

Floor Panel Section

Special Tool(s) / General Equipment

6.5 mm Drill Bit
11 mm Drill Bit
Scraper for Straight Edges
Spherical Cutter
Self-Piercing Rivet (SPR) Remover/Installer
Belt Sander
Blind Rivet Gun
Hot Air Gun
Air Body Saw
MIG/MAG Welding Equipment
Locking Pliers

Materials

Name	Specification
Metal Bonding Adhesive TA-1, TA-1-B, 3M [®] , 08115, LORD Fusor [®] 108B	-
Seam Sealer TA-2-B, 3M [®] , 08308, LORD Fusor [®] 805DTM	-

Removal

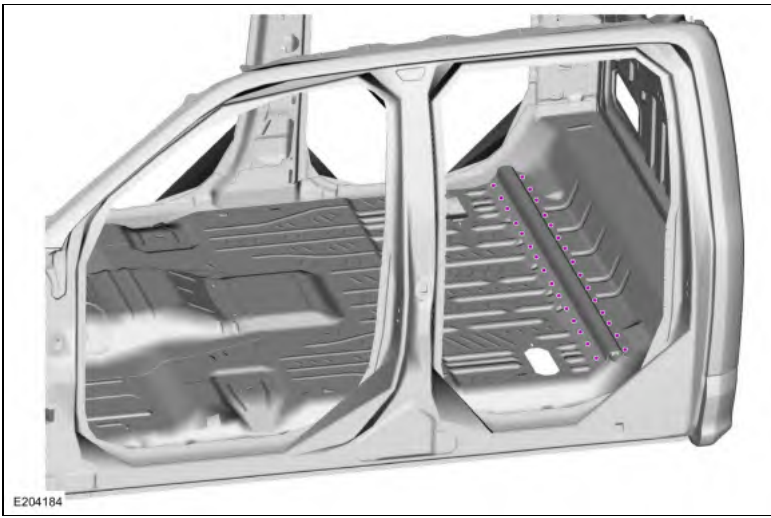
NOTICE: Sectioning may not be performed within 50 mm of restraints, seats, door hinge or door striker anchoring points. Failure to follow this direction may compromise vehicle integrity.

NOTE: Aluminum body panels are highly receptive to heat transfer. With the extensive use of structural adhesives and non-structural sealers used in vehicle construction, the potential of heat transfer could impact adhesives and sealers in non-associated panels during the repair process. Many repairs areas that utilize structural adhesive may be separated after fastener removal by using a panel chisel along the joint/flange. Using heat not exceeding 425°F to loosen a bonded panel should only be done when **all panels in the joint** will be replaced and new adhesive applied.

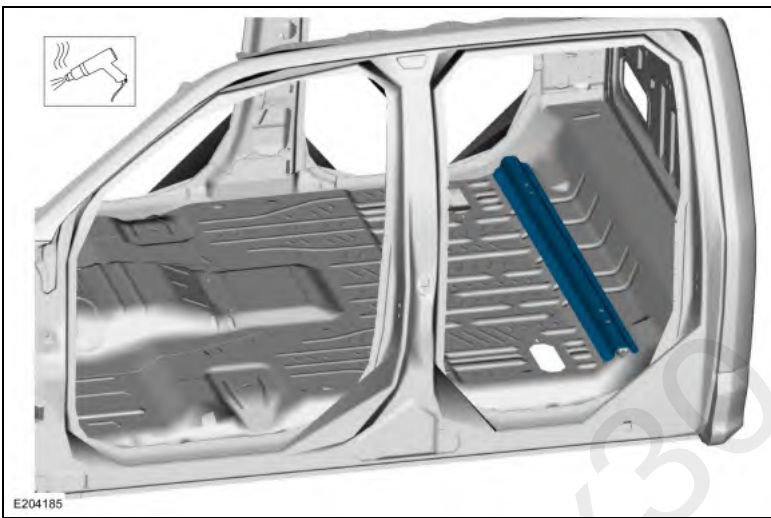
NOTE: The floor panel may be sectioned at any point providing restraints, seats, door hinge or striker provisions are met. Adjust the following procedure to meet repair needs.

NOTE: SuperCab shown unless noted, Crew Cab and Regular Cabs similar.

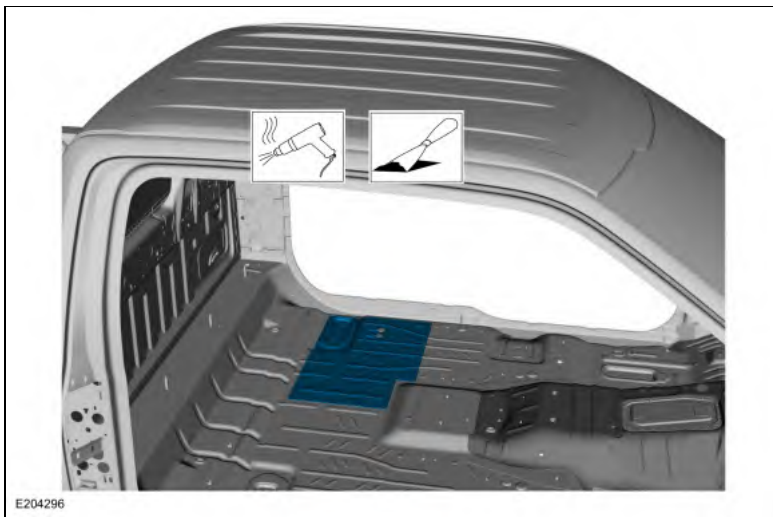
1. Depower the SRS.
Refer to: Supplemental Restraint System (SRS) Depowering (501-20B Supplemental Restraint System, General Procedures).
2. Remove the seats.
Refer to: Front Seat Track (501-10A Front Seats, Removal and Installation).
3. If equipped:
Remove the console.
Refer to: Floor Console (501-12 Instrument Panel and Console, Removal and Installation).
4. Remove the C-pillar trim panel.
Refer to: C-Pillar Trim Panel (501-05 Interior Trim and Ornamentation, Removal and Installation).
5. Remove the door opening weather strips and scuff plate.
6. Position the carpeting and wiring harnesses away from the work area.
7. SuperCab and Crew Cab only.
Remove the SPR fasteners.
Use the General Equipment: Self-Piercing Rivet (SPR) Remover/Installer
Use the General Equipment: Belt Sander



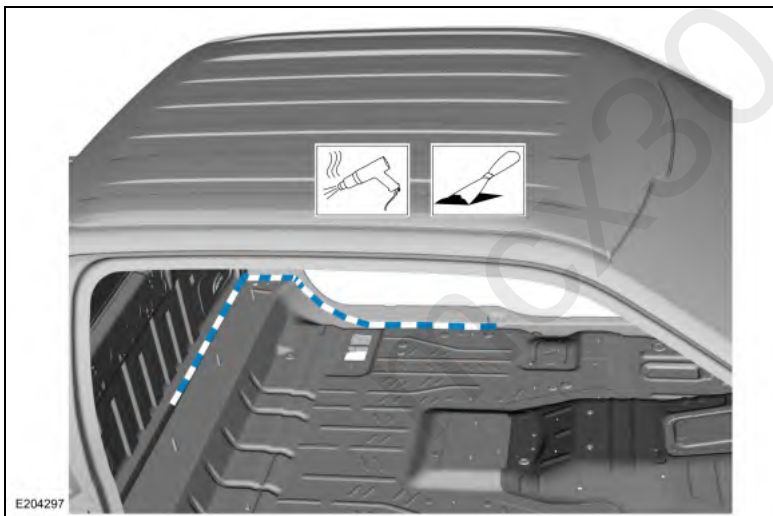
8. SuperCab and Crew Cab Only.
Break the adhesive bond and remove the rear seat brace.
Use the General Equipment: Hot Air Gun



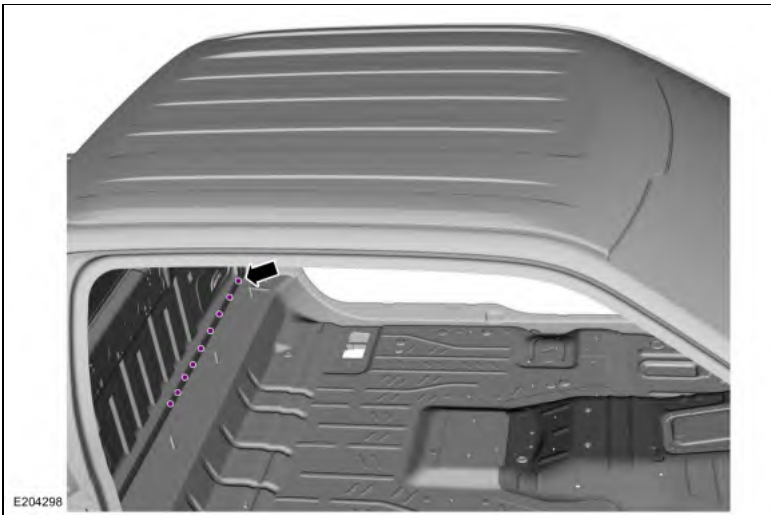
9. Remove the NVH pad.
Use the General Equipment: Hot Air Gun
Use the General Equipment: Scraper for Straight Edges



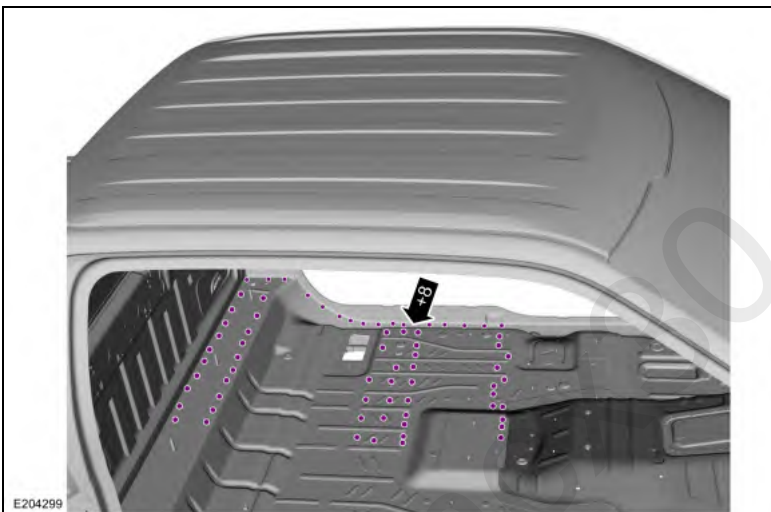
10. Remove the seam sealer.
Use the General Equipment: Hot Air Gun
Use the General Equipment: Scraper for Straight Edges



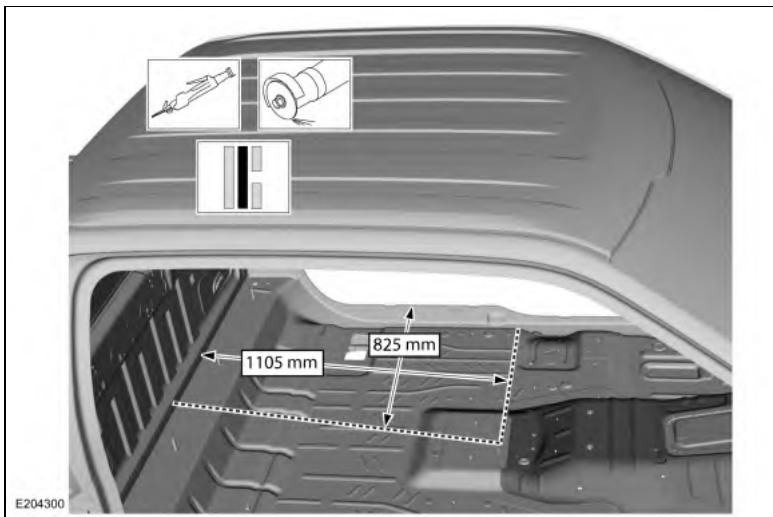
11. Remove the floor panel to cab back SPR fasteners.
Use the General Equipment: Self-Piercing Rivet (SPR) Remover/Installer
Use the General Equipment: Belt Sander



12. Remove the floor panel SPR fasteners.
 Use the General Equipment: Self-Piercing Rivet (SPR) Remover/Installer
 Use the General Equipment: Belt Sander

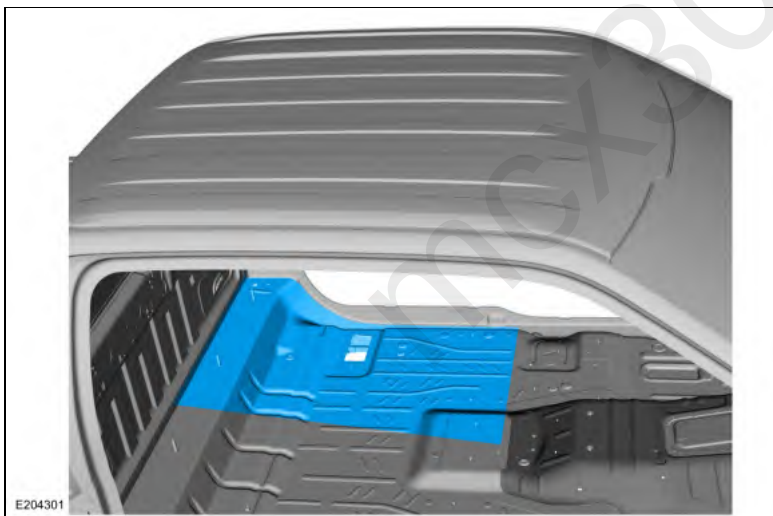


13. Carefully cut the **outer panel only**.
 Use the General Equipment: Air Body Saw
 Use the General Equipment: Spherical Cutter



14. **NOTE:** Aluminum body panels are highly receptive to heat transfer. With the extensive use of structural adhesives and non-structural sealers used in vehicle construction, the potential of heat transfer could impact adhesives and sealers in non-associated panels during the repair process. Many repairs areas that utilize structural adhesive may be separated after fastener removal by using a panel chisel along the joint/flange. Using heat not exceeding 425°F to loosen a bonded panel should only be done when **all panels in the joint** will be replaced and new adhesive applied.

Remove the floor panel section.



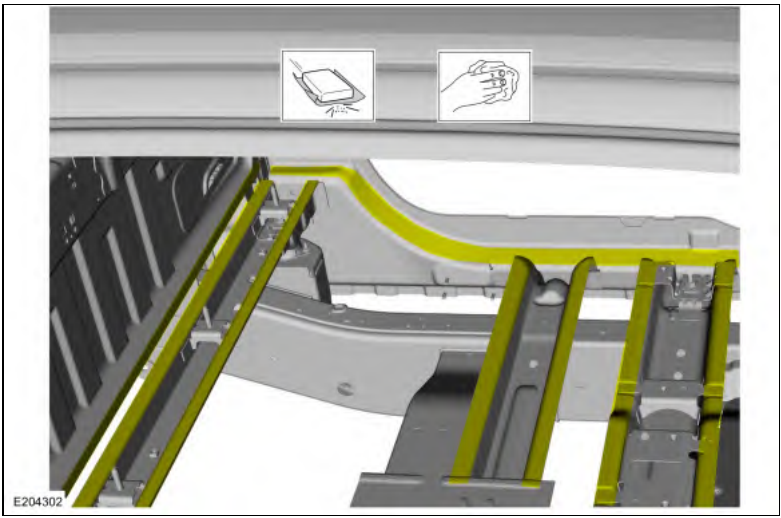
Installation

NOTICE: Sectioning may not be performed within 50 mm of restraints, seats, door hinge or door striker anchoring points. Failure to follow this direction may compromise vehicle integrity.

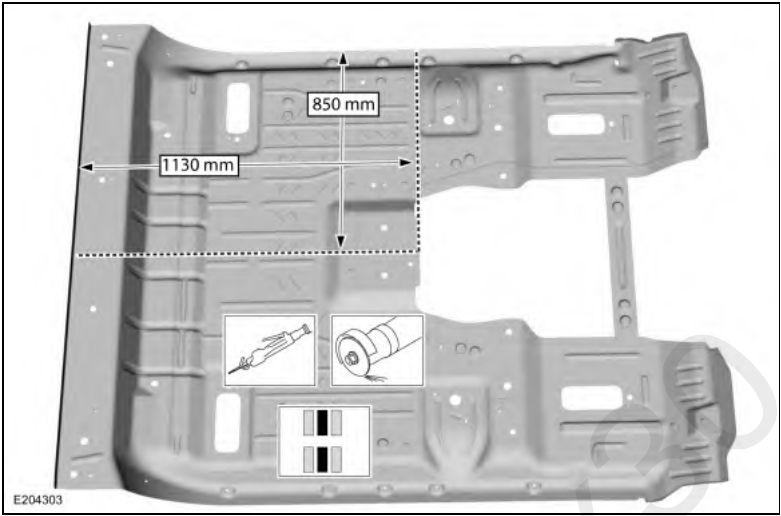
NOTE: The floor panel may be sectioned at any point providing restraints, seats, door hinge or striker provisions are met. Adjust the following procedure to meet repair needs.

NOTE: SuperCab shown unless noted, Crew Cab and Regular Cab similar.

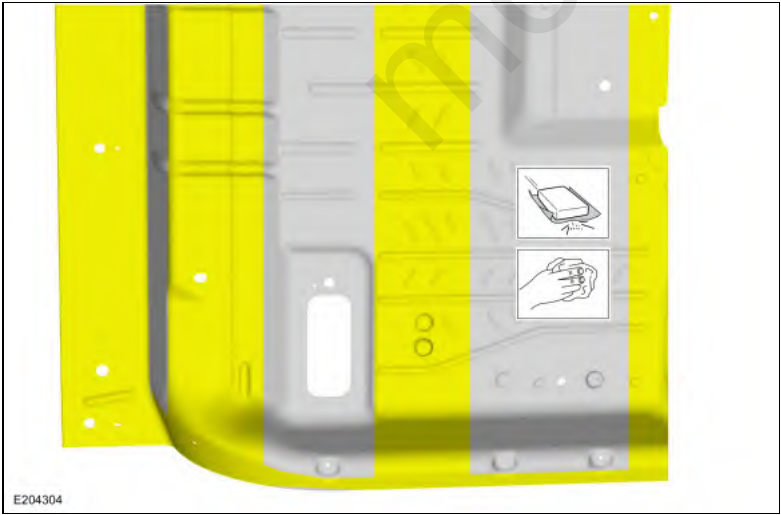
1. 80-120 grit sand paper.
Sand to remove old adhesive and clean.



2. Cut the replacement panel 25 mm larger in length and width to fit vehicle opening creating a lap joint.
Use the General Equipment: Air Body Saw
Use the General Equipment: Spherical Cutter

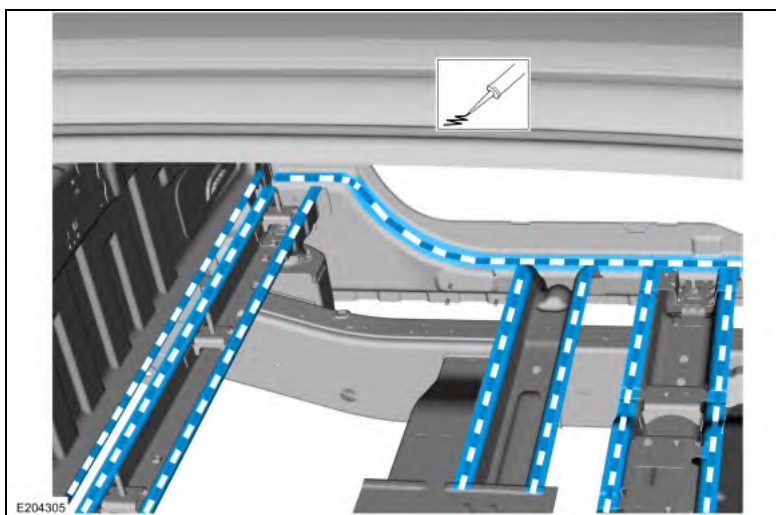


3. 80-120 grit sand paper.
Sand to remove e-coat and clean.

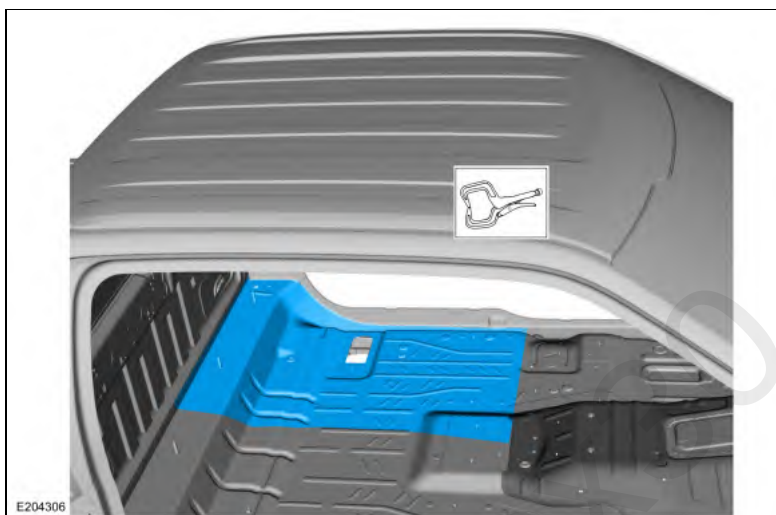


4. Apply adhesive.

Material: Metal Bonding Adhesive / TA-1, TA-1-B, 3M[®] 08115, LORD Fusor[®] 108B



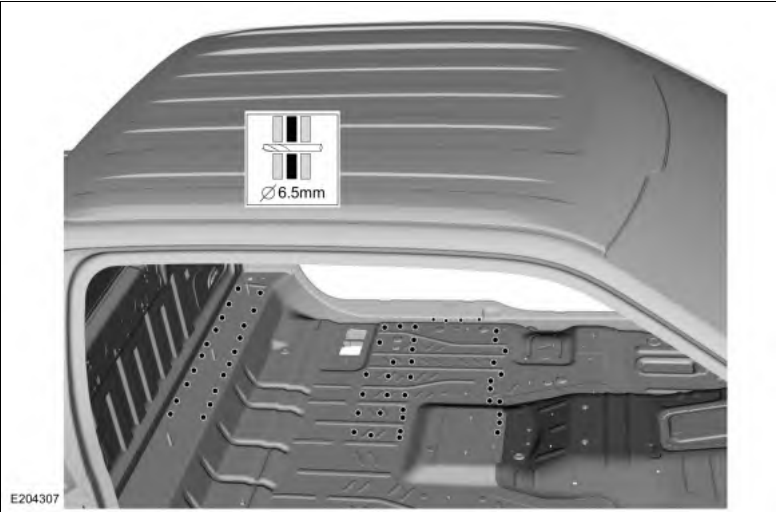
5. Install the floor panel section and clamp in position.
Use the General Equipment: Locking Pliers



6. **NOTE:** Blind or solid rivet fasteners may be used in place of SPR fasteners after enlarging holes to 6.5 mm.

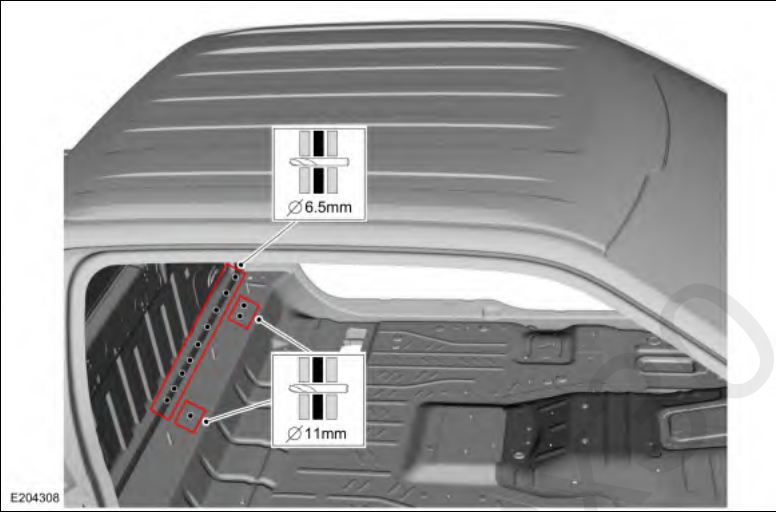
Drill for fastener installation.

Use the General Equipment: 6.5 mm Drill Bit



7. **NOTE:** Blind or solid rivet fasteners may be used in place of SPR fasteners after enlarging holes to 6.5 mm.

Drill for fastener installation.
Use the General Equipment: 6.5 mm Drill Bit
Use the General Equipment: 11 mm Drill Bit

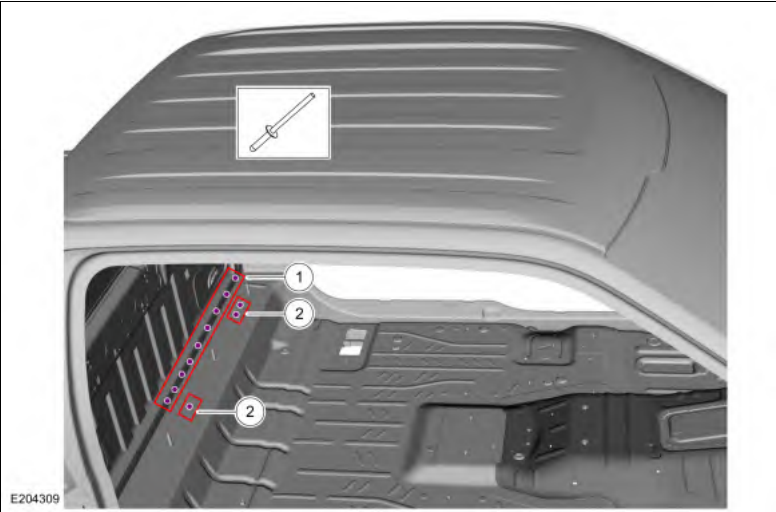


8. **NOTE:** Blind or solid rivet fasteners may be used in place of SPR fasteners after enlarging holes to 6.5 mm.

Install fasteners.

Item	SPR Number	SPR Code	Henrob® Mandrel	Pro-Spot® Mandrel	Blind Rivet	Solid Rivet	Rivnut®
1	-	-	-	-	W702512-S900C	-	-
2	-	-	-	-	-	-	W716819-S450 (M8)

Use the General Equipment: Blind Rivet Gun

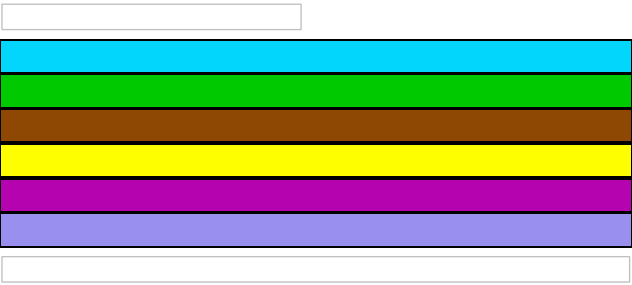
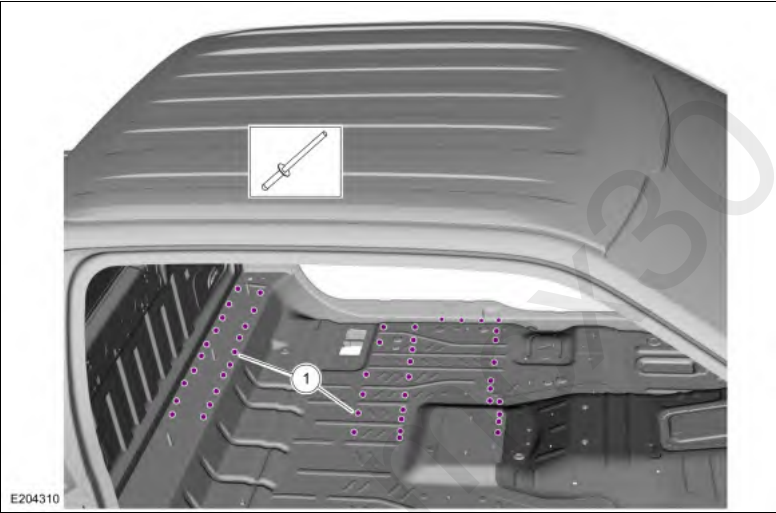


9. **NOTE:** Blind or solid rivet fasteners may be used in place of SPR fasteners after enlarging holes to 6.5 mm.

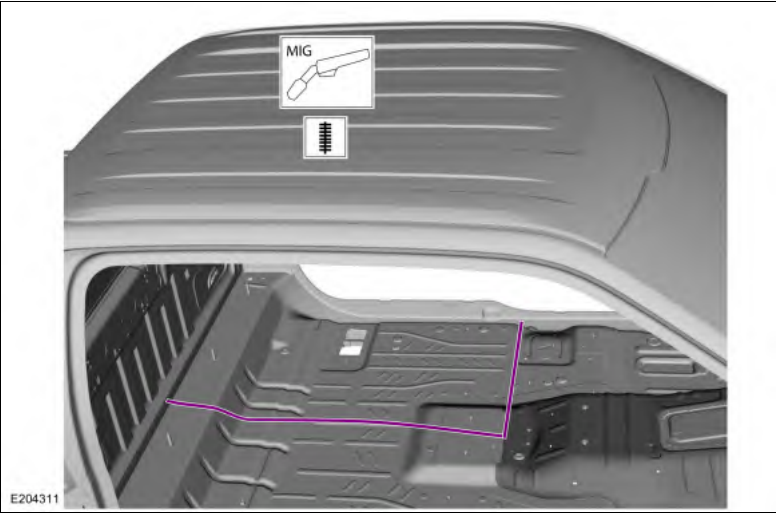
Install fasteners.

Item	SPR Number	SPR Code	Henrob® Mandrel	Pro-Spot® Mandrel	Blind Rivet	Solid Rivet	Rivnut®
1	-	-	-	-	W702512-S900C	-	-

Use the General Equipment: Blind Rivet Gun



10. Seam weld floor panel section lap joints using a MIG welder set up for aluminum repair.
Use the General Equipment: MIG/MAG Welding Equipment



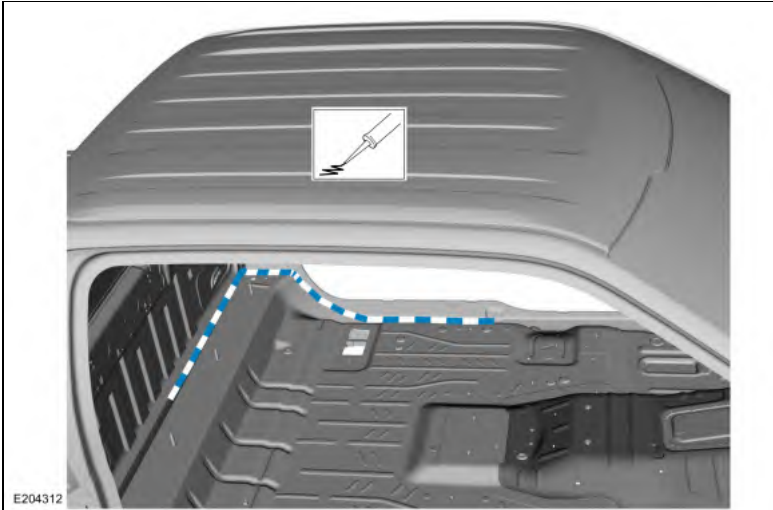
11. Metal finishing:
Metal finish using typical aluminum metal finishing techniques and materials.

Refer to: Special Repair Considerations for Aluminum Repairs (501-25 Body Repairs - General Information, Description and Operation).

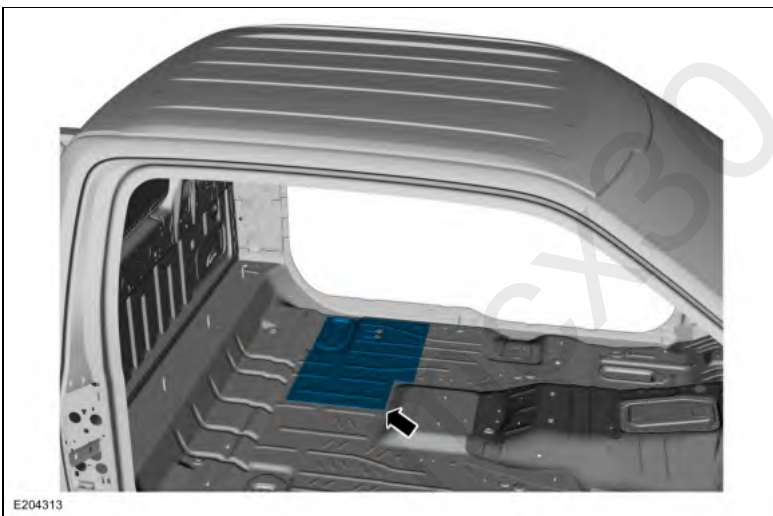
12. Seam Sealing

All seams must be sealed to production level.

Material: Seam Sealer / TA-2-B, 3M, 08308, LORD Fusor® 805DTM

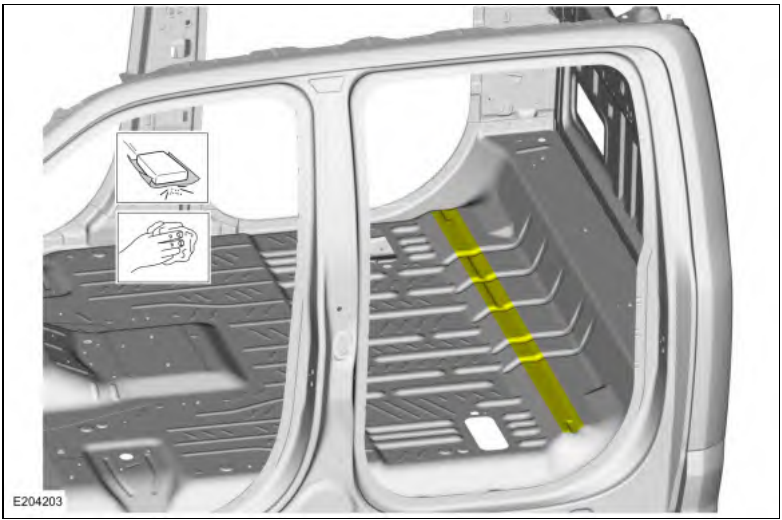


13. Install the NVH pad.

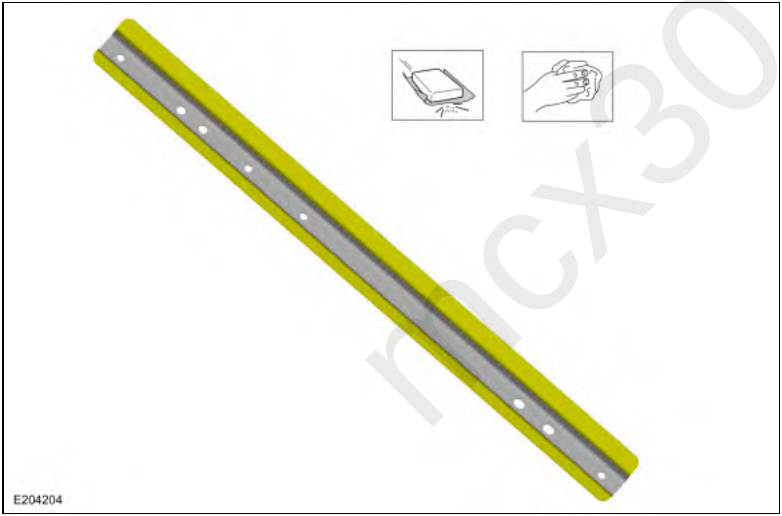


14. SuperCab and Crew Cab only: 80-120 grit sand paper.

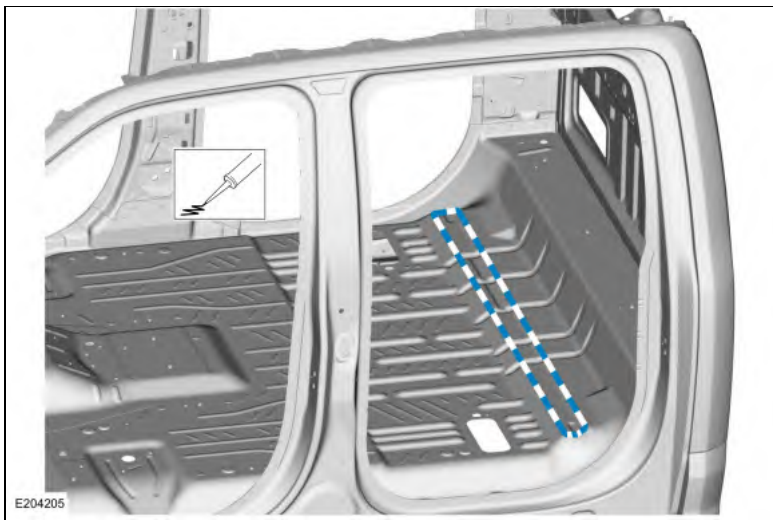
Sand to remove e-coat and clean.



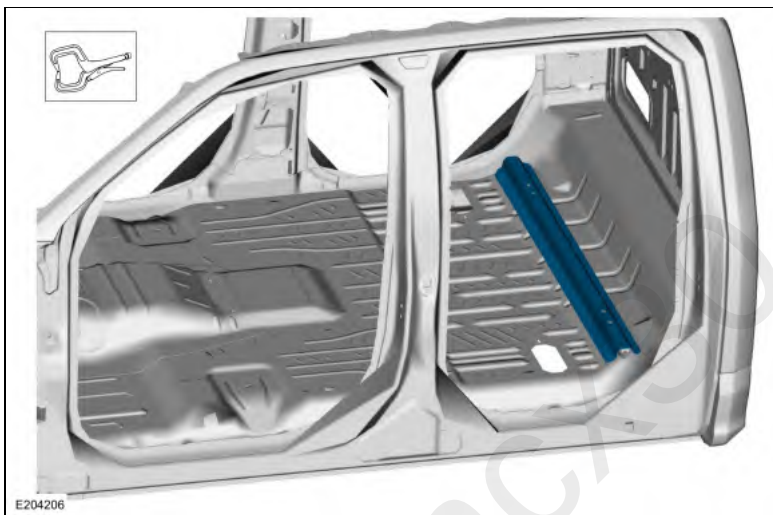
15. SuperCab and Crew Cab only: **80-120 grit sand paper.**
Sand to remove e-coat and clean.



16. SuperCab and Crew Cab only:
Apply adhesive.
Material: Metal Bonding Adhesive / TA-1, TA-1-B, 3M, 08115, LORD Fusor® 108B

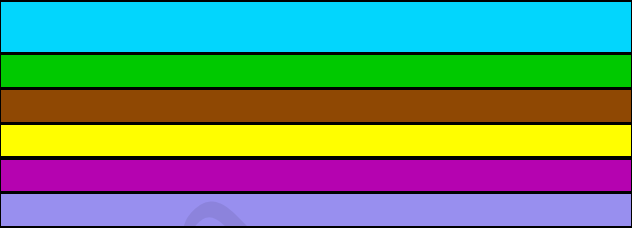
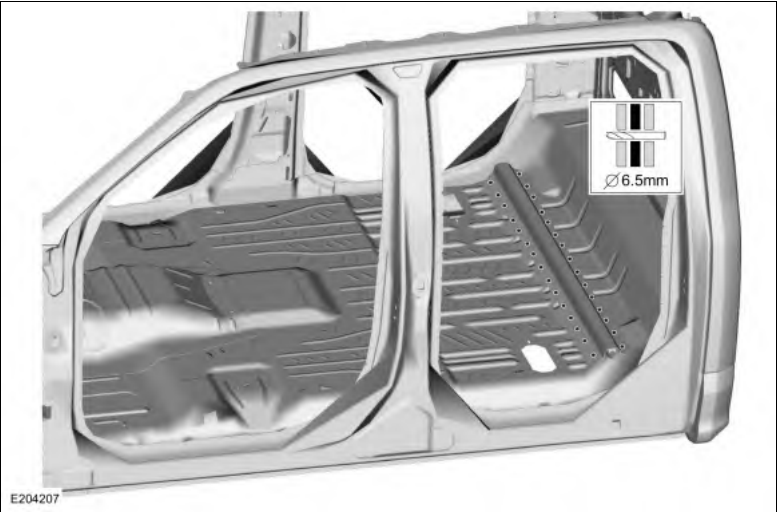


17. SuperCab and Crew Cab only:
Install the rear seat brace and clamp in position.
Use the General Equipment: Locking Pliers



18. **NOTE:** Blind or solid rivet fasteners may be used in place of SPR fasteners after enlarging holes to 6.5 mm.

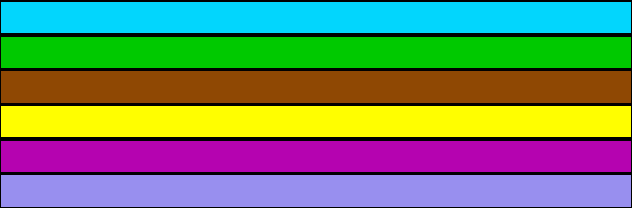
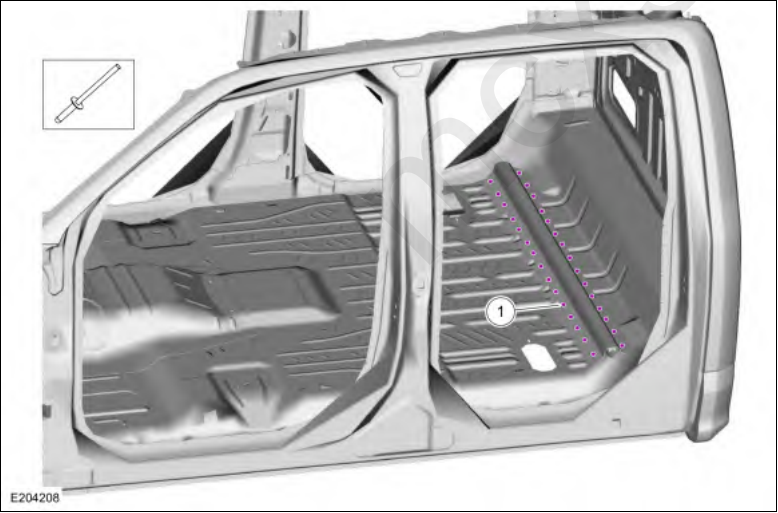
SuperCab and Crew Cab only:
Drill for fastener installation.
Use the General Equipment: 6.5 mm Drill Bit



19. SuperCab and Crew Cab only:
Install fasteners.

Item	SPR Number	SPR Code	Henrob® Mandrel	Pro-Spot® Mandrel	Blind Rivet	Solid Rivet	Rivnut®
1	-	-	-	-	W707638-S900C	-	-

Use the General Equipment: Blind Rivet Gun



20. Refinish the entire repair using a Ford approved paint system
21. Restore corrosion protection.
Refer to: Corrosion Prevention (501-25 Body Repairs - General Information, General Procedures).
22. Reposition the wiring harnesses and carpeting.
23. Install the door opening weather strips and scuff plate.
24. Install the C-pillar trim panel.
Refer to: C-Pillar Trim Panel (501-05 Interior Trim and Ornamentation, Removal and Installation).
25. If equipped:
Install the console.
Refer to: Floor Console (501-12 Instrument Panel and Console, Removal and Installation).

26. Install the seats.
Refer to: Front Seat Track (501-10A Front Seats, Removal and Installation).
 27. Repower the SRS.
Refer to: Supplemental Restraint System (SRS) Repowering (501-20B Supplemental Restraint System, General Procedures).
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