



FITTING INSTRUCTIONS

Part Number: **3423220**

Product **SUMMIT MKII BULL BAR | SUIT TACOMA MY24 ON**

Description:

Suited to **TOYOTA TACOMA MY24 ON**

vehicle/s: **SR5, TRD PreRunner, TRD Sport, TRD Off-Road and Limited**

Optional **W89965** WARN ZEON EXTENDED CABLE KIT

Fitting Kits: **W106928** KIT WIRE EXTENSION VR EVO

3500410 WARN XDC ADAPTER KIT

3500770 SMITTYBILT ADAPTER KIT

WARNING

REGARDING VEHICLES EQUIPPED WITH SRS AIRBAG:

When installed in accordance with these instructions, the front protection bar does not affect operation of the SRS airbag.

ALSO, NOTE THE FOLLOWING:

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any bull bar component, contact your nearest authorised ARB stockist. Repairs or modifications to the impact absorption system must not be attempted.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels from this bull bar.
- ◆ This product or its fixing must not be modified in any way.
- ◆ The installation of this product may require the use of specialized tools and/or techniques.
- ◆ It is recommended that this product is only installed by trained personnel.
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer.
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components.
- ◆ Work safely at all times.
- ◆ Unless otherwise instructed, tighten fasteners to specified torque.

ARB 4x4 ACCESSORIES

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GENERAL CARE AND MAINTENANCE

By choosing an ARB Bar, you have bought a product that is one of the most sought after 4WD products in the world. Your bar is a properly engineered, reliable, quality accessory that represents excellent value. To keep your bar in original condition it is important to care and maintain it following these recommendations:



- Prior to exposure to the weather your bar should be treated to a Carnauba based polish on all exposed surfaces. It is recommended that this is performed on a six-monthly basis or following exposure to salt, mud, sand or other contaminants.
- As part of any Pre-Trip Preparation, or on an annual basis, it is recommended that a thorough visual inspection of the bar is carried out, making sure that all bolts and other components are torqued to the correct specification. Also check that all wiring sheaths, connectors, and fittings are free of damage. Replace any components as necessary. This service can be performed by your local authorized ARB Stockist.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

BASIC TOOL KIT	ELECTRIC DRILL WITH COMPLETE METRIC DRILL SET
JIG SAW OR OSCILATING MULTITool WITH BLADE SUITABLE FOR PLASTIC	LOW TACK MASKING TAPE
FILE	UTILITY KNIFE
TAPE MEASURE	CLAMP
STEEL RULE	WHITE FELT MARKER
HACK SAW	TORQUE WRENCH
TOUCH UP PAINT ANTI CORROSION	RIGHT ANGLE ELECTRIC DRILL
BLACK SPRAY PAINT OR BLACK SELF-ADHESIVE VINYL	

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection	
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NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

FASTENER TORQUE SETTINGS:

SIZE	PROPERTY CLASS	Torque Nm	Torque lbft
M6	8.8	9Nm	7lbft
M8	8.8	22Nm	16lbft
M10	8.8	44Nm	32lbft
M12	8.8	77Nm	57lbft
M12	10.9	92Nm	68lbft
M12	11.9	111Nm	82lbft

PARTS LISTING

PART No.	DESCRIPTION	QTY
37800374	FITTING INST 3423220	1
BAR MOUNTS TO VEHICLE		
4655646L	W/ASSY CHASSIS MNT J250 LH	1
4655646R	W/ASSY CHASSIS MNT J250 RH	1
37500335L	BRKT CHAS UNDERPNL MNT J250 LH	1
37500335R	BRKT CHAS UNDERPNL MNT J250 RH	1
37500336L	BRKT INNER CHAS SUIT J250 LH	1
37500336R	BRKT INNER CHAS SUIT J250 RH	1
37500337L	BRKT OUTER CHAS SUIT J250 LH	1
37500337R	BRKT OUTER CHAS SUIT J250 RH	1
4617103	CHASSIS CRUSH TUBE	2
6152092	BOLT HXHD M12x1.75x110 PC 10.9 ZAS1000	2
6151528	NUT HEX NYLOC M12x1.75 PC10.9 ZP	2
6151700	BOLT HXHD FL M12x1.25x35 PC8.8 TZP480	12
4584363	WASHER FLAT M12x26x4 HV300 TZP480	16/28
6151480	NUT FLANGE M12x1.25 PC8.8 TZP480 SERRATED	10
6151638	BOLT HXHD M10x1.5x40 PC8.8 TZP480	2
6151321	NUT FLANGE M10x1.5 PC8.8 TZP480 SERRATED	2
4584361	WASHER FLAT M10x25x4 HV300 TZP480	4/8
3197056	ZEN RP SPCR LRG	2
VEHICLE TO BAR MOUNTS		
3197186	PLATE SHIM SUIT TACOMA	8
6151817	BOLT HXHD FL M12x1.25x40 PC11.9 ZAB1000	6
4584363	WASHER FLAT M12x26x4 HV300 TZP480	12/28
6152023	NUT FLANGE M12x1.25 PC10.9 ZAB1000	6
6151815	BOLT HXHD FL M10x1.25x40 PC11.9 ZAB1000	4
4584361	WASHER FLAT M10x25x4 HV300 TZP480	4/8
6151969	NUT FLANGE M10x1.25 PC10.9 ZAB1000	4
6152008	BOLT HXHD FL M6x1.0x25 PC8.8 ZNB480	4/22
6151173	NUT FLANGE M6 ZNB480 SERRATED	4/12
RADAR		
37500327	RADAR BRKT UPPER SUIT J250	1
37500328	RADAR BRKT LOWER SUIT J250	1
5670069	SPRING COMP STAINLESS 25X6.0ID	2
6151584	BOLT HXHD M6x1.0x40 PC8.8 BTZP	2
4584421	WASHER FLAT M6X18X1.6 NYLON	2/3
6151223	NUT HEX NYLOC M6x1.0 ZNB480	4/9
6151443	SCREW BHD M6x20 BZP	4/20
4584295	WASHER FLAT M6x12.2x1.2 BTZP480	10/32
WINCH PANEL		
6523369	PRESS FORM WINCH COVER PANEL	1
6152008	BOLT HXHD FL M6x1.0x25 PC8.8 ZNB480	4/22
4584295	WASHER FLAT M6x12.2x1.2 BTZP480	4/32
6151223	NUT HEX NYLOC M6x1.0 ZNB480	4/9
ELECTRICS		
3501200	HARNESS CAN MODULE BULLBAR	1
3523050A	HARNESS CANBUS ADAPTOR TACOMA	1
CANDEC	ARB CAN CONNECT	1
3163222	PLUG SNSR BLANKING PAIR	2
3525010	SENSOR SURROUND KIT (4) SUITS LC300	1
6821451	HARNESS EXTENSION SUITS TOYOTA	2
180302	CABLE TIE 4.8 X 180 MM BLACK	12
UNDERPANELS		
6523745	CENTRE PANEL SMT SUIT TACOMA	1
6152008	BOLT HXHD FL M6x1.0x25 PC8.8 ZNB480	2/22
6151300	NUT CAGED M6 2.6-3.5 956-C	6/8
6151730	BOLT HXHD FL M8x1.25x20 FT PC8.8 BZP480 ENS14-001	6/8
3197156	NUTPLATE M8 TACO MY24	2

WING PANELS		
6523746L	WING PANEL LH SMT SUIT TACOMA	1
6523746R	WING PANEL RH SMT SUIT TACOMA	1
6151443	SCREW BHD M6x20 BZP	12/20
4584295	WASHER FLAT M6x12.2x1.2 BTZP480	12/32
6151526	NUT CAGED M6 1.8-2.7 BZP480	12
6151730	BOLT HXHD FL M8x1.25x20 FT PC8.8 BZP480 ENS14-001	2/8
4584364	WASHER FLAT M8x26x4 HV300 BTZP480	2
6151548	NUT FLANGE M8x1.25 PC8.8 BTZP480 SERRATED	2
GRILLE & PLASTICS		
3163290	GRILLE RDR CVR, SUIT SUMMIT	1
3163294	KIT, CVR STRAP SUIT SUMMIT	1
3163295	KIT, GRILLE OUTER SUIT SUMMIT	1
3500971	LAMP CLUSTER, ARB SUIT SUMMIT	1
37500664L	LIGHT RETAINER LH SUIT TACOMA	1
37500664R	LIGHT RETAINER RH SUIT TACOMA	1
3753105	BRKT GRILL MOUNT	2
6151443	SCREW BHD M6x20 BZP	4/20
6152008	BOLT HXHD FL M6x1.0x25 PC8.8 ZNB480	8/22
4584295	WASHER FLAT M6x12.2x1.2 BTZP480	4/32
6151173	NUT FLANGE M6 ZNB480 SERRATED	8/12
6152094	SCREW PHD M6x1.0x30 PC8.8 TX ZNB 480	2
6151300	NUT CAGED M6 2.6-3.5 956-C	2/8
CROSS BRACE		
4681923	CROSS BRACE SUIT TACOMA	1
6151965	BOLT HXHD FL M10x1.5x30 PC8.8 ZNB480	6
4584380	WASHER FLAT M10x22.9x2 HV300 BTZP480	6
6151752	NUT FLANGE M10x1.5 PC8.8 BTZP480	6
WINCH & LICENCE PLATE		
3523030	WINCH FITTING KIT	1
37500124	BRKT CONTROL BOX	1
CAMERA		
3197187	CAMERA SHROUD SUIT TACOMA	1
37500665	CAMERA BRACKET SUIT TACOMA	1
6151384	SCREW ST PHD 5.2x16 PH PC8.8 BTZP480	4/12
VEHICLE MODIFICATION		
37500460L	ZEN BMPR RET BRKT LHS	1
37500460R	ZEN BMPR RET BRKT RHS	1
4681969	BRACE VEHICLE GRILLE RETAIN	1
37800493	CUTTING TEMPLATE STD 3423220	1
37800425	CUTTING TEMPLATE WIDE 3423220	1
6191030	PINCH WELD 520mm	1
6152008	BOLT HXHD FL M6x1.0x25 PC8.8 ZNB480	4/22
6151384	SCREW ST PHD 5.2x16 PH PC8.8 BTZP480	8/12
6821189	GROMMET RND FC 1500 080 090	4
AGS RELOCATION		
3197324	MOUNT PLATE AGS	1
4584295	WASHER FLAT M6x12 BZP	2/32
4584347	WASHER FLAT M5 BTZP480	3
4584421	WASHER FLAT M6X18X1.6 NYLON	1/3
4655877	AGS STOPPER SUIT TUNDRA	1
5848302	PACKER RB NYLON	1
6151223	NUT HEX NYLOC M6x1.0 ZNB480	1/9
6151459	SCREW BHD M6x16 BTZP480	1
6151650	SCREW BHD M5x20 ZNB480	3
6151744	STANDOFF M5x0.8xDIA7x8 BTZP480	1
6151912	NUT HEX NYLOC M5x0.8 PC8.8 ZNB480	3

FITTING PROCEDURE



1. Remove the bolts underneath the bumper and discard.
Remove OEM tow points. Discard tow points but retain bolts for later use.

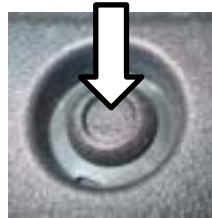


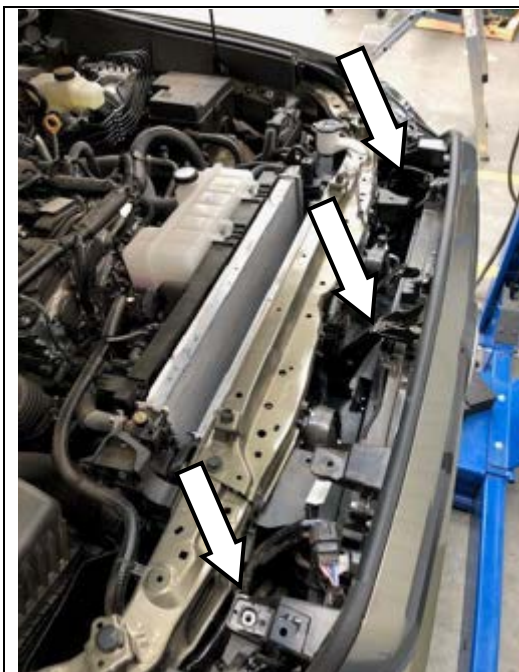
2. Remove the clips & screws holding the front half of the wheel arch liners.
Carefully unclip the front of the wheel arch liners.



3. Open the bonnet and remove all scrivenets (8) retaining plastic cover. Set aside scrivenets removed for re-use later on.

TIP: Depress centre to remove.





4. Remove the three bolts across the top of the radiator support connected to the grille.
Disconnect the electrical connectors on either side of the grille.
Identify the foglight connectors and seal with electrical tape as they will be unused with bull bar fitted.



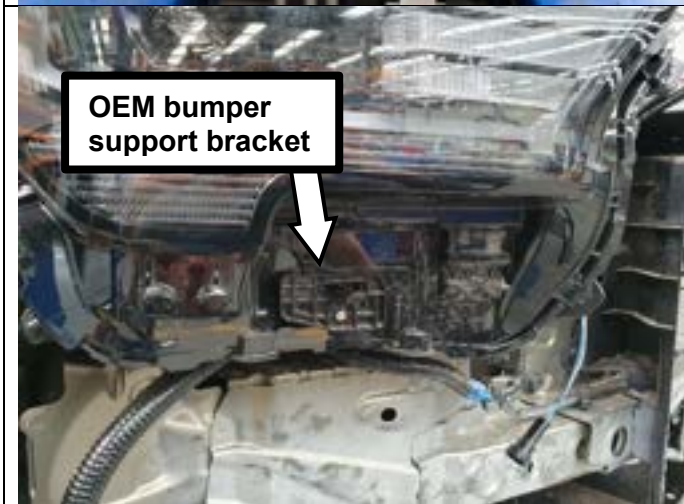
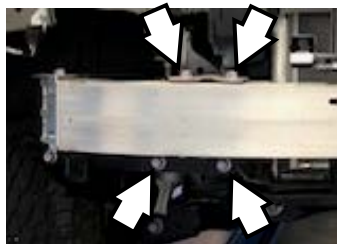
5. Gently peel back flare unclipping it from inside the bumper, revealing a silver screw. Remove and retain screw for re-fit.
Repeat for the other side.



6. Unclip the corners of the bumper from the vehicle. Remove the bumper and set aside on a soft surface to avoid scratching it.
7. Unclip plastic section from the crash beam.

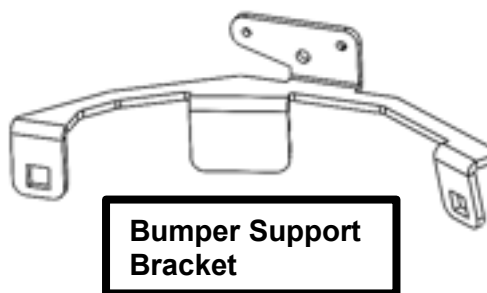


8. Remove the eight bolts securing the crash beam to the chassis.
9. Remove the alloy crash beam and discard.
10. Remove lower air deflector between front chassis crossmember and AC condenser.



OEM bumper support bracket

11. Remove OEM bumper support bracket to exchange with Summit bumper support bracket. Use same OEM fastener. Brackets fit one way only, right hand shown.



Bumper Support Bracket



12. Remove six M6 bolts holding the OEM air shutter assembly.

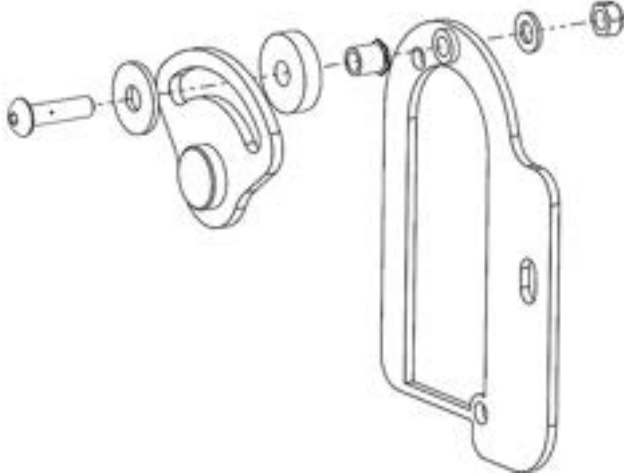


13. Unclip the loom from the lower half of the bumper.
Remove radar, camera and fog lamps from bumper.
Remove and label parking sensors (right outer, right inner, left outer and left inner).

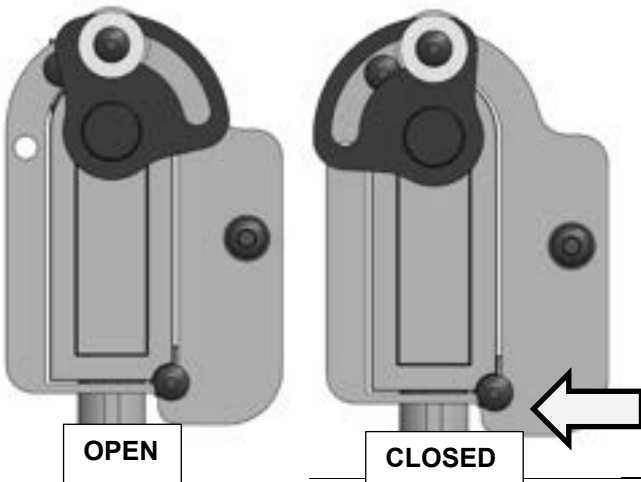


14. Remove AGS module from bumper and remove motor from shutter assembly.

Note orientation of shutters as open or closed to assist reassembly.



15. Loosely assembly the AGS relocation assembly as shown:



16. Install the motor into the assembly by inserting the square drive into the eight point hex of the motor. Install as per the orientation of the shutters noted down in Step 14.

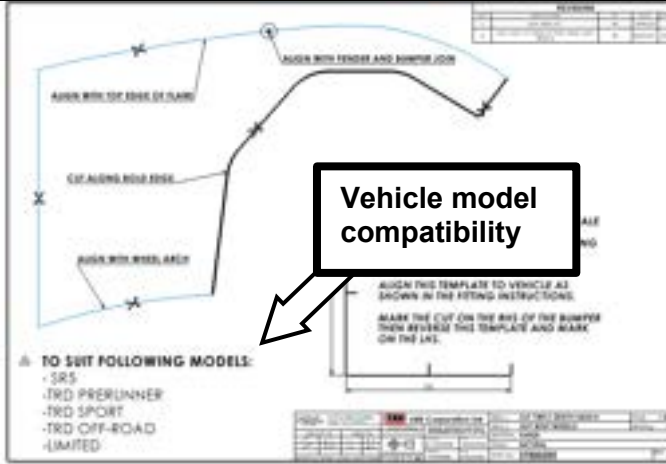
17. Fix motor using two M5 button head screws, washers and Nyloc. Leave the lower M5 screw loose. This will be tightened after the loom is plugged into the motor.



18. Adjust the M5 screw until a sliding fit between the nylon washers and the stopper plate is achieved. There should be no friction force on the stopper plate. Once achieved tighten the nyloc nut at the back of the screw to lock in place.



19. Install the kit into the vehicle, behind the grille, using one M6 button head, two washers and one nyloc nut. Torque to spec.
20. Install loom into motor and tighten M5 from Step 14. Cable tie loom if required.



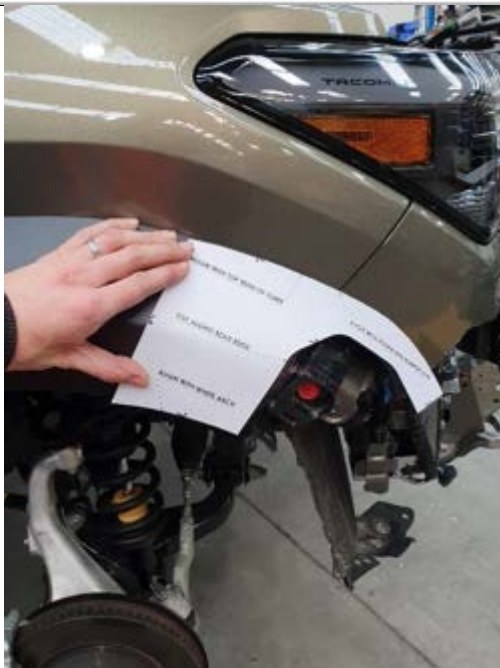
21. Identify appropriate template for vehicle model. Two different templates are supplied.

Confirm correct sizing of template by measuring the scale provided.

Cut out flare cut template.

37800493 – STANDARD FLARES

37800494 – WIDE FLARES



22. Cover flare cut region with masking tape to mark out cut path.

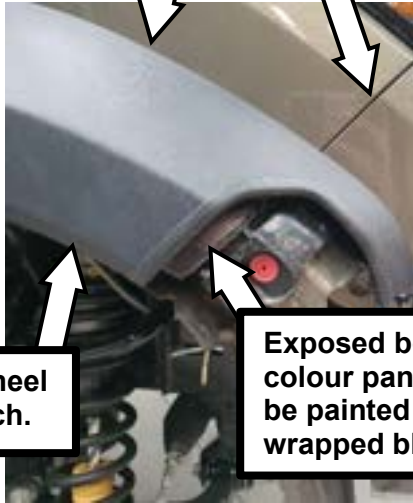
Place cut template on masked flare using instructions on template and trace cut path onto flare. Retain template to use on other side.

TRD Off-Road model shown.

Right hand side shown, repeat for other side.

Top edge
of flare.

Fender and
bumper join as
described on
template.



Wheel
arch.

Exposed body
colour panel to
be painted or
wrapped black.

23. Cut flare to templated marking and apply pinch weld to the cut edge as shown.

Remove trimmed flares and use black paint or vinyl to cover body colour section exposed by flare trim.

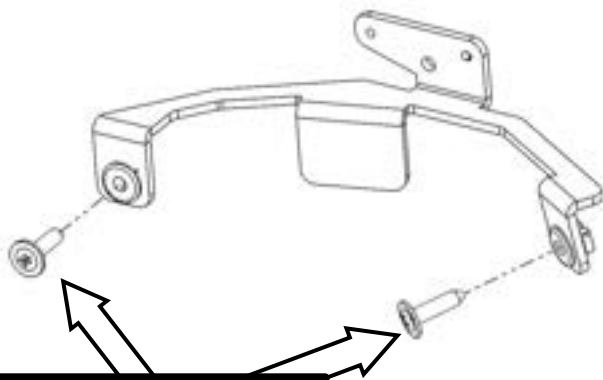


24. Re-fit the bumper and flares as it is much easier to trim the bumper on the vehicle.

25. Cut the grille and bumper along the vehicle trim lines as shown. Where possible use the breaks in material to reduce cutting.



26. Link the point from the first BUMPER cut to the end point of the FLARE cut on the vehicle. Cover area with tape, mark a line from both points with a straight edge and cut through the bumper.



**Self tapping screws
and screw grommets**

27. Secure trimmed bumper to bumper retention brackets using two self-tapping screws and two screw grommets through the bumper. Right hand side shown.

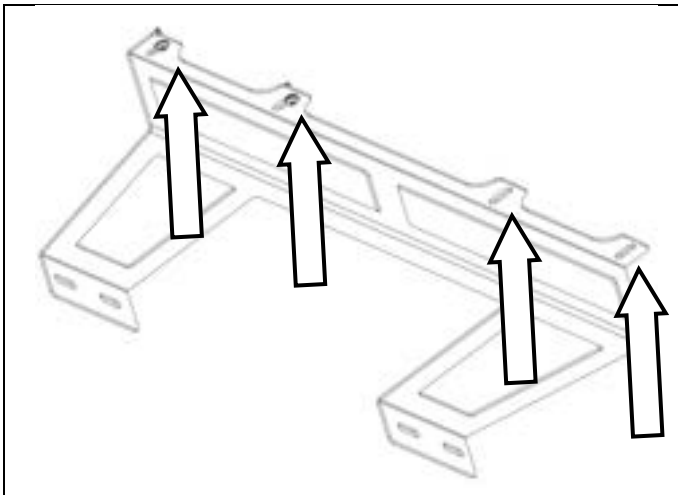
Repeat for other side.

Hint: Use bracket as template to mark and drill pilot holes to ensure alignment.



28. Fit the RHS and LHS active grille shutter (AGS) retainer brackets and the grille retainer bracket to the vehicle using four M6x25 flange bolts.

Fit four grommets to the apertures in the AGS retainers.



29. Gently push the grille forwards to make sure it has not moved back towards the vehicle after being cut.

Mark and drill the four tabs on the grille where bracket slots line up using a 5mm drill bit.

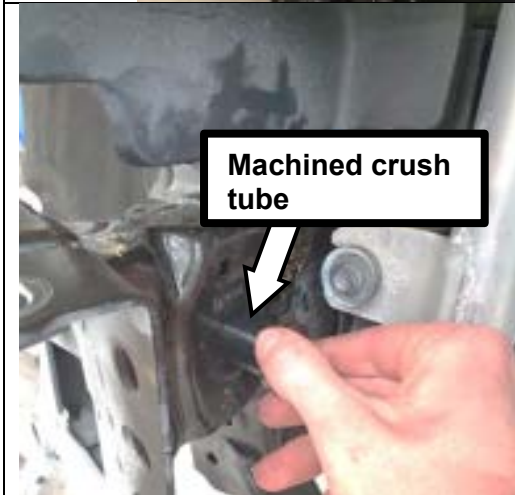
Fasten the grille to the retainer bracket using four self-tapping screws.



Plastic grommet on outer face of chassis rail

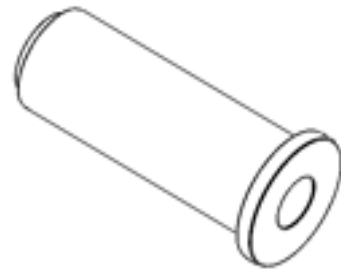
30. Remove the three forwardmost plastic gromets on the chassis rails. One on chassis rail outer face, one on inner face and one on lower face.

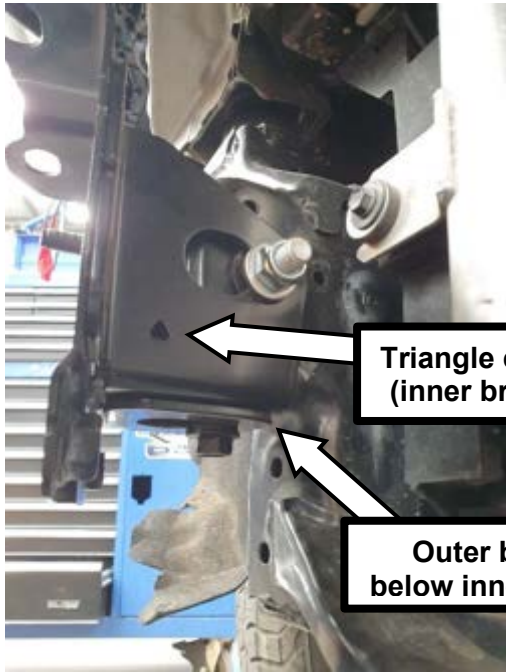
Repeat for other side.



Machined crush tube

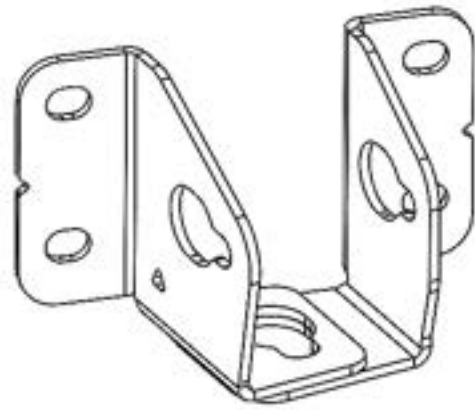
31. Identify and fit a machined crush tube into each chassis rail (RHS and LHS) from the inside.





**Triangle cutout
(inner bracket)**

**Outer bracket
below inner bracket**



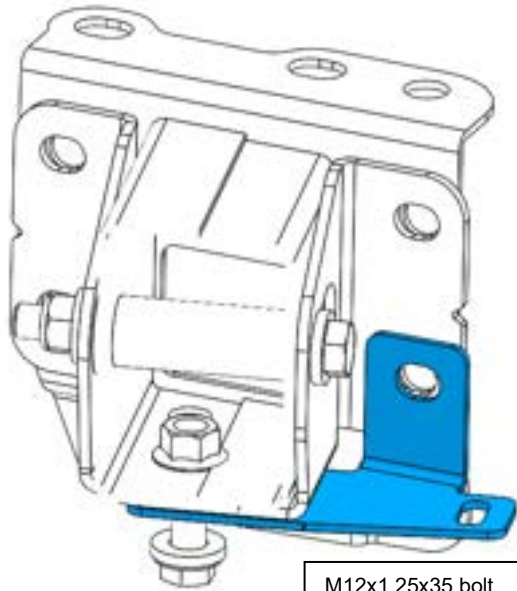
RHS Chassis Support Brackets

32. Identify and fit the chassis support brackets to the chassis rails and hold in place with the M12x1.25x40mm bolt, washer and serrated nut in bottom face. Note orientation of two brackets, right hand side shown. Triangle cutout identifies inner bracket. Leave fasteners finger tight.



**M12x1.75x110mm bolt,
M12 washers and
M12x1.75 Nyloc nut.**

33. Install one M12x1.75x110 bolt, two M12x26 washers and a M12 Nyloc nut to each crush tube (two crush tubes). Leave fasteners finger tight.



M12x1.25x35 bolt
M12x426x4mm washer
M12x1.25 flange nut



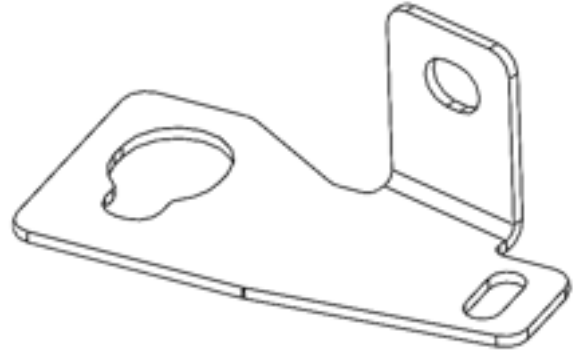
34. Identify underpanel mount bracket.

Assemble using an M12x1.25x35 flange bolt, M12 flat washer and flange nut. (Nut inside chassis).

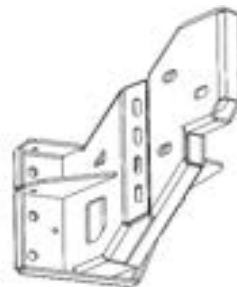
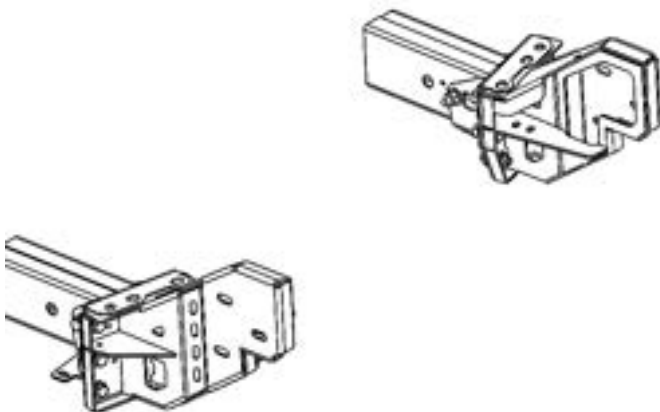
Torque to specification.

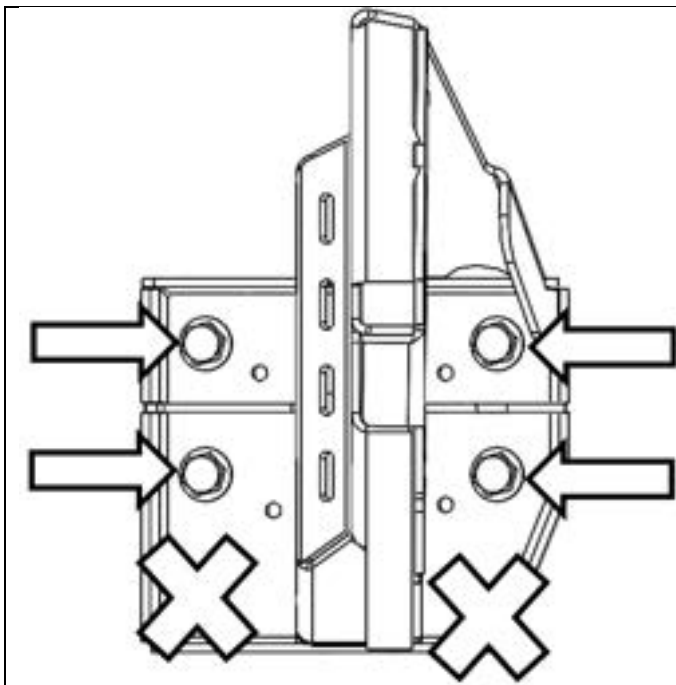


M12 (PC8.8) - 77 Nm.



35. Identify the impact absorber bull bar mounts. Present each side to chassis ends. RHS shown below.

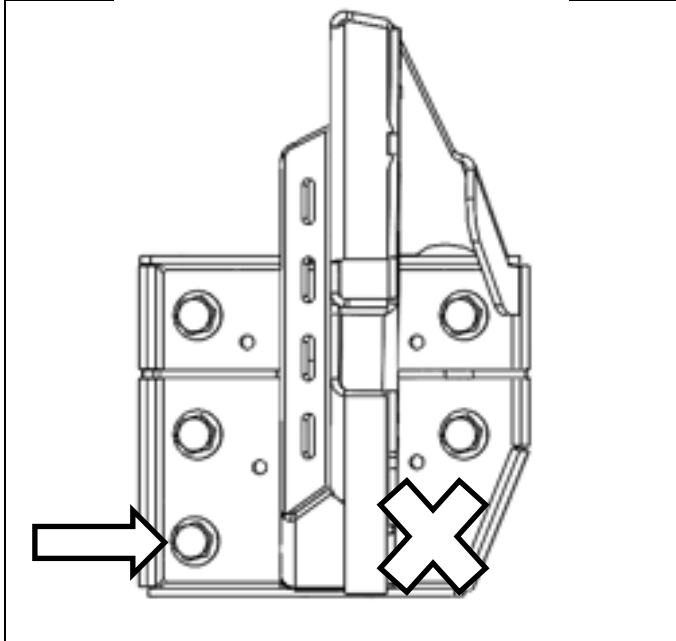




36. Fit mount to the chassis with four M12x 1.25x35 flange bolts, four M12 flat washers & four M12 silver flange nuts.

RHS shown repeat LHS.

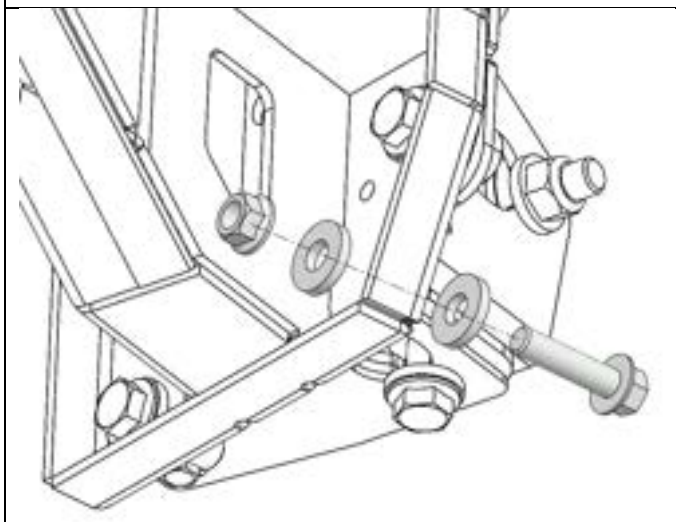
Note: Leave lower holes empty.



37. Fasten another M12x1.25x35 flange bolt with M12x26x4mm flat washer into the weld nuts on the chassis end plates in the position shown.

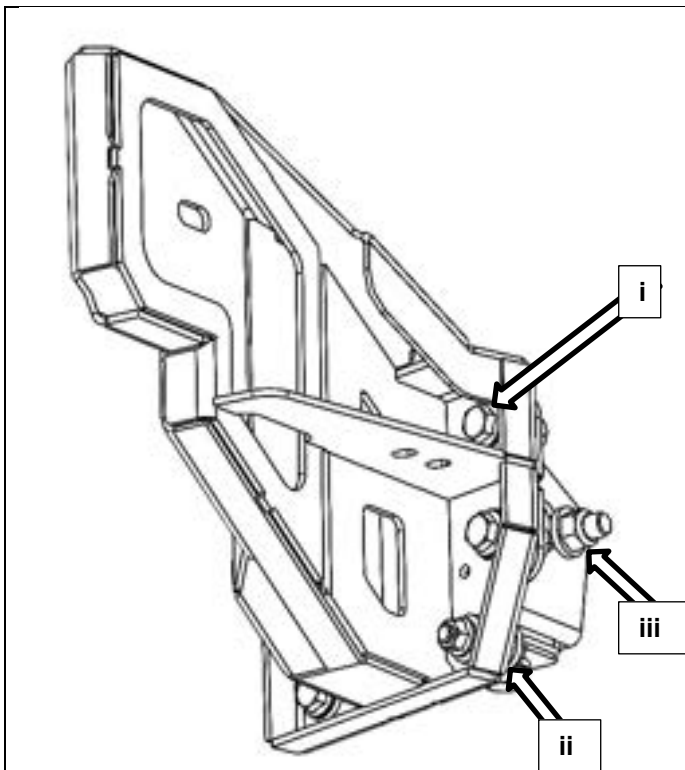
RHS shown repeat LHS.

Note: Leave lower inner hole empty.






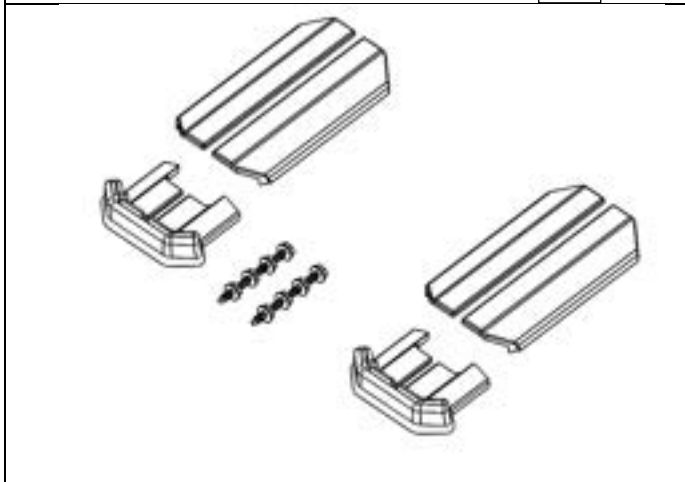
38. Assemble one M10x1.5x40 flange bolt, two M10x25 washers and one silver M10x1.5 flange nut through the lower inner mounting position.

Repeat on opposing side.

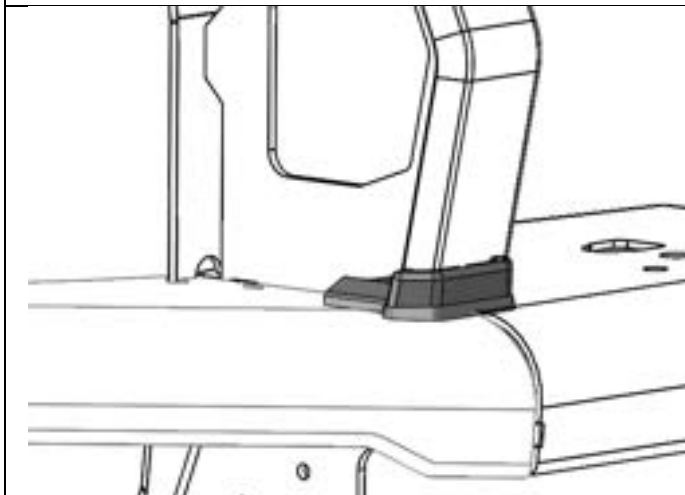


39. Tension mounting hardware to specification in the order illustrated.

- i.  M12 (PC8.8) - 77 Nm.
- ii.  M10 (PC8.8) - 44 Nm.
- iii.  M12 (PC10.9) - 92 Nm.

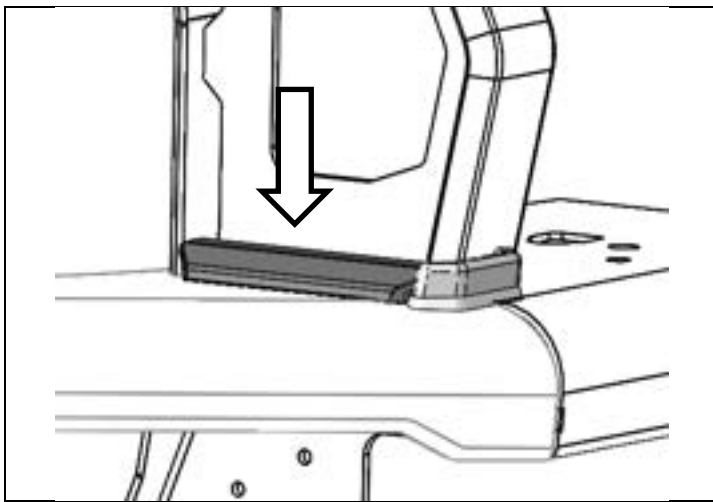


40. Identify the cover strap plastics kit, 3163294.

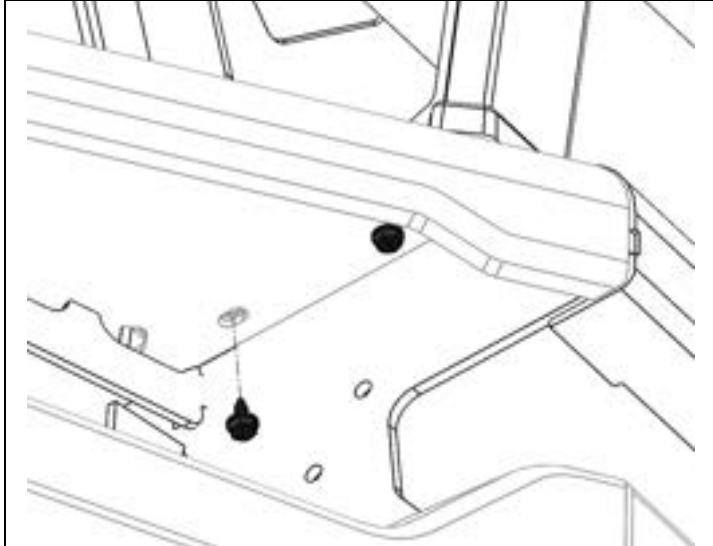


41. Fit the rubber intersection mouldings to the base of each upright cover strap.

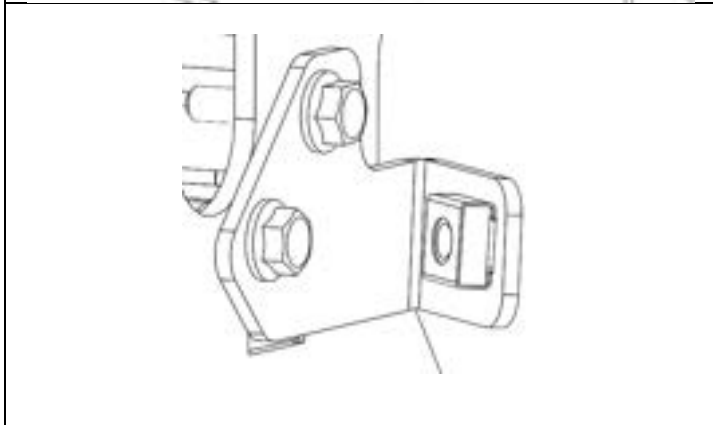
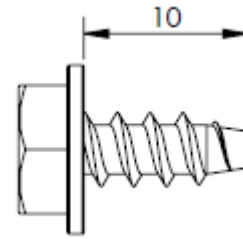
Ensure that the skirt of the rubber moulding is not folded back on itself and is sitting flat against the bull bar.



42. Place the plastic cover down onto the rubber moulding, repeat on both sides of the cover straps.

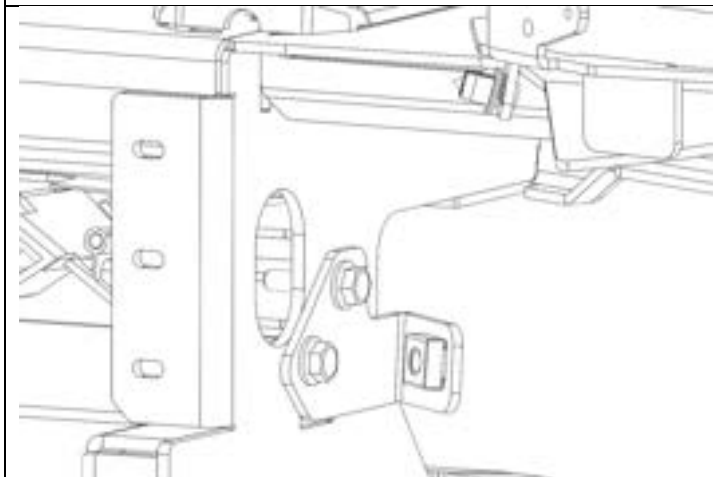


43. From underneath, fit two screws into each plastic cover. Tighten until the covers are secure and have firmly clamped the rubber moulding.

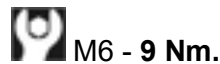


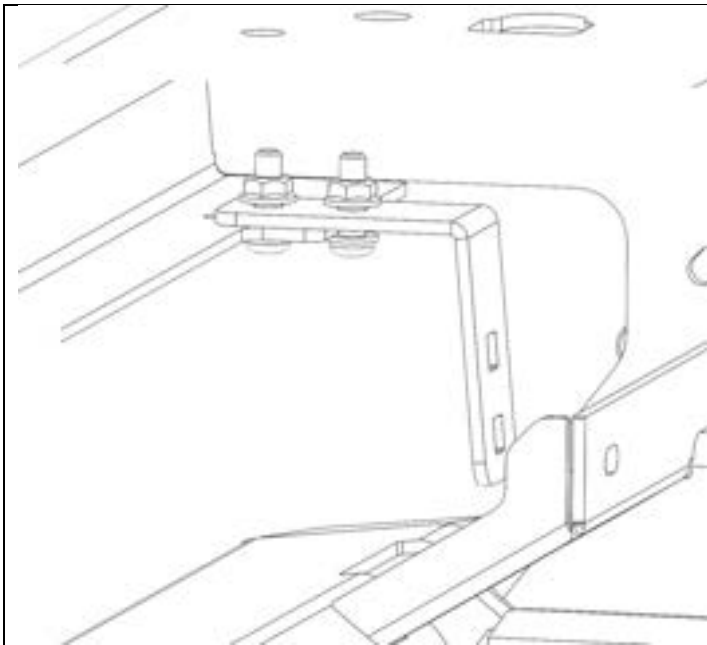
44. Assemble two M6 (2.6-3.5mm) silver caged nuts into both fog cluster mounting brackets.

RHS shown repeat LHs

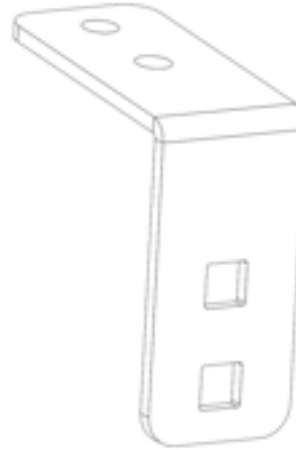



45. Assemble both fog cluster mounting brackets onto the outside of the uprights with two M6x1.0x20mm flange bolts, M6x12 washers and M6 flange nuts.

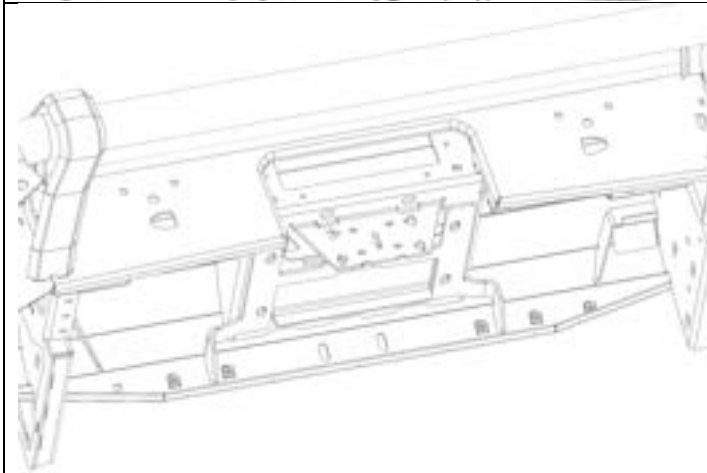




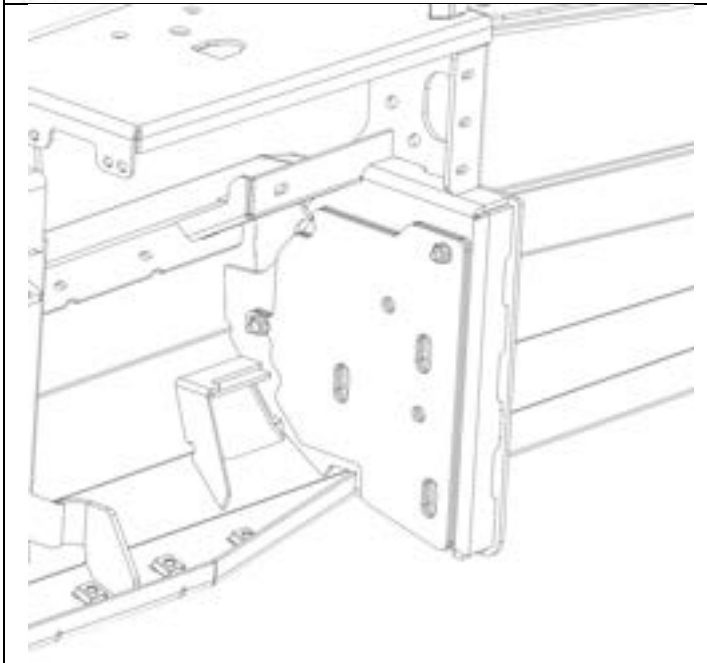
46. Fit the grille mount brackets to the bull bar using two M6x20 button head screws, M6x12 flat washers and M6 flange nuts.



 M6 - 9 Nm.



47. Assemble six silver M6 cage nuts into lower return of bull bar pan



48. Use a tape measure to check the distance across the two internal mounting faces of the bull bar.

Similarly measure the distance between the mounting faces on the chassis mounts.

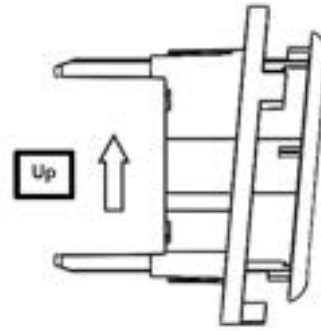
Select an appropriate number of **2.5mm** shims to take up the difference in the two dimensions taken and pre assemble onto bull bar uprights using M6x25 bolts, washers and flange nuts.

(2-3 shims per side should achieve a smooth sliding fit between bull bar and mounts).



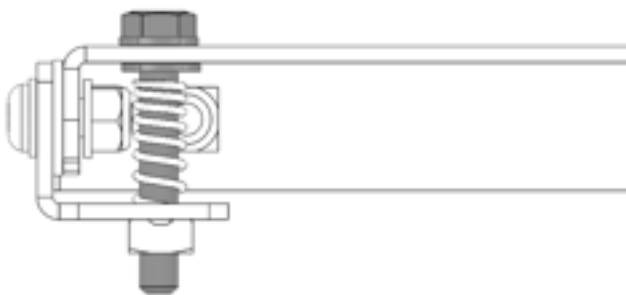
49. Fit four sensor surrounds to the bar.

Clip the sensors removed and labelled previously to the correct locations in the bull bar.



50. Identify harness extension 6821451.

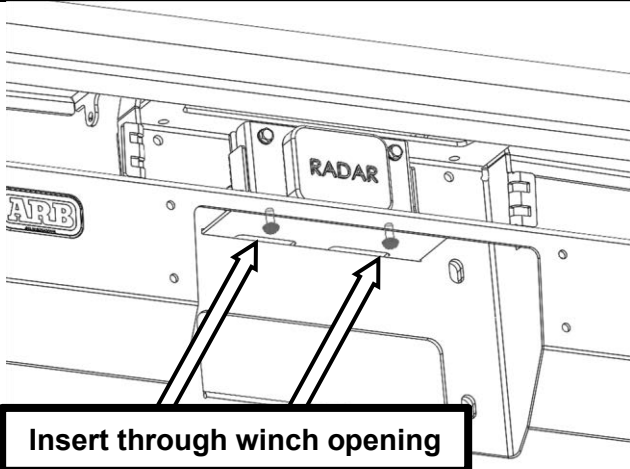
Connect the harness extensions to the two most inner parking sensors on the bull bar.




51. Assemble two M6x40 hex head bolts, two M6 flat washer and two springs provided. Position is not important at this stage.



52. Fasten radar module to the bracket using 3 OEM phillips head screws.

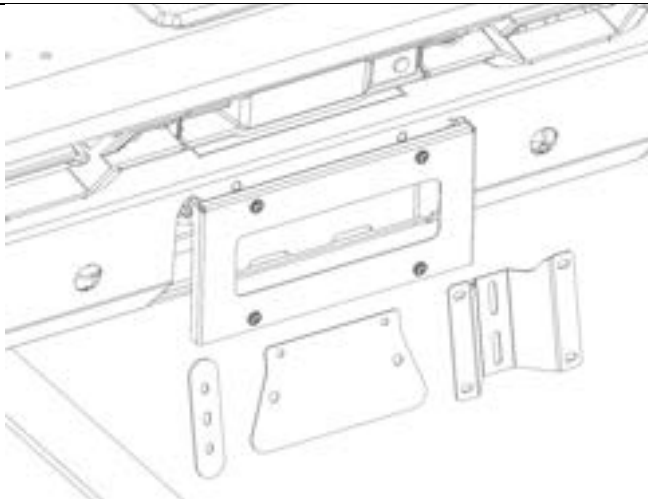


53. Fasten radar assembly to the bull bar using two M6 button head screws and two M6 flat washers. Torque to spec.

 M6 - 9 Nm.

WINCH INSTALLATION

Note: If fitting a winch, install at this stage. Refer to instructions found in supplied winch fit kit 3523030.



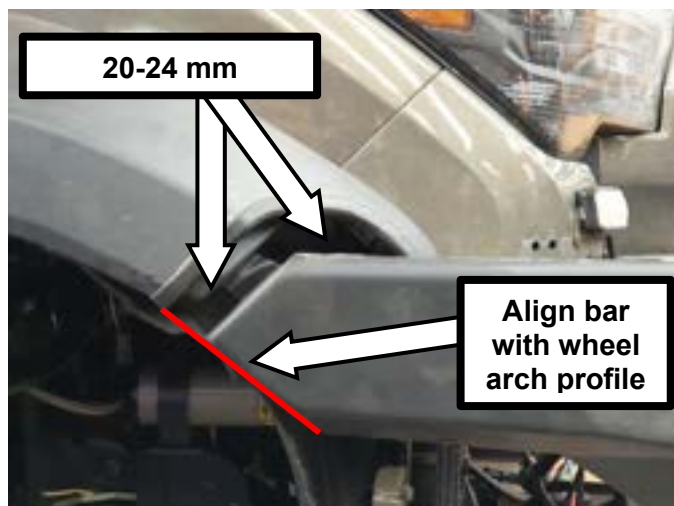
54. Follow the instructions supplied with fitting kit 3523030 to fit the licence plate holder to the bull bar.



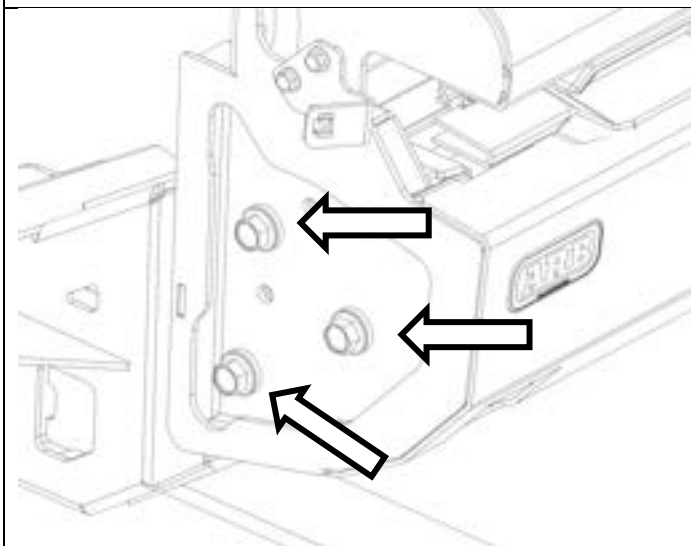
55. To fit the CANDEC module, 3501200 harness and 3523050 CANBUS harness refer to the fitting instructions supplied with those kits.



56. Using a lifting trolley, present the bull bar to the vehicle and slide over the mounts.
- Check the central alignment of the bullbar to the vehicle and adjust the shims on the bar to achieve a centered fit if required.



57. Adjust the bar to make the back edge of the bar run in line with the fender/bumper join and run parallel to the cut flare faces with a consistent gap of 20-24mm.



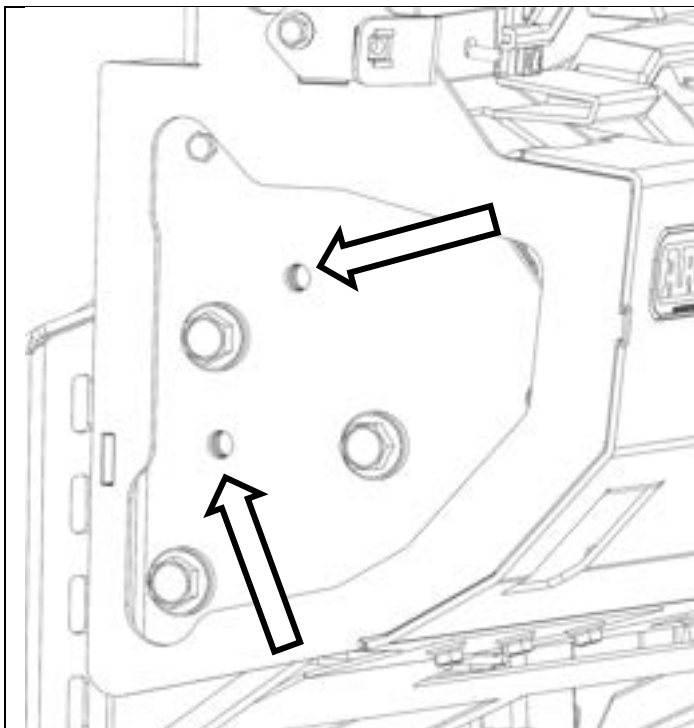
58. With the bull bar sitting in place, fit three black M12x1.25x40 (PC11.9) flange head bolts, six M12 washers and three M12 flange nuts per side.

If the gap between the inner wing profile and the quarter panels is not equal on both sides of the vehicle, adjust the number of shims accordingly.

Torque all bolts to spec.



M12 (PC11.9) - 102 Nm.



59. Drill the two $\varnothing 10\text{mm}$ pinning holes on each upright.

Add anti-corrosion touch up paint to areas drilled.

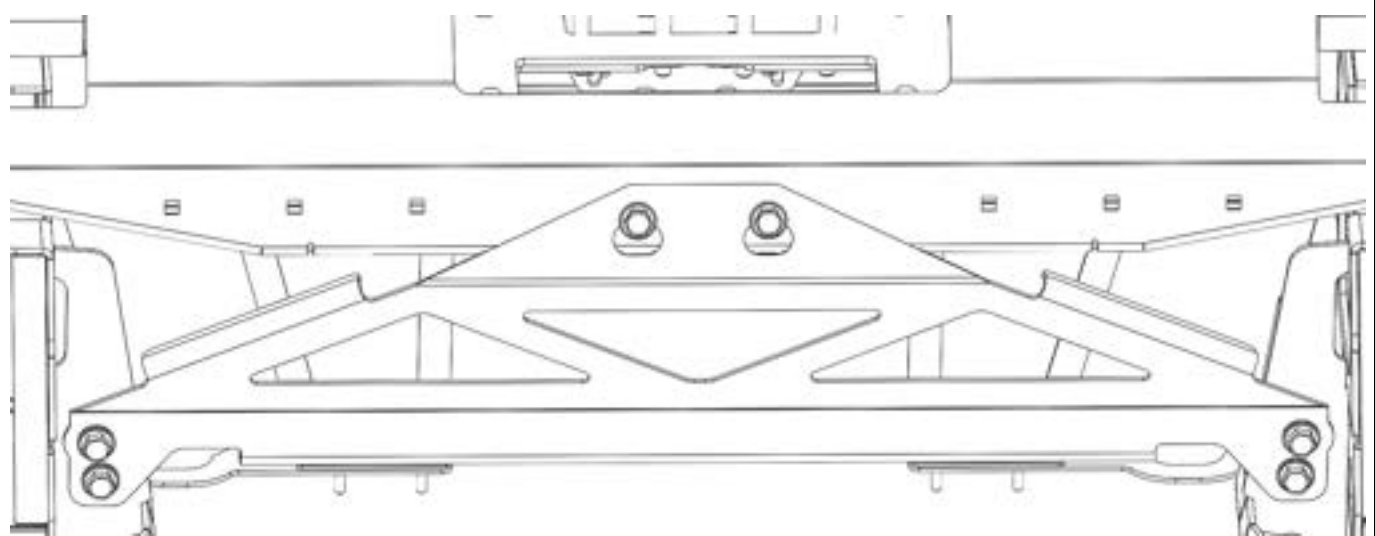
Install two M10 bolts, washers and flange nuts to the pinning holes on each side. Torque to specification.



M10 (PC11.9) - 54 Nm.



60. Fit the winch cross brace using six M10x30mm flange head bolts, M10x23x2mm flat washers and black M10 flange nuts.



61. Route the OEM harness from the vehicle to each parking sensor in the bull bar and connect the harness to the parking sensors and sensor extension connectors.

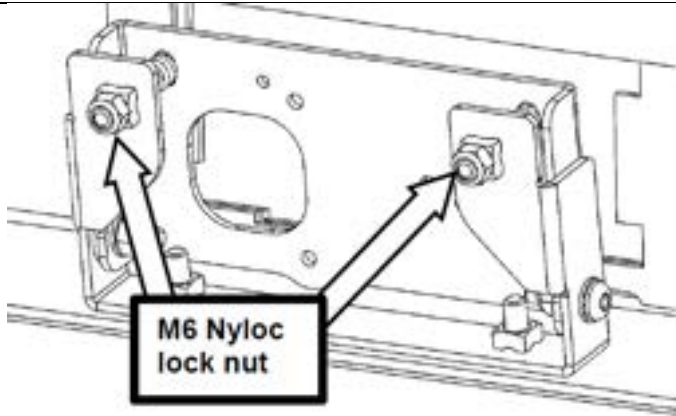
Secure harness with cable ties



62. Place a digital level on the front face of the radar. The front face should be 90 degrees to level ground with a tolerance of ± 1 degree. Turn the two adjustment bolts evenly to alter the angle of the radar module to fall within this tolerance.

Reconnect the radar module to the OEM harness.

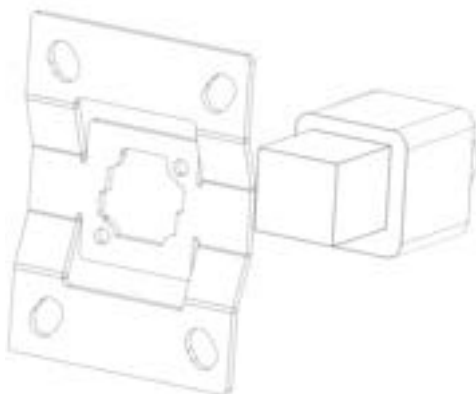
Secure the harness with cable ties.



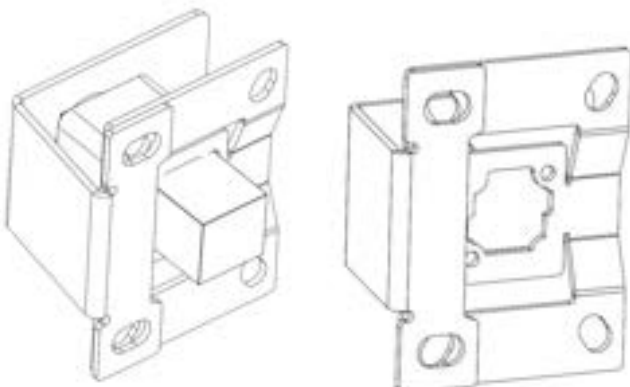
63. Lock the radar adjustment in position with two M6 Nyloc nuts tightened against the radar bracket as shown. Hold adjustment bolts in place when tightening. Torque to spec.



64. Trim the middle section from the radar cover as shown. This section will be positioned on the RHS of the vehicle.

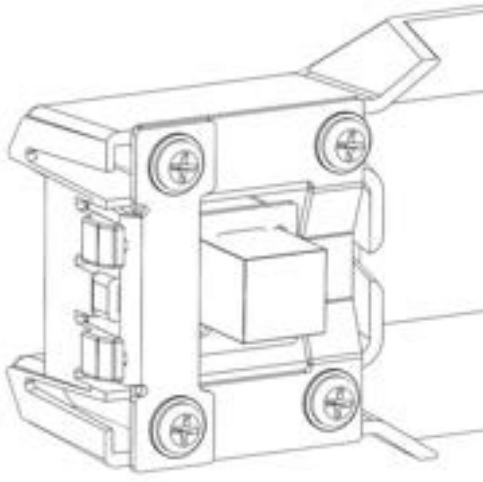


65. Using the two OEM screws fasten the camera to the relocation bracket as shown on the left.



66. Fit the camera shroud bracket over the camera to the camera mounting bracket in the position shown.

The camera bracket must be orientated as shown to ensure the camera view is correct.

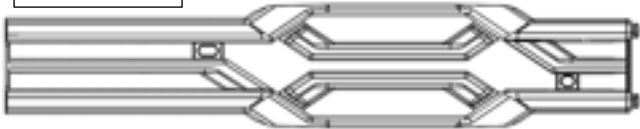


67. Fasten the camera bracket and shroud to the radar cover using four self-tapping screws.



BEFORE

LHS ONLY



AFTER

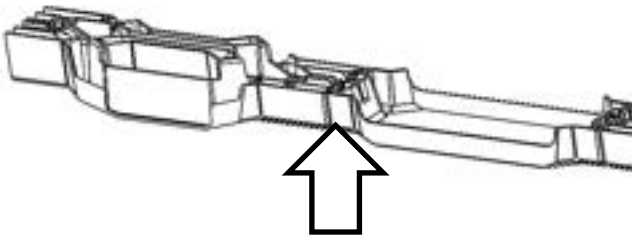
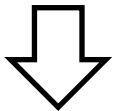


68. If fitting a winch, remove grille sections shown for access to clutch lever.

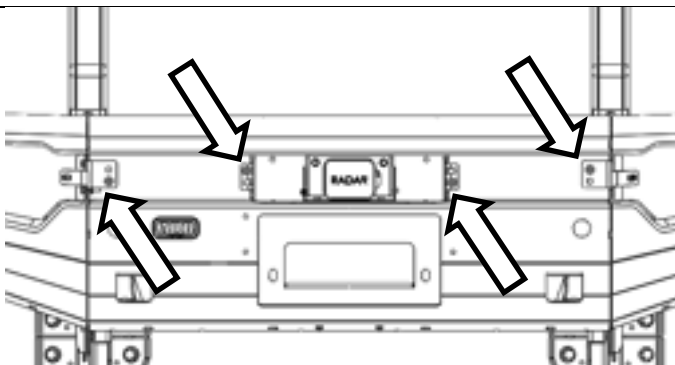
Cut from rear with an oscillating multi-tool.



69. Identify the radar cover section kit, 3163290 with the camera and bracketry fitted.

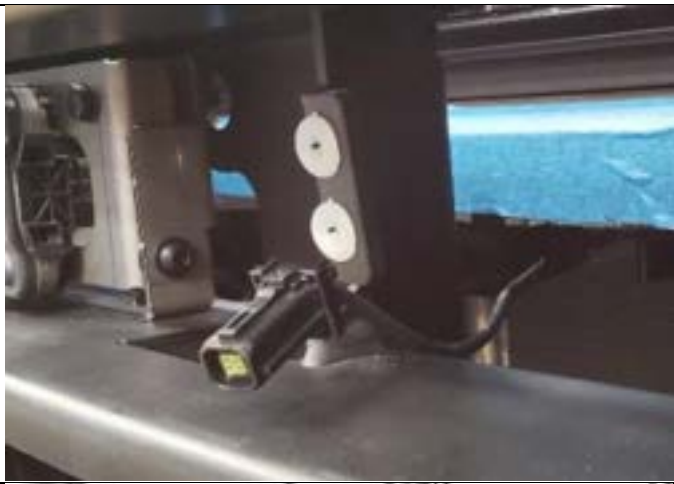


70. Assemble centre section with RHS outer section included in kit 3163295. Make sure clips are fully engaged.

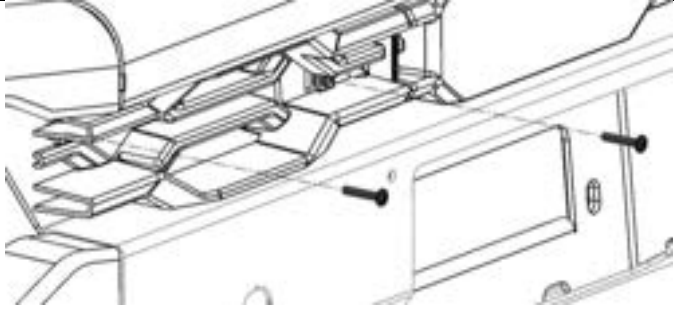


71. Press four round plastic grommets from the grille kit into the square cut-outs seen from the front of the bull bar.

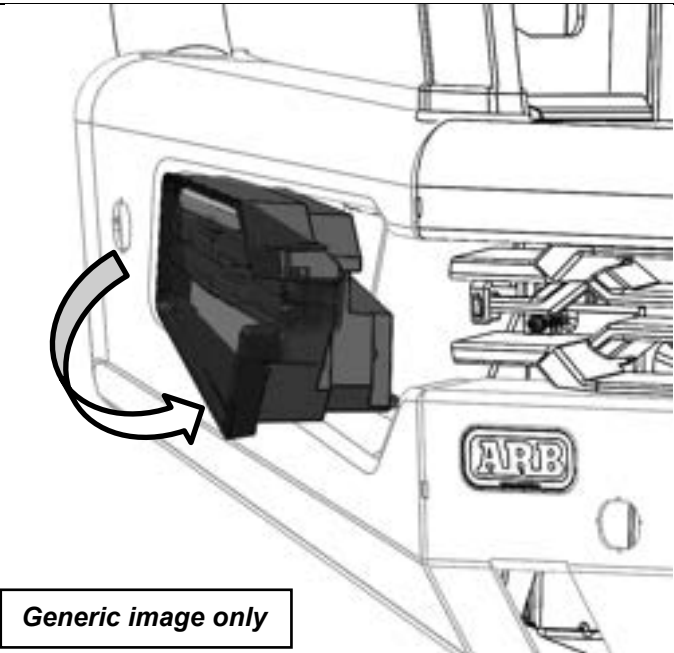




72. Present the grille assembly close the bull bar and reconnect the camera to the OEM harness.

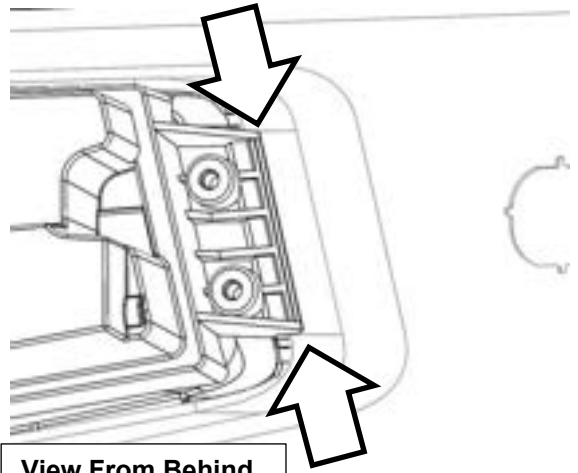


73. Attach RHS grille (assembled with radar cover) to the bull bar using four torx head screws supplied in grille kit.

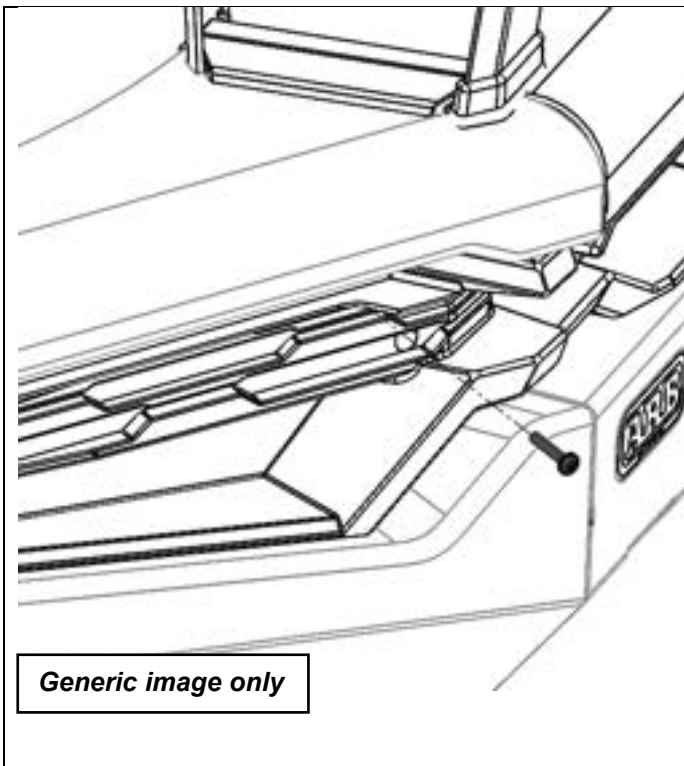


Generic image only

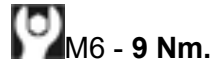
74. Index the outside groove of the lamp cluster over the edge of the aperture in the bull bar wing. Then rotate the lamp cluster into place.



View From Behind

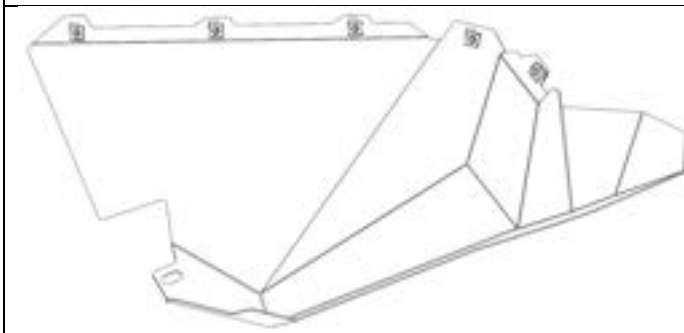
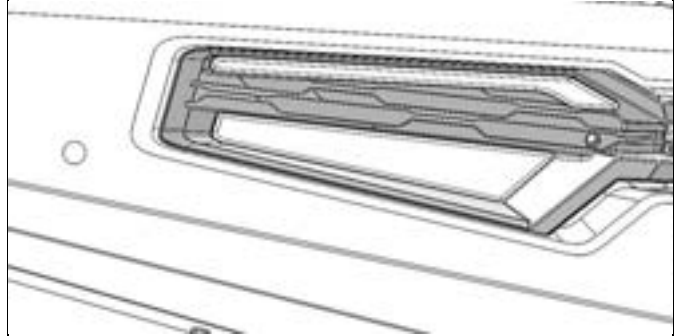


75. Secure lamp cluster with M6 Torx head screw. If no nylon patch is visible on the screw apply Loctite 243 to the screw before fastening the screw.

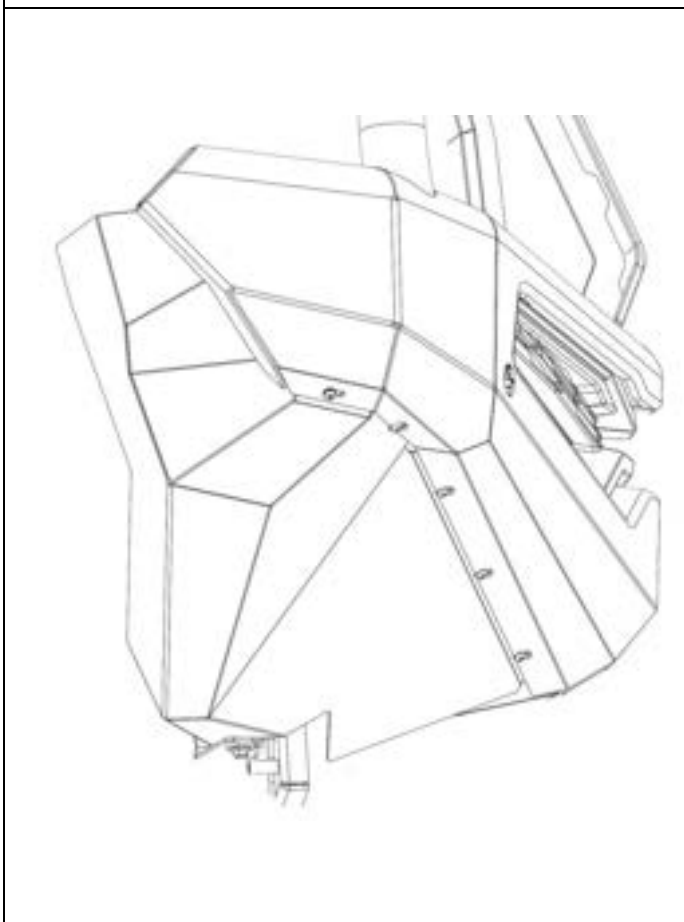


Note: Push lamp cluster hard against the aperture in the bull bar wing when fastening.

Connect lighting harness into the back of each fog cluster.

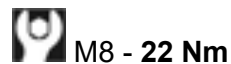
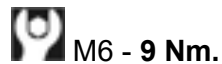


76. Fit each wing underpanel with six M6 black cage nuts.



77. Fit wing underpanels to bull bar using twelve M6x20 button head screws and M6x12 washers screws into the wings, and one M8x26x4 washer and M8 flange nut per side.

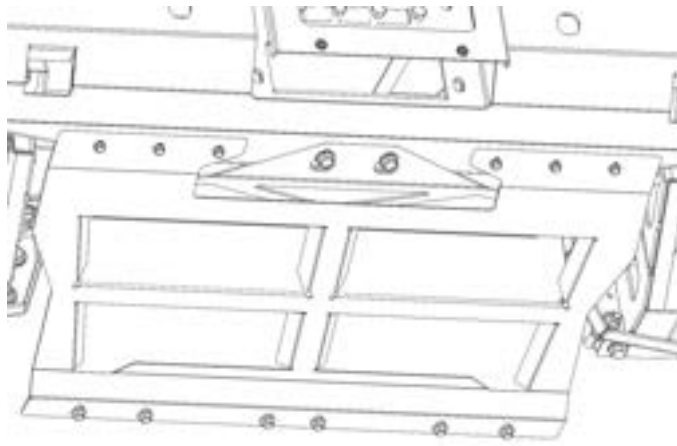
The wing underpanel should capture the wheel arch liner as shown.





OEM M8 Bolts

78. Remove front two bolts from OEM under panel.



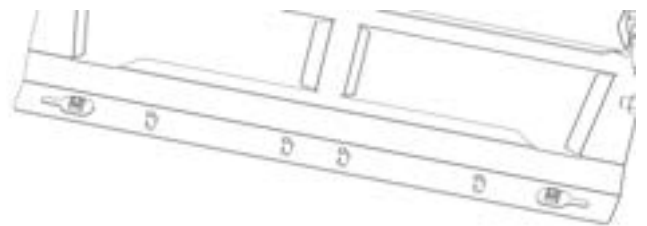
79. Fit the centre stone panel using six M6x25 bolts into the cage nuts on the bull bar lower pan, and four/six M8x25 flange bolts into the lower chassis crossbar, using two M8 nut plates for the outer holes and threaded weld nuts on the vehicle frame in other locations.



M6 - 9 Nm



M8 - 22 Nm



80. The number of bolts used for the centre panel may vary depending on UVP fitment. If fitting UVP, sandwich the centre panel between the chassis crossbar and the UVP panel.



81. Fit the number plate using fasteners supplied with kit 3523030.

FITTED PRODUCT

NOTICE: ONCE SUMMIT MKII BULL BAR IS FITTED:

- ◆ Ensure all bolts are tensioned correctly.
- ◆ All wiring is clear of sharp edges or moving surfaces and secured properly.
- ◆ Piping is secured well away from sharp or moving components.
- ◆ Check operation of winch, if fitted.
- ◆ Check all wiring and connections to sensors, camera and radar are functioning correctly.
- ◆ Misalignment of parking sensor to hole in bull bar may cause malfunction, if fitted.
- ◆ If fitted, test operation of parking sensors after fitment.

