# **3**M Science. Applied to Life.™

## Aluminum Repair Procedures Body Repair



#### **Pre-Cleaning**

Prewash/clean vehicle prior to disassembly (power wash undercarriage area at repair).

## **Initial Prep Sand**

DA sand the repair area using grade 80 abrasive, removing paint beyond damage by 2–4 in. Blow off with clean, dry air and re-clean with surface cleaner.

### **Mix and Apply Filler**

Mix and apply filler per manufacturer's recommendation or use the 3M<sup>™</sup> Dynamic Mixing System. Keep the body filler within the primer featheredge area. Cure the body filler 15–20 minutes at 75°F.

### Sand Filler

Using a hand block, shape sand the body filler with grade 80 abrasive. Apply dry guide coat and finish block sanding with grade 150 abrasive. DA featheredge the repair area with grade 180 abrasive disc. Inspect the repair for quality, if glaze is not required, continue to Step 7.

## Mix and Apply Glaze

Blow off the repair area completely removing sanding dust from the surface. Mix and apply glaze if required per manufacturer's recommendation or using 3M<sup>™</sup> Dynamic Mixing System. Keep the glaze within the primer featheredge area. Cure glaze for 15–20 minutes at 75°F.

#### Sand Glaze

Sand polyester glaze with grade 180. Use 3M<sup>™</sup> Dry Guide Coat between sanding steps to highlight imperfections.

#### **Final Sand and Inspect**

Blow off repair area. Featheredge the surrounding area using grade 180 abrasive. Inspect the repair for quality.

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**Product List** 

Meguiar's<sup>®</sup> Shampoo Plus, 1 gallon, PN D11101

Meguiar's<sup>®</sup> Citrus Power Cleaner Plus, 1 gallon, PN D10701

3M<sup>™</sup> Cubitron<sup>™</sup> II Hookit<sup>™</sup> Clean Sanding Abrasive Disc, 3 in., grade 80+, PN 31361; 3 in., grade 180+, PN 31364; 6 in., grade 80+, PN 31371; 6 in., grade 180+, PN 31374



3M<sup>™</sup> Platinum<sup>™</sup> Plus Body Filler, 1 gallon, PN 01131; for DMS, PN 05863



3M<sup>™</sup> Platinum<sup>™</sup> Select Body Filler, 1 gallon, PN 31131; for DMS, PN 35863



3M<sup>™</sup> Dry Guide Coat, 50 gram applicator kit, PN 05861



3M<sup>™</sup> Platinum<sup>™</sup> Plus Finishing Glaze, 30 oz., PN 31180; for DMS, PN 05862



3M<sup>™</sup> Cubitron<sup>™</sup> II Hookit<sup>™</sup> Clean Sanding Sheet Roll, 70mm x 12m, grade 80+, PN 34442; grade 150+, PN 34445; grade 180+, PN 34446



3M<sup>™</sup> Dynamic Mixing Applicator — Pneumatic, PN 05846

## Think About Your Health



Note: Use caution when working on aluminum parts. Use tools that have been cleaned properly or designated for use on aluminum to reduce potential cross contamination. Do not re-use abrasives that were previously used on steel repairs.

## Individual Product Instruction and Safety Information

For individual product instructions and applicable precautions see product labels and associated literature for the individual product at **3MCollision.com** 

For product material safety data sheets see 3MCollision.com

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