

# 3M Solutions for OEM Repair Procedures

## 3M™ Panel Bonding and Impact Resistant Structural Adhesives

OEM requirements can change by make, by model, by model year and by procedure. Which structural adhesive is correct?

3M is more often referenced in OEM repair procedures for panel bonding and impact resistant structural adhesives than any other adhesive supplier.

### 3M™ Panel Bonding Adhesive

Designed to meet specific strength requirements for outer sheet metal panel replacement; panel bonding adhesive is typically used in conjunction with welding, rivets or hem flange joints. Panel bonding adhesives do not offer the same level of impact resistance as impact resistant structural adhesives and should not be used for structural repairs unless recommended by the specific automotive manufacturer.

### 3M™ Impact Resistant Structural Adhesive

Designed to meet specific strength requirements for parts such as frame rails, strut towers, rocker panels, pillars and other members where impact resistance is important. This type of adhesive possesses a much greater ability than traditional bonding adhesives to absorb and manage energy under a variety of forces, especially peel and cleavage stresses in extreme temperature conditions. Typically impact resistant structural adhesive is used in conjunction with rivets, spot welds or mechanical fasteners.

*The above are general descriptions, repairers must always refer to individual automotive manufacturer procedures specific to model year for accurate information.*




















## Following OEM recommendations is very important for several reasons:

<b>Help Ensure Safety</b>	Meet the adhesive standards that have been set by the OEMs to manage crash energy and help protect occupants.
<b>Use Trusted Products</b>	Use products that have been rigorously tested to the OEM's performance requirements for strength and corrosion resistance.
<b>Mitigate Risk</b>	Help protect yourself and your business from potential liability — the vehicle was repaired as directed by the OEM.
<b>Simplify Your Process</b>	Eliminate confusion about which adhesive should be used and where. You're using the OEM recommended adhesive that is specifically called out for that procedure.













# Feature Comparison

 **3M™ Panel Bonding Adhesive**
 **3M™ Impact Resistant Structural Adhesive**

Details	PN 08115 / 08116	PN 07333
Higher impact strength versus traditional bonding adhesives		
Recommended by many OEMs		
Provides corrosion protection with lifetime warranty		
Room temperature curing (accelerated with heat)		
Can be weld bonded or rivet bonded within working time		
Adheres to a wide variety of properly prepared steel and aluminium substrates		
May be used on many plastic and composite substrates		
Dispenses silver, colour changes to purple to indicate proper mixing and curing process has begun		
Glass bead technology protects against overclamping and maintains a minimum bond line thickness		
Has excellent shelf life opened or unopened, reducing unused product replacement costs		

## OEM Recommendations

 **3M™ Panel Bonding Adhesive**
 **3M™ Impact Resistant Structural Adhesive**

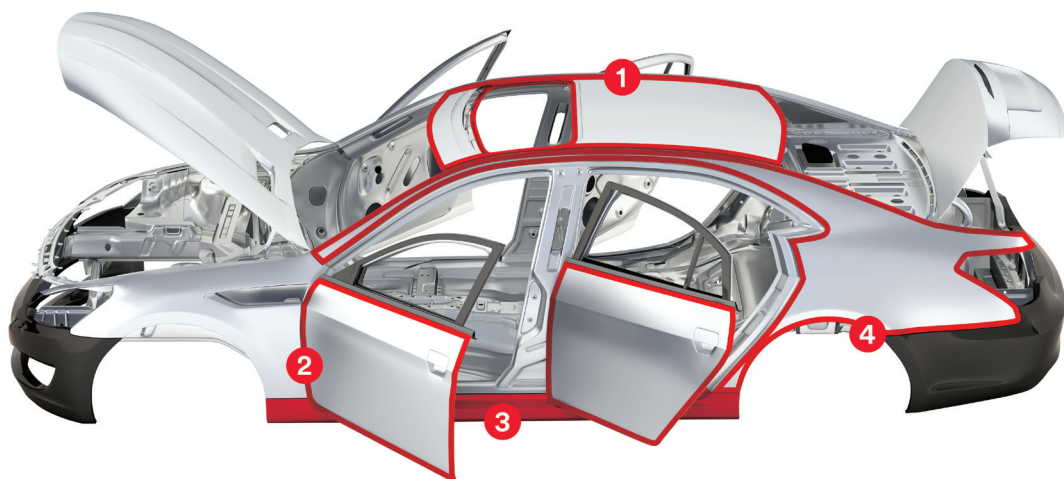
3M PN	Fiat/ Chrysler	Ford	General Motors	Honda	Hyundai/ Kia	Jaguar/ Land Rover	Tesla	Toyota	Volvo
08115									
08116									
07333									

This information was compiled by reviewing OEM repair manuals during 2018 and it generally represents model years 2016 to present. Repair facilities must complete their own research to validate current OEM guidelines.

## 3M™ Panel Bonding Adhesive

PN 08115 / 08116

Areas where Panel Bonding Adhesive may be used.

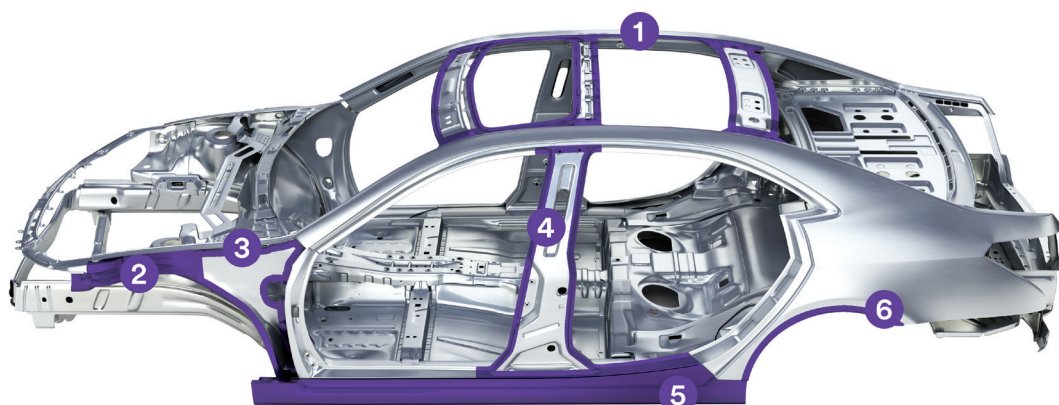


- |             |                                    |
|-------------|------------------------------------|
| 1 Roof Skin | 3 Rocker Panel                     |
| 2 Door Skin | 4 Quarter Panel/Truck Box/Van Side |

## 3M™ Impact Resistant Structural Adhesive

PN 07333

Areas where Impact Resistant Structural Adhesive may be used.



- |                          |                    |                              |
|--------------------------|--------------------|------------------------------|
| 1 Roof Skin              | 3 Body Side        | 5 Rocker Panel               |
| 2 Front Upper/Lower Rail | 4 B Pillar/Uniside | 6 Rear Unibody/Wheel Opening |

# Ordering Information



3M™ Panel Bonding Adhesive			
Part No.	Size	Product	Case Qty.
08115	200mL	3M™ Panel Bonding Adhesive	6/Case
38315	50mL	3M™ Panel Bonding Adhesive	6/Case
08116	200mL	3M™ Panel Bonding Adhesive	6/Case

For more information, visit: [3MCollision.com/PBA](http://3MCollision.com/PBA)

3M™ Impact Resistant Structural Adhesive			
Part No.	Size	Product	Case Qty.
07333	200mL	3M™ Impact Resistant Structural Adhesive	3/Case

For more information, visit: [3MCollision.com/IRSA](http://3MCollision.com/IRSA)

Accessories			
Part No.	Size	Product	Features/Applications
38191	50mL	3M™ Static Mixing Nozzle	—
08193	200mL, 400mL	3M™ Static Mixing Nozzle	3/8 in. nozzle
09930	200mL	3M™ Performance Pneumatic Applicator	Pneumatic — For 200mL product
08117	200mL	3M™ Performance Manual Applicator	Manual — For 200mL product
08190	50mL	3M™ Performance Manual Applicator	Manual — For 50mL product
08571	200mL	3M™ Standard Manual Applicator	Economy Line Applicator with heavy duty construction



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