

CONSTRUCTION SPECIFICATIONS

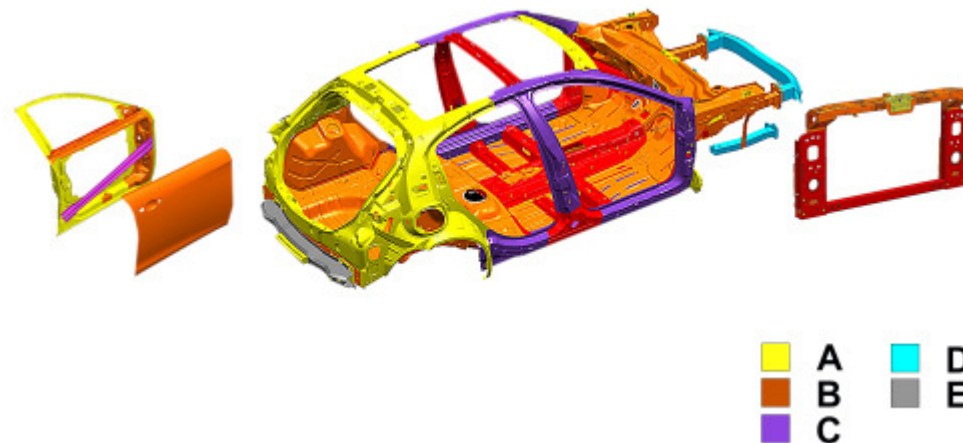
General information

The topics are covered with reference mainly to new technical features of the vehicle. Priority is given to descriptive and operational aspects with minimal coverage of underlying principles, rules and precautions.

For information on repair methods and vehicle technical specifications, see the specific sections on repair procedures.

Materials

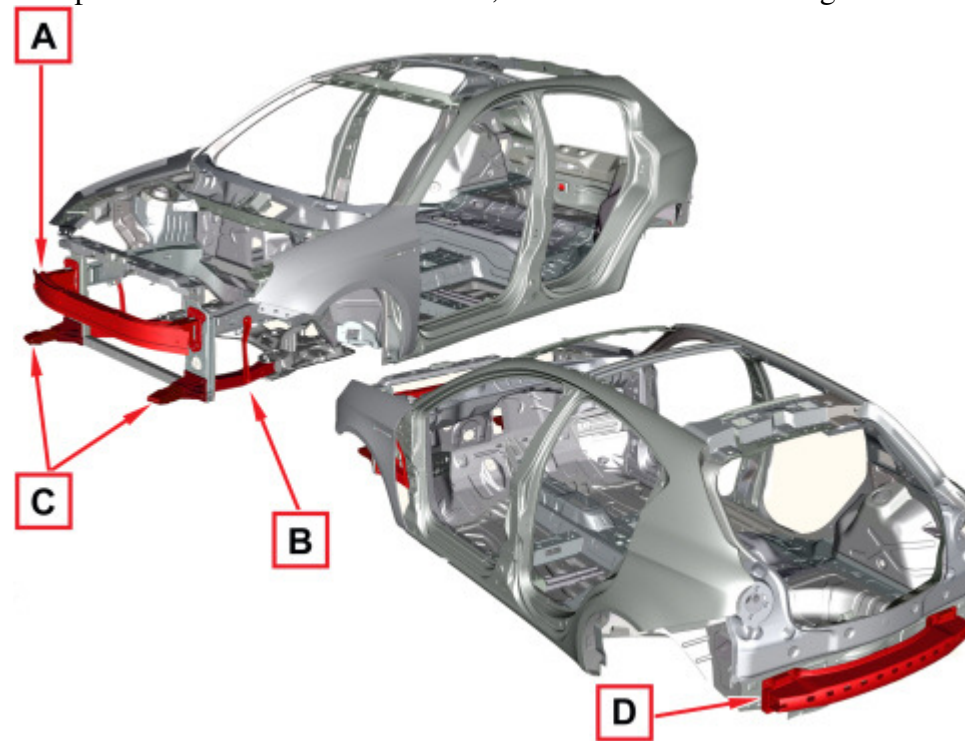
For the chassis of Giulietta high resistance materials have been used according to the current trends of the automotive sector.



- A - Carbon steel
- B - High strength steels UHSS + HSS
- C - Hot-printed
- D - Aluminium

E - Plastic

The presence of important aluminium and plastic elements should be noted, with benefits for the weight of the vehicle.



A - Aluminium front crossmember

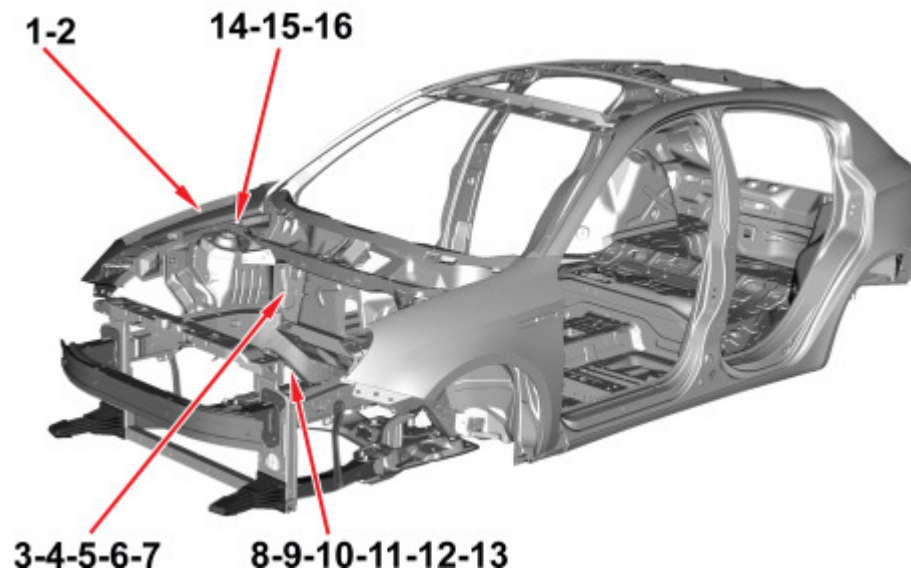
B - Aluminium third load line

C - Plastic front impact absorber (Xenoy)

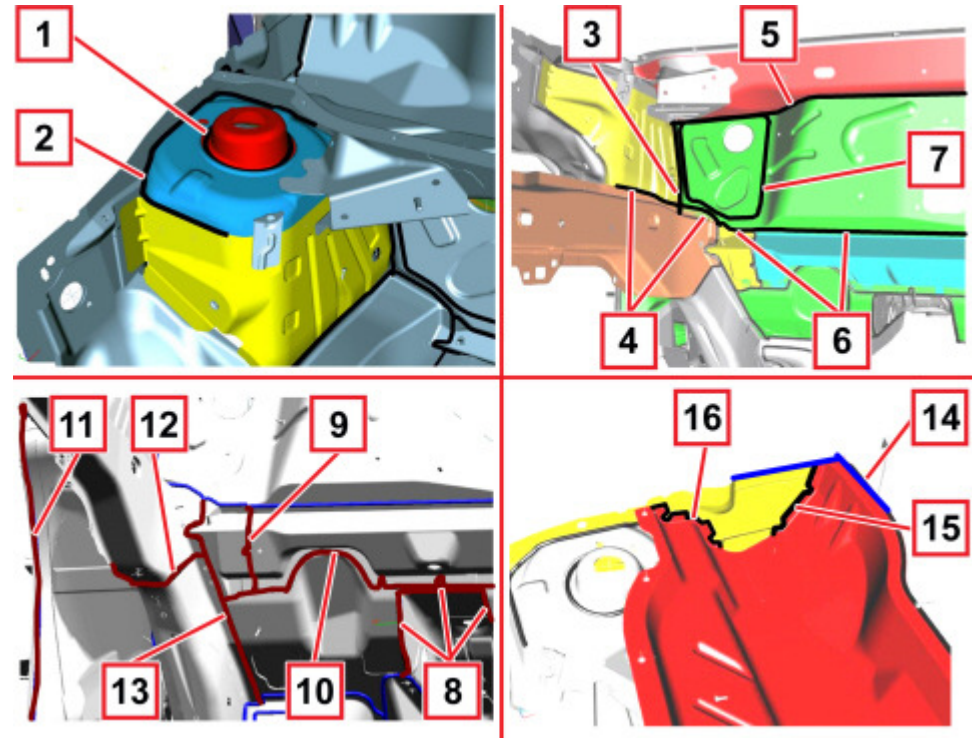
D - Plastic rear crossmember (Xenoy)

SEALANT APPLICATION

When it is not specified, the sealant used is the hot hardening type for interiors.

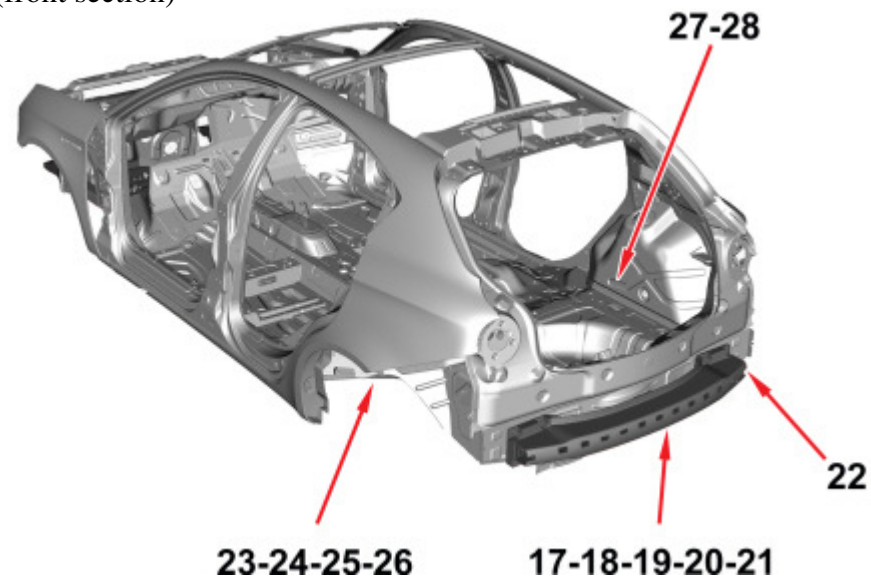


Detailed application of sealant in areas 1 to 16

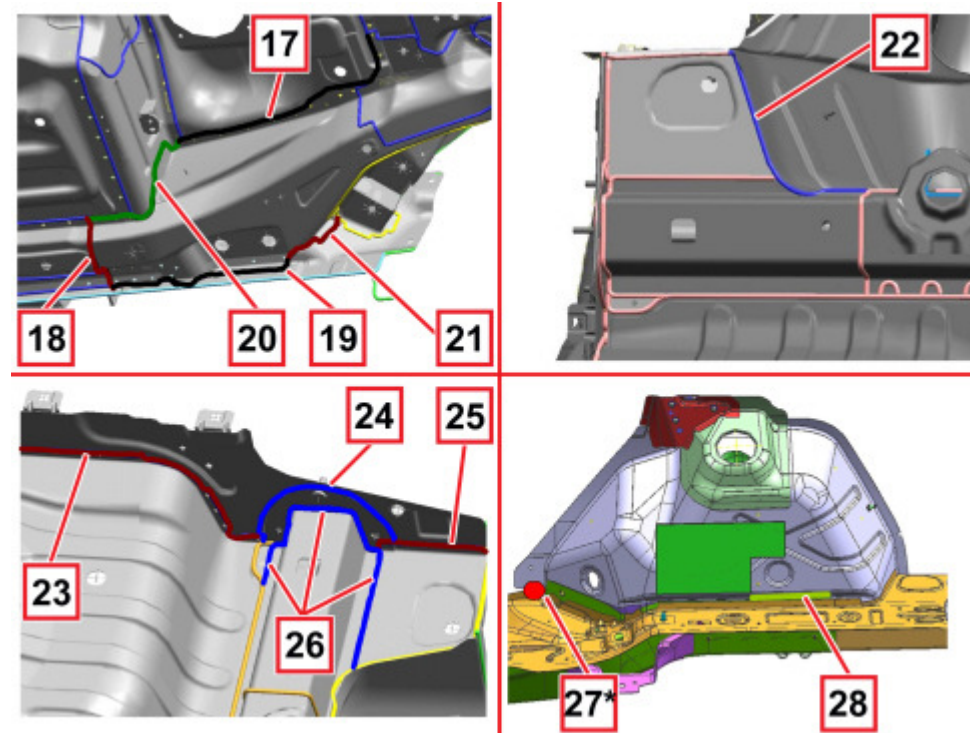


- 1 - Upper pillar for front suspension attachment with front suspension attachment cap
- 2 - Upper pillar for front suspension attachment with front suspension pillar and turret connection crossmember
- 3 - Lower pillar for front suspension attachment with upper dashboard
- 4 - Front strut with lower pillar for attachment of front suspension and upper dashboard
- 5 - Crossmember connecting turrets with upper dashboard
- 6 - Upper dashboard with strut connecting crossmember and crossmember
- 7 - Upper dashboard with reinforcement fixing the pedal assembly (right hand drive only)
- 8 - Front floor tunnel with lower dashboard
- 9 - Crossmember connecting struts with crossmember connection
- 10 - Rear crossmember lower dashboard front strut connection/strut crossmember connection
- 11 - Inner side panel with lower dashboard and lower pillar for front suspension attachment
- 12 - Front strut with rear strut and crossmember connection
- 13 - Rear section front strut with lower dashboard and strut crossmember connection

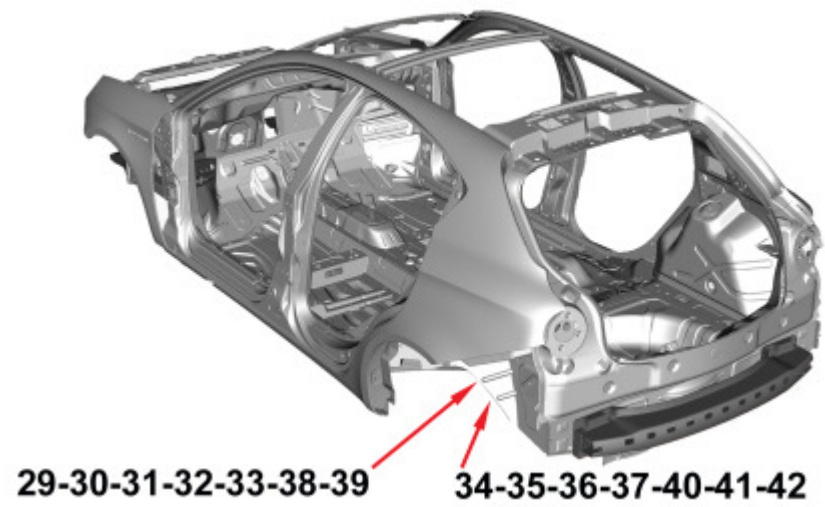
- 14 - Air intake chamber/windscreen lower crossmember
- 15 - Air intake chamber with upper strut box (rear section)
- 16 - Air intake chamber with upper strut box (front section)



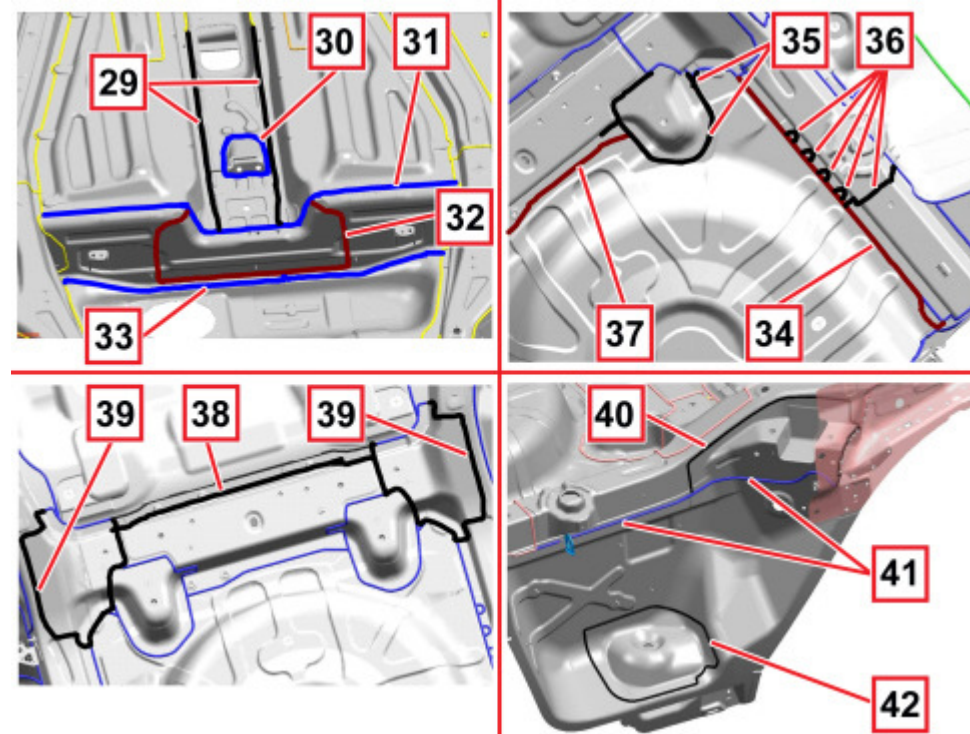
Detailed application of sealant in areas 17 to 28



- 17 - Front section rear floor with rear side member box
 - 18 - Rear side member with rear side member reinforcement and front floor
 - 19 - Lateral side member for rear section with rear side member
 - 20 - Rear under-seat crossmember with rear side member
 - 21 - Lateral side member for rear section with rear side member
 - 22 - Rear wheel arch with rear side member reinforcement and rear side member box (from outside the car)
 - 23 - Rear floor for rear section/rear lower trim
 - 24 - Plate fixing crash box/rear lower trim
 - 25 - Rear lower trim/right side member box
 - 26 - Rear side member/floor/plate
 - 27 - Side member box/rear side member/lateral side member for the rear section
 - 28 - Rear wheel arch with passenger compartment inner vehicle floor, right/left side
- * Heat hardening high consistency filler.



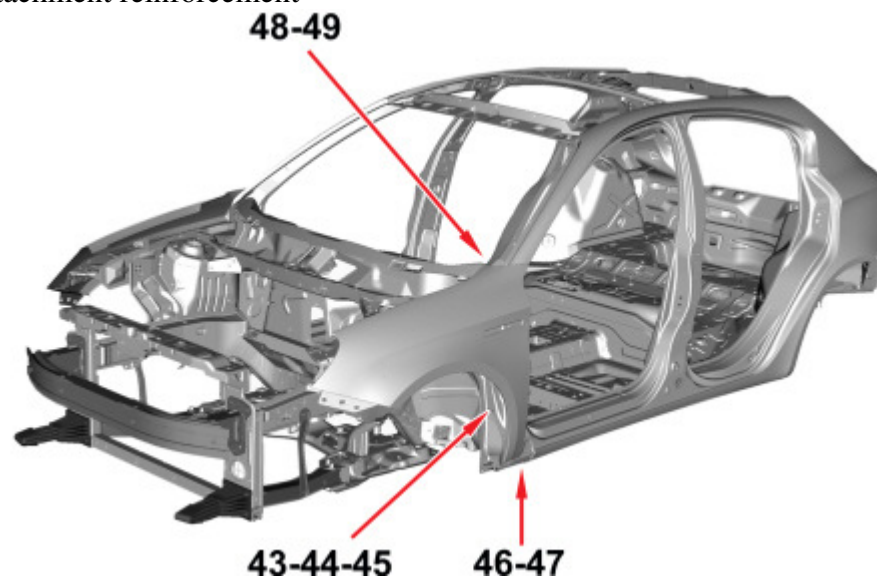
Detailed application of sealant in areas 29 to 42



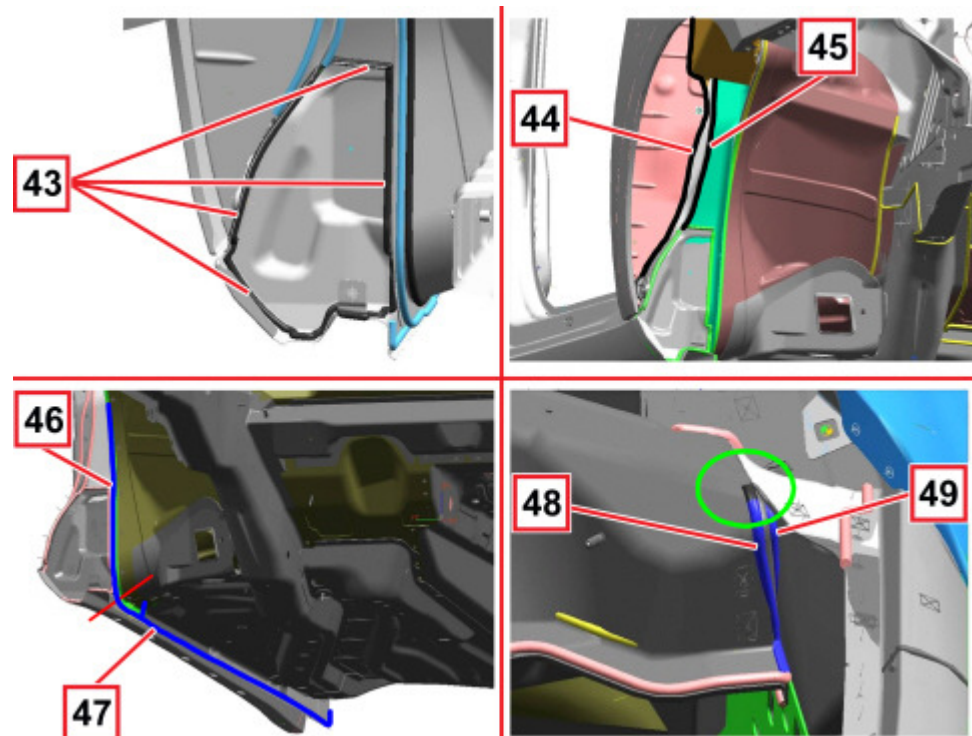
- 29 - Front floor tunnel with front floor
- 30 - Handbrake bracket / tunnel on front floor
- 31 - Rear under-seat crossmember / under-seat crossmember box / right and left floor / tunnel
- 32 - Rear under-seat crossmember / rear crossmember box
- 33 - Rear under-seat crossmember / front section of the rear floor
- 34 - Front section of the rear floor / rear side member
- 35 - Suspension fastening reinforcement / rear section of the rear floor and side member connection crossmember
- 36 - Rear side member reinforcement / rear side member
- 37 - Rear section of the rear floor/rear side member connection crossmember
- 38 - Rear side member connection crossmember / front section of the rear floor
- 39 - Side member connection /rear side member / suspension attachment reinforcement / rear side member connection crossmember/ front section of the rear floor
- 40 - Rear side member/ rear fastening reinforcement

41 - Rear wheel arch/rear side member

42 - Rear wheel arch/shock absorber attachment reinforcement

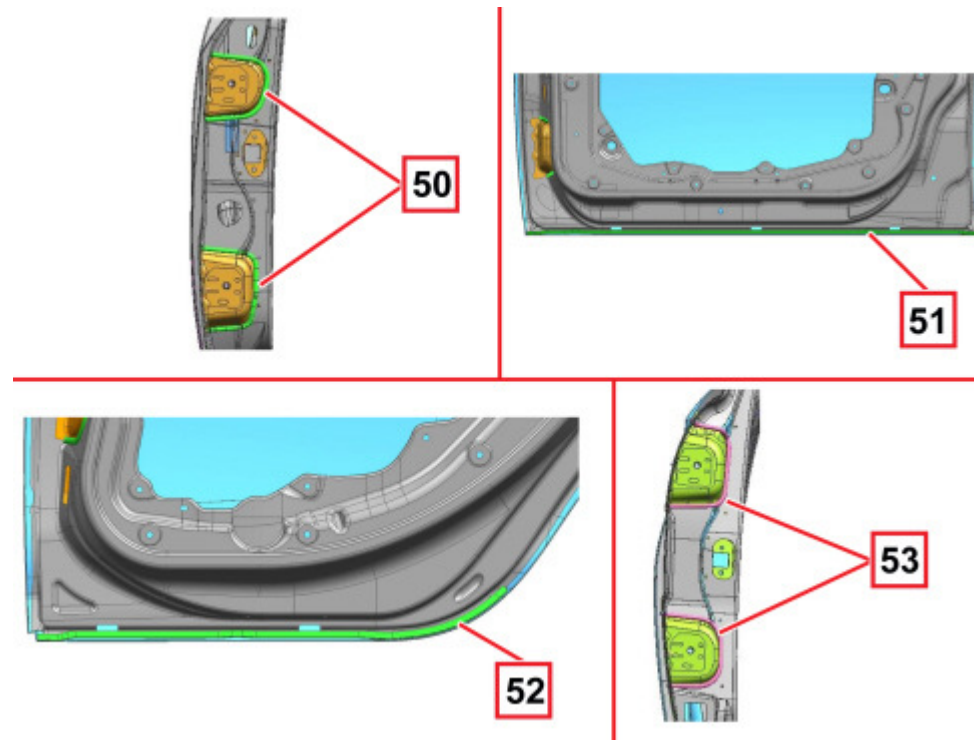


Detailed application of sealant in areas 43 to 49



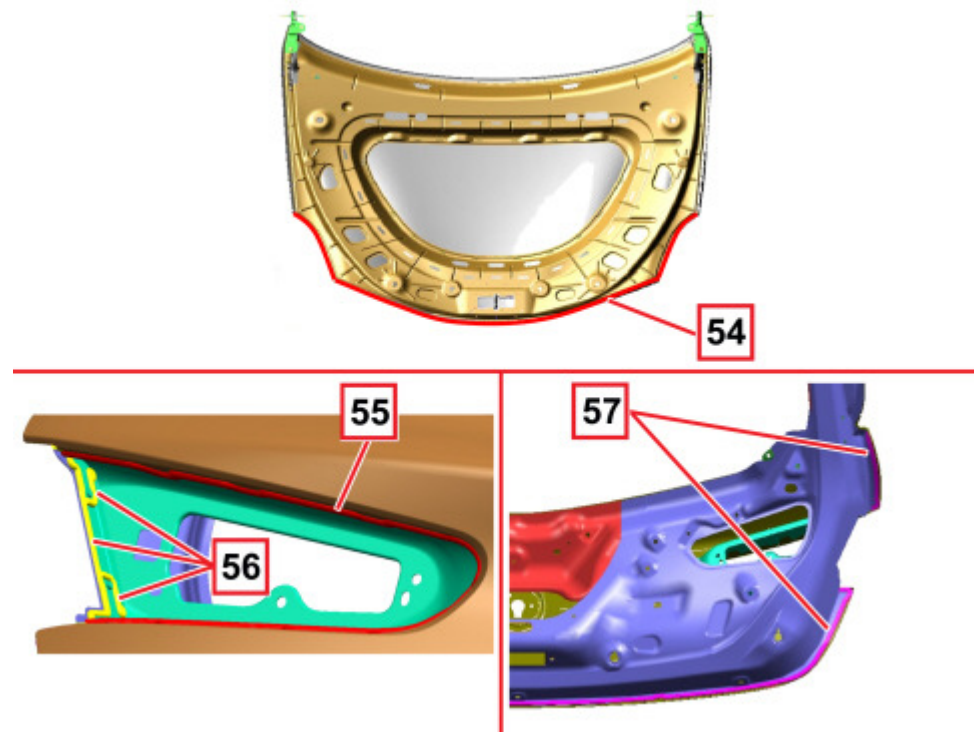
- 43 - Side front closing with front side and pillar reinforcement
- 44 - Front wing rear element with front pillar reinforcement
- 45 - Front pillar reinforcement with external side
- 46 - Front pillar reinforcement / internal side
- 47 - Front pillar reinforcement / internal side / lateral side member
- 48 - Windscreen lower crossmember with windscreen post side member
- 49 - Windscreen lower crossmember with windscreen post side member

Detailed application of sealant in areas 50 to 53

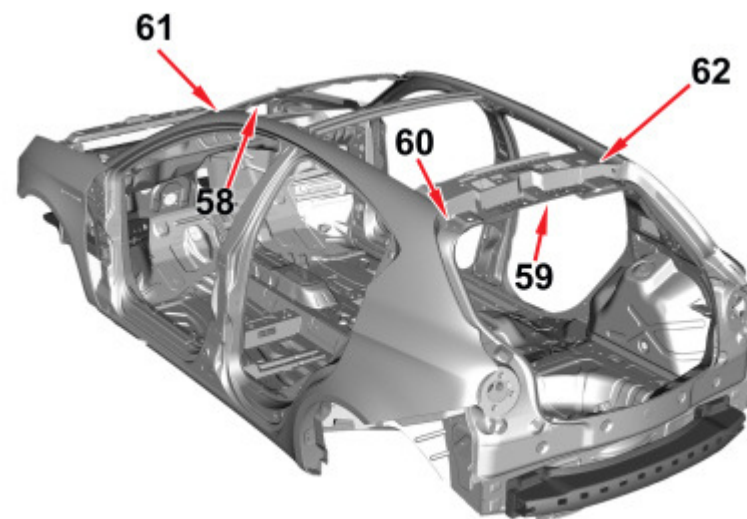


- 50 - Front door frame / pillar reinforcement
- 51 - Front door external trim / front door frame
- 52 - Rear door frame / pillar reinforcement
- 53 - Rear door external trim / rear door frame

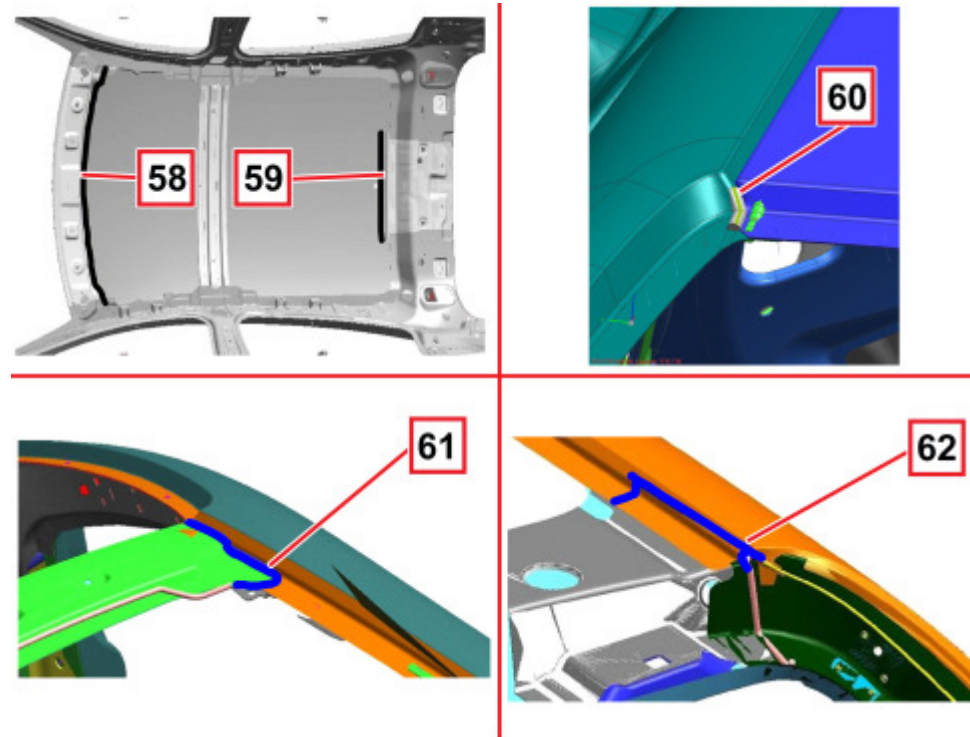
Detailed application of sealant in areas 54 to 57



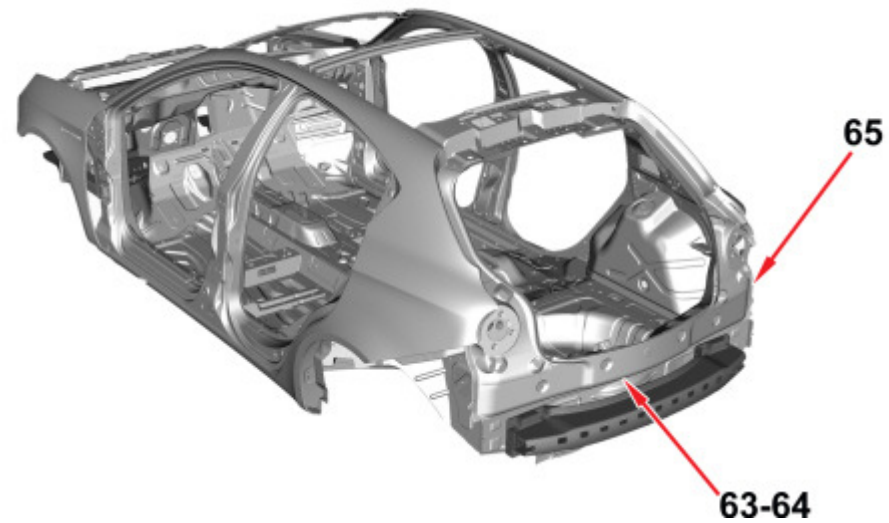
- 54 - Bonnet trim / bonnet frame
- 55 - Partition door exterior / light base
- 56 - Partition door frame / light base
- 57 - Partition door exterior / Partition door frame



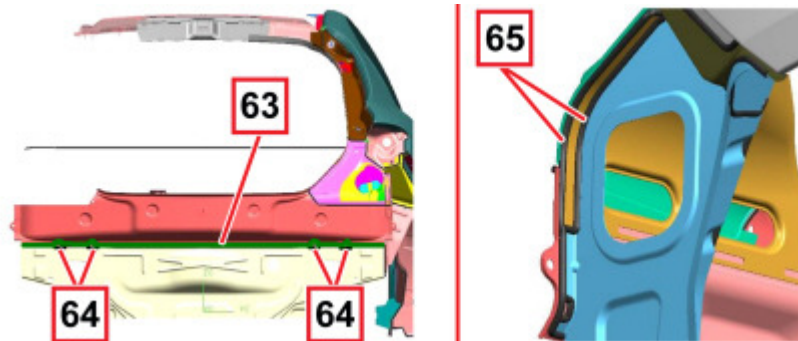
Detailed application of sealant in areas 58 to 62



- 58 - Roof external lining with external side / front crossmember
- 59 - Roof external lining with external side / rear crossmember
- 60 - Right / left side front pillar and roof
- 61 - Roof external lining / external side and upper duct
- 62 - Roof external lining / external side and upper duct



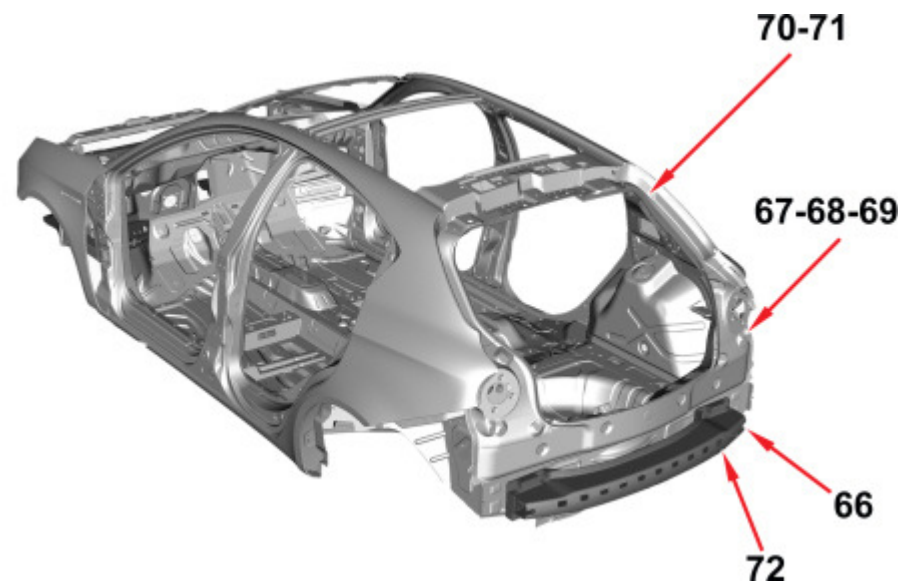
Detailed application of sealant in areas 63 to 65



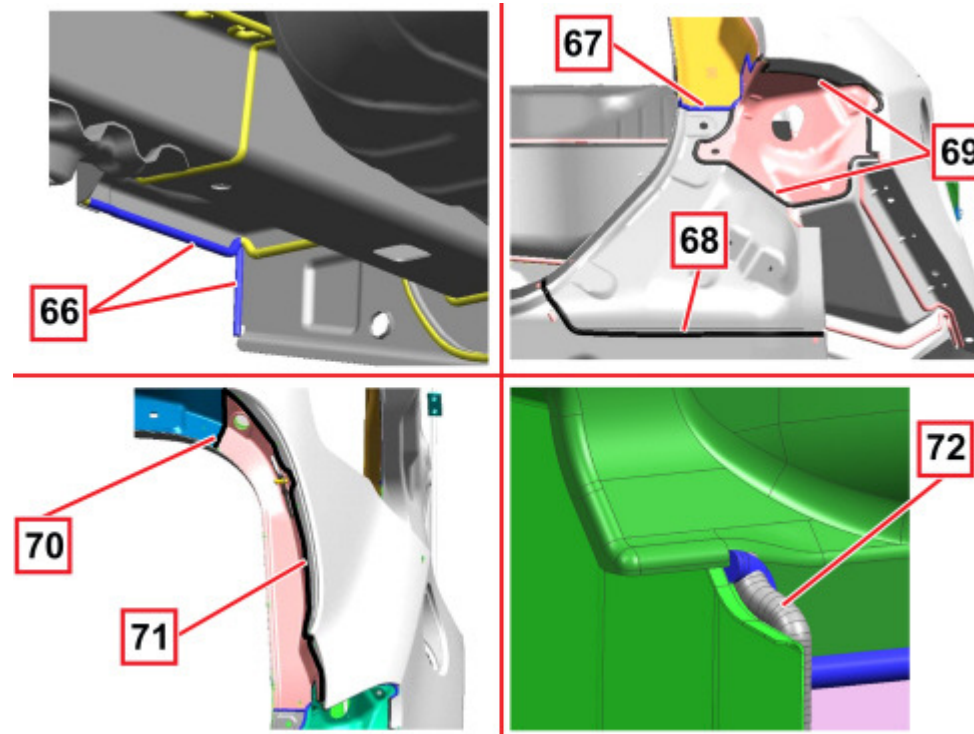
63 - Rear partition rear trim with lower trim

64 - Rear partition rear trim box with lower trim

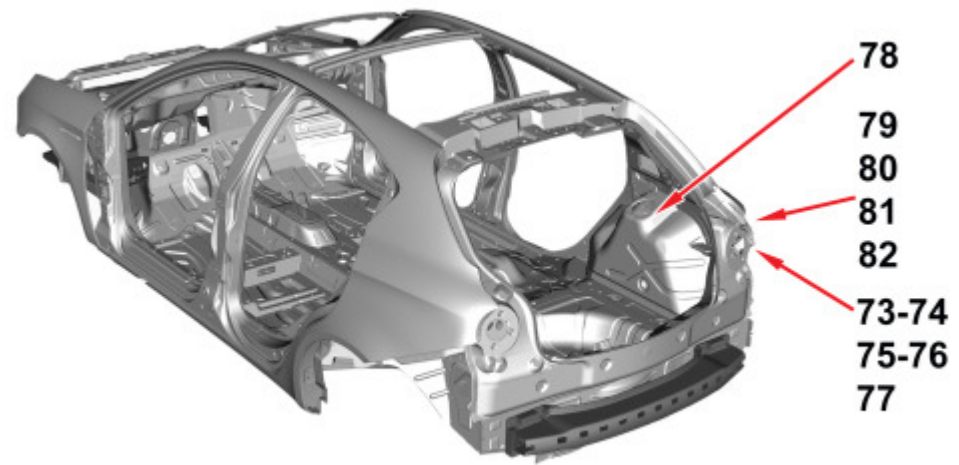
65 - Rear frame (back of body) / light base (side) and lower frame / rear frame element (side frame)



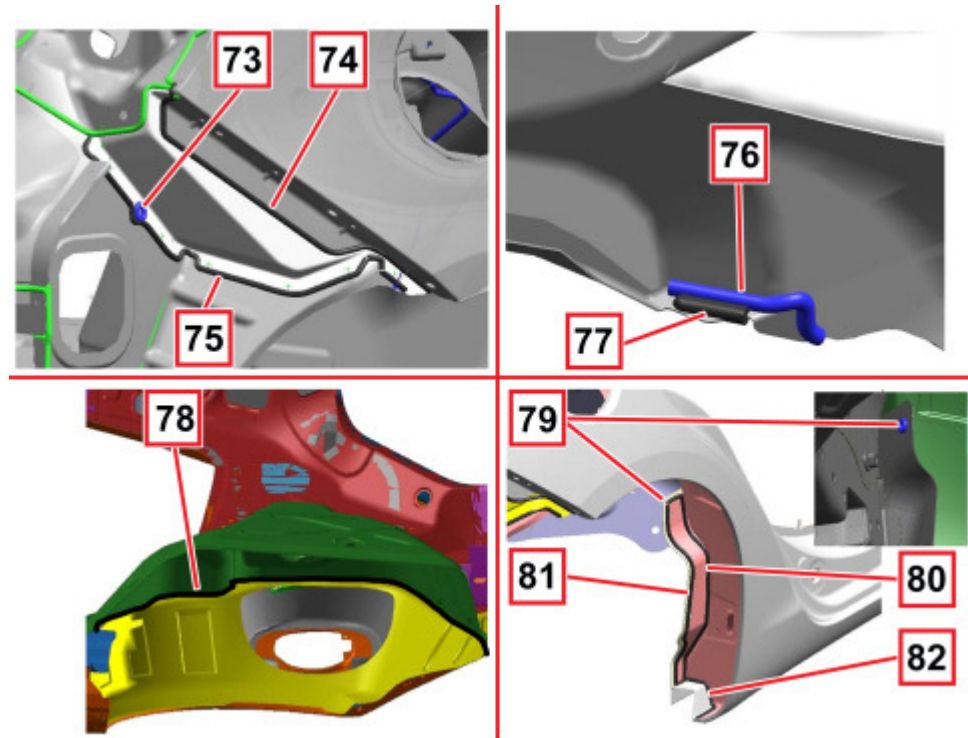
Detailed application of sealant in areas 66 to 72



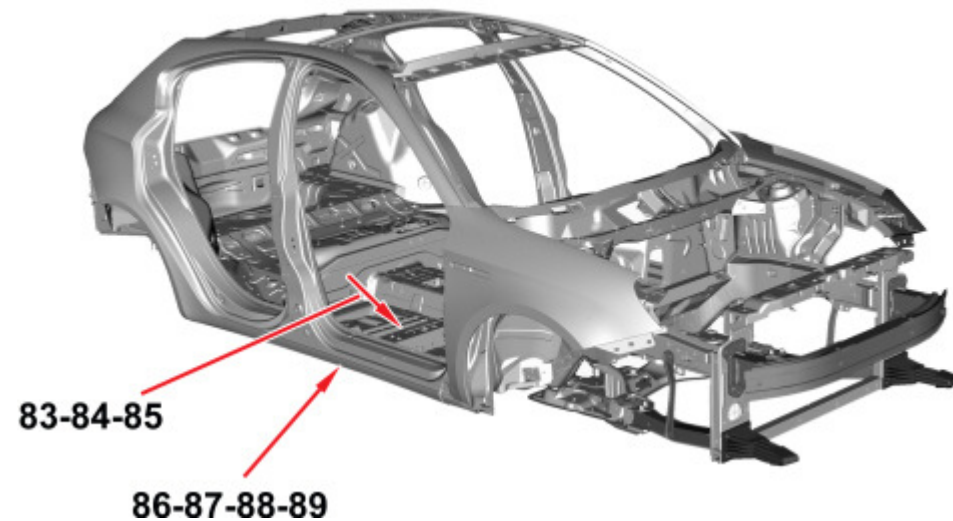
- 66 - Lower element (back of chassis) with right lower frame (side frame)
- 67 - Lower duct / light base element / light base
- 68 - Light base element / upper back
- 69 - Light base element / light base / side
- 70 - Roof / duct
- 71 - Side / duct
- 72 - Side lower element / lower frame



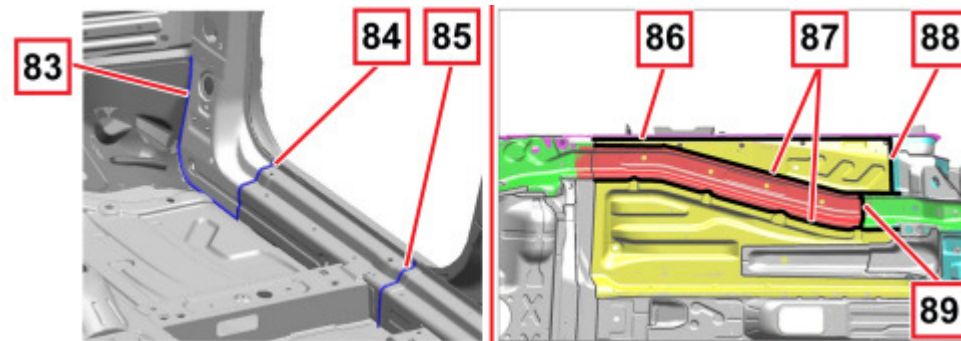
Detailed application of sealant in areas 73 to 82



- 73 - Side element / side frame
- 74 - Side / side element
- 75 - Side element / side frame
- 76 - Lower element / rear external wheel arch
- 77 - Lower element / external side
- 78 - Side frame with external wheel arch
- 79 - Lateral side member / rear external wheel arch
- 80 - Chassis lateral side member / lower connection frame
- 81 - Chassis lateral side member / lower connection frame
- 82 - Rear lower side frame / side



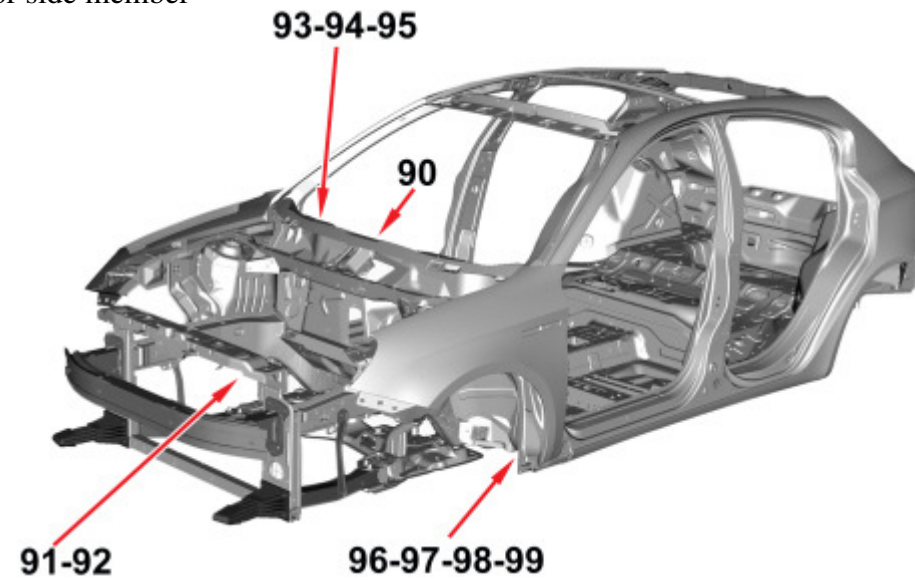
Detailed application of sealant in areas 83 to 89



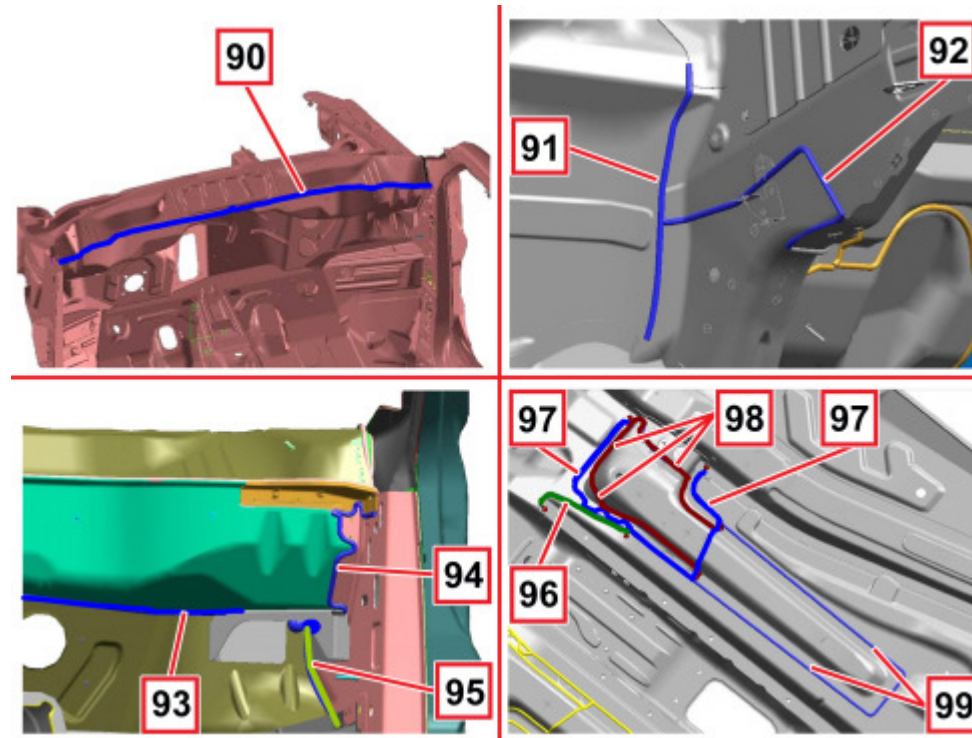
- 83 - Internal side / dashboard
- 84 - Internal side with front side lateral side member
- 85 - Front side lateral side member with rear side lateral side member
- 86 - Front/rear side lateral side member with front floor
- 87 - Under-floor side member with front floor

88 - Lower dashboard / right floor

89 - Rear side front strut / under-floor side member



Detailed application of sealant in areas 90 to 99



- 90 - Air intake chamber - windscreen lower crossmember
- 91 - Rear side front strut / lower dashboard
- 92 - Rear side front strut / strut box
- 93 - Lower dashboard / air intake chamber
- 94 - Air intake chamber / internal side
- 95 - Lower dashboard / right / left side internal side
- 96 - Front floor with lower dashboard
- 97 - Internal reinforcement fixing under-floor side member lower mechanical crossmember with front floor
- 98 - Internal reinforcement fixing lower mechanical crossmember with internal reinforcement fixing upper mechanical crossmember
- 99 - Front floor and under-floor side member