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1996 JEEP Cherokee OEM Service and Repair Workshop Manual

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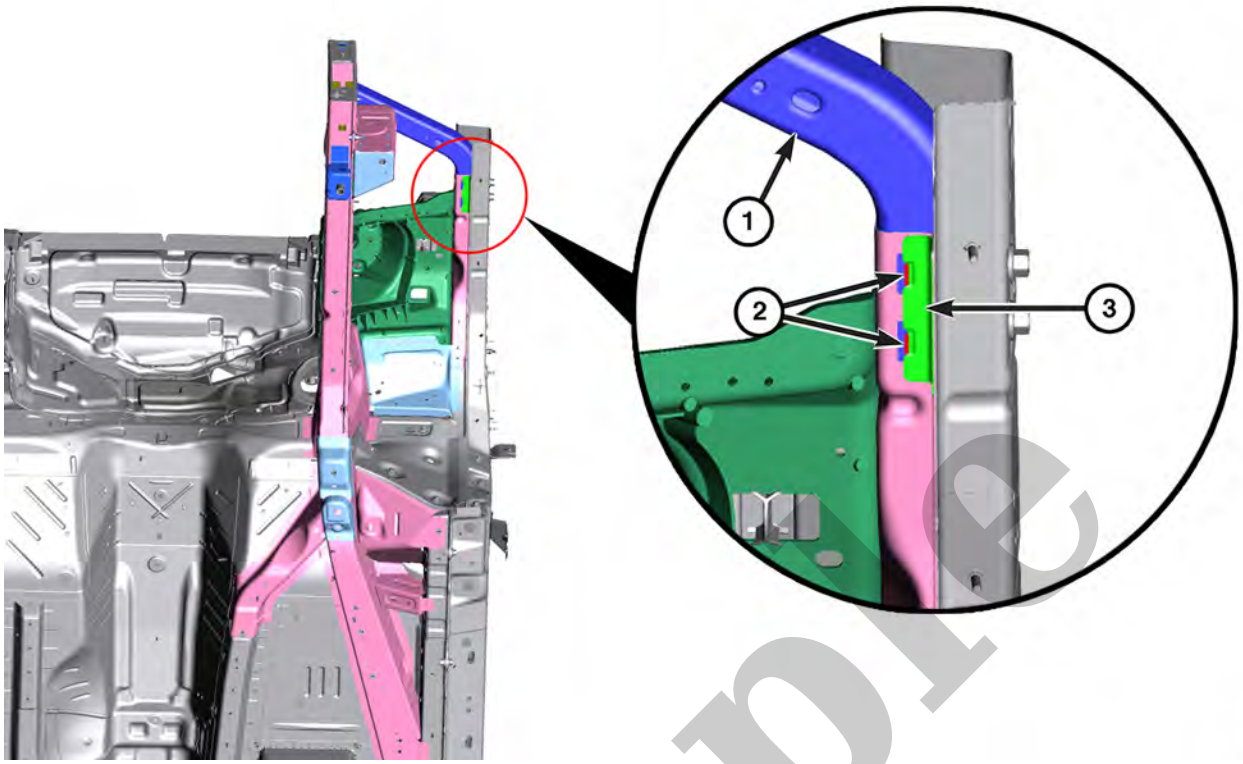
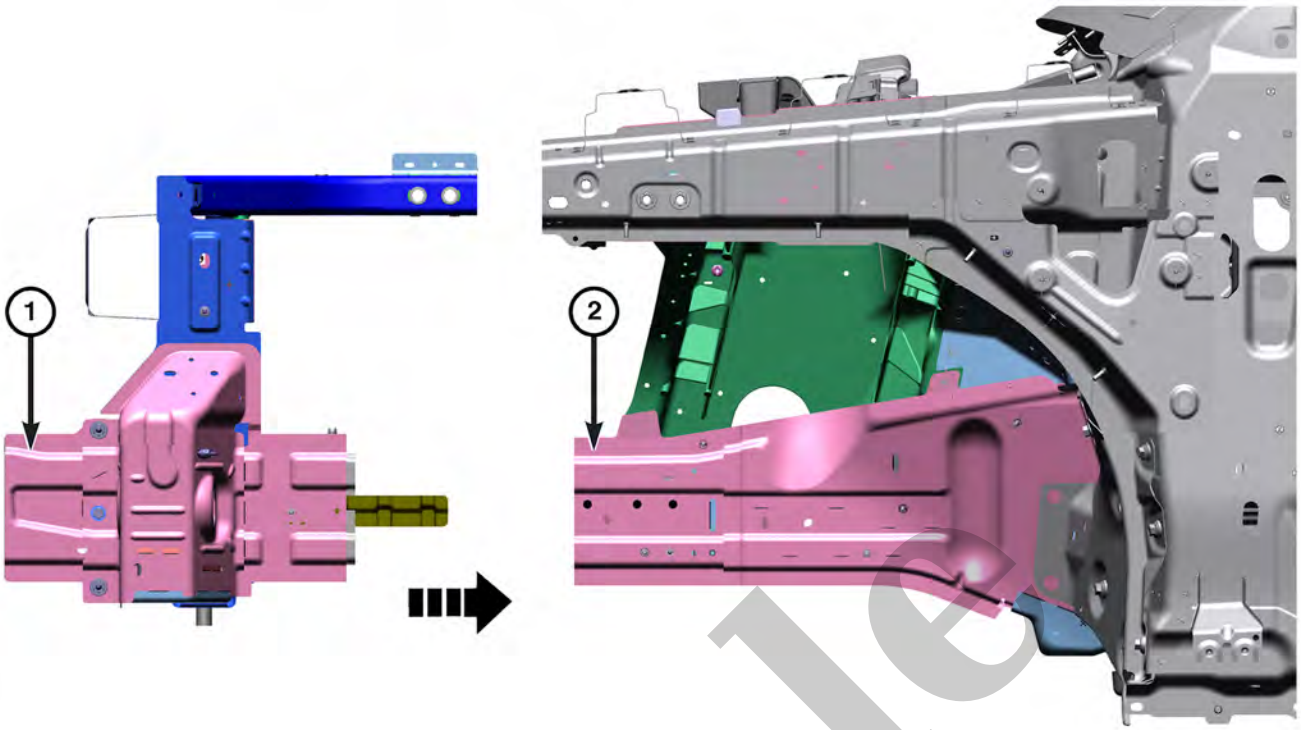


NOTE

Use care to only remove the weld beads (2) and not the base metal from the hrydro-form tube (1) and the load path bracket (3).

25. With the use of a grinding disc or equivalent, remove the two weld beads (2) from the hrydro-form tube (1) and load path bracket (3).

26. Repeat on the front frame rail service part assembly.



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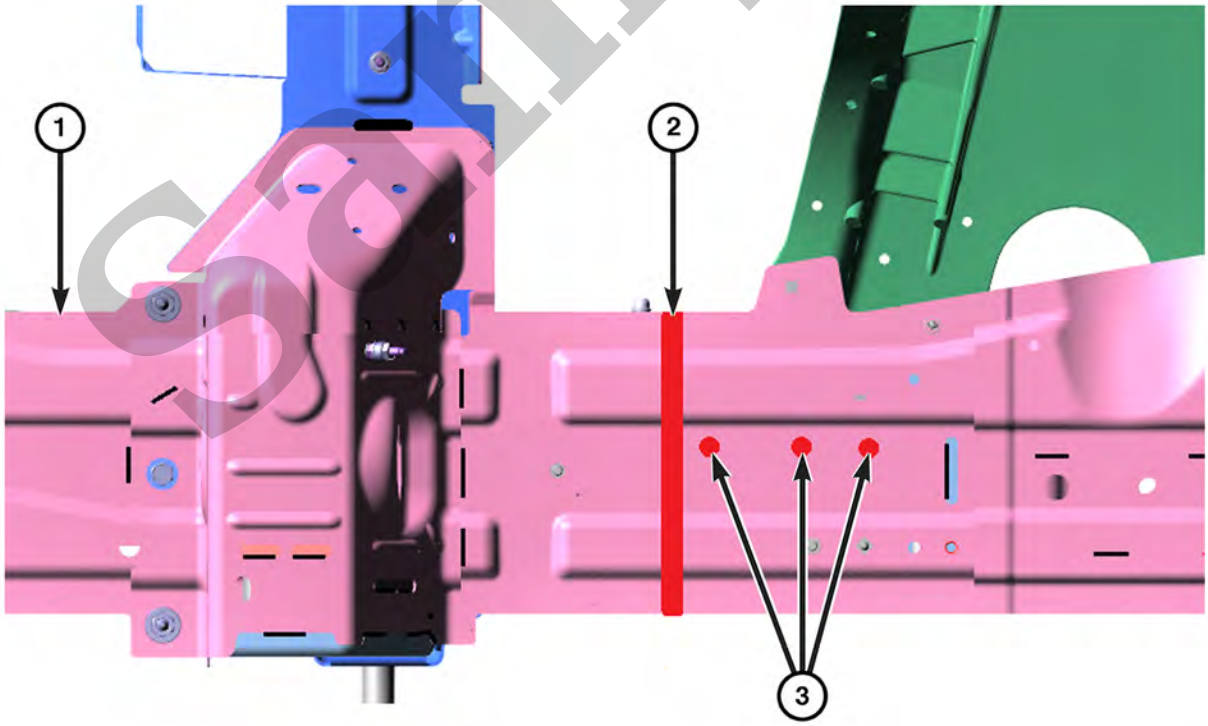
4. Position the lower rail service part portion (1) to the lower rail on the vehicle (2).



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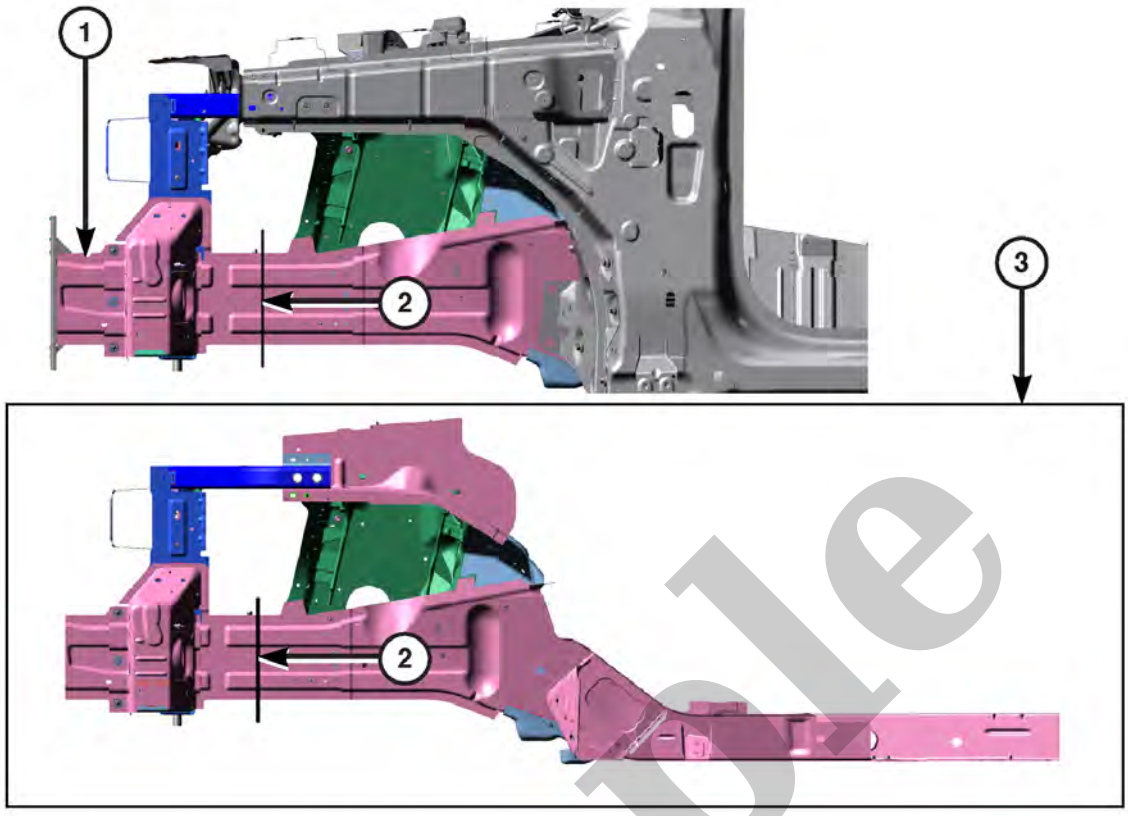


NOTE

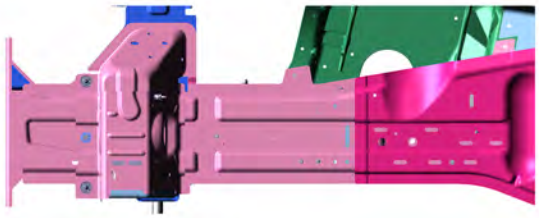
Left side shown, right side similar.

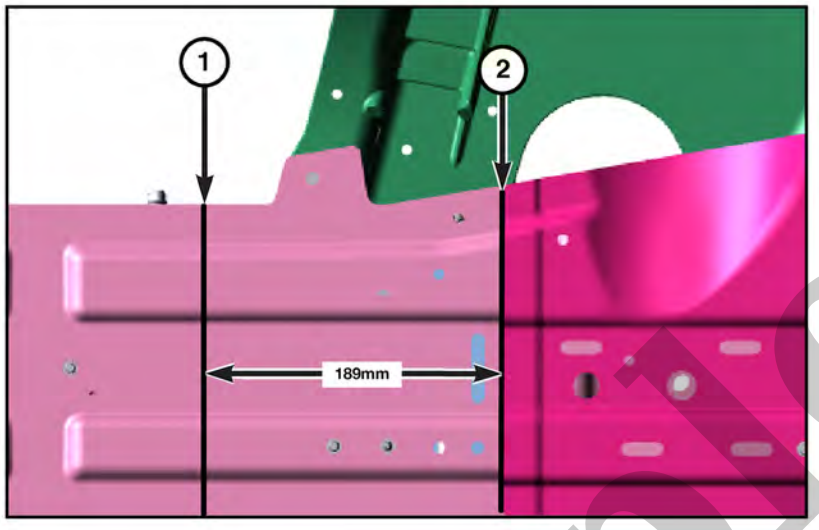
1 - Front Frame Rail
2 - Sectioning Cut Line
3 - Front Frame Rail Service Part Assembly

WARNING

Sectioning of components may only be performed in the described areas if damage to component does not extend past sectioning location. Should damage extend past sectioning location entire component replacement is the only acceptable repair.

WARNING





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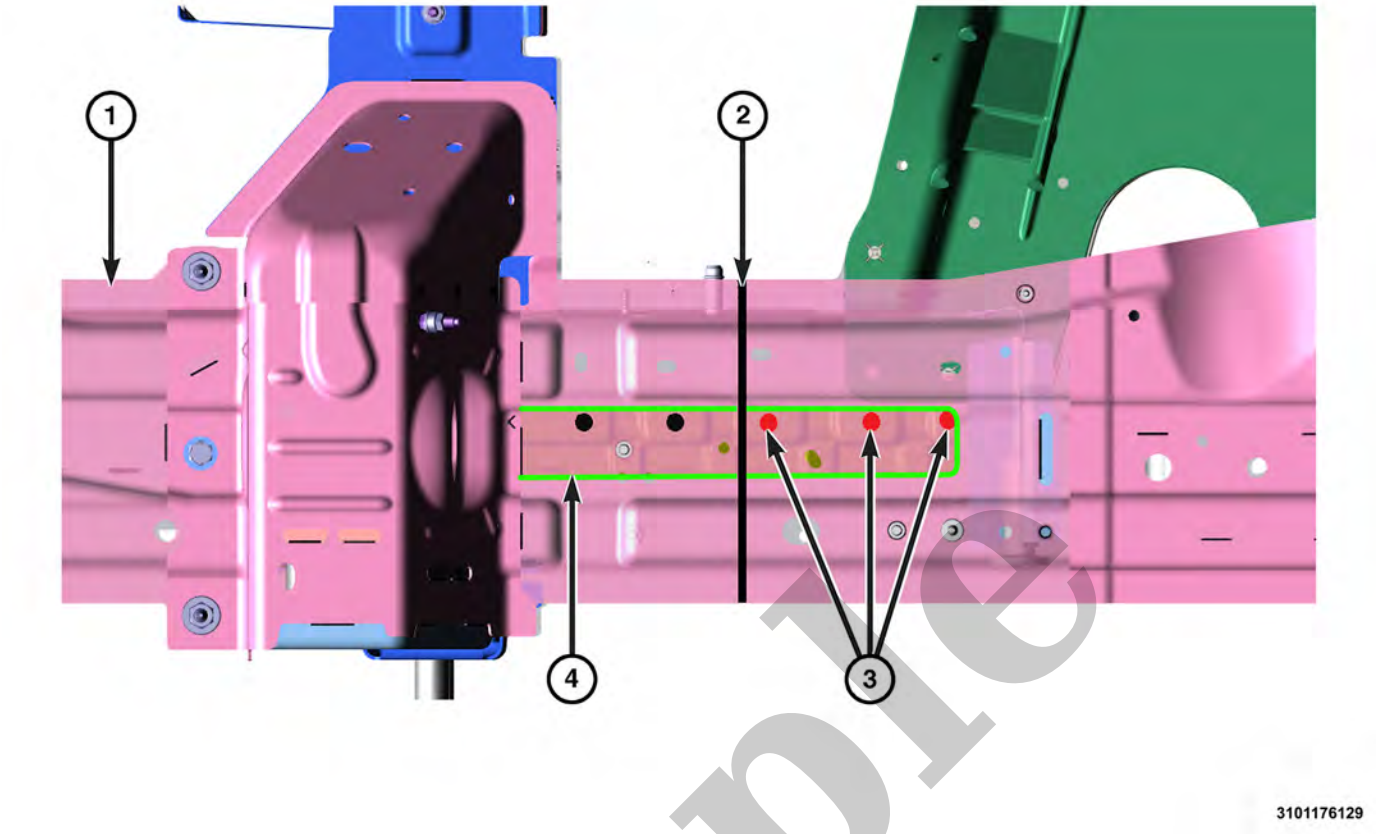
4. From the front edge of the rear portion of the front rail (2), measure forward 189 mm (7.4 in) and mark (1). This can be repeated as necessary, following the straight edge of the rear portion and measuring straight forward.

5. With the use of a square or equivalent, mark the sectioning line (2) on the inner and outer lower rail.



CAUTION

To prevent damage to the Inner Reinforcement , extreme care must be taken while cutting the rail.

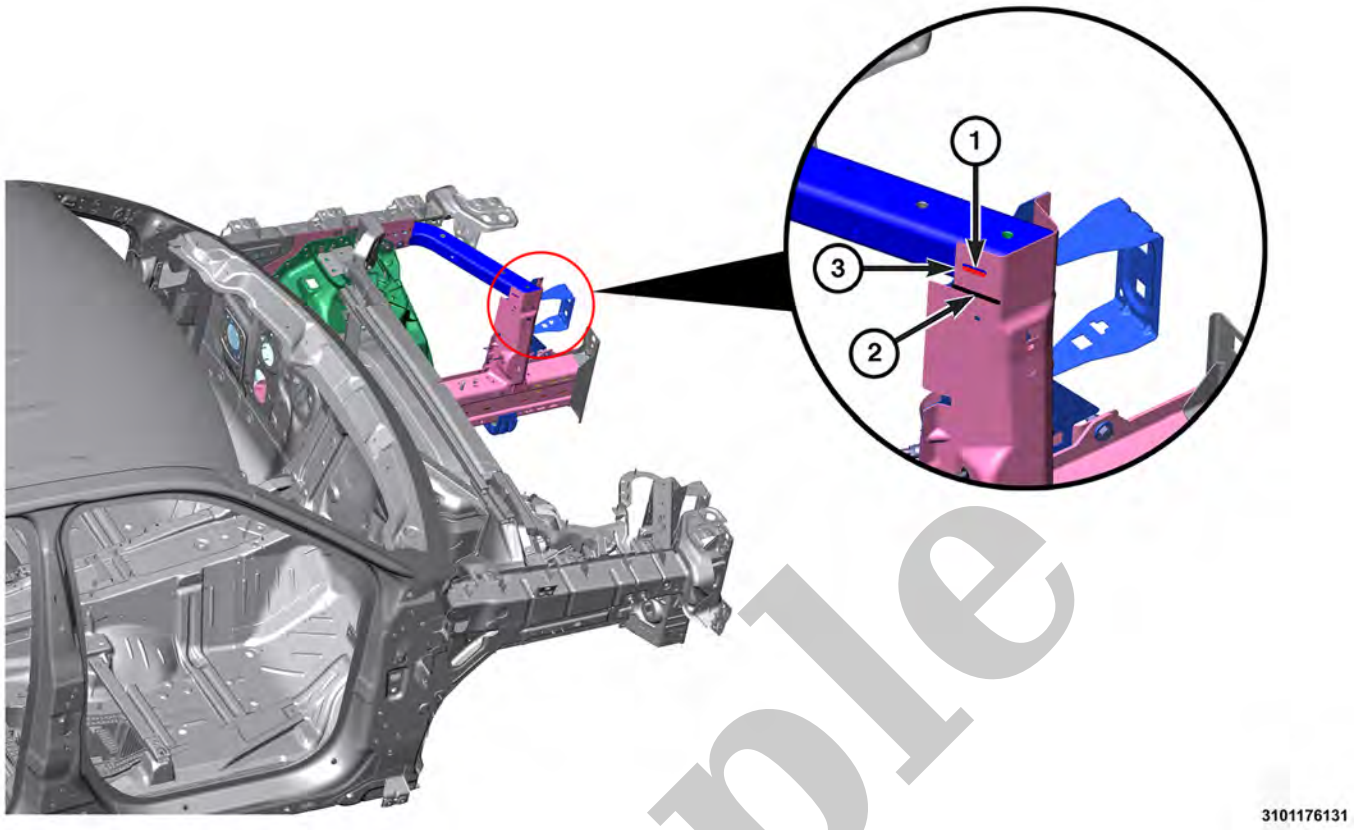
NOTE

Outer front frame rail (1) shown transparent to identify the underlying front frame rail reinforcement (4).

11. With the use of a 8 mm Blair Rotabroach© cutter bit or equivalent, remove the three spot welds (3) rearward of the sectioning line (2).

NOTE

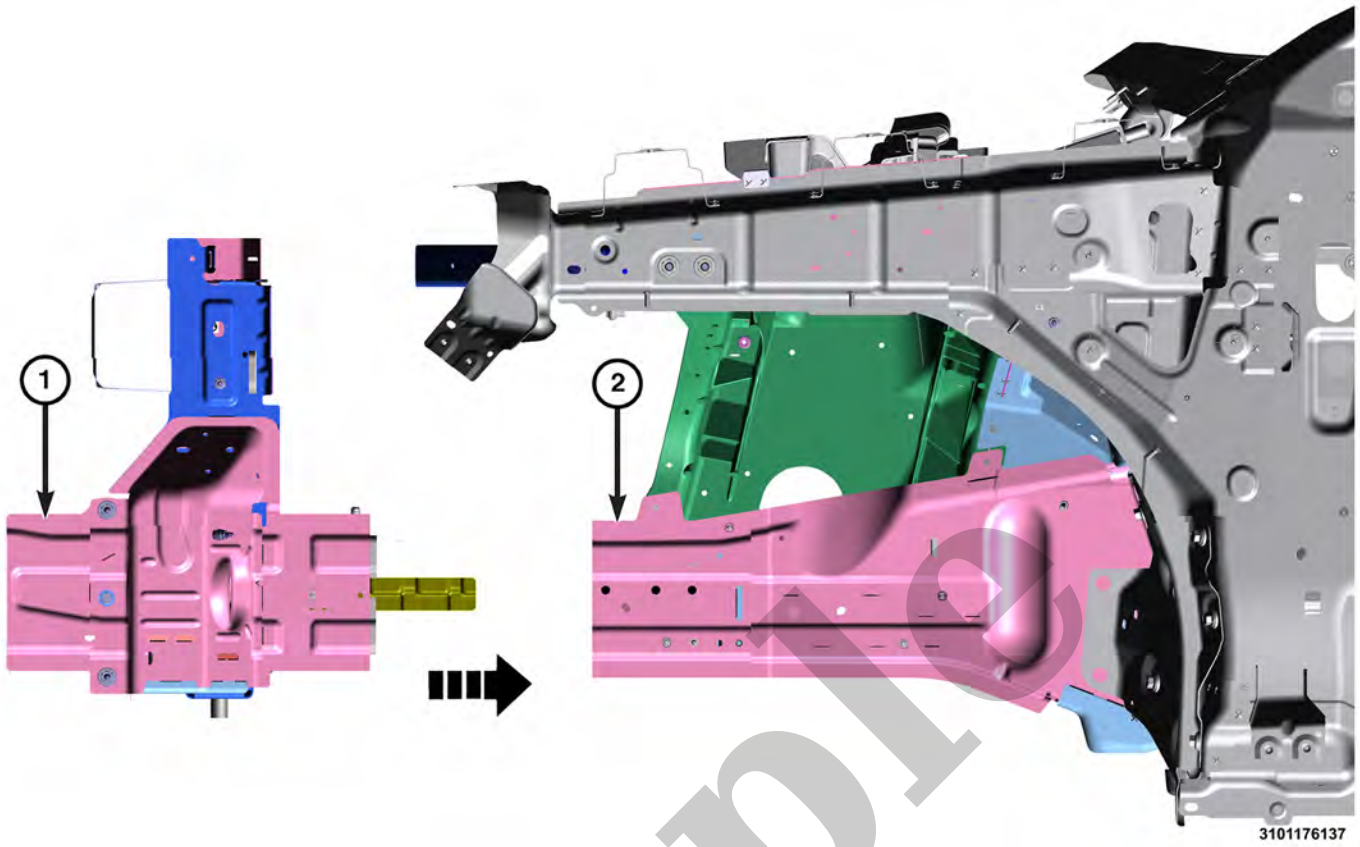
Use care to only cut through the outer frame rail (1) and not the inner reinforcement (4). This is especially important on the service part.



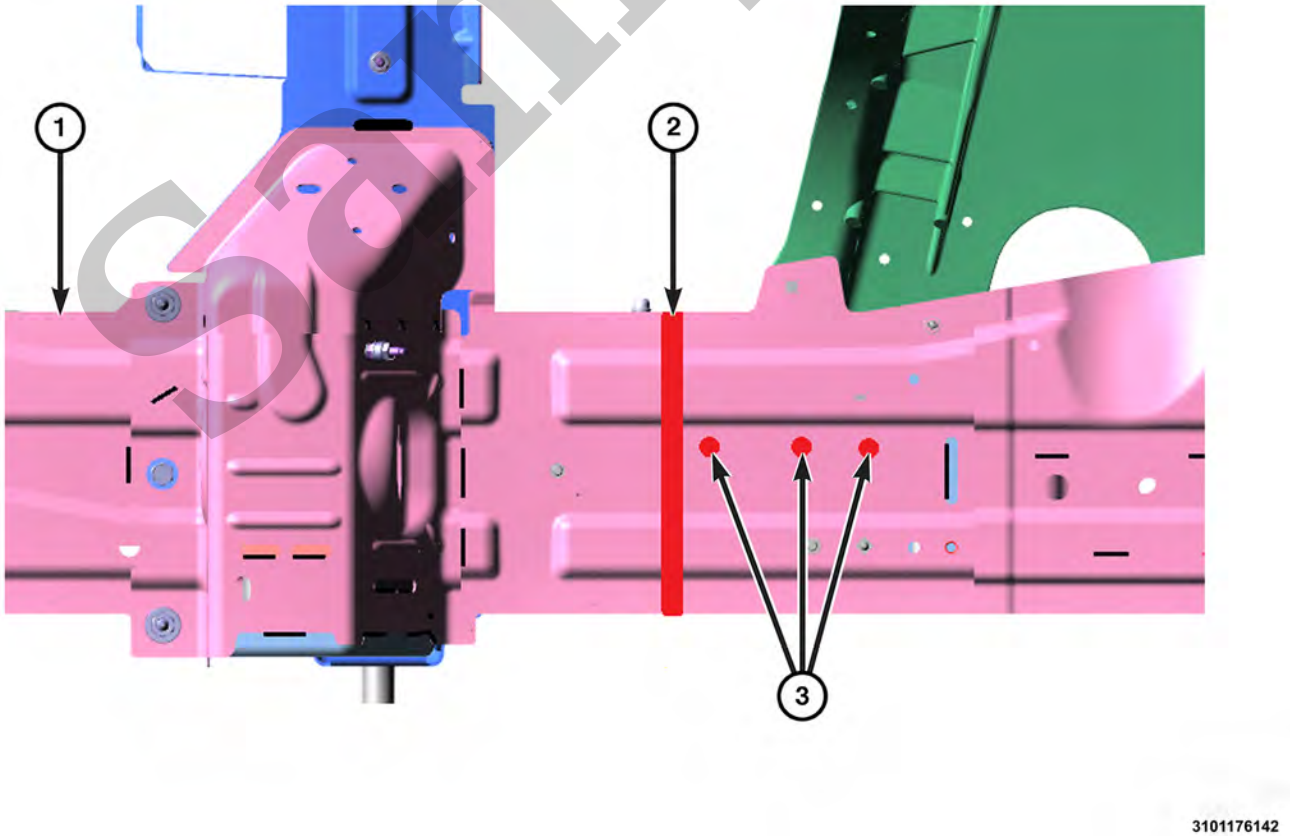
NOTE

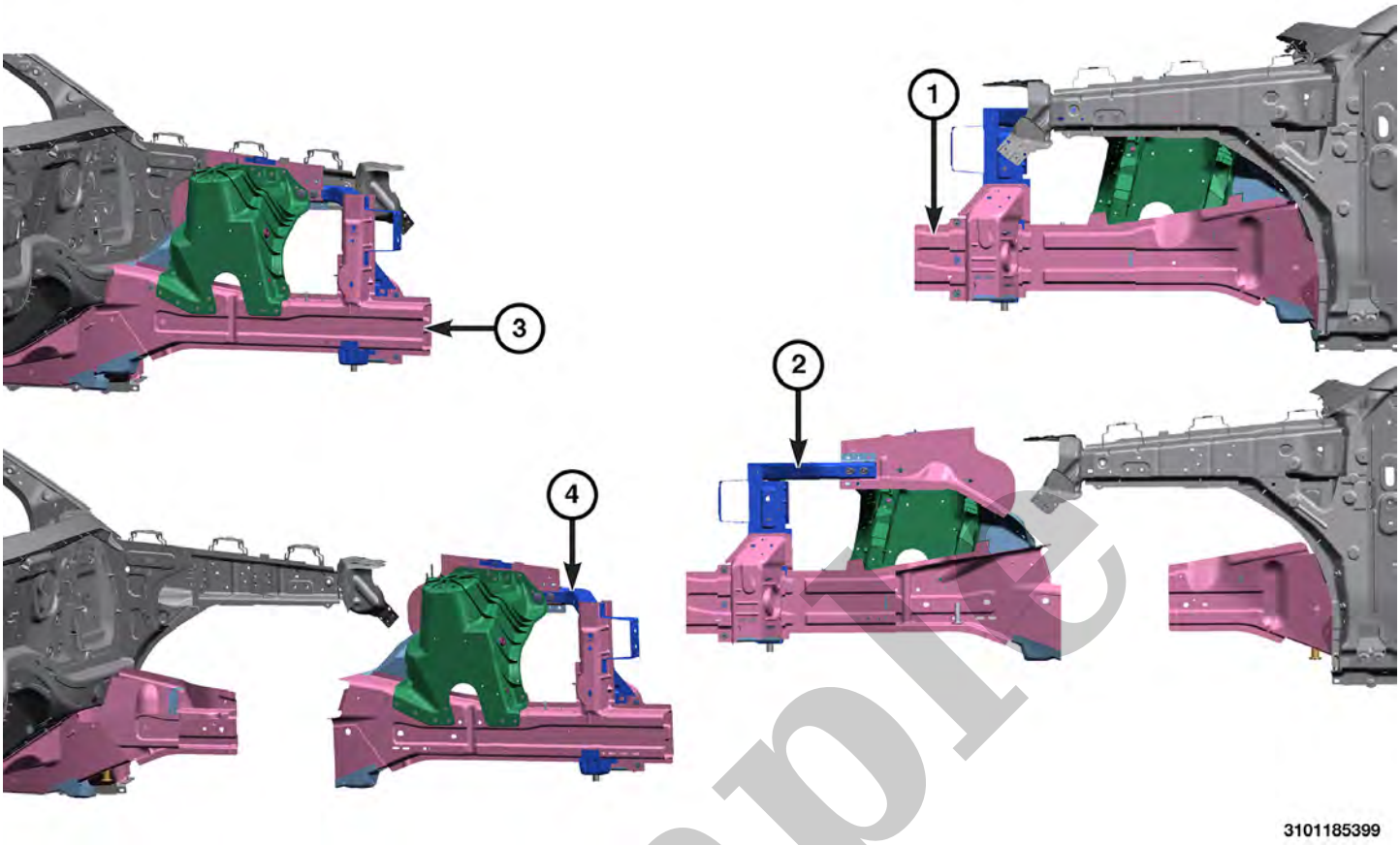
Use care to only remove the weld bead (1) and not the base metal from the hrydro-form tube and the rail upper support (3).

20. With the use of a grinding disc or equivalent, remove the slot weld (1) from the front of the rail upper support (3).
21. With the use of a reciprocating saw or equivalent, cut the rail upper support (3) along the cut line (2) shown. Use care to only cut the rear edge of the rail upper support.
22. Bend the created tab at the top away from the hydro-form tube approximately 90 degrees. This will allow forward removal of the lower frame rail section..
23. Repeat on the front frame rail service part assembly.



4. Position the lower rail service part portion (1) to the lower rail on the vehicle (2).





The shock tower, front rail, inner load path beam and closure panel are replaced as a partial assembly.

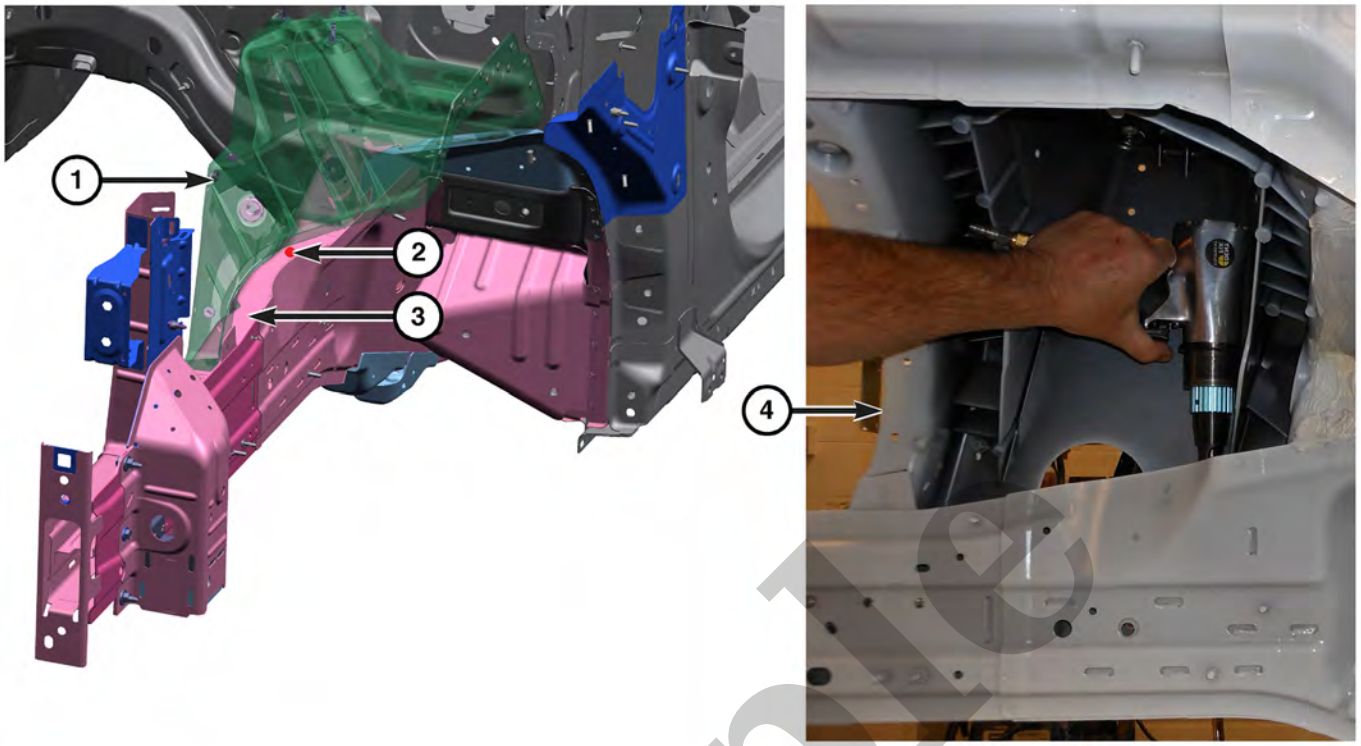
1 - Front Frame Rail (Exterior View)
2 - Front Frame Rail Partial Assembly (Exterior View)
3 - Front Frame Rail (Interior View)
4 - Front Frame Rail Partial Assembly (Interior View)

REMOVAL

NOTE

A spot weld removal drill equipped with a tungsten carbide bit is recommended for aiding in spot weld removal. All spot welds are to be removed with an 8 mm (5/16 in) bit unless otherwise called out in the step.

- Use a spot weld removal tool such as DentFix® Spot Annihilator model #DF15DX, or equivalent.



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NOTE

There is a spot weld (2) located on the top of the inner frame rail (3) toward the rear of the rail, within the strut tower opening (4).

NOTE

Front suspension tower (1) shown transparent and other components removed for clarity.

8. Locate the spot weld (2) on the top of the inner frame rail (3).

9. Accessing from the exterior of the vehicle, within the front suspension tower (1), release the spot weld (3).
   DO NOT drill into the underlying component.