

## LORD Fusor<sup>®</sup> 147/148 Plastic Bonding Adhesive (Medium)

LORD Fusor<sup>®</sup> 147/148 plastic bonding adhesive can be used for installation and bonding of small body panels, ground effects and headlight buckets.

### Usage

#### Metal Preparation

1. Prefit all metal parts.
2. Prime all bare metal using a two-component epoxy primer.
3. Allow the primer to completely dry, then scuff-sand the primed areas with 180- and 220-grit sandpaper.

#### Plastic Preparation

1. Clean the area to be bonded with plastic & rubber cleaner (see Illustration A).
2. Scuff-sand the bond areas with 80-grit sandpaper.
3. Wipe with a clean dry rag (do not use tack rag).

#### Product Preparation

1. Insert the LORD Fusor two-component adhesive cartridge into the dispensing gun.
2. Squeeze a small amount of LORD Fusor plastic bonding adhesive from each side of the cartridge. This will level the plungers and ensure that adhesive is coming out of both sides of the cartridge.
3. Attach the mixing tip and dispense a small amount of material to verify that the adhesive is evenly mixed.

#### Application

1. Apply a bead large enough to fill any gaps between parts.
2. Clamp parts with enough pressure to hold the parts in place while allowing a small amount of adhesive to squeeze out.
3. If repositioning is necessary, slide the part to reposition (see Illustration B). Do not pull the part away and reapply as this will result in poor adhesion (see Illustration C).
4. Allow adhesive to cure for 60-90 minutes at 70°F (21°C) before unclamping.

Note: The use of polyester body filler or polyester putty directly on top of the adhesive is not recommended, as compatibility issues may result.

5. Prime and paint per manufacturer's recommendations.

### Technical Data

Work Time, minutes @ 70°F (21°C)	5-7
Full Cure Strength, hours @ 70°F (21°C)	24
Handling Strength, minutes @ 70°F (21°C)	60-90
@ 140°F (60°C)	15
Part Paintability, minutes @ 70°F (21°C)	90
@ 140°F (60°C)	15
Lap Shear Strength	Substrate failure occurred before bond failure on ABS, PVC, SMC acrylic, XENOY <sup>®</sup> , polycarbonate
Torsional Impact Resistance	Substrate failure occurred before bond failure on ABS, PVC, SMC, acrylic, XENOY, polycarbonate

### Cautionary Information

Before using this or any LORD product, refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling instructions.

*For industrial/commercial use only.* Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Illustration A

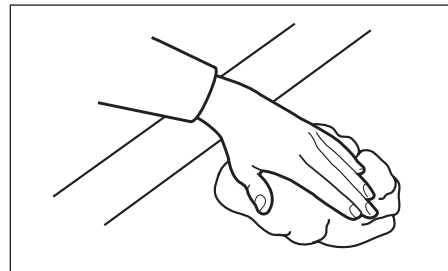
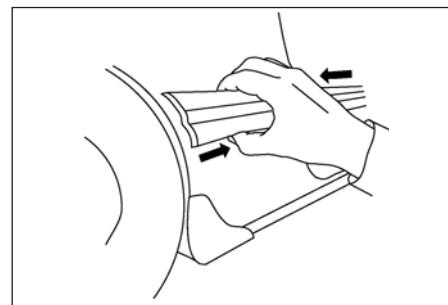


Illustration B



XENOY is a trademark of General Electric Company.

# LORD USER INSTRUCTIONS

## LORD Fusor Repair Products Lifetime Guarantee\*

LORD Corporation guarantees to the original purchaser that LORD Fusor® Repair Products (adhesives, primers, seam sealers and foams only), when used in strict accordance with LORD Corporation's application and use instructions, will provide a durable bond for the life of the vehicle. This Guarantee covers actual costs incurred by the installer for labor, replacement parts and materials, and for the reasonable cost of loss of use of the vehicle during the period of replacement. THIS GUARANTEE IS NOT APPLICABLE TO APPLICATION EQUIPMENT, INCLUDING BUT NOT LIMITED TO DISPENSING EQUIPMENT, CARTRIDGE TIPS AND ACCESSORIES.

**THIS EXPRESS WARRANTY IS MADE IN LIEU OF AND EXCLUDES ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

LORD Corporation shall not be liable under any circumstance for any loss, damage, or expense directly or indirectly arising from the application and use of LORD Fusor Products sold hereunder or from any other cause, and LORD Corporation shall not be liable under any circumstances for consequential or incidental damages. **LORD CORPORATION'S LIABILITY FOR BREACH OF WARRANTY HEREUNDER IS IN ALL INSTANCES LIMITED SOLELY AND EXCLUSIVELY TO THE REASONABLE COSTS OF REPAIR AND/OR REPLACEMENT OF THE BONDED METAL COMPONENTS OF THE VEHICLE.**

This Lifetime Guarantee shall only apply to the above listed LORD Fusor products sold by LORD Corporation on or after January 1, 2001.

LORD Fusor Metal Bonding Adhesives shall only be used for bonding metal to metal (steel or aluminum) in full or partial panel replacements of:

- door skins
- roof skins
- other outer body sheet metal
- quarter panels
- rear body panels

LORD Fusor products SHALL NOT be used for bonding structural components such as rails, pillars, rocker panels, core supports, etc. If in doubt as to what is a structural component, contact the vehicle manufacturer. If you have any questions or need to receive proper use instructions, contact the LORD Customer Support Center at +1 877 ASK LORD (275 5673) or visit [www.lord.com](http://www.lord.com).

**To comply with the requirements of the LORD Fusor Repair Products Lifetime Guarantee, attach a copy of this completed page to the repair record, and retain with your files:**

**Vehicle Make/Model:** \_\_\_\_\_

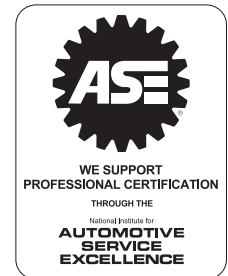
**Vehicle Identification Number:** \_\_\_\_\_

**LORD Fusor Product(s) Used for Repair:** \_\_\_\_\_

**Lot Number(s) on Cartridge(s) Used for Repair:** \_\_\_\_\_

*\*This guarantee is void if adhesive is used after the date printed on the cartridge label.*

### Illustration C



Instructions contained in this document need to be followed to qualify for the LORD Fusor Lifetime Guarantee. Values stated in these instructions represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

Information provided herein is based upon tests believed to be reliable. In as much as LORD Corporation has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, LORD Corporation does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

Fusor and "Ask Us How" are trademarks of LORD Corporation or one of its subsidiaries. I-CAR and Industry Training Alliance are registered trademarks of Inter-Industry Conference on Auto Collision Repair. ASE is a registered trademark of the National Institute for Automotive Service Excellence.

LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide . . . Ask Us How.

### LORD Corporation World Headquarters

111 Lord Drive  
Cary, NC 27511-7923  
USA

### Customer Support Center

+1 877 ASK LORD (275 5673)

[www.lord.com](http://www.lord.com)