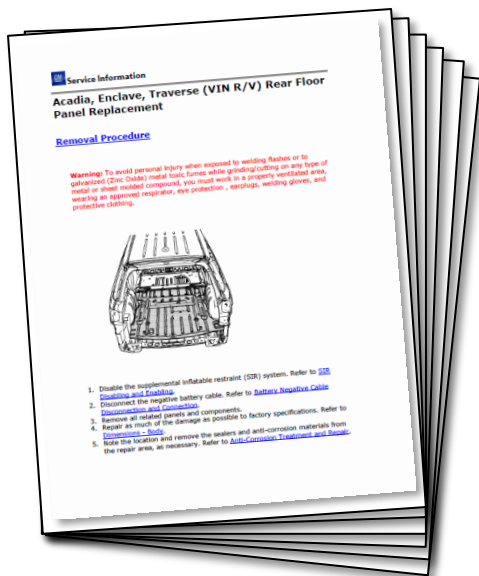
3M Automotive Aftermarket Division

Third Party Recommendations, Approvals, & Endorsements



Driving the Power of 3M Innovation

into Every Repair



Everyday, engineers and technicians around the world choose 3M products as the best solution for their manufacturing and repair needs. From Specifications and Endorsements to Service Bulletins and Recall Notices, 3M is proud to be a trusted partner of the Automotive Industry.

Here's just one example...



Reference Information

Organization: General Motors Company

Document

Type: Service Information
Name: Acadia/Enclave/Traverse (VIN R/V) Rear Floor Panel Replacement
Number: N/A
Issued: 2010

Description

Vehicles: 2009-2012 Acadia
2009-2012 Enclave
2009-2012 Traverse

Purpose: This bulletin includes the replacement procedure for the rear floor panel.

Note: 3M provides this information for REFERENCE ONLY.
ALWAYS refer to the original document or the OEM-provided model-specific collision damage repair manuals for complete instructions.

3M Products:

Included: PN05917 3M™ Weld-Thru Coating II

Note: In some cases, 3M may offer an alternate part number (different size/color) with the same chemistry and/or performance as the included product. Please consult your 3M Representative for more information.

Product Use:

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer:

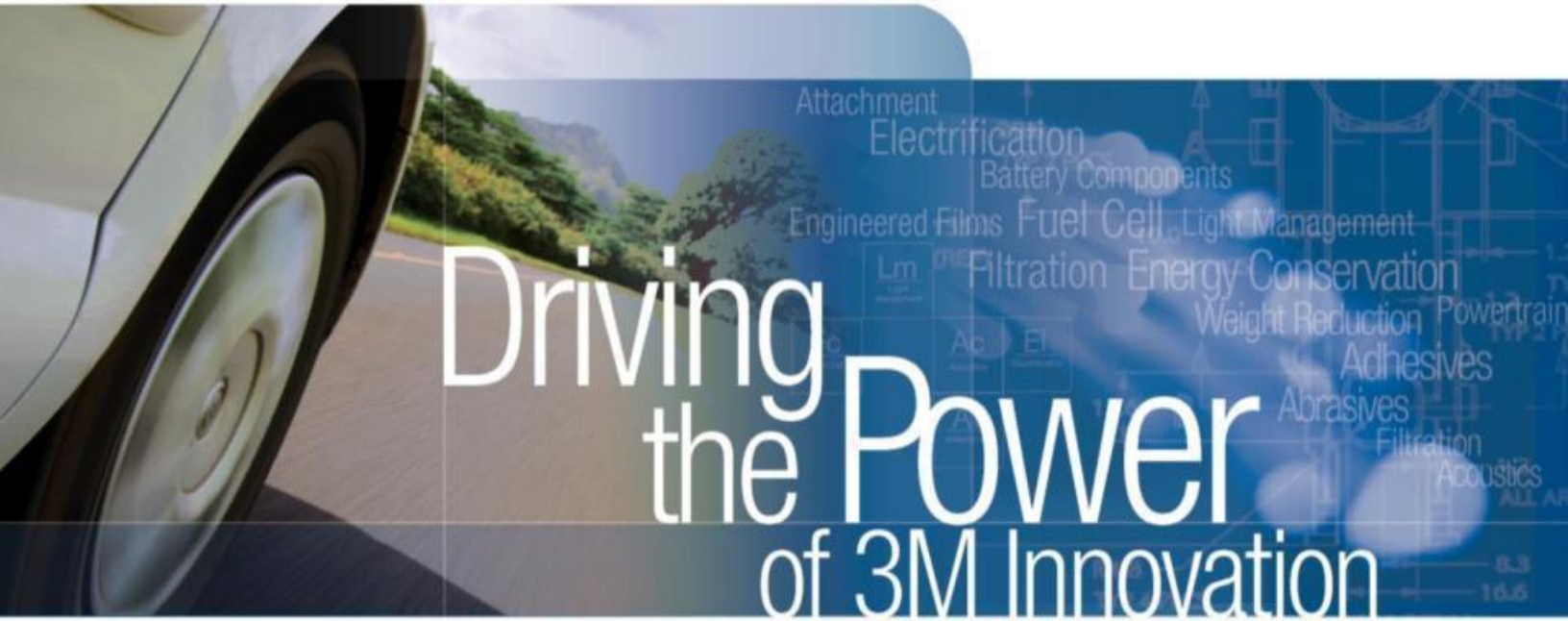
Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability:

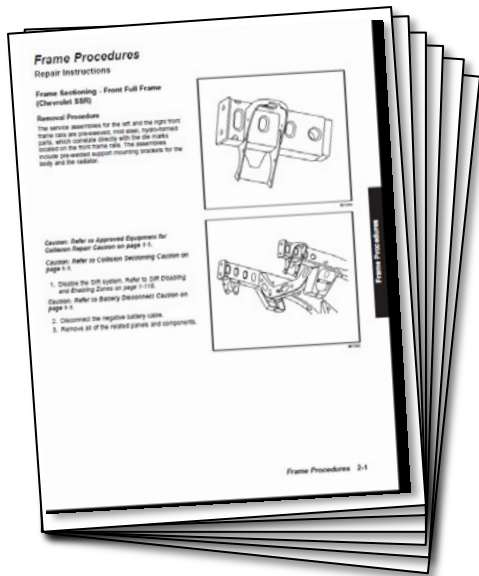
Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Automotive Aftermarket Division

Third Party Recommendations, Approvals, & Endorsements



Driving the Power of 3M Innovation into Every Repair



Everyday, engineers and technicians around the world choose 3M products as the best solution for their manufacturing and repair needs. From Specifications and Endorsements to Service Bulletins and Recall Notices, 3M is proud to be a trusted partner of the Automotive Industry.

Here's just one example...



Reference Information

Organization: General Motors Company

Document

Type: Repair Instructions
Name: Frame Sectioning—Front Full Frame
Number: N/A
Issued: September 18, 2004

Description

Vehicles:	ALL	Chevrolet SSR	2000-2009	Full size utility
	2002-2009	Mid size utility (except S/T models)	2005-2009	Chevrolet Corvette
	1999-2009	Full size pickup	2004-2009	Cadillac XLR

Purpose: This bulletin covers frame procedures for various models, including frame sectioning, front rail end crush cap replacement, rear frame module replacement, bracket replacement, front rail end replacement, and rear rail end replacement.

Note: 3M provides this information for REFERENCE ONLY. ALWAYS refer to the original document or the OEM-provided model-specific collision damage repair manuals for complete instructions.

3M Products:

Included: PN05917 3M™ Weld-Thru Coating II

Note: In some cases, 3M may offer an alternate part number (different size/color) with the same chemistry and/or performance as the included product. Please consult your 3M Representative for more information.

Product Use:

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer:

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability:

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



Document Library
Technical Data Sheet 05917

Public

Rev:3

Effective: 07/07/2005

Status: Active

3M™ Weld-Thru II

Data Sheet

3M Part No.(s)	3M Part Descriptor(s)
05917	3M™ Weld-Thru II

3M Fax on Demand Identification Number : 05917

Description

A sprayable, weldable, corrosion-resistant coating designed to prevent corrosion from forming between two welded metal surfaces.

NOTE: This product was also labeled 5917 Weldable Primer beginning in 6/04 for sale in California. The name was changed to Weld-Thru II for national launch, to denote the product as a replacement for 5913 Weld-Thru Coating, which is being discontinued 1Q 2005. The part number remains 5917.

Features, Advantages, Benefits

Features	Good corrosion protection Fast drying Easy to weld Easy, consistent sprayability
Advantages	Helps prevent corrosion on otherwise bare metal Technician is able to weld quickly Minimal spatter from welding associated with many weldable primers Repeated use of aerosol can without plugging
Benefits	Prevent comebacks for corroded parts associated with welds Allow technician to finish job quickly and move on to next task Minimize burns to technician and other items in area from weld spatter Reduced frustration and cost of plugged aerosol cans

Typical Physical Properties

Container	12.75 oz. aerosol
Base	Zinc Powder
Density lbs/Gallon (Appx.)	13.2 lb/gal
Color	Gray
Flash Point - °F	-156 deg F (propellants)
Viscosity (CPS) Brookfield Viscometer	
Solids Content (Appx.)	64%
Consistency	Solid suspended in solvent
Solvent	Acetone
Service Temperature - °F	-20 to 200 deg F
Propellant	Propane, Isobutane, N-Butane

Product Uses

A sprayable, weldable, corrosion-resistant coating designed to prevent corrosion from forming between two welded metal surfaces. Additionally, this product can be used to prevent corrosion on metal surfaces that will not be receiving any further treatment (i.e., body filler, primer, paint, etc). However, for non-weld mating surfaces, products such as primer/paint, 3M undercoatings, or 3M Rust Fighter I will provide a higher level of corrosion protection.

Performance Properties

500 hour salt spray testing per ASTM B117 showed significant reduction in corrosion over untreated metal.

Theoretical coverage 528 square feet, based on a 1.0 mil dry film.

Handling and Application Information

Directions for Use

PURGE AFTER EACH USE

Directions for use:

1. Remove all paint, rust, oil, and grease from the area to be coated, and wipe with 3M General Purpose Adhesive Cleaner (PN 08984, 08986, 08987). Surface must be bare metal that is clean and dry.
2. Shake can of 3M Weldable Primer for one minute after agitator is heard. Shake frequently during use.
3. Hold can 10-12 inches from surface to be coated. Press actuator tip firmly and use steady and even strokes when spraying.
4. Apply two light coats (1 mil dry thickness) on both mating surfaces. Allow solvents to flash between coats. Coating must be dry to the touch (normally 5-10 minutes at room temperature) before parts can be MIG welded. If using a resistance spot welder, allow 15-20 minutes of dry time before welding.
5. Invert can and spray to purge nozzle.
6. Grind weld with a 3M GREEN CORPS™ fibre disc, being sure to remove any exposed 3M Weldable Primer prior to applying plastic filler or other top coat.

General Corrosion Protection:

In non-cosmetic areas where plastic filler is not to be used, you may apply 3-4 coats of 3M Weldable Primer to the weld areas after grinding. A preferable treatment is to top coat the uncoated weld area with 3M Rust Fighter-I (PN 08892), a 3M Undercoating product, or primer and paint.

* If 'Directions for Use' reference P.N.'s 08984, 08986, or 08987, please read. Federal and local air quality regulations may regulate or prohibit the use of surface preparation and cleanup solvents based on VOC content. Consult your local and Federal air quality regulations for information. When using solvents, use in a well ventilated area. Extinguish all sources of ignition in the work area and observe precautionary measures for handling these materials. Refer to product label and MSDS for P.N. 8984, 8986, or 8987 for detailed precautionary information.

Applications

Between two welded mating surfaces

Other non-cosmetic areas where additional corrosion protection is required.

Storage and Handling

Store at room temperature. Rotate stock on a "first-in - first-out" basis. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months.

Always use in a well-ventilated area.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product.

- Protects bare metal panels and parts from corrosion after welding
- Zinc base draws away contact corrosion, leaving substrates strong
- Convenient aerosol spray application
- Dries in as little as 5 minutes before MIG welding for efficient throughput
- Formulated for minimum weld spatter, helping prevent shop damage
- Accepts 3M™ Cavity Wax Plus (PN 08852) and other 3M coatings on non-weld metal surfaces

3M™ Weld-Thru II is a convenient aerosol coating designed to prevent corrosion between welded metal surfaces. Featuring a zinc base that draws corrosion away from bare metals, it helps prevent costly comebacks due to corrosion at welds. Spray coating applies fast, resists weld spatter common to some weldable primers and dries in as little as 5 minutes, increasing shop efficiency and productivity.

Keeping Bonds Strong

By preventing corrosion between welded auto body panels, our 3M™ Weld-Thru II promotes stronger business between your shop and your customers. This coating protects against corrosion [untreated bare metal substrates](#) (PDF, 155 Kb) — its zinc base uses the concept of bimetallic corrosion to keep metal parts from degrading. Welds stay strong, parts and panels don't corrode and you keep comebacks to a minimum.

Tough on Corrosion, Easy for Welding

[3M™ Weld-Thru II](#) also helps keep collision repair shops operating efficiently. Its convenient aerosol can makes it fast and easy to apply, and features an actuator tip that resists plugging even after repeated use. The coating dries in as little as 15 minutes when using a resistance spot welder and as little as 5 minutes for MIG welding, helping technicians work faster and maximizing throughput. The formula also resists weld spatter than can cause burns to technicians or shop equipment.



May be used with 3M™ Cavity Wax Plus 08852 and 3M™ Cavity Wax Plus Applicator Wand Kit 08851

3M™ Weld-Thru II can also be easily used on non-weld metal surfaces with [3M™ Cavity Wax Plus 08852](#) and [3M™ Cavity Wax Plus Applicator Wand Kit](#).

Applying Better Science to Collision Repair

Our 3M™ Weld-Thru II coating is another example of 3M Science. Applied to Life™. It uses the science behind bimetallic, or contact, corrosion to draw rust and other corrosive effects away from untreated bare metal — keeping the bonds strong at the welds, and keep the bonds strong between your customers and your collision repair business.

Looking for [dependable automotive paint & coatings](#)? Rely on [3M for quality and long-lasting products](#).