



Your 4x4 Accessory Adventure Partner.

# FITTING INSTRUCTIONS

**SB1-FORD-04**

**STOCKMAN BULLBAR**

**RA FORD RANGER 23+**



**ALL EFS BULL BARS HAVE BEEN TESTED AND ARE AIRBAG & ADR COMPLIANT.  
ANY MODIFICATIONS TO THE BULL BAR OR ITS MOUNTS WILL VOID THIS COMPLIANCY AND WARRANTY**

## BEFORE INSTALLATION


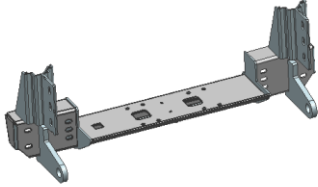
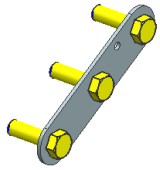
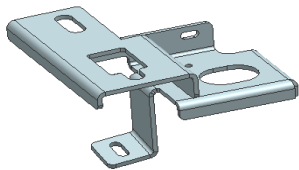
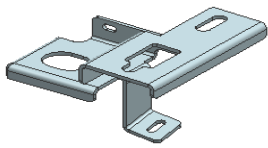
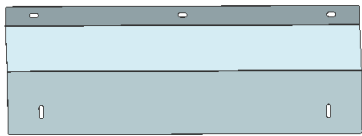
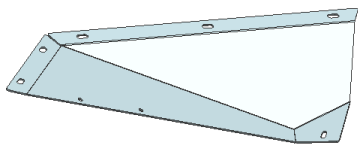
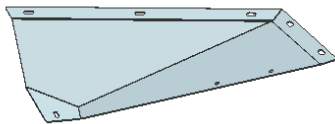
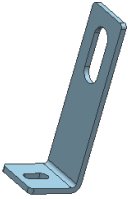
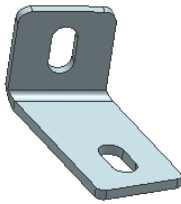
- Please read the instructions completely before installing. This will allow for easy installation and help to avoid scratches or other potential damages to the vehicle.
- images are for reference only and may differ slightly from the actual product you are installing. Whilst images may differ, they share the same assembly instructions.

## CARE & CLEANING

- Mild soap may be used to clean the bull bar.
- Check and retighten all the hardware regularly.










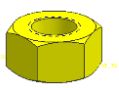








It is a condition of our warranty that Bullbar / Rearbars & Side rails / steps are installed by a suitably qualified installer. And is installed in accordance with accompanying installation instructions provided with item.

**PARTS LIST**





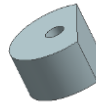

NO.	QTY	NAME	NO.	QTY	NAME
1	1	 Bull Bar Main Body	2	1	 Winch frame
3	2	 Bolt Plate	4	1	 Washer Bottle Bracket (L)
5	1	 Washer Bottle Bracket (R)	6	1	 Central Skid plate
7	1	 Skid Plate (L)	8	1	 Skid Plate (R)
9	2	 Skid Plate Holder (L&R)	10	1	 Central Skid Plate Holder (L)

11	1	A light blue metal L-shaped bracket with a circular hole in the vertical flange and a rectangular slot in the horizontal base.	12	1	A light blue metal bracket with a complex shape, including a circular hole and a protruding tab on one side.
		Central Skid Plate Holder (R)			Outer Bracket(L)
13	1	A light blue metal bracket with a circular hole and a protruding tab, similar to item 12 but with a different orientation.	14	1	A light blue metal bracket with a circular hole and a protruding tab, similar to item 13 but with a different orientation.
		Outer Bracket(R)			Inner Bracket (L)
15	1	A light blue metal bracket with a circular hole and a protruding tab, similar to item 14 but with a different orientation.	16	2	A light blue cylindrical sleeve with a hollow center.
		Inner Bracket (R)			Sleeve
17	1	A dark grey rectangular plate with rounded corners and a small notch on one side.	18	1	A dark grey rectangular plate with rounded corners and a small notch on one side, similar to item 17 but with a different orientation.
		Infill (L)			Infill (R)
19	1	A long, thin light blue metal bracket with multiple holes and a foldable mechanism at one end.	20	1	A light blue rectangular plate with rounded corners and several mounting holes.
		Foldable License Bracket			Radar cover plate
21	2	A light blue square plate with a circular hole in the center.			
		Intercooler spacer			




## Hardware List

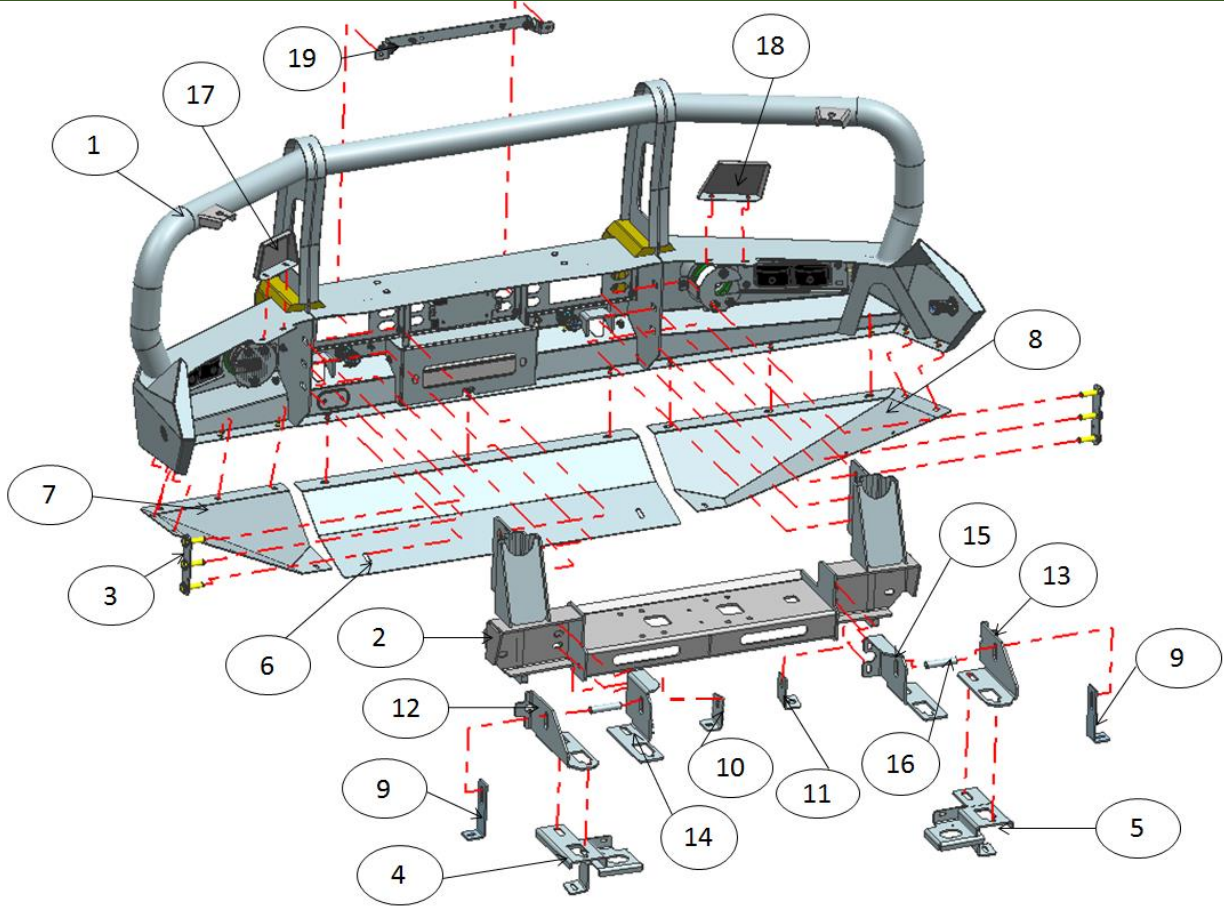
22	2	 Hex-bolt(full thread) M12_120	23	8	 Flat Washer D12_32_3	24	4	 Hex bolt(full thread) (fine thread) M12x1.25_65
25	6	 Hex Screw and washer combo M8_25	26	29	 Dome head bolt and Washer 18mm_ M6_20/A2_70	27	14	 Hex flange nut M6
28	6	 Hex flange nut M8	29	4	 Hex flange nut M10	30	6	 Large Washer D12 ( 12x37x3mm)
31	8	 Hex Nut M12	32	8	 Flat Washer D10_27_3	33	4	 Hex bolt(full thread) M10_35
34	4	 Spring Washer D10	35	3	 Hex Flange Nut M5	36	3	 Dome Head Bolt M5_30
37	10	 Spring Washer D12	38	1	 Wrench S=4	39	1	 Wrench S=3

## Sensor relocation kits

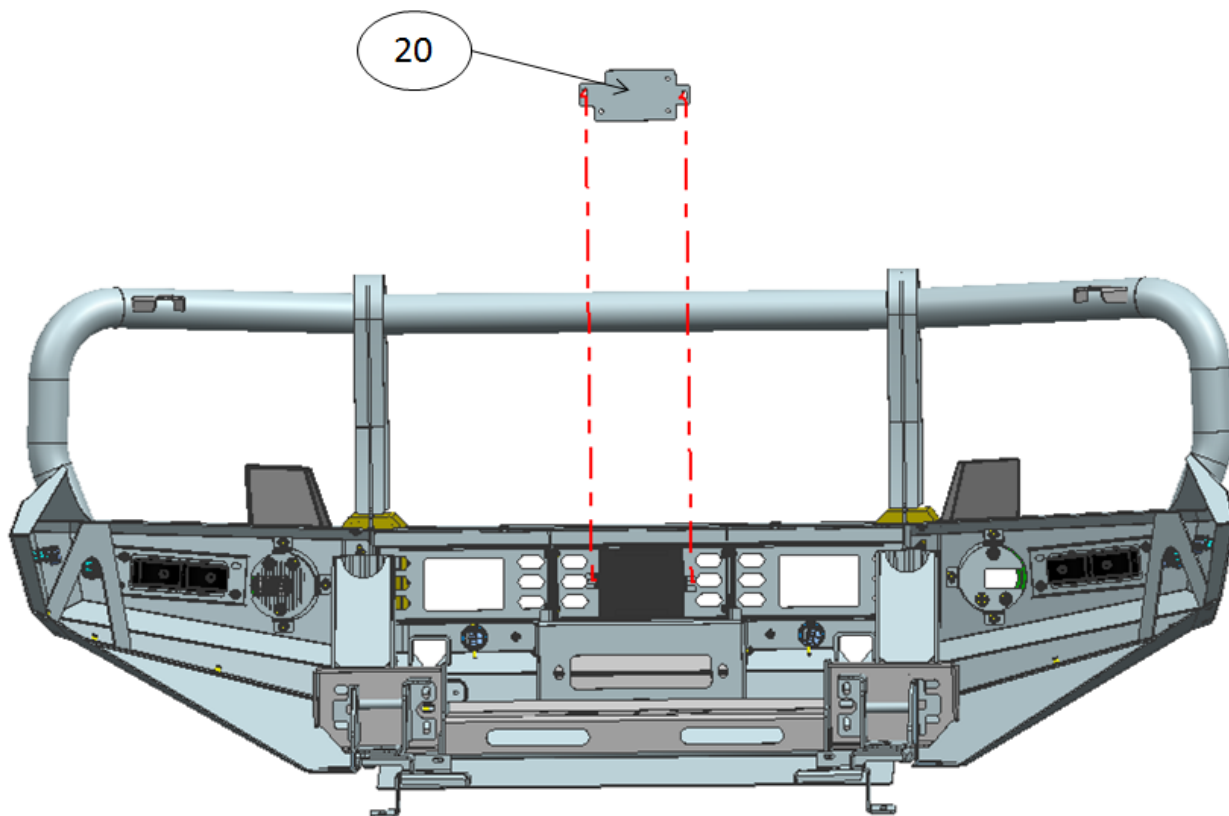
40	6	 M31x1.5 Lock Ring	41	12	 Lock Screw ST4_15 ST4_15	42	12	 Foam Ring (D25_d15.5)
43	6	 Base	44	6	 Cover	45	6	 Foam Packer
46	6	 Holder						

## Foldable License Bracket hardware list

47	8	 Flat Washer D4 (4x8.65x0.8mm)	48	4	 Pan Head Bolt M4_16	49	4	 Hex Nut M4
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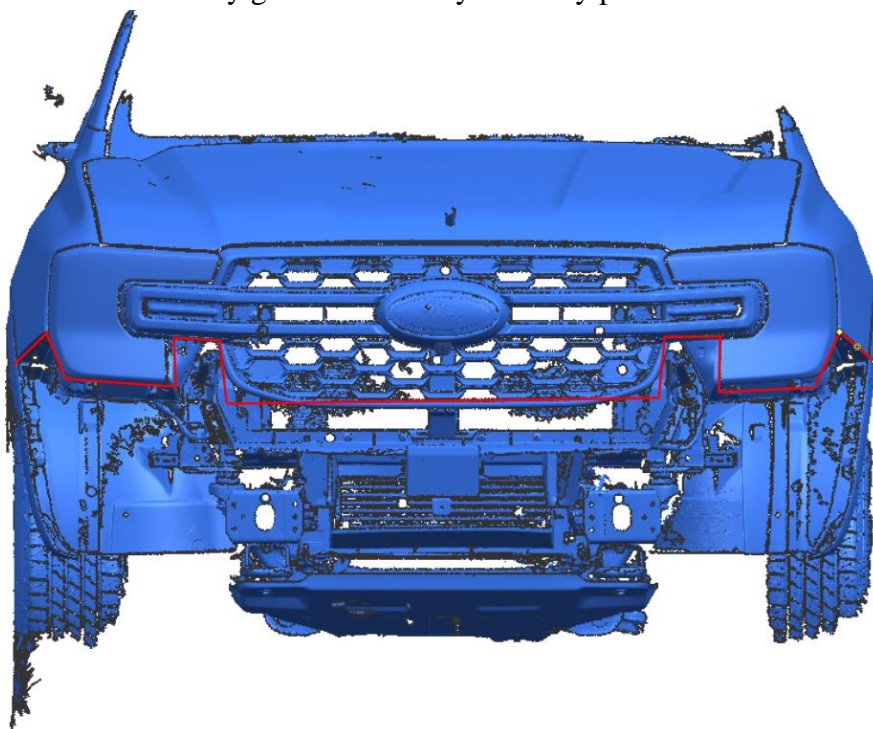


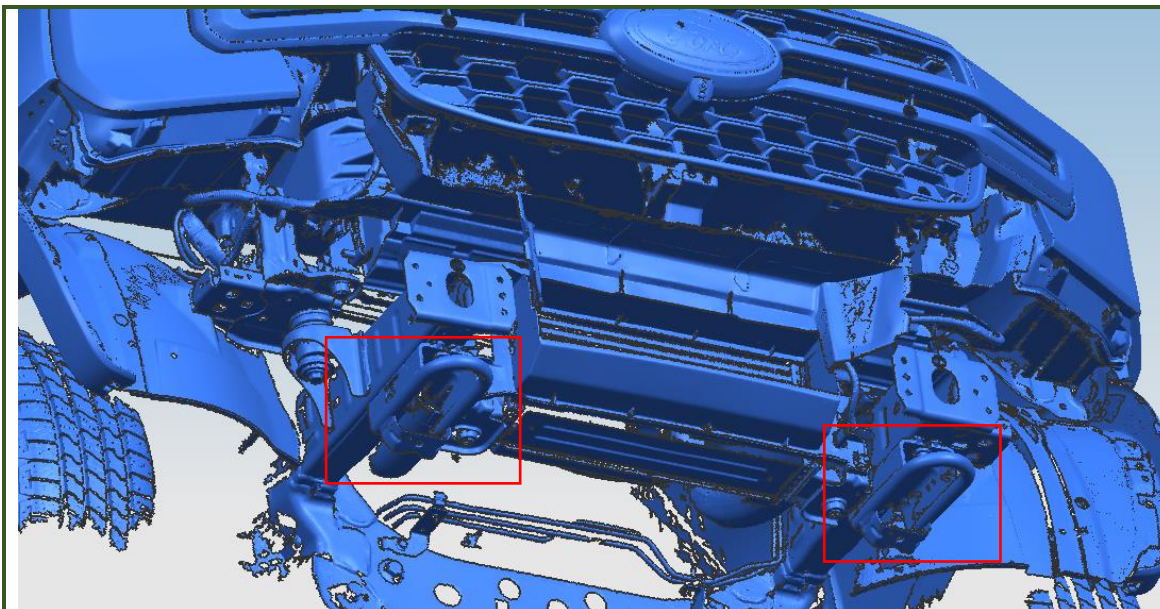
Instructions:



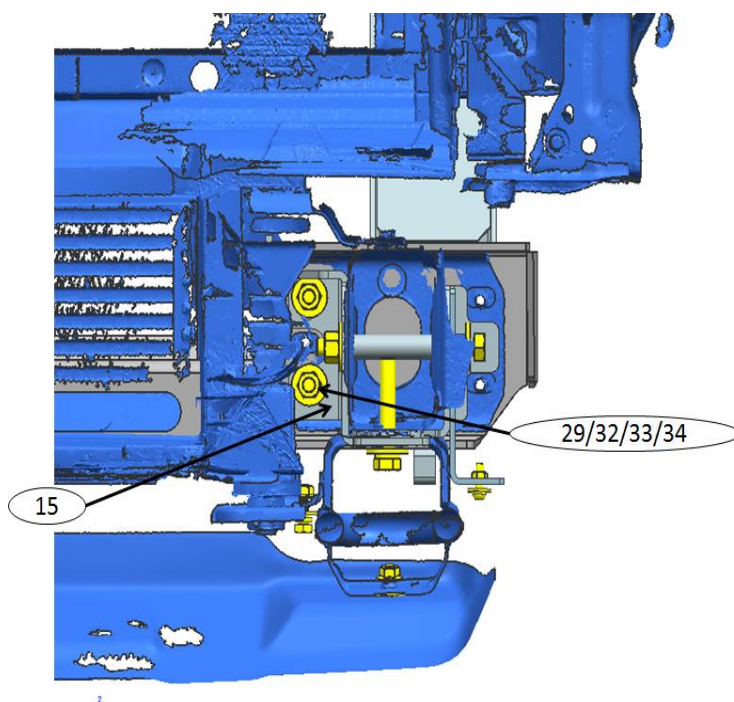
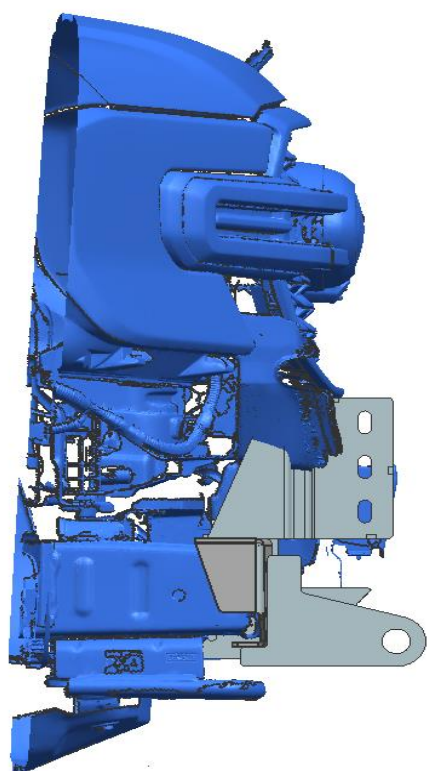
Step 1: Verify that all parts are present according to the manual. Remove the original **front** bumper and beam.

Step 2: Remove factory grille and factory recovery point.



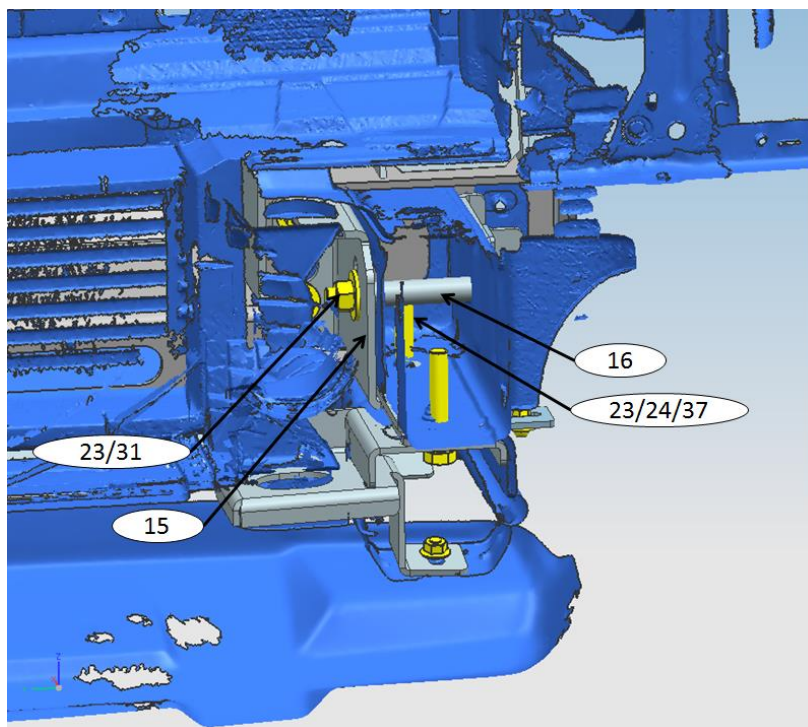
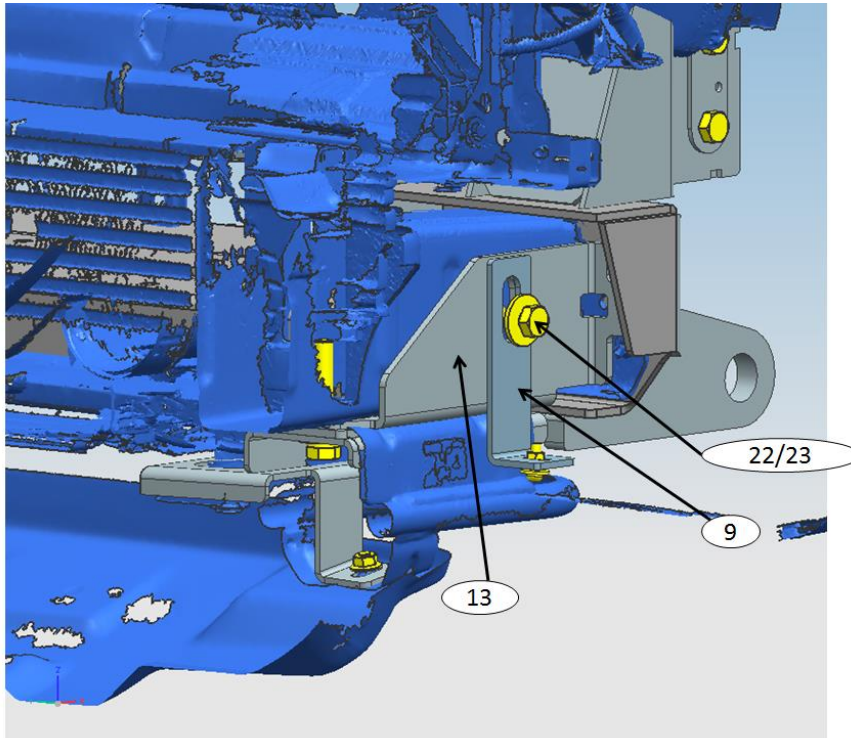


Step 3: Put the winch frame in the following position. Connect inner brackets (15) with winch frame by hardware showed as below. Left and right are the same installation methods.

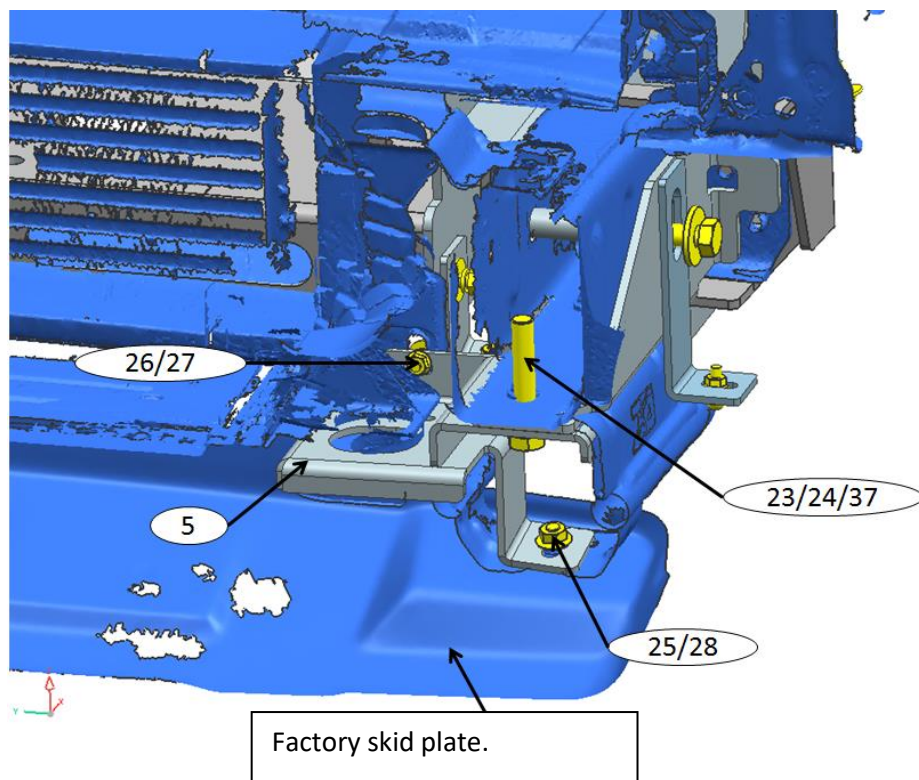




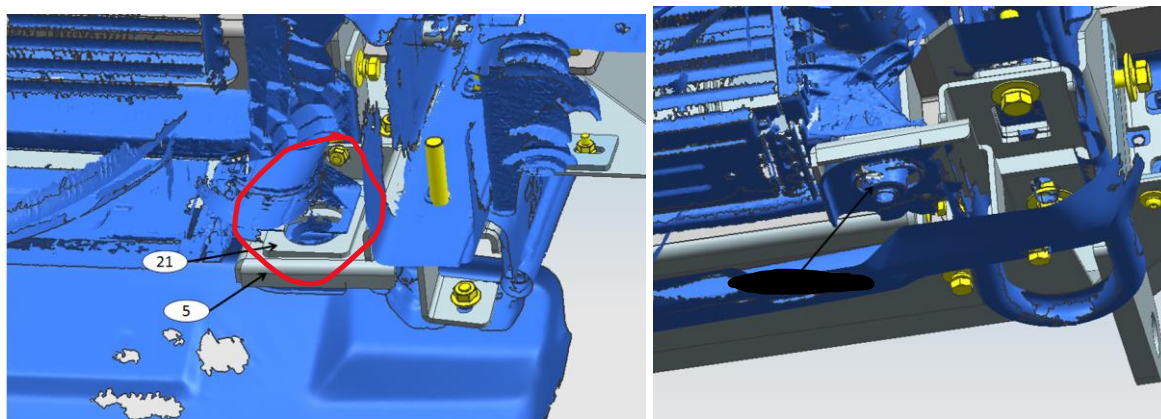
Step 4: Connect and fix skid plate holder (9) and outer brackets (13) with inner brackets (15) on the factory beam by hardware showed as below. Left and right are the same installation methods.

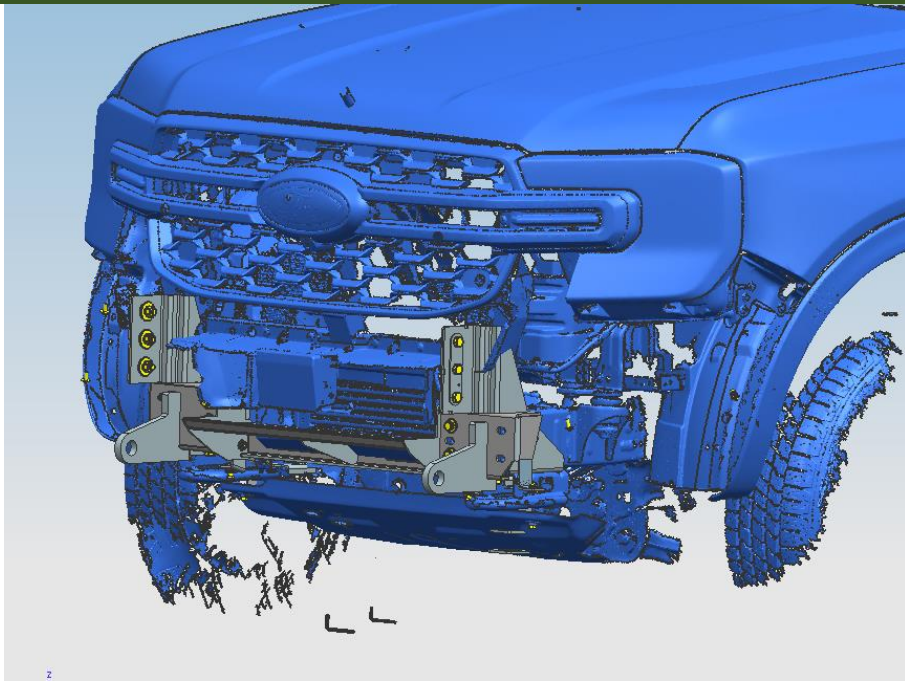


Step 5: Connect washer bottle bracket (5) with outer and inner brackets (13,15) combo on the beam with hardware (23,24,37) then connect it with factory skid plate with hardware (25,28). Left and right are the same installation methods.

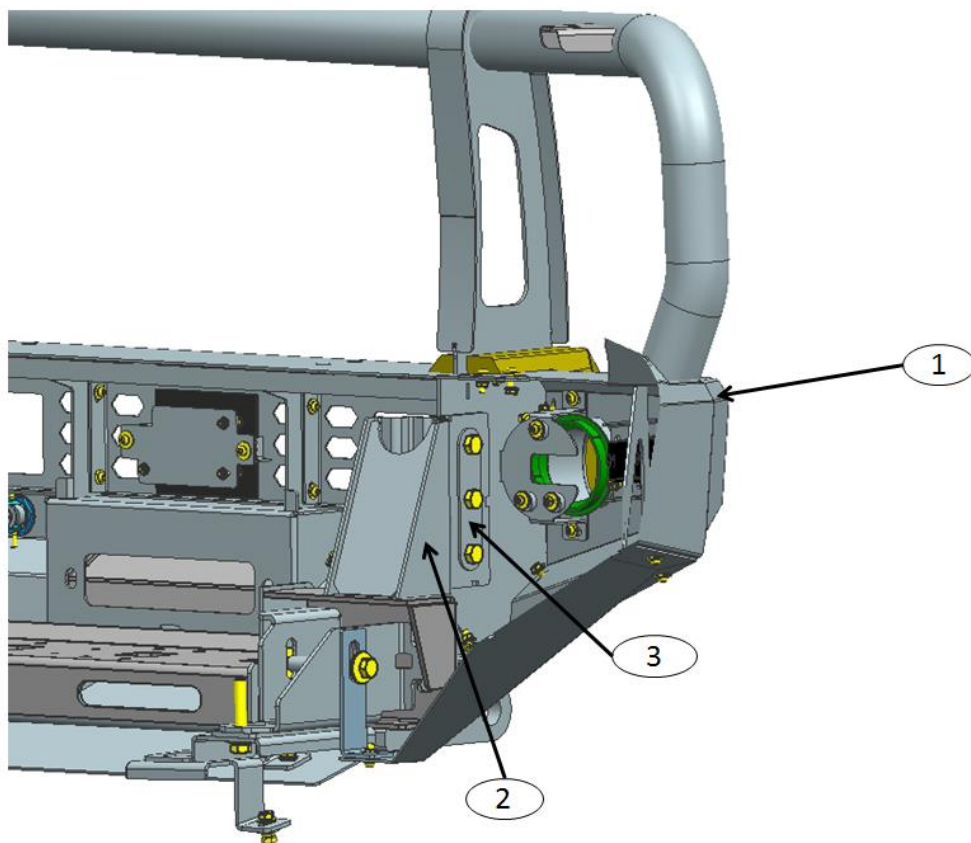


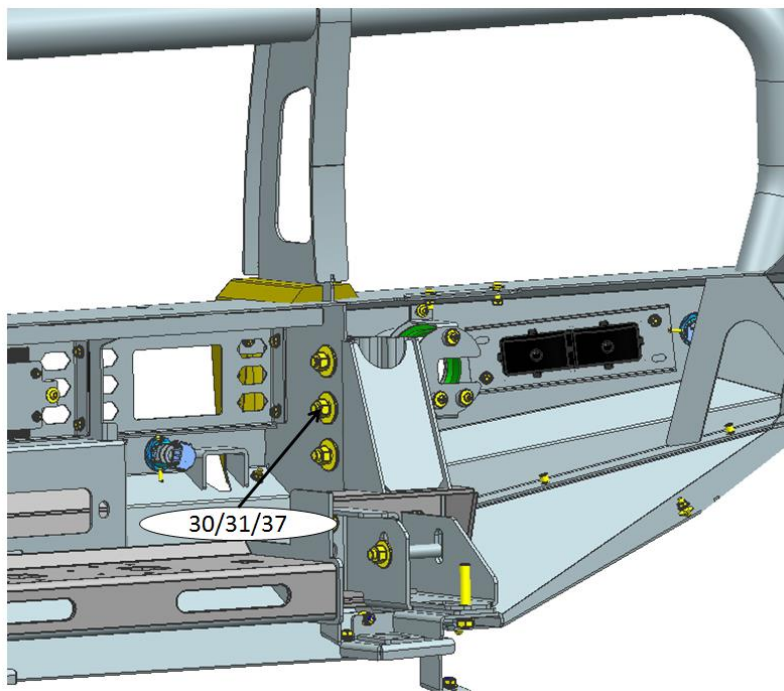
Step 6: If there is a gap between the winch frame and chassis, spacer can be used (21) to resolve. (Below red circle)





Step 7: Combine the bull bar main body and winch frame with hardware (3,30,31,37) showed as below. Left and right are the same installation methods.





You will need to wire in the park/indicator lamp and fog lights in the bulbar to the vehicles wiring. The wire colours on the plugs are as follows.

Park/Indicator Ground – Yellow

Park Light – Blue

Indicator – Brown

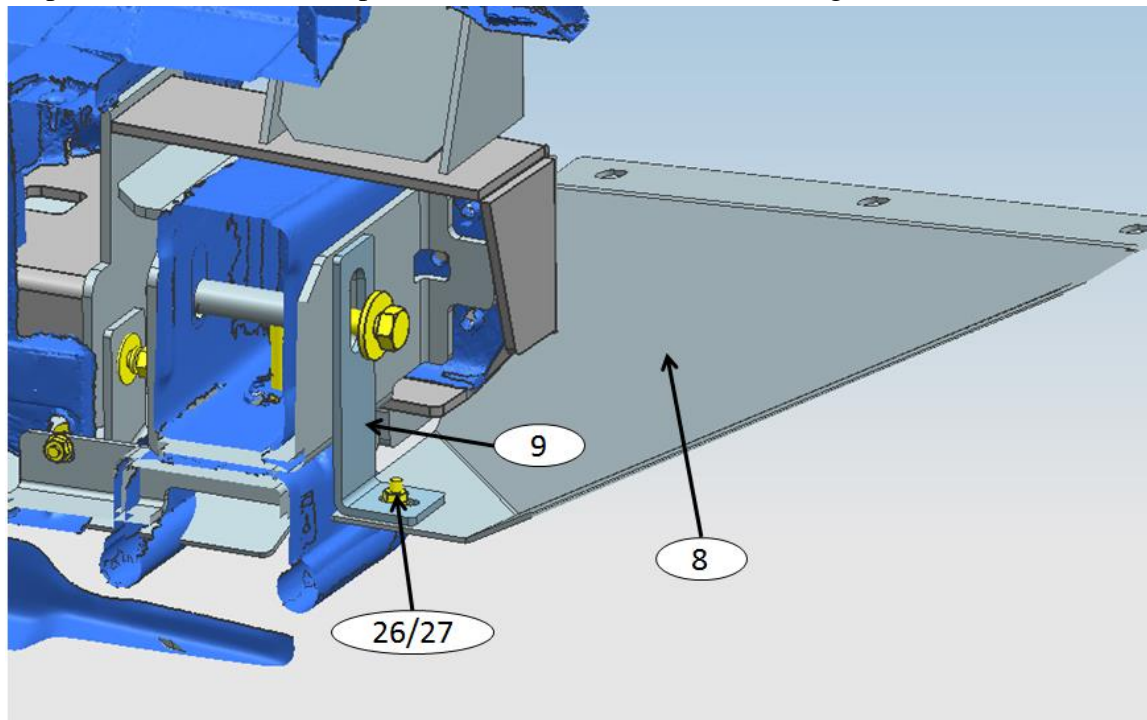
Fog Lights

Ground – Black

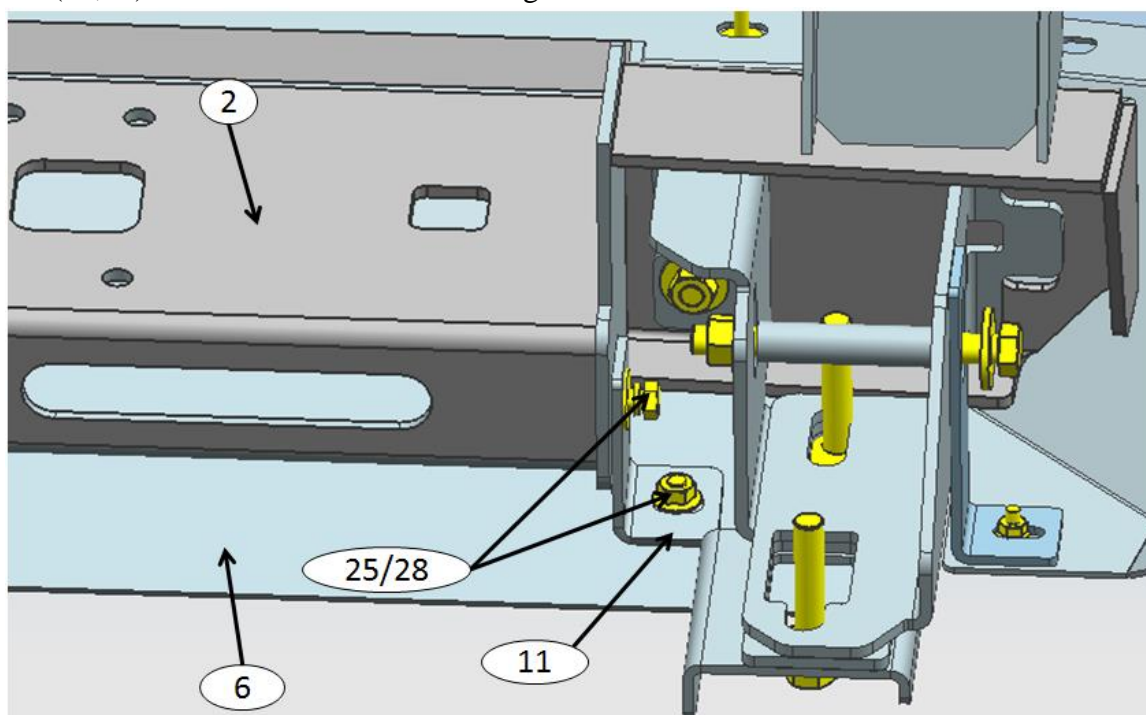
Power – Red –

Please use a test light to pick the appropriate wires on the vehicle to attach the plugs to - Ensure that the joined wires are covered with insulation tape or heat shrink - Secure all wiring with cable ties

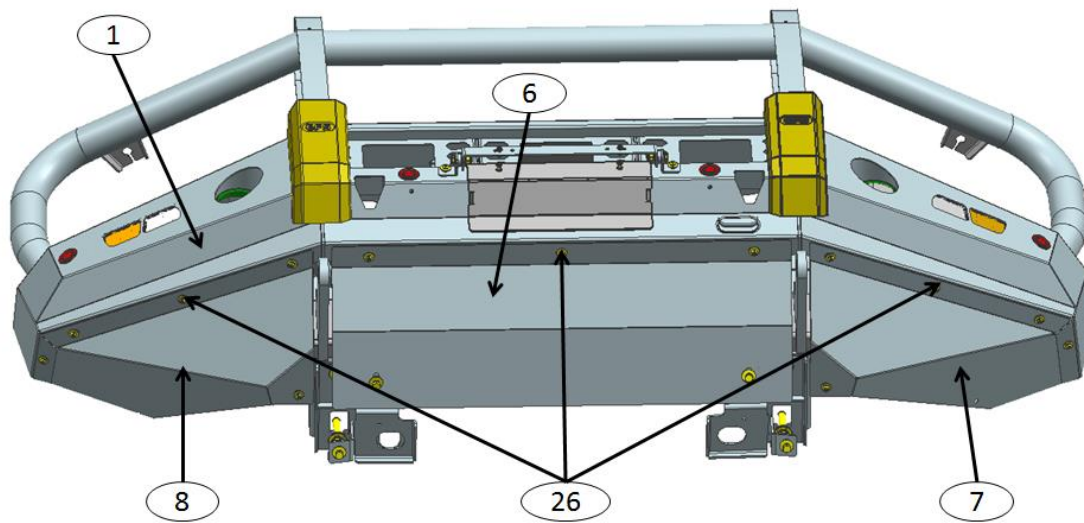
Step 8: Install the side skid plate (7,8) on bracket (9). Left and right are the same installation methods.



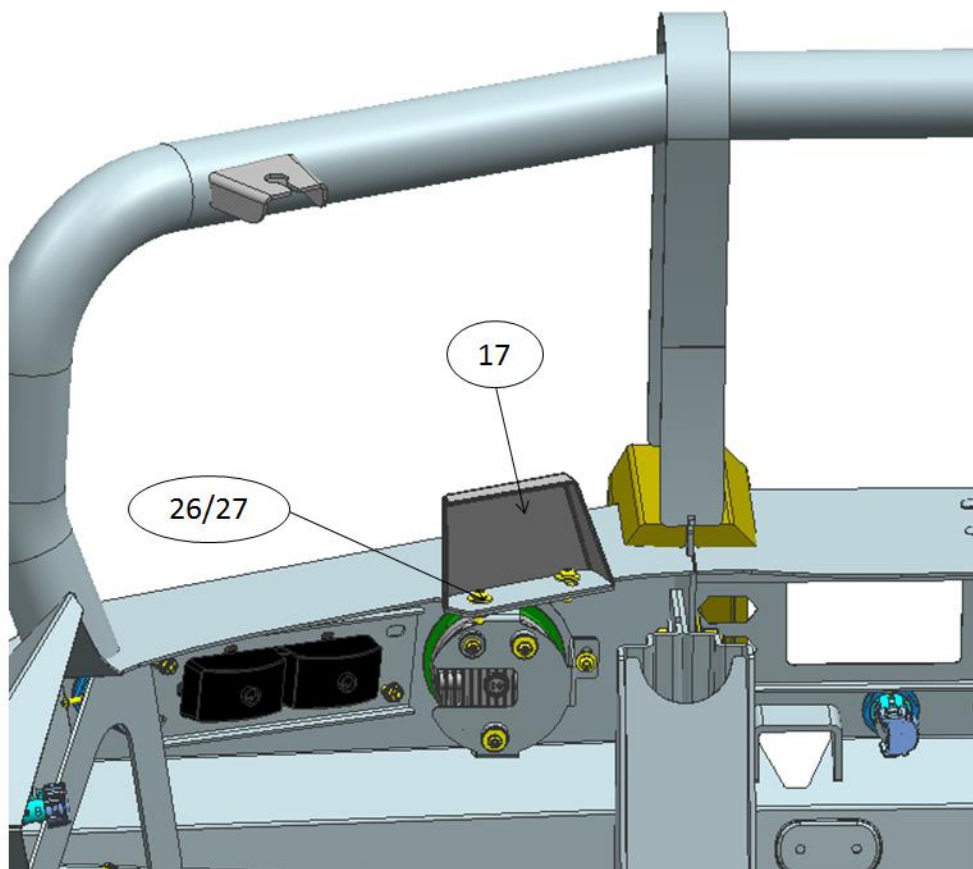
Step 9: Combine the central skid plate (6) and winch frame with central skid plate holder (11) with hardware (25,28) showed as below. Left and right are the same installation methods.



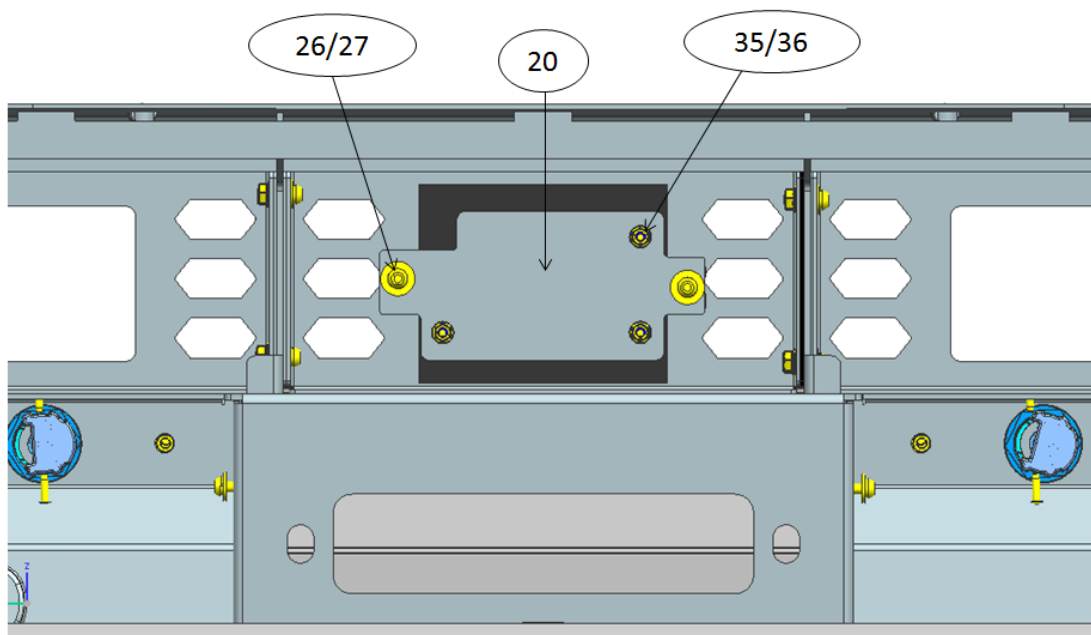
Step 10: Combine the skid plates (6,7,8) with bull bar main body (1) by dome head bolt and Washer combo (26) showed as below



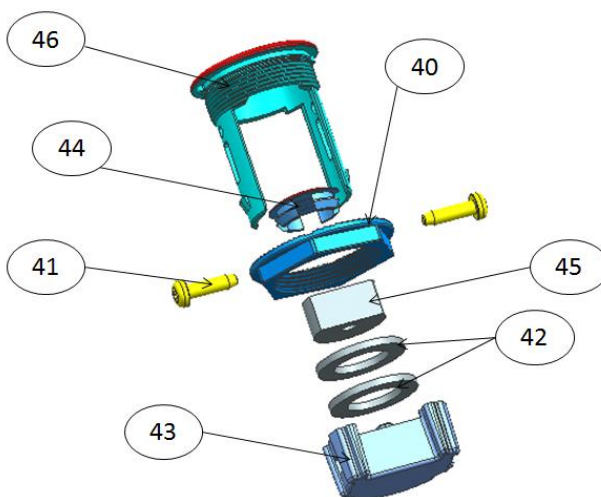
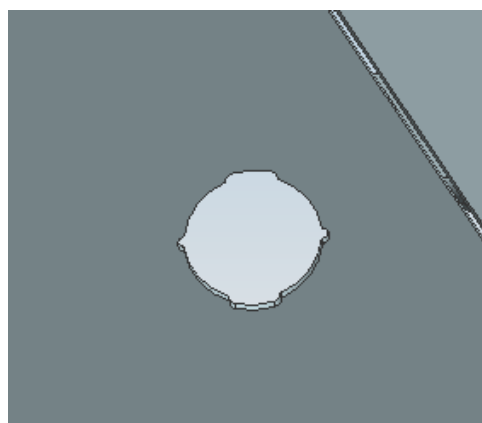
Step 11: Install infills on the bull bar by hardware showed as below.

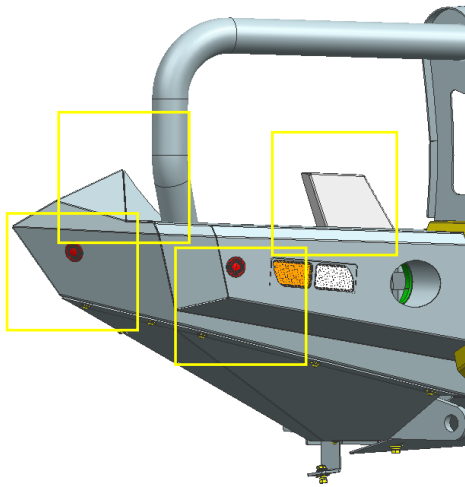
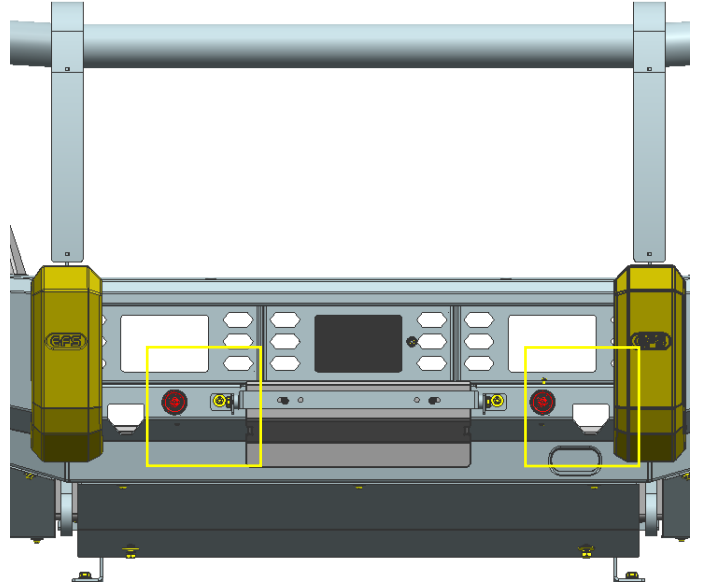
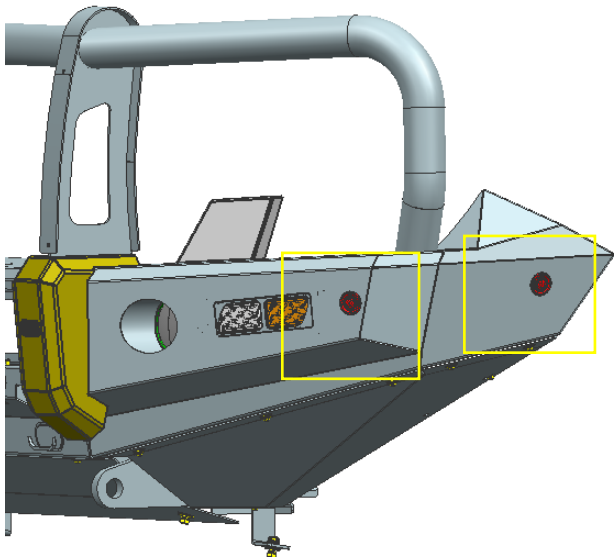


Step 12: Install radar cover plate on bull bar main body by hardware showed as below

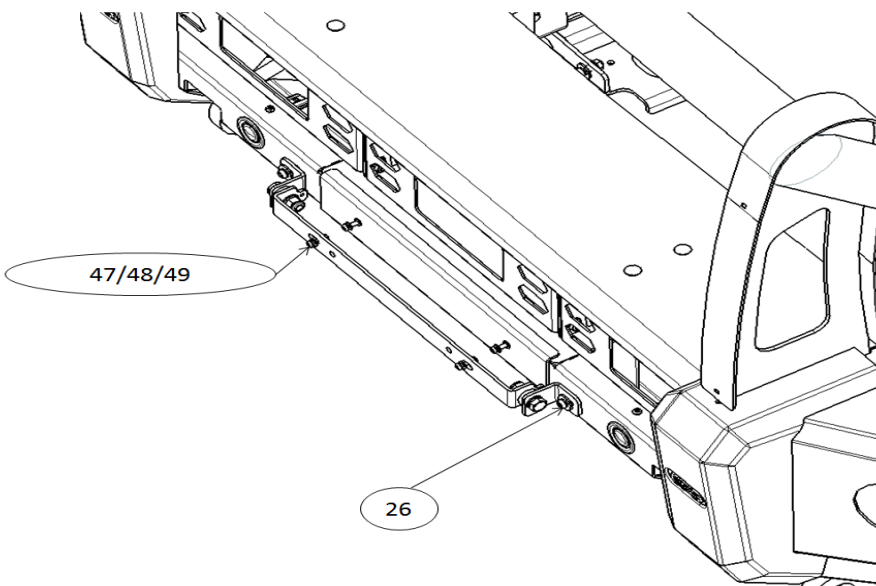


Step 13: Find the parking sensor relocation hole, combine the sensor relocation kits, then relocate the radar showed as below.



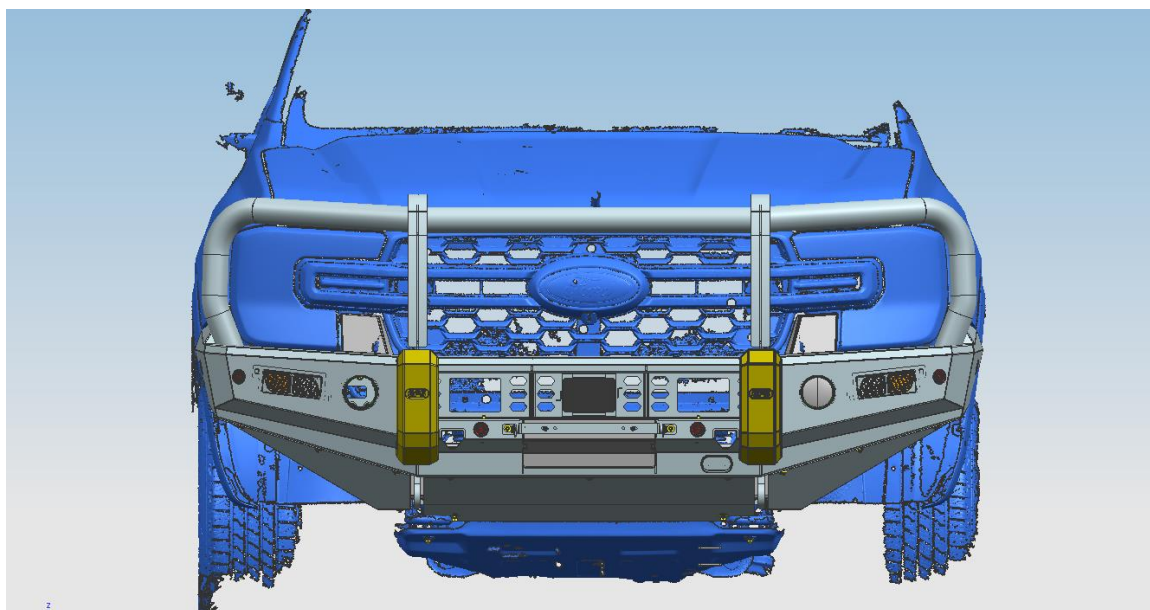
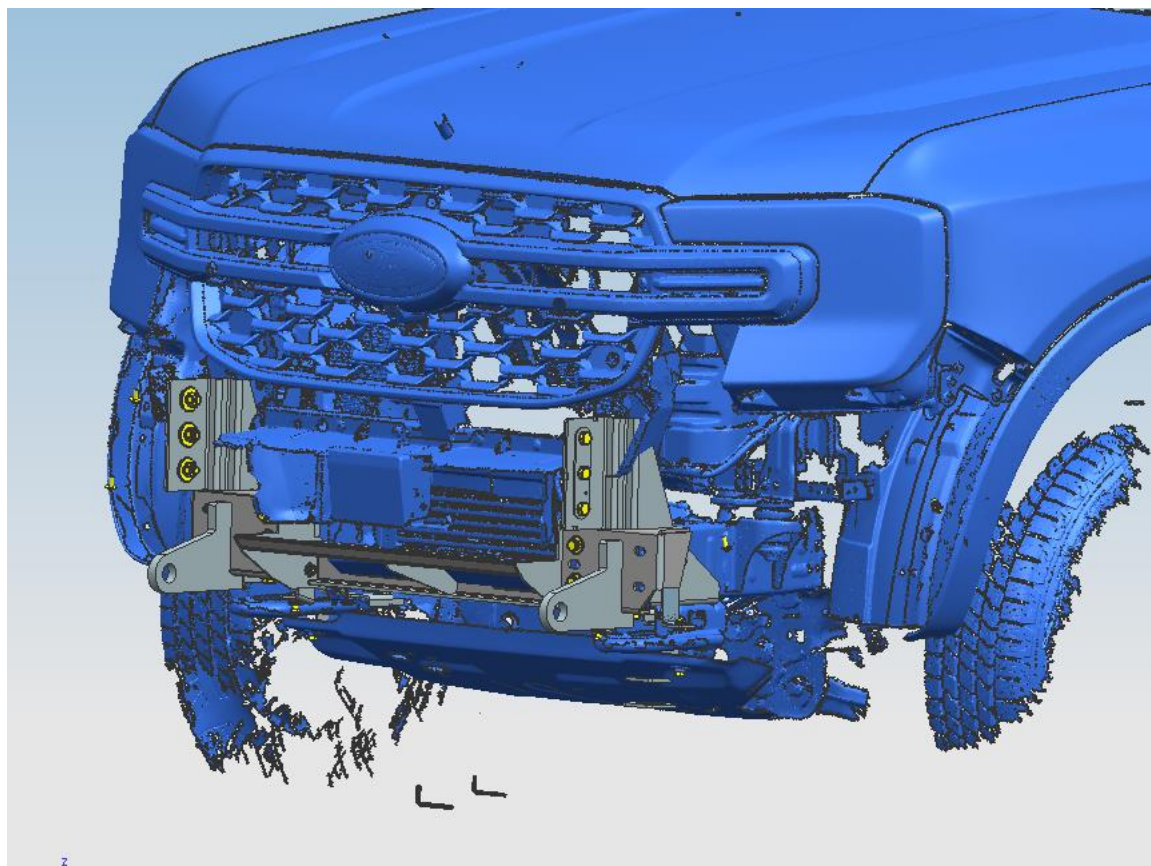


Step 14: Install foldable license plate holder to bull bar main body.





Step 16: Installation is finished, pick up all tools.



#### NOTE

Any damages or loss caused by the improper installation and use of EFS Accessories will not be covered by warranty.

Please ensure you leave sufficient spacing between bullbar and guards



