COLLISION BULLETIN

NUMBER: 31-001-19

GROUP: 31 - Collision Bulletins

DATE: July 31, 2019

This bulletin supersedes Service Bulletin 31-001-18 REV. B, dated November 22, 2018, which should be removed from your files. All revisions are highlighted with **asterisks and include additional markets.**

NOTE: Digital imaging pre authorization is required for SmartWarranty Base dealers or Pre Approval is required from Regional Office depending on market.

SUBJECT:

Aluminum Body Panel Corrosion Repair

OVERVIEW:

This bulletin involves inspecting and if necessary removing corrosion and refinishing the suspect aluminum hood, door, fenders or liftgate panel.

MODELS:

2015-Current	(4C)	Alfa Romeo 4C
2017-Current	(BA)	FIAT 124 Spider (Convertible)
2013-Current	(FF)	FIAT 500
2017-Current	(GA)	Alfa Romeo Giulia
2018-Current	(GU)	Alfa Romeo Stelvio
2014-Current	(KL)	Jeep Cherokee
2013-Current	(PF)	Dodge Dart
2013-2017	(ZD)	Dodge Viper
2013-Current	(DS)	RAM 1500 Pickup
2013-Current	(WK)	Jeep Grand Cherokee
2013-Current	(WD)	Dodge Durango
2017-Current	(RU)	Chrysler Pacifica
2015-Current	(BU)	Jeep Renegade
2018-Current	(JL)	Jeep Wrangler
2015-Current	(LA)	Dodge Challenger
2013-2014	(LC)	Dodge Challenger
2013-Current	(LD)	Dodge Charger
2013-Current	(LX)	Chrysler 300
2017-Current	(MP)	Jeep Compass
2015-2017	(UF)	Chrysler 200

2013-Current	(JC)	Dodge Journey
2013-2014	(JS)	Chrysler 200 Dodge Avenger
2013-Current	(RT)	Chrysler Town & Country Dodge Grand Caravan

NOTE: This bulletin applies to vehicles within the following markets/countries: **North America, LATAM, APAC and EMEA.**

DISCUSSION:
Aluminum corrosion along the leading edge of hood or other exterior surface areas of the doors, fenders or liftgates.

NOTE: This only applies to aluminum panels. To determine if the panel is aluminum, refer to collision manual for material specifications> DealerCONNECT> Service Library> enter year, model, engine> select collision info tab (adjacent to diagnostic tab)> 31-Collision Information> Specifications> Standardize Material Identification.

DIAGNOSIS:
Aluminum corrosion along the leading edge of hood or other exterior surface areas of the doors, fenders or liftgates (Fig. 1) .

Fig. 1
Examples of Corrosion Along Leading Edges

Is corrosion evident on the aluminum panel surface (Fig. 1) ?

- YES>>> Must receive authorization from vehicle digital imaging and/or Regional Office. Once approval is received from digital imaging or Regional Office, Proceed to Step 1 of the diagnosis procedure.
- NO>>> Submit the vehicle digital image for further analysis.

1. Remove blistered paint from the panel surface with 80 grit grinding disc.
2. After digital imaging or Regional Office approval and removing the initial blistered paint from the panel surface with 80 grit grinding disc, is severe pitting exhibited that cannot be removed with

sandpaper, 3M Clean and Strip Disc or equivalent (Fig. 2) ?

Fig. 2
Corrosion Examples

- YES>>> Replace the panel.
- NO>>> Proceed to Step 1 of the repair procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
3 (AR)	NPN	500 grit Sandpaper Sheet
3 (AR)	NPN	800 grit Sandpaper Sheet
1(AR)	NPN	80 grit Sandpaper Sheet
1(AR)	NPN	180 grit Sandpaper Sheet
1(AR)	NPN	3M® 3” Clean and Strip Disc 3M® p/n 07470 or equivalent
1(AR)	NPN	3M® Scotch-Brite Scuffing Disc 07467 Maroon or equivalent
1	06103087AA	Anti-Corrosion Pen

REPAIR PROCEDURE:

1. Remove affected panel. Refer to the detail service procedures available in: DealerConnect> Service Library under: Service Info> 23-Body> Exterior> Removal.
2. Remove all trim components necessary to refinish the suspect panel.
3. Wash the suspect panel with soap and water to remove all dirt and debris.
4. Grind the corroded areas of the hood to bare aluminum using a right angle grinder equipped with an 80-grit grinding disc.

NOTE: If surface areas are difficult to access with a grinding disc, use a 3” roloc® clean and strip fiber disc attached to a rotary tool to remove.

5. After corrosion removal, feather sand the area with 180 grit sandpaper and finish sand with 3M® Scoth-Brite Scuffing Disc 07467 Maroon or equivalent.
6. Sand the remaining exterior painted surface of the panel with 800 grit sandpaper.
7. Prepare panel for refinish, remove all remaining dust, clean with PPG® DX330 Wax and Grease Remover or equivalent and tack cloth the surface.

NOTE: PPG will be referenced as the primary product. Other approved FCA refinish paint manufacturer brands are acceptable if equivalents are available. Refer to the list of FCA approved refinish paint manufacturers:

Paint Supplier	Approved Paint Systems
Akzo Nobel®	Lesonal, Sikkens
Axalta®	Cromax, Spies Hecker, Standox
BASF®	Glasurit, R-M
PPG®	Deltron, Envirobase, Global, Nexa Autobase and Nexa Autobase Plus
Sherwin Williams®	Martin Senour Paints, Sherwin-Williams Automotive Finishes
Valspar®	DEBEER, Valspar refinish

NOTE: Refer to paint manufacturers preparation and application recommendations.

NOTE: Refer to paint manufacturers mixing and application recommendations.

NOTE: Refer to adhesive manufacturers mixing and application recommendations.

8. Apply Mopar 06103087AA, Anti-Corrosion Pen to the repair areas.
9. Apply PPG® DPLF primer epoxy primer or equivalent to bare aluminum only.
10. Apply PPG® K36 primer surface or equivalent over the repair area only.
11. When the primer surfacer has cured, block sand the surface area with 500 grit sandpaper or finer to prepare the repair area for primer sealer application.
12. If the backside of panels require repair and seam sealer removal was necessary, it must be restored. Apply SEM® 39477 seam sealer or equivalent.
13. Prepare panel for refinish, remove all remaining dust, clean with PPG® DX330 Wax and Grease remover or equivalent and tack cloth the surface.
14. Apply PPG® DAS primer sealer or equivalent and allow to flash.
15. Apply 2-3 coats of PPG® DBC basecoat or equivalent and allow to flash.
16. Apply 2-3 coats of PPG® DC4000 Clearcoat or equivalent and allow to cure.
17. Install the repaired panel. Refer to the detail service procedures available in: DealerCONNECT> Service Library under: Service Info> 23-Body> Exterior> Installation.
18. Install removed trim components and replace adhesive backed components (i.e nameplates).

POLICY:
Information Only