Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1998 JEEP Grand Cherokee OEM Service and Repair Workshop Manual

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All measurements are in millimeters.

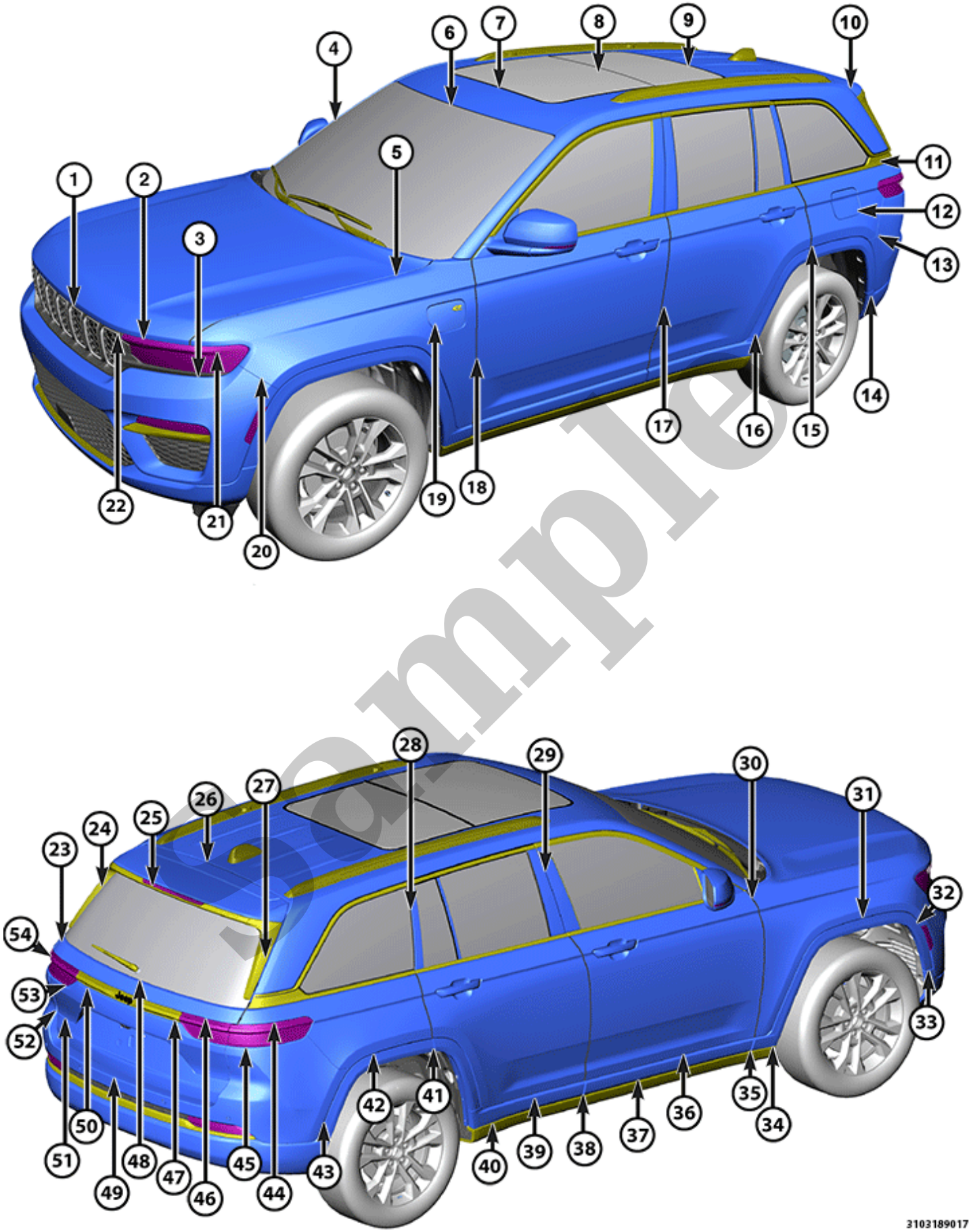
- **O/F = Over Flush**
- **U/F = Under Flush**
- **U/D = Up/Down**
- **F/A = Fore/Aft**

DIMENSION	DESCRIPTION	GAP	FLUSH
1	Hood to Upper Grill Bezel	8.0 at center +/- 1.5 at rings 8.5 at outboard pillar Parallel within 1.5	Grille U/F at rings 6.9 +/- 1.5 2.6 at outboard pillar Transition to O/F 1.0
2	Headlamp to Hood	7.4 at center +/- 1.9 Transition to 7.0 at outboard Parallel within 1.5	Headlamp O/F inboard 0.7 +/- 1.5 Transition to O/F 1.0 to 0.4 outboard
3	Headlamp to Upper Front Fascia Applique	1.5 +/- 1.2 U/D 2.0 +/- 1.5 Cross car	Applique O/F 2.2 +/- 1.0 at inboard Transition to 1.2 outboard
4	Windshield to Body Side Aperture	0.0 to seal	Aperture O/F 3.5 +/- 1.7 at bottom Transition to 3.2 at top
5	Hood to Fender	3.5 +/- 1.0 Transition to 5.7 at front incline Parallel within 1.0 Side to side within 1.0	Hood U/F 1.0 at center Transition to 1.7 at front to 0.0 at rear
6	Windshield to Roof	0.0 to seal	Windshield U/F 2.0 +/- 1.7
7	Sunroof Glass to Roof at Front	0.0 to seal	Glass U/F 1.7 to 0.0 +/- 1.5 Consistent within 1.0
8	Sunroof Glass to Roof at Rear	0.0 to seal	Glass O/F 1.1 to 0.0 +/- 1.5 Consistent within 1.0

DIMENSION	DESCRIPTION	GAP	FLUSH
43	Upper Fascia to Liftgate	Cross car 4.0 +/- 1.5 Transition to 6.5 Parallel within 1.6	Fascia O/F 14.7 +/- 1.5
43	Upper Fascia to Liftgate	U/D car 6.5 +/- 1.5 Transition to 4.0 Parallel within 1.5	Fascia O/F 14.7 +/- 1.5
44	Liftgate Molding to Liftgate Glass	3.7 +/- 1.3 Parallel within 1.4	—
45	Light Bar Cladding to Liftgate	1.0 +/- 1.0	Cladding O/F 0.2 +/- 1.5 Transition to 5.0 outboard
46	Light Bar Cladding to Upper Fascia	4.0 +/- 1.5 Parallel within 1.5 Side to side within 1.5	Cladding U/F 1.0 +/- 1.5 at top Cladding U/F 11.1 +/- 1.5 at bottom Consistent within 1.5
47	Body Side Aperture Lamp to Liftgate Lamp	4.1 +/- 1.5 Parallel within 1.5 Side to side within 1.6	Aperture Lamp O/F 1.0 +/- 1.5 Consistent within 1.5

SHORT WHEEL BASE (WL 74)

DIMENSION	DESCRIPTION	GAP	FLUSH
18	Fender to Front Door	4.0 +/- 1.0 Transition to 4.3 at top Parallel within 1.0	Fender O//F 0.5 +/- 1.0 Transition to 0.0 at top Consistent within 1.5
19	Front Fascia to Fender	0.0 + 0.5	0.0 +/- 0.5
20	Headlight to Fender	1.5 +/- 1.2 Transition to 3.5 at upper front	—
21	Headlamp to Upper Grille Bezel	2.5 +/- 1.5 Parallel within 1.5 Side to side within 2.1	—
22	Liftgate Applique to Body Side Aperture	6.2 +/- 1.7 Parallel within 1.4	Applique U/F 0.8 +/- 1.5 Consistent within 1.5
23	D-Pillar Applique to Liftgate Glass	0.0 to seal 2.0 +/- 1.5 to glass	—
24	Spoiler to Liftgate Glass	2.0 +/- 1.8	—
25	Liftgate to Roof	6.0 +/- 1.4 Parallel within 1.5	Liftgate U/F 2.0 +/- 1.0 Consistent within 1.7
26	D-Pillar Applique to Body Side Aperture	6.0 +/- 1.5	Applique O/F 0.2 +/- 1.5 Transition to 1.4 at bottom
27	C-Pillar Applique to Quarter Glass	0.0 to seal 4.0 +/- 1.5 Parallel within 1.5	Applique O/F 2.0 +/- 1.5 Consistent within 1.5
28	Front B-Pillar Applique to Rear B-Pillar Applique	4.0 +/- 1.5 Parallel within 1.5	Front O/F 0.2 +/- 1.5 Consistent within 1.5
29	Fender to Body Side Aperture	3.0 +/- 1.3 Parallel within 1.3	Fender U/F 0.3 +/- 1.3 at inboard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DIMENSION	DESCRIPTION	GAP	FLUSH
			Side to side within 1.3
31	Fender Wheel Flare to Fender (All trims except Overland)	0.0 +/- 1.0	Flare O/F 2.8 +/- 2.0 at front Transition to 5.2 at rear
31	Fender Wheel Flare to Fender (Overland)	0.0 +/- 1.0	Flare O/F 1.7 +/- 2.0 at front Transition to 5.2 at rear
32	Fender Wheel Flare to Upper Fascia (All trims except Overland)	0.0 +/- 1.0	Flare U/F 0.2 +/- 1.0 Transition to O/F 3.0 at top
32	Fender Wheel Flare to Upper Fascia (Overland)	0.0 +/- 1.0	Flare U/F 0.2 +/- 1.0 Transition to O/F 2.0 at top
33	Fender Wheel Flare to Lower Fascia	2.0 +1.0 /- 2.0 Parallel within 2.0	0.0 +/- 2.0 Consistent within 2.0
34	Fender Wheel Flare to Sill Molding	3.5 +/- 2.0	Flare O/F 0.1 +/- 2.0 at front Transition to U/F 2.2 at rear
35	Fender Wheel Flare to Front Door Lower Molding	5.6 +/- 2.0	Flare O/F 0.5 +/- 2.0
36	Front Door Lower Molding to Front Door (Base)	0.0 +/- 1.0	Molding O/F 11.2 +/- 1.1 Transition to 6.6 at front
36	Front Door Lower Molding to Front Door (Summit)	0.0 +/- 1.0	Molding O/F 5.8 +/- 1.1 at front Transition to 7.5 at chrome insert
37	Front Door Lower Molding to Sill Molding	6.0 +/- 2.0	—
38	Front Door Lower Molding to Rear Door Lower Molding	6.5 +/- 2.0	Front O/F 0.5 +/- 2.0
39	Rear Door Lower Molding to Rear Door	0.0 + 1.0 Parallel within 2.0	—

EXTERIOR COLOR	PAINT CODE
Frost Bite Pearl Coat	VCA
Baltic Grey Metallic Clear Coat	WAS
Midnight Sky Pearl Coat	WCQ
Rocky Mountain Pearl Coat	WFJ
Bloodshot Clear Coat	WHA
Ember Pearl Coat	WHC
Copper Shino Metallic Clear Coat	WVB

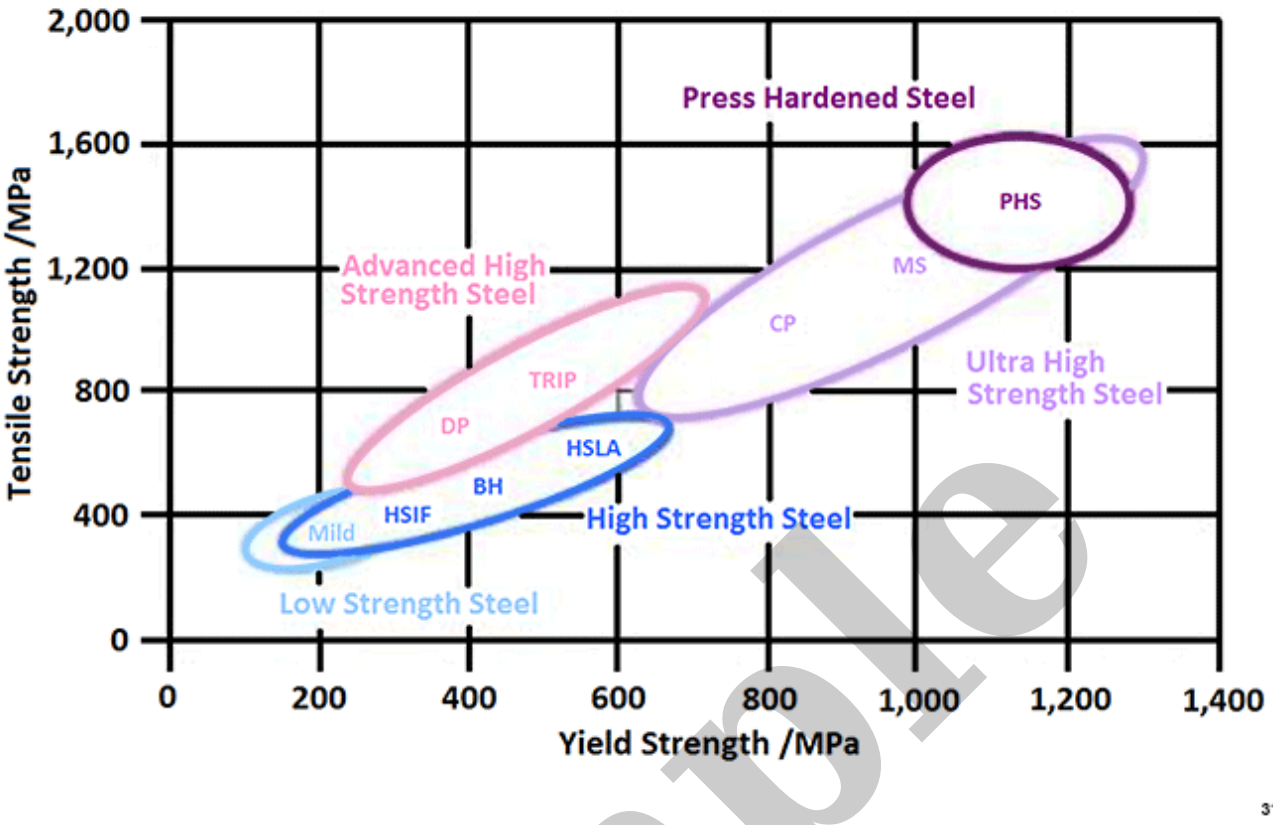
INTERIOR COLORS

INTERIOR COLOR	ORDER CODE	COLOR CODE
Legacy Grey / Global Black	A7	WA7 / TX7
Global Black / Steel Grey	TA	TX7 / SA5
Tupelo / Global Black	T7	WT5 / TX7
Jeep Brown	U5	LU5
Wicker Beige / Global Black	W7	WT3 / TX7
Global Black	X7	TX7
Black	X9	X9

2022 PAINT CODES

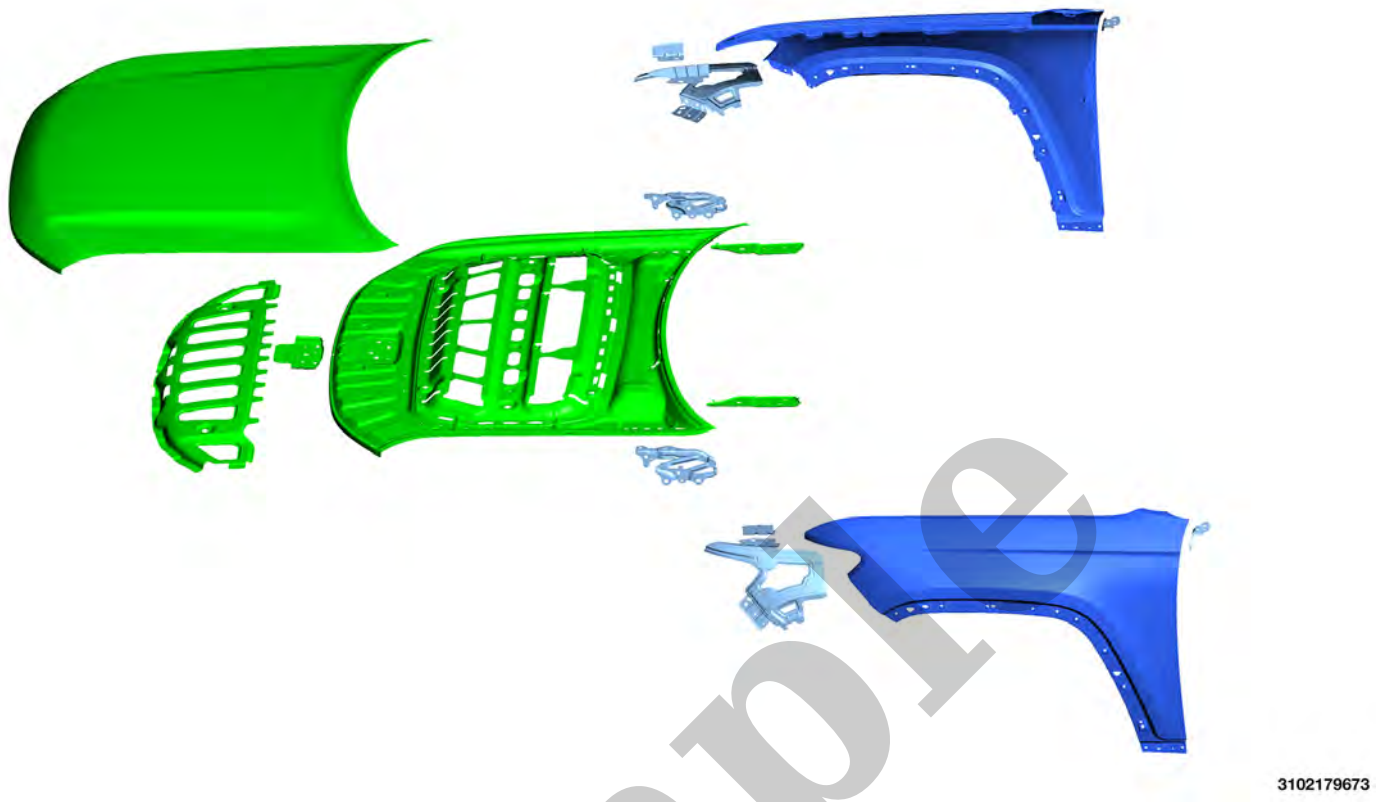
EXTERIOR COLORS

EXTERIOR COLOR	PAINT CODE
Bright White Clear Coat	GW7

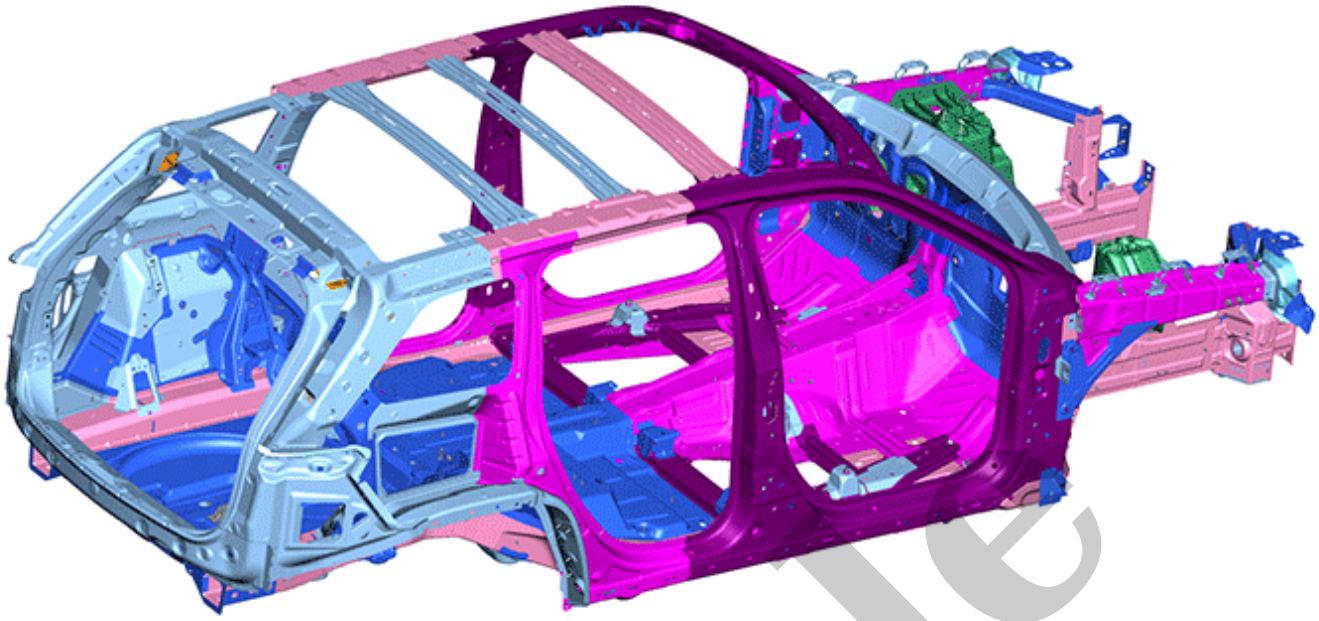


Steels

- **Low Strength Steels (LS)** - Include Mild Steels. Good repairability and weldability (least sensitive to heat). May be attached using the preferred Squeeze Type Resistance Spot Welding (STRSW) process, weld bonding where appropriate, or MIG welding.
- **High Strength Steels (HSS)** - Includes High Strength Interstitial-Free (HSIF), Baked Hardened (BH) and High Strength Low Allow (HSLA) steels. Some repairability and good weldability (the higher the strength of the steel, the greater the sensitivity to heat). May be attached using STRSW, weld bonding, and MIG welding unless otherwise noted in Sectioning Locations and Procedures (Refer to 31- Collision/Standard Procedure/Sectioning Locations and Procedures.
- **Advanced High Strength Steels (AHSS)** - Includes Dual Phase (DP) and Transformation Induced Plasticity (TRIP) steels. Very limited repairability and weldability (very sensitive to heat). Attach only at OE defined locations. Specialized cutters are required with many materials in this group. May be attached using STRSW, weld bonding and Metal Active Gas (MAG) brazing, to minimize heat affected zone, unless otherwise noted in Sectioning Locations and Procedures (Refer to 31- Collision/Standard Procedure/Sectioning Locations and Procedures.
- **Ultra High Strength Steels (UHSS)** - Includes Complex Phase (CP) and Martinistic Steels (MS). Very limited repairability and weldability (very sensitive to heat). Attach only at OE defined locations using OE defined procedures. Specialized cutters are required with many materials in this group. May be attached using STRSW, weld bonding and Metal Active Gas (MAG) brazing to minimize heat affected zone.



Front Door and Rear Door



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Body In White - Bottom view front