



FITTING INSTRUCTIONS

Part Number:	3455010, 6178622, 6178623
Product Description:	ZENITH WINCH BAR
Suited to vehicle/s:	BYD SHARK 6 240N
Optional Fitting Kits:	4355010 – Auxiliary Battery 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.
- ◆ Vehicle ignition must remain **OFF** until all sensors are relocated and reconnected in their final position.

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 RIGHT-ANGLE DRILL
OSCILLATING MULTI-TOOL WITH BLADE SUITABLE FOR PLASTIC	Ø10MM DRILL BITS
FILE OR SAND PAPER	MASKING TAPE
BASIC MEASURING TOOLS	SCISSORS
DIGITAL SPIRIT LEVEL	TORQUE WRENCH 9-100 Nm CAPACITY
1m STEEL RULE	TORX KEYS
	LOCTITE 222

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection	
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NOTE: When installing ground terminals, please ensure the ground point is clean and secure with good contact. Do not stack more than one additional ground terminal onto any ground point. If adding a ground terminal to an existing ground point, please ensure the fastener is correctly tightened after installation.

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

PARTS LISTING - 3455010			
APPLICATION.	PART NO.	QTY	DESCRIPTION
BULLBAR	4655810	1	WELDMENT SUIT BYD SHARK ZENITH

PARTS LISTING - 6178622			
APPLICATION.	PART NO.	QTY	DESCRIPTION
CENTRE BASH PLATE	4655815	1	BASH PLATE WELD ASSY SUIT SHARK
WINCH CRADLE	4655940	1	WINCH CRADLE
	37501122	1	WINCH MOUNT PLATE
WING PANELS	6523768R	1	WING PANEL FRONT RHS
	6523768L	1	WING PANEL FRONT LHS
	6523769R	1	WING PANEL REAR RHS
	6523769L	1	WING PANEL REAR LHS

PARTS LISTING - 6178623			
APPLICATION.	PART NO.	QTY	DESCRIPTION
MOUNTS & RECOVERY POINTS TO CHASSIS	4655814R	1	MOUNT ASSY RHS BYD SHARK
	4655814L	1	MOUNT ASSY LHS BYD SHARK
	4655813R	1	RECOVERY POINT RHS BYD SHARK
	4655813L	1	RECOVERY POINT LHS BYD SHARK
	4655970R	1	RECOVERY POINT BRACE RHS
	4655970L	1	RECOVERY POINT BRACE LHS
	2125484	2	STICKER RECOVERY POINT
	6151817	6	BOLT HXHD FL M12x1.25x40
	6151480	2	NUT FLANGE M12x1.25
	4584363	18	WASHER FLAT M12x26x4
	6152092	2	BOLT HXHD M12x1.75x110
	6152309	2	CLEVIS NUT M12x1.75
	4722125	4	CRUSH TUBE M12 17.5OD
	6151683	4	BOLT HXHD FL M12x1.25x135
	6151835	4	NUT HEX NYLOC M12x1.25
	6151816	4	BOLT HXHD FL M10x1.25x60
	6151478	4	NUT FLANGE M10x1.25
	4584361	10	WASHER FLAT M10x25x4
	6151638	2	BOLT HXHD M10x1.5x40
	3197431	2	RECOVERY POINT SPACER
	6151223	4	NUT HEX NYLOC M6x1.0
	4584295	4	WASHER FLAT M6x12
	4655037	2	NUT STICK M10
BAR TO MOUNTS	3195891	6	PACKER SUIT RANGER ZENITH
	6151443	2	SCREW BHD M6x20
	4584295	2	WASHER FLAT M6x12
	6151817	6	BOLT HXHD FL M12x1.25x40
	4584363	6	WASHER FLAT M12x26x4
	6151480	6	NUT FLANGE M12x1.25
	6152197	4	BOLT HXHD FL M10x1.5x35
	6151752	4	NUT FLANGE M10x1.5
GRILLE MOUNTING	3163400	2	ZENITH BAR CENTER GRILLE
	37500259R	1	OUTER GRILLE BRKT RHS
	37500259L	1	OUTER GRILLE BRKT LHS
	6821189	8	GROMMET RND FL 1500 080 090
	6151603	8	SCREW PHD 4.8X1.59X26
	6151443	4	SCREW BHD M6x20
	6151173	4	NUT FLANGE M6
	4584295	4	WASHER FLAT M6x12
	37501173	1	GRILLE BRKT UPPER ZENITH
	37501254	1	GRILLE BRACKET LOWER

RADAR AND FOG LIGHT	3163344R	1	FOG LIGHT HOUSING RH/LH
	3163344L	1	FOG LIGHT HOUSING LH
	37500792R	1	FOG BRKT RHS BYD SHARK
	37500792R	1	FOG BRKT LHS BYD SHARK
	37500873R	1	INNER FOGLIGHT BRACKET RHS
	37500873L	1	INNER FOGLIGHT BRACKET LHS
	37500875	1	CENTRE RADAR BRACKET
	37500750	1	RADAR UPPER BRKT
	37500201	1	RADAR COVER SHROUD
	3163221	1	COVER RADAR GRILLE CENTRE MNT
	6151650	9	SCREW BHD M5x20
	4584347	18	WASHER FLAT M5
	6151912	9	NUT HEX NYLOC M5x0.8
	4584295	43	WASHER FLAT M6X12
	6151443	23	SCREW BHD M6x20
	6151223	22	NUT HEX NYLOC M6x1.0
	6151173	13	NUT FLANGE M6
	6151584	2	BOLT HXHD M6x1.0x40
	5670069	2	SPRING COMP STAINLESS 25x6.0ID
	5848302	2	PACKER RBAR NYLON
WINCH CRADLE	6152188	6	BOLT HXHD FL M8x1.25x25
	6151965	2	BOLT HXHD FL M10x1.5x30
	3197023	1	PLATE CRADLE SUPPORT
	6152197	4	BOLT HXHD FL M10x1.5x35
	6151752	4	NUT FLANGE M10x1.5
	6151753	2	SCREW BHD M10x1.5x25
	4584361	6	WASHER FLAT M10x25x4
WING BRACES	4681947R	1	BOLTED WING BRACE RHS
	4681947L	1	BOLTED WING BRACE LHS
	6152188	8	BOLT HXHD FL M8x1.25x25
	6151548	8	NUT FLANGE M8X1.25
COVER PANELS	37500791R	1	VANITY PANEL RHS BYD SHARK
	37500791L	1	VANITY PANEL LHS BYD SHARK
	6151882	4	SCREW PHD M8x20
	4584431	4	WASHER M8x24x5.8
	6152034	4	NUT U M8x1.25
NUMBER PLATE	3758963	1	BRKT PIVOT FOLDING
	37500303R	1	BRKT RHS NUMBER PLATE HINGE
	37500303L	1	BRKT LHS NUMBER PLATE HINGE
	6151173	8	NUT FLANGE M6
	6151443	10	SCREW BHD M6x20
	4584295	12	WASHER FLAT M6x12
	6151223	2	NUT HEX NYLOC M6X1.0
	5848302	2	PACKER RBAR NYLON
WING PANEL AND BASH PLATE MOUNTING	37500874	1	BASH PLATE MOUNT BRACKET
	6151921	3	BOLT COHD M8x20
	4584364	3	WASHER FLAT M8x26x4
	6152307	3	NUT CAP HX M8X1.25
	6151443	14	SCREW BHD M6x20
	4584295	14	WASHER FLAT M6X12
	6151173	6	NUT FLANGE M6
	6151526	8	NUT CAGED M6 1.8-2.7
	6151548	6	NUT FLANGE M8X1.25
	6152188	10	BOLT HXHD FL M8x1.25x25
	6151303	2	NUT CAGED M8 1.8-3.2
	37501214	2	WING PANEL BRACKET
PARKING SENSORS	3540290	1	SENSOR SURROUND KIT (4)
	6821477	1	SENSOR EXTEND INNER SUITS FORD

FITTING PROCEDURE



1. Disconnect negative terminal from 12V battery under rear seat.



2. Remove number plate from vehicle.



3. Open bonnet.



4. Gently pry radiator support shroud apart.



5. Gently unclip outer sections from inner fender.



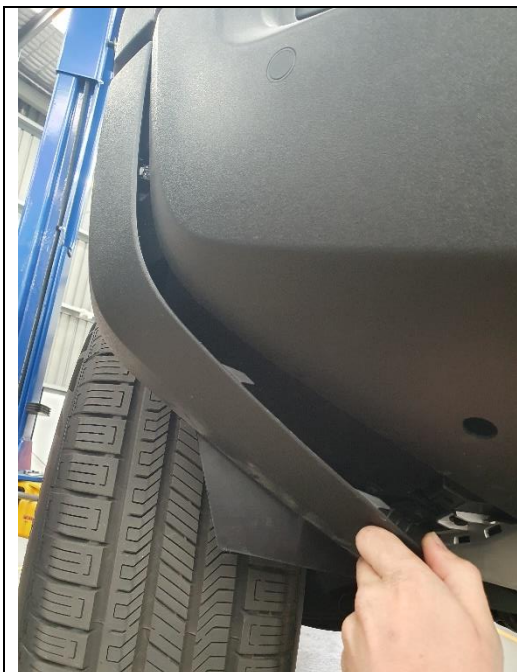
6. Gently pry and unclip remainder of radiator support shroud.



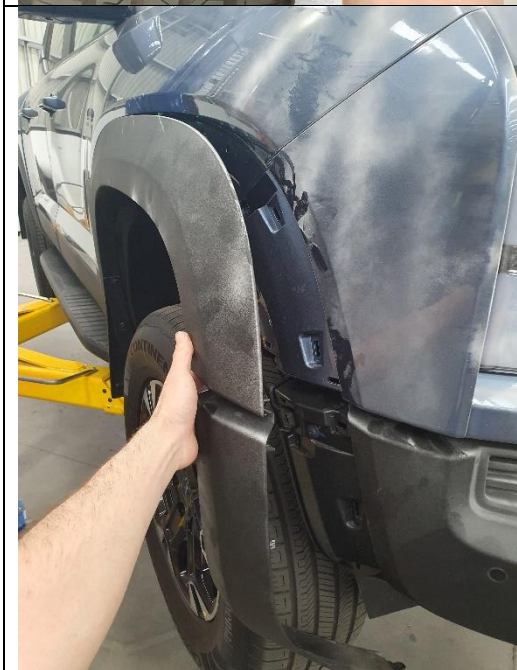
7. Remove clips from inner arch liner



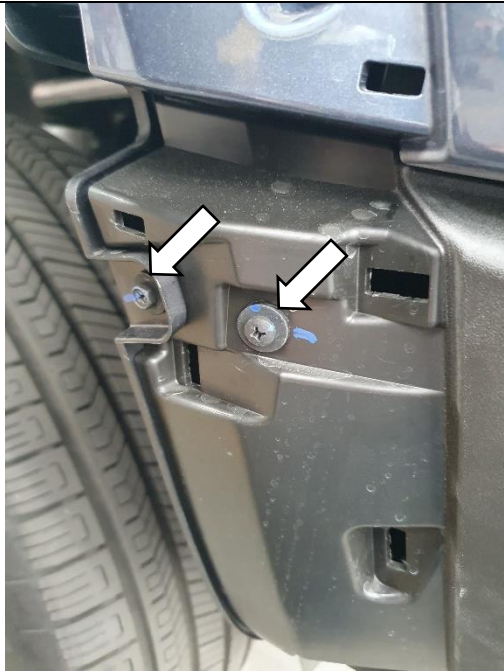
8. Remove three plastic panels in bumper to reveal three M6 bolts. Remove bolts.



9. Remove screw and pry lower edge of flare away from bumper.



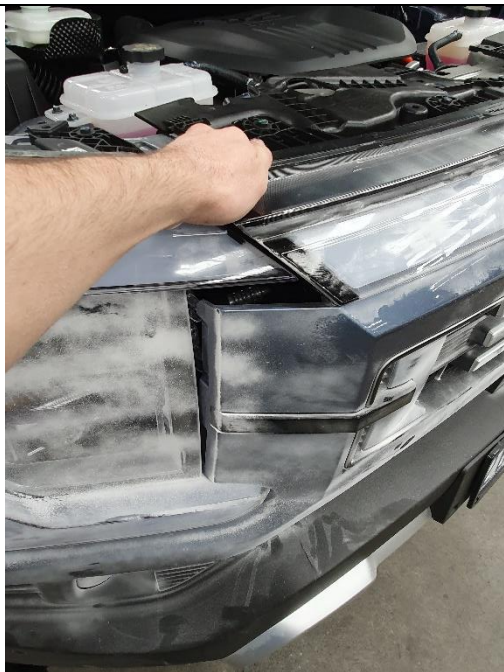
10. Gently unclip the front section of the flare.



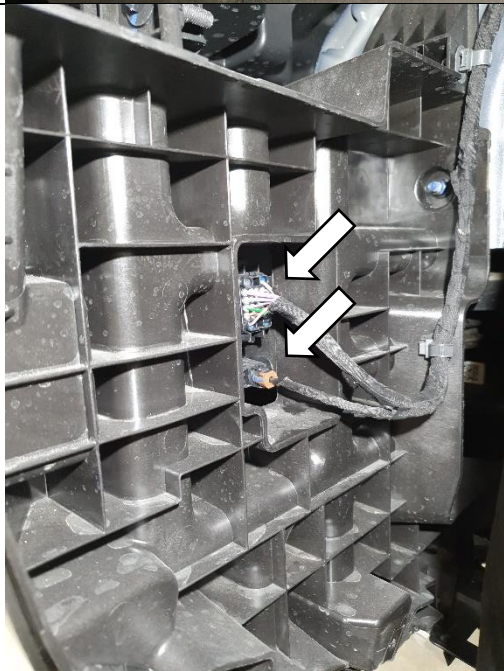
11. Remove the now exposed Phillips head screws.



12. Gently pry the bumper away to unclip it from the fender.



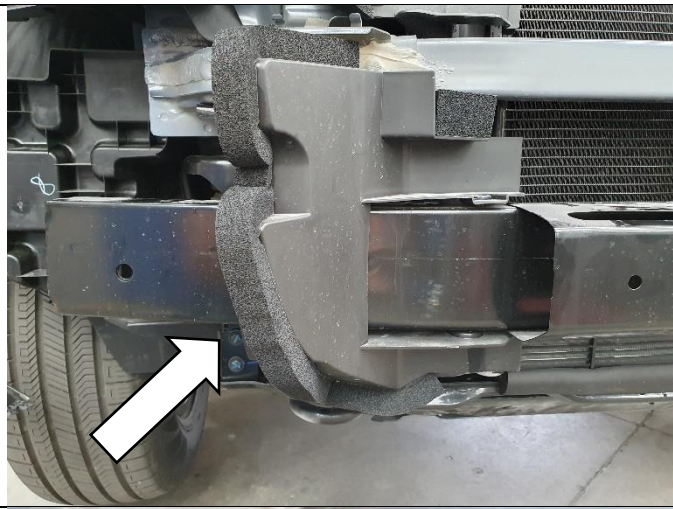
13. Gently pry the centre section of the bumper away from the vehicle.



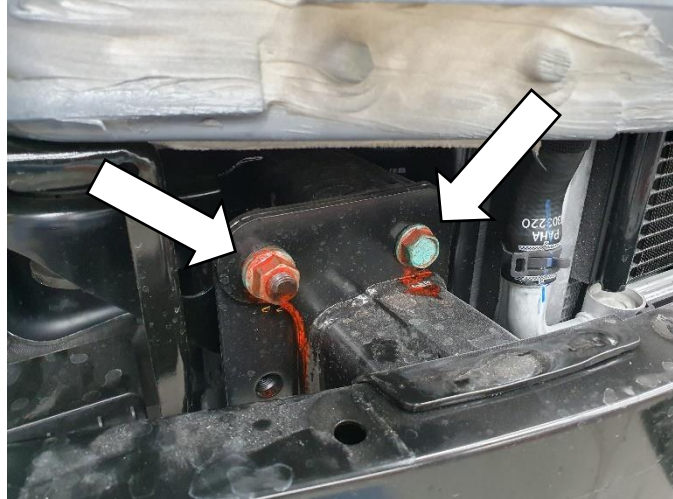
14. Unplug the two bumper electrical connectors from the passenger side wheel well.



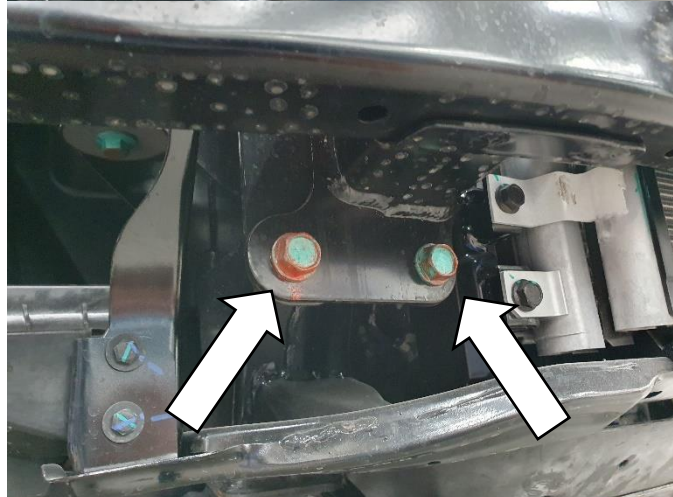
15. Remove the bumper from the vehicle and set aside carefully.



16. Remove plastic shrouds from OEM crash beam.



17. Remove OEM crash beam bolts and nuts. One M12 nut and three M12 bolts per side. Retain nuts for re-fitment later.



18. Remove OEM crash beam from vehicle and discard.





19. Unclip electrical connectors from bumper sub-structure.



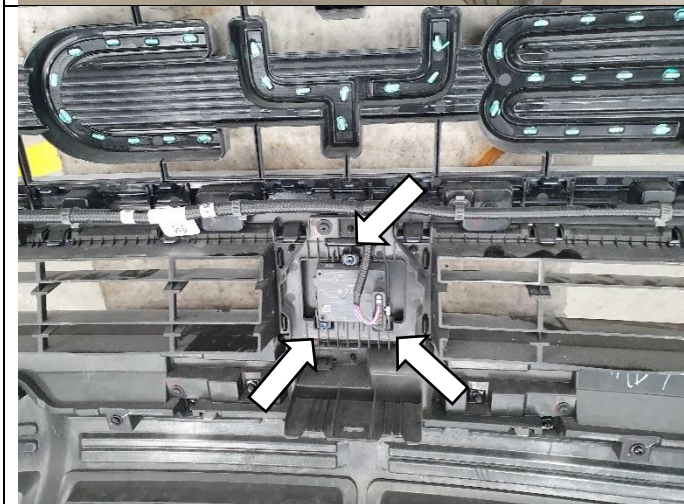
20. Remove bumper sub-structure from each side of vehicle by loosening M6 OEM fasteners.



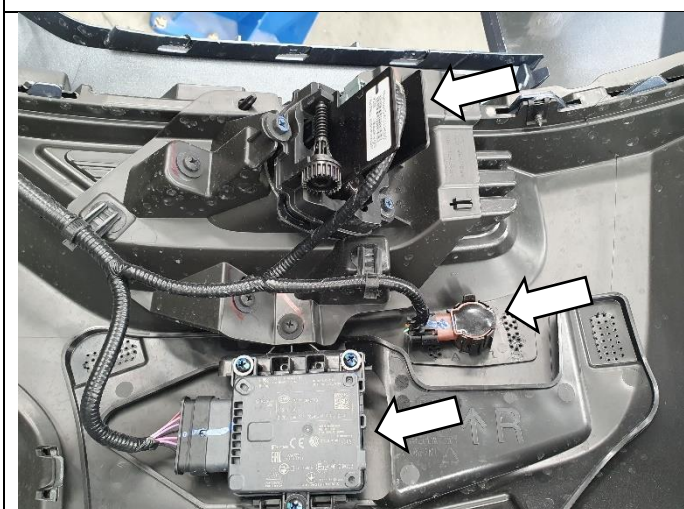
21. Loosen four M6 OEM bolts to remove steel bumper sub-structure.



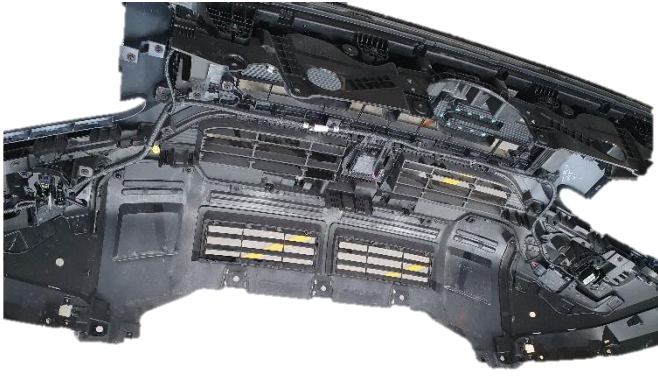
22. Remove centre bumper support bracket from vehicle. Two M6 bolts.



23. Remove centre radar by removing three Phillips head screws. Take note of orientation for reinstallation in bull bar.



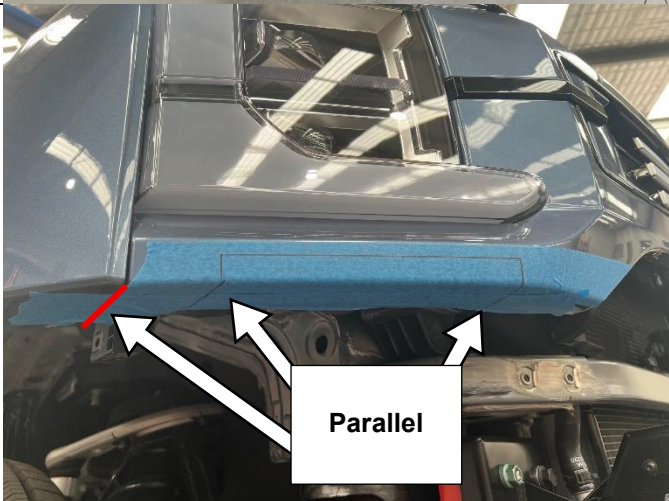
24. Remove side radar, parking sensor and fog light from OEM bumper. Take note of orientation for reinstallation in bull bar.



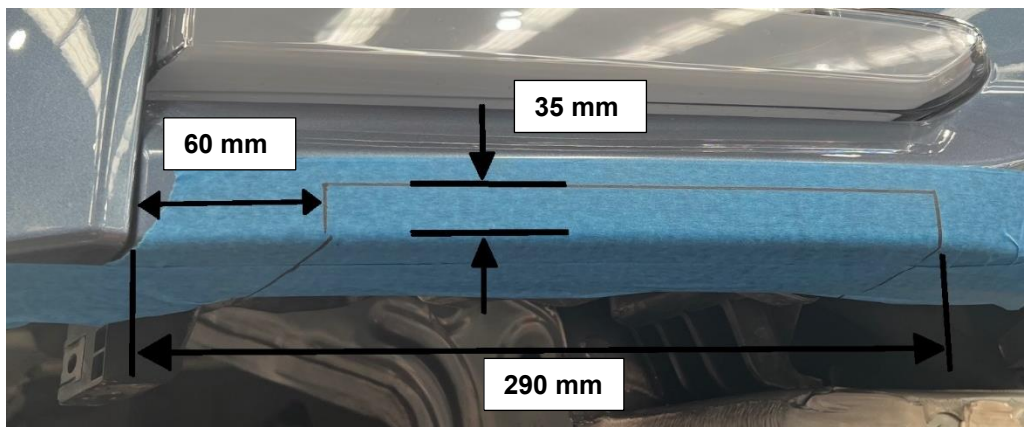
25. Remove screws retaining lower half of front bumper before unclipping and removing lower region highlighted below.



26. Reinstall top half of OEM bumper.



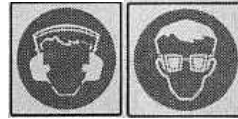
27. Use masking tape to cover bumper section below headlight.
28. Mark out cutout as shown below on each side of bumper.





29. Use oscillating multi-tool to cut along marked line.

RHS shown, repeat for other side.



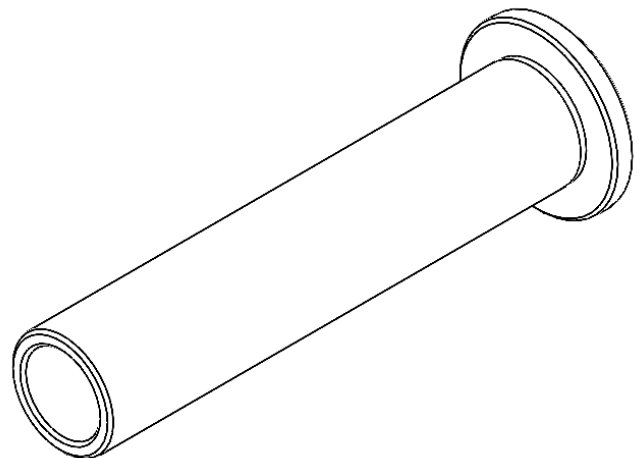
30. Use oscillating multi-tool to trim flare as shown. Clip flare back into position.

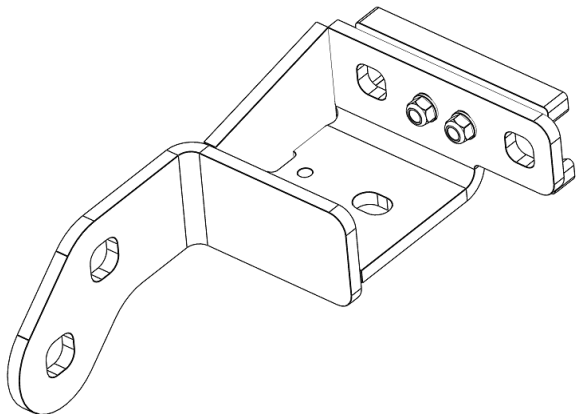
RHS shown, repeat for other side.



31. Identify and install four crush tubes through inner of chassis as shown (two per side).

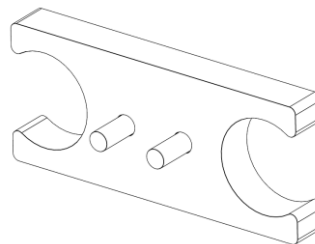
RHS shown, LHS opposite.





32. Preassemble recovery point reinforcement brackets using studded packer plate, two M6 nyloc nuts and two M6 washers.

RHS shown, repeat for other side.



33. Place preassembled reinforcement bracket in position shown.

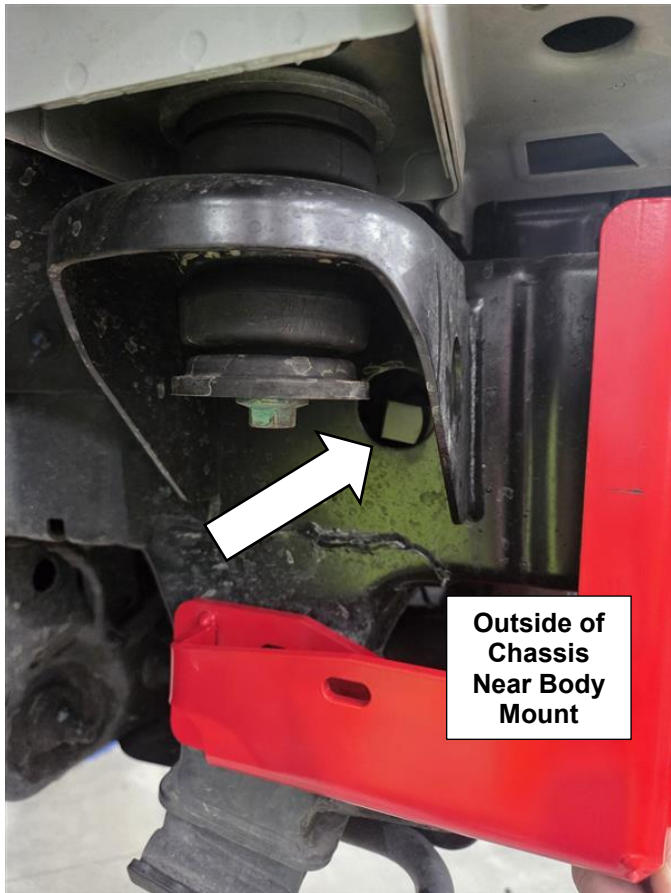
RHS shown, repeat for other side.



34. Place recovery point over chassis and crush tubes.

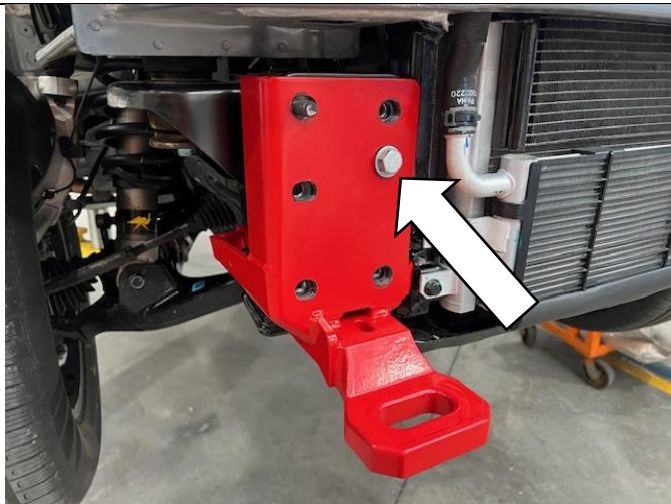
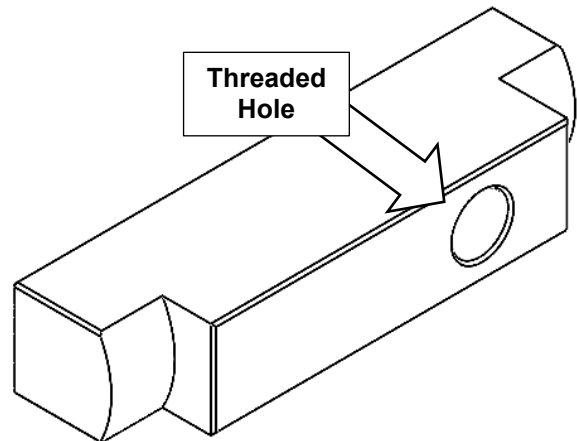
RHS shown, repeat for other side.

Note: OEM nuts removed in step 17 can be installed temporarily to hold recovery point in position.

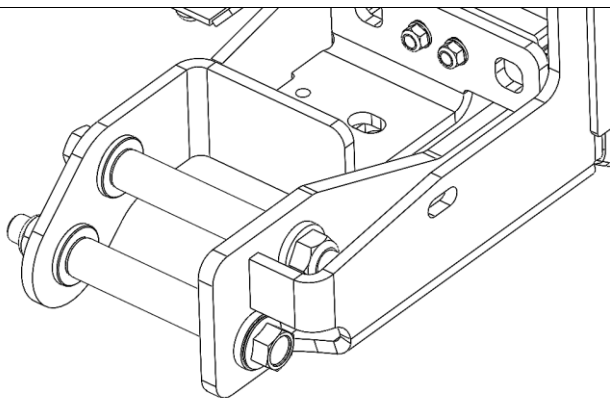


35. Identify and insert clevis nut through outside of chassis near the body mount. Threaded hole is toward the centre of the vehicle.

RHS shown, repeat for other side.



36. Fasten two M12x1.75X110 bolts and M12 hardened washers into clevis nuts installed in step 35. Leave finger tight.



37. Install two M12x1.25x130 bolts, two M12 hardened washers and two M12x1.25 flange nuts through crush tubes installed in step 31. Leave finger tight.

Note: Rear bolt is installed on the outer side of the chassis where the front bolt is installed on the inner side of the chassis, as shown.

RHS shown, repeat for other side. Chassis not shown.



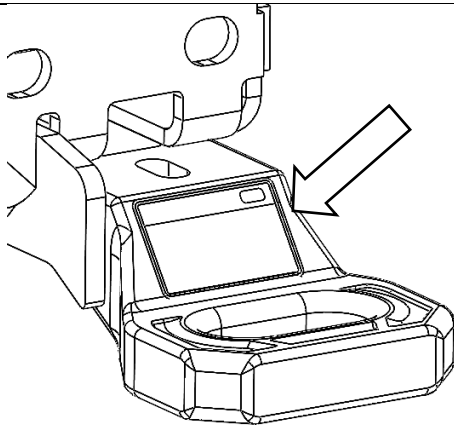
38. Tighten two M12x1.75X110 bolts installed in step 35 and four M12x1.25x130 bolts installed in step 37. Torque to spec.

Ensure recovery points sit flush against chassis.

RHS shown, repeat for other side.



M12 - 92 Nm.



39. Place recovery point warning label in a location that would be visible to the operator such as the location shown. Clean area prior to placing sticker.

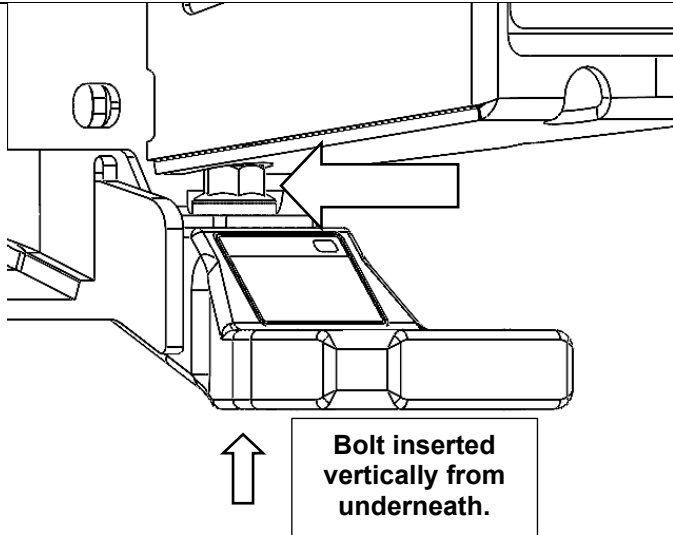


40. Install both bar mounts onto chassis. Loosely install OEM M12 nut to retain.

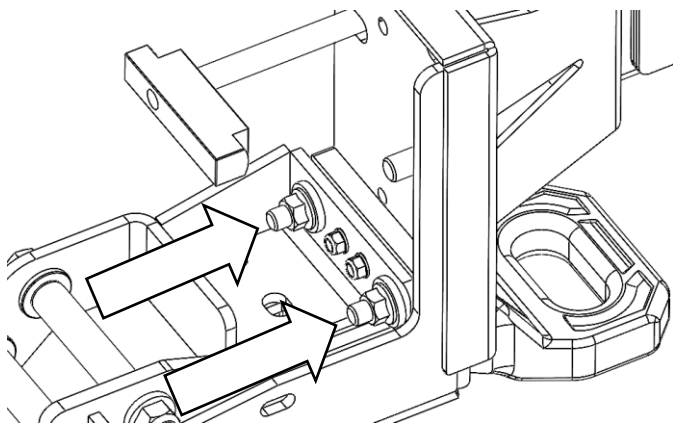
LHS shown, repeat for other side.



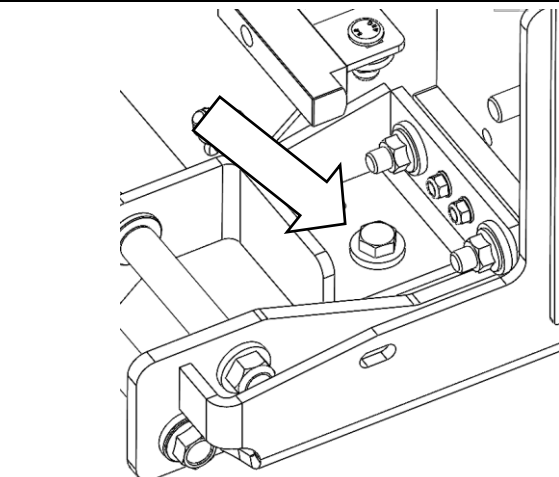
41. Loosely install two M12x1.25x40 flange bolts and four M12 hardened washers.



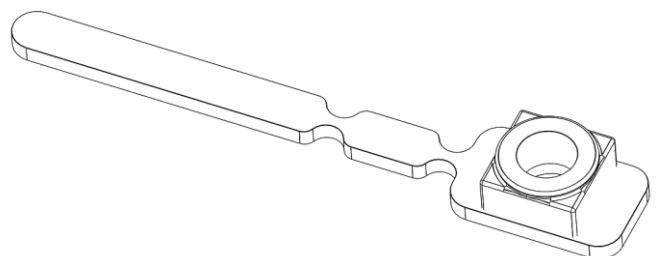
42. Install two M12x1.25x40 flange bolts, two M12 hardened washers and two M12x1.25 flange nuts.

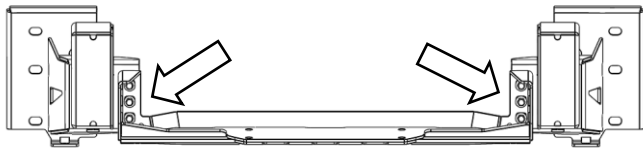


43. Loosely install two M10x1.25x60 bolts, two M10 washers and two M10 nuts, through the bull bar mount, recovery point, chassis and recovery point brace.



44. Loosely install M10 bolt and nut stick through the recovery point brace and recovery point.





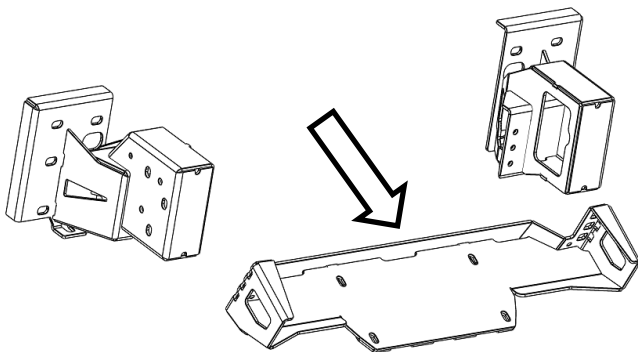
45. Temporarily fit winch cradle using six M8 flange bolts.



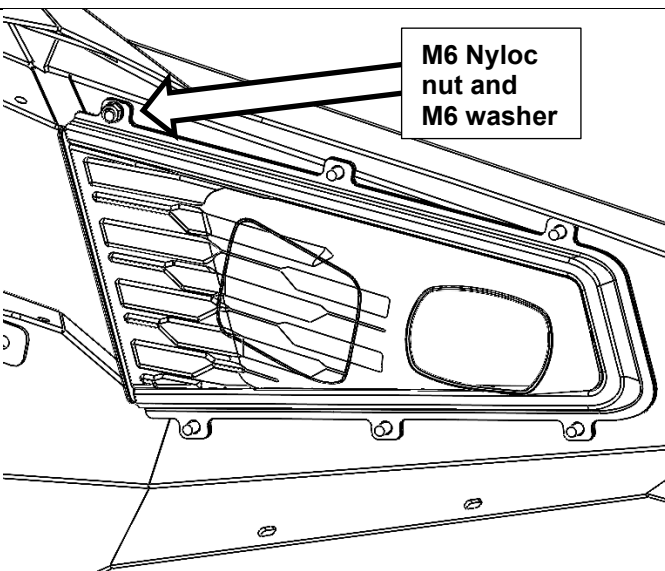
46. Torque all mount fasteners to spec.

 M10 - 44 Nm.

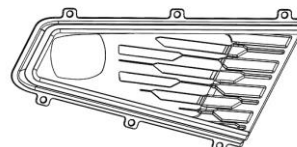
 M12 - 92 Nm.



47. Remove winch cradle.

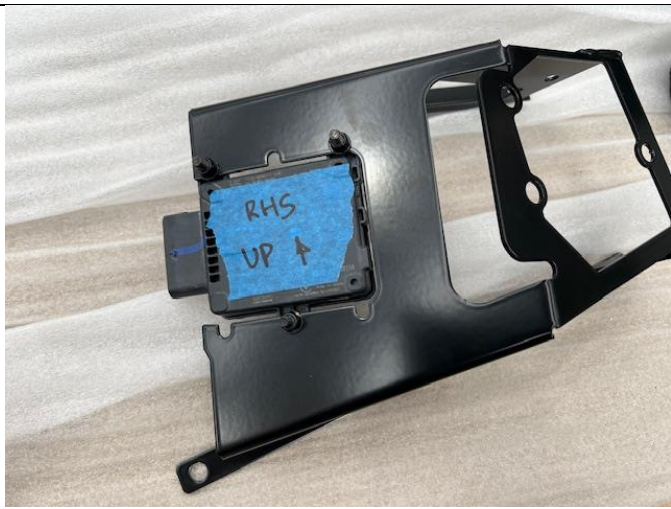


48. Identify and install fog light surround plastic into bar and secure with one M6 Nyloc nut and one M6 washer. Torque to spec.

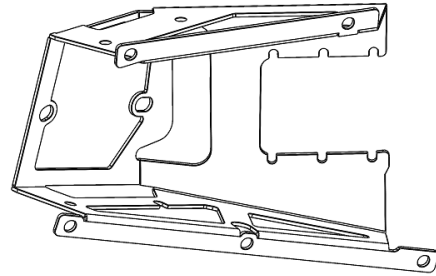


 M6 – 3 Nm.

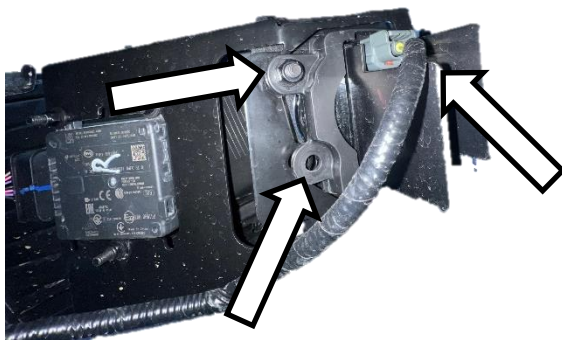
RHS shown, repeat for other side.



49. Identify radar bracket. Install radar into bracket as shown using three M5 button head screws, six M5 washers and three M5 Nyloc nuts per side.

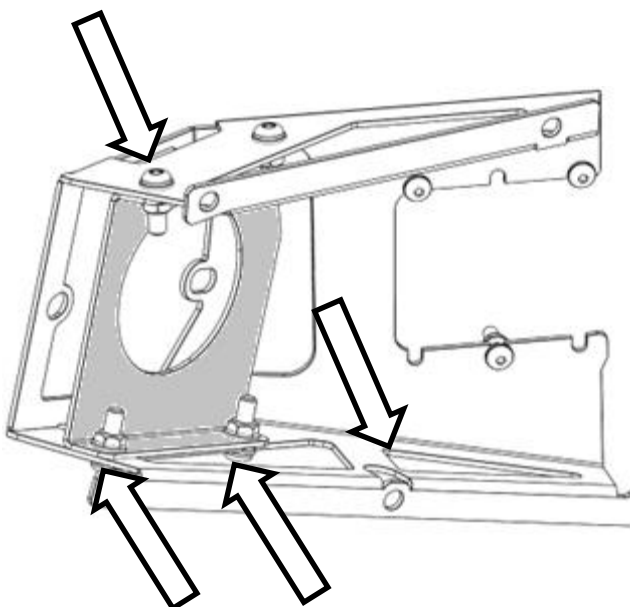


RHS shown, repeat for other side.



50. Install OEM fog light onto bracket using three M6x20 button head screws, six M6 washers and three M6 nyloc nuts. RHS shown, repeat for other side.

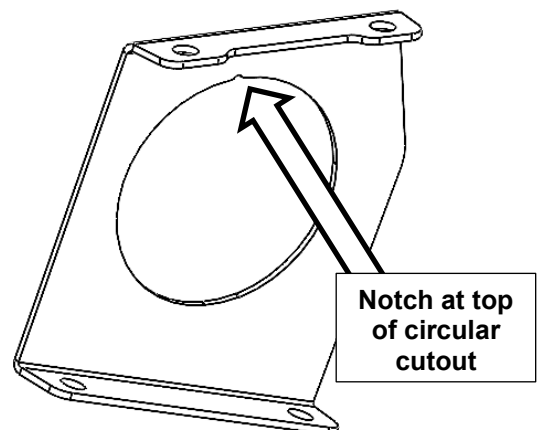
Note: Fog light installed on LHS of OEM bumper will be installed on RHS bracket on bull bar and vice versa.

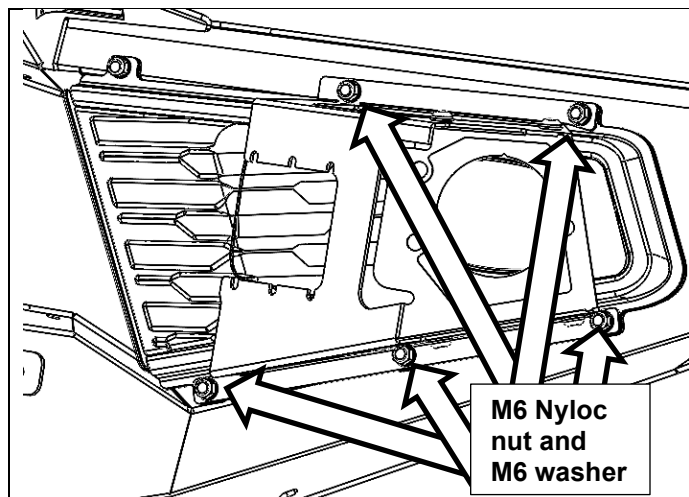


51. Identify and install fog light bezel as shown using four M6 button head screws, four M6 washers and four M6 flange nuts. Notch is aligned with the top of the circular cutout. Torque to spec.

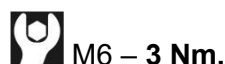
 M6 - 9 Nm.

Note: Fog light not shown.

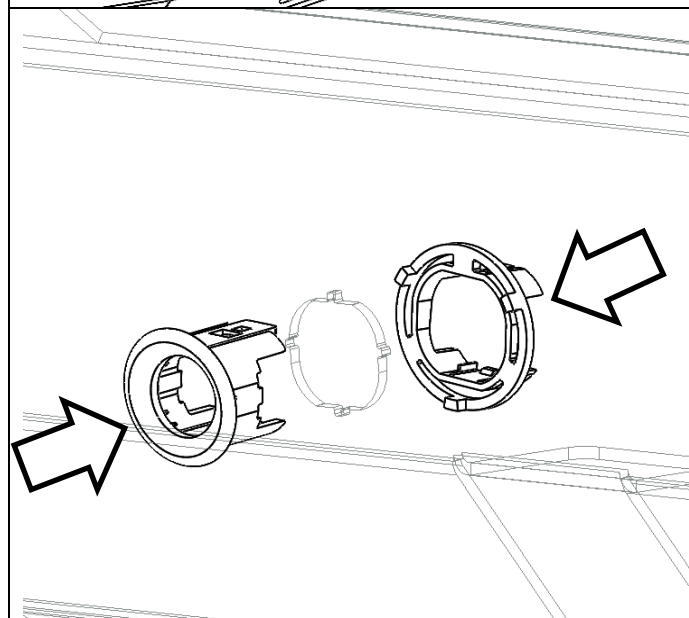




52. Install radar/fog light bracket assembly onto bar using five M6 Nyloc nuts and five M6 washers. Torque to spec.

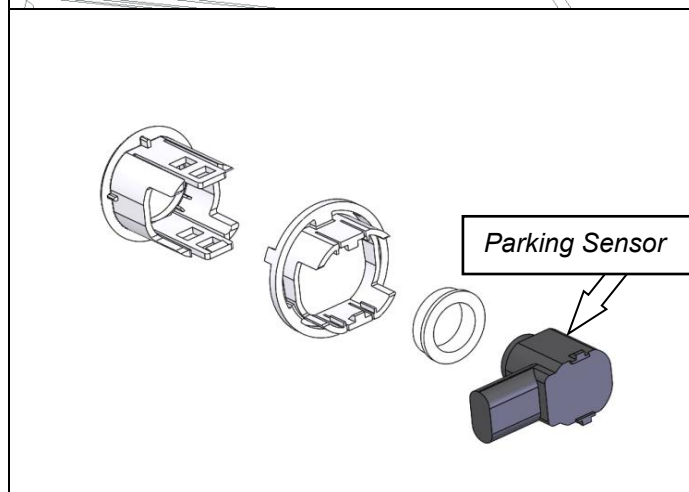
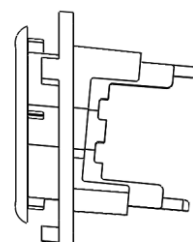


RHS shown, repeat for other side. Radar and fog light not shown for clarity.



53. Fit the parking sensor housings to the bull bar.

From the rear, clip the rear sensor housings onto the front housings. Check that both clips are engaged properly. If clips don't engage apply pressure on the outer ring of the rear housing.



54. Assemble parking sensors into housings installed in step 53.

Check that both clips are engaged properly and silicone decoupling ring is seated properly.

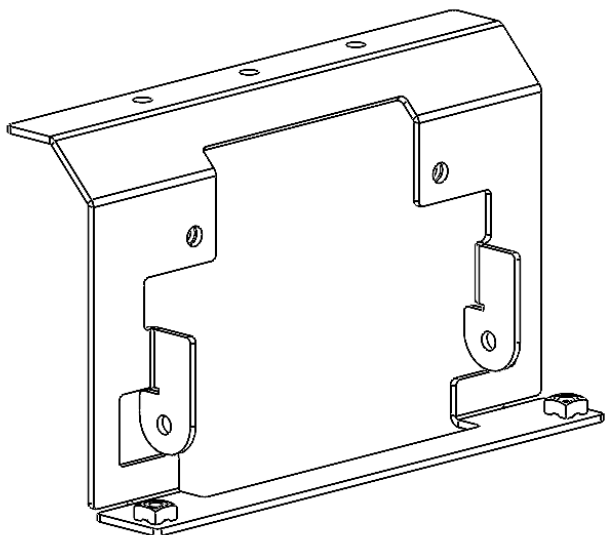
Tail/plug of sensor should point inwards, toward the centre of the vehicle.



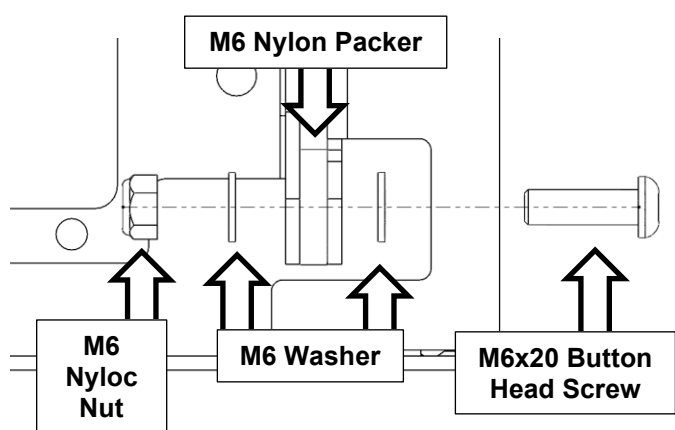
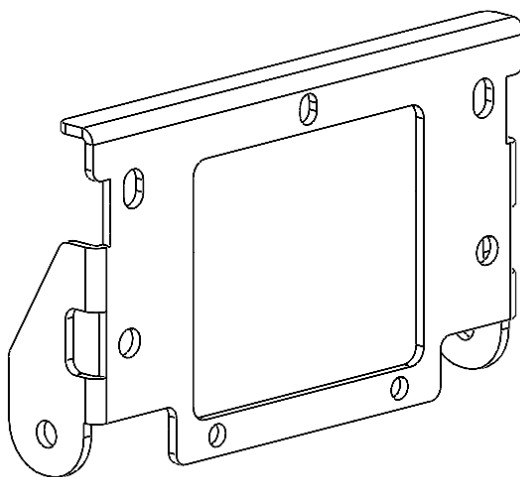
55. Identify and install provided sensor extension looms onto parking sensors.



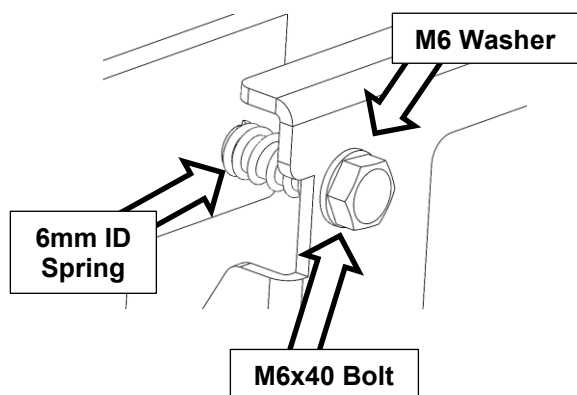
56. If installing driving lights, high beam trigger can be obtained from the red/white trace wire in left side headlight connector as shown.



57. Identify centre radar brackets as shown.

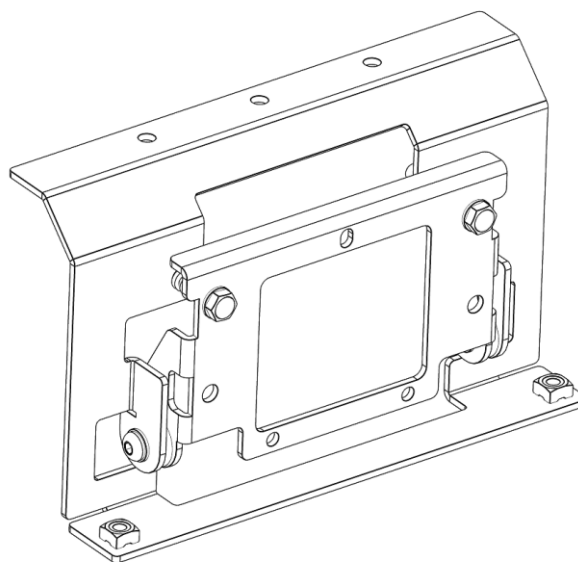


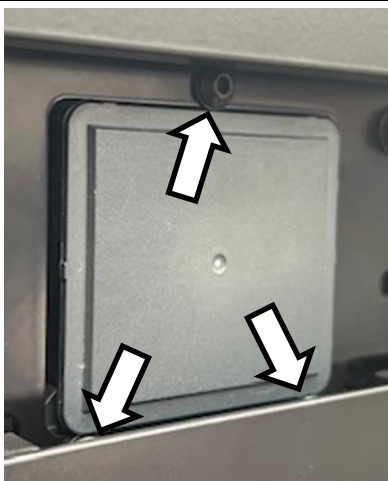
58. Assemble radar bracket using two M6x20 button head screws, four M6 washers, two M6 nyloc nuts and two M6 nylon packers.



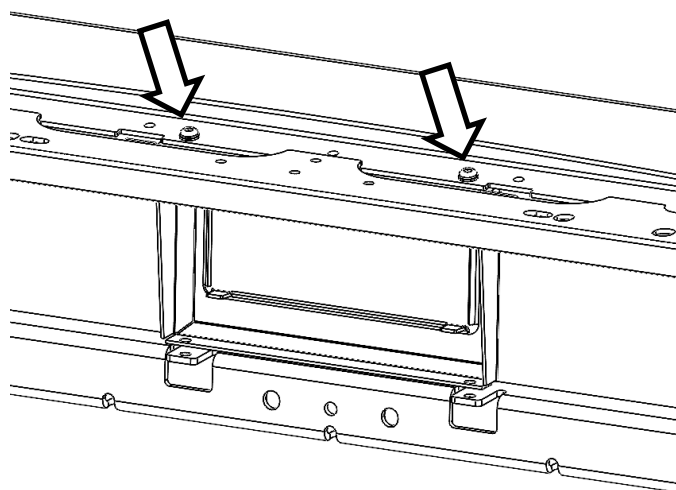
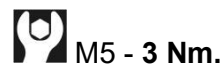
59. Install adjustment bolts consisting of two M6x40 bolts, two M6 washers and two 6mm ID springs as shown.

Radar bracket assembly:

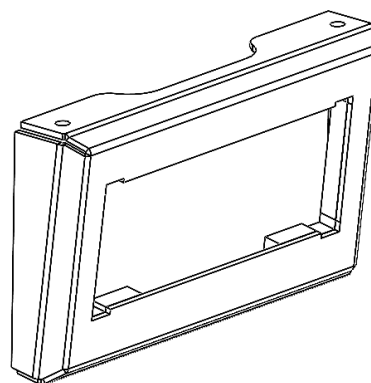




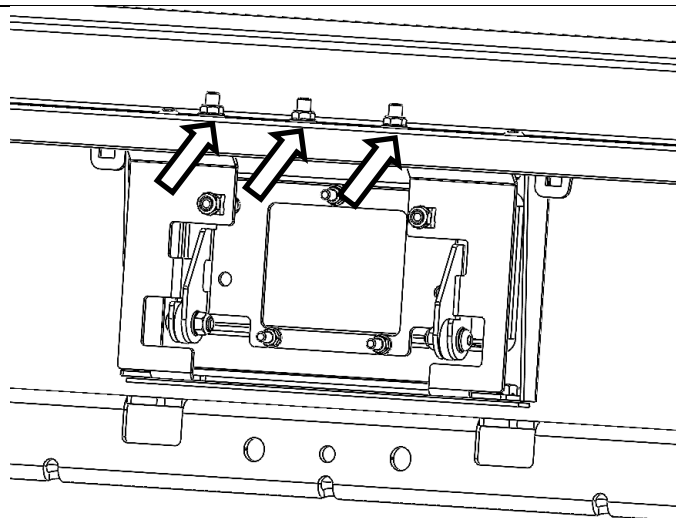
60. Install centre radar on bracket using three M5 button head screws, six M5 washers and three M5 nyloc nuts. Torque to spec.



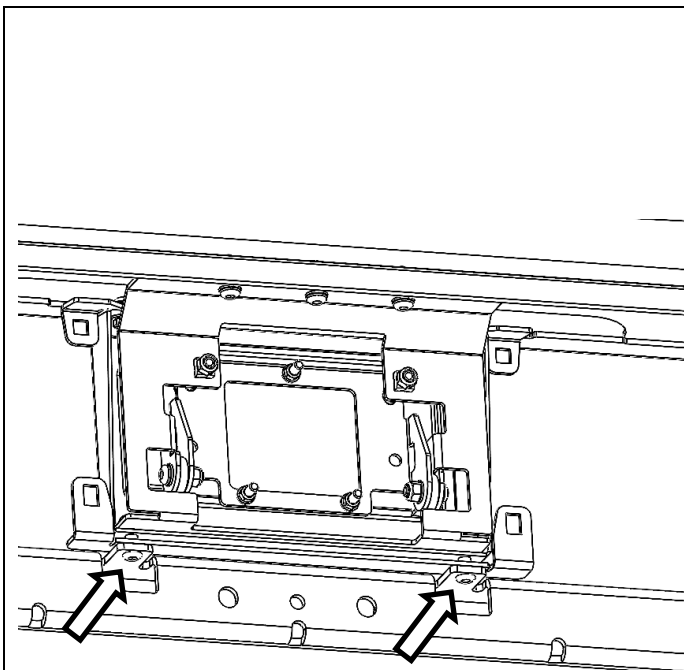
61. Identify and install radar shroud using two M6 flange bolts and two M6 flange nuts. Leave fasteners loose to be tightened later.



View from inside bar.

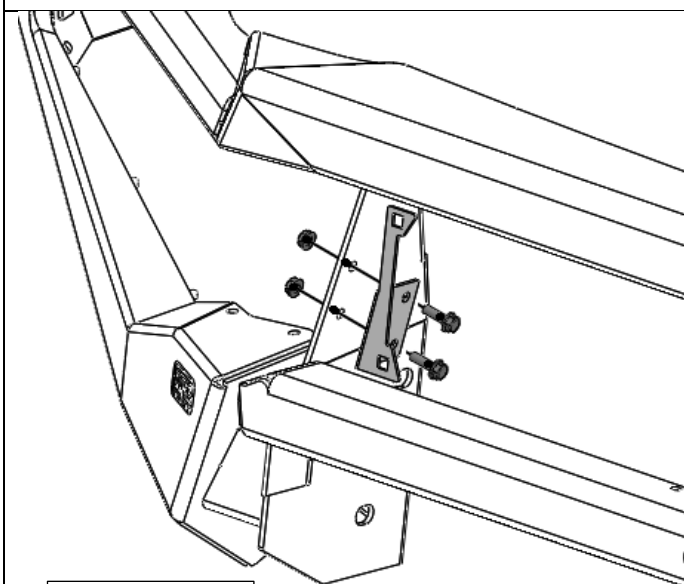
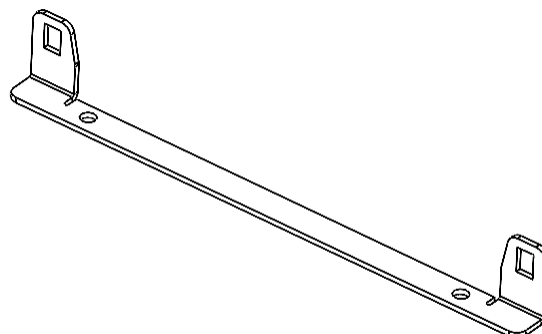
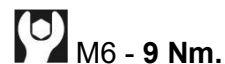


62. Install centre radar bracket using three M6 button head screws, three M6 washers and three M6 flange nuts. Leave fasteners loose.



63. Identify and insert grille bracket between radar shroud and bar crossmember. Secure with two M6 button head screws and two M6 washers.

Torque radar assembly fasteners, installed in steps 61 through 63 to spec.

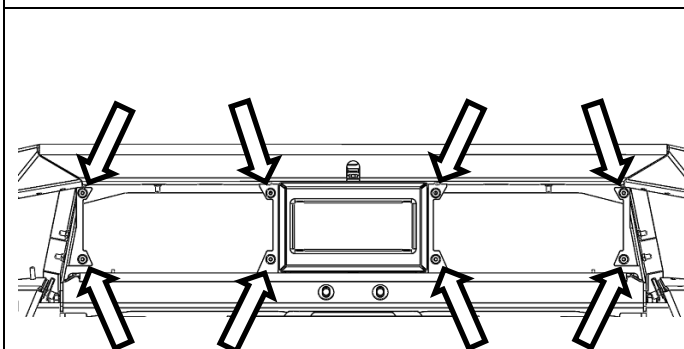
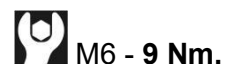


RHS SHOWN

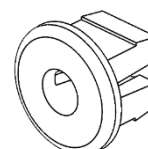
64. Identify and install outer grille brackets using two M6x20 button head screws, two M6 washers and two M6 flange nuts as shown. Torque to spec.

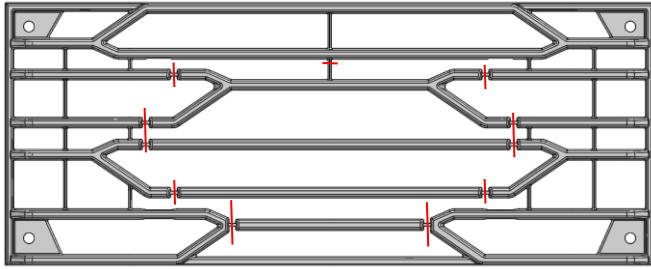


RHS shown, repeat for other side.



65. Insert eight nylon grommets into square holes of grille brackets installed in step 63 and 64.

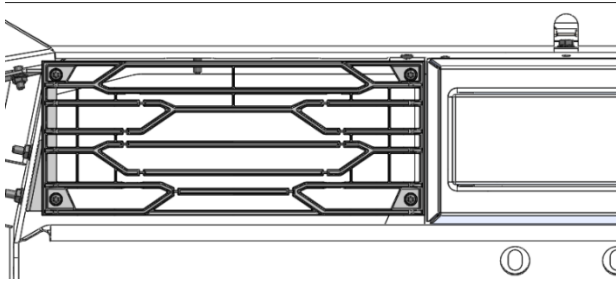




If not fitting a winch, skip to next step.

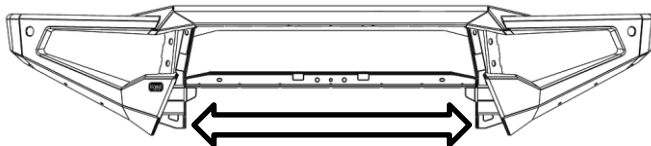
66. Identify if the winch control box/clutch lever needs access once bar is fitted.
67. Using an oscillating multi-tool, cut through the thin ribs in the grille to remove the centre section.

Use a file to clean up edges.



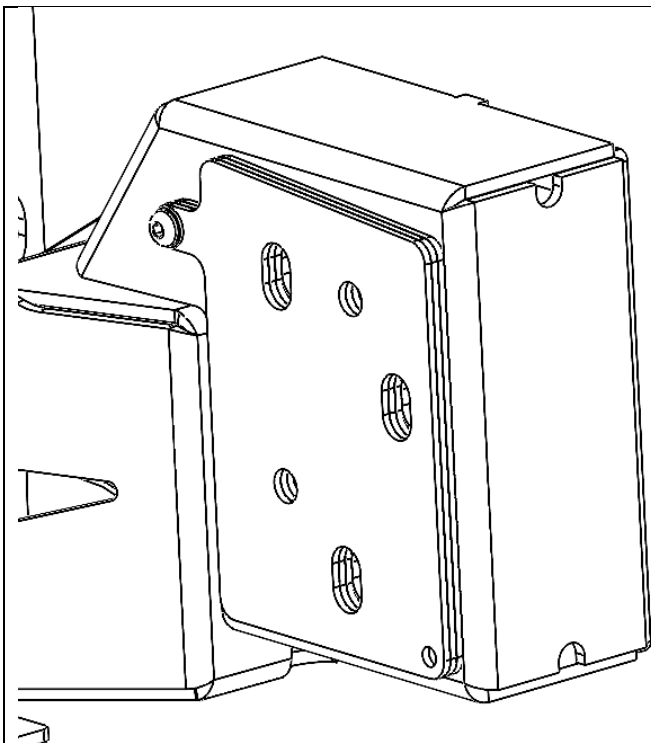
68. Install grilles into the bar using four Phillips head screws per grille into the grommets fitted in step 65.

RHS shown, repeat for LHS.



69. 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.

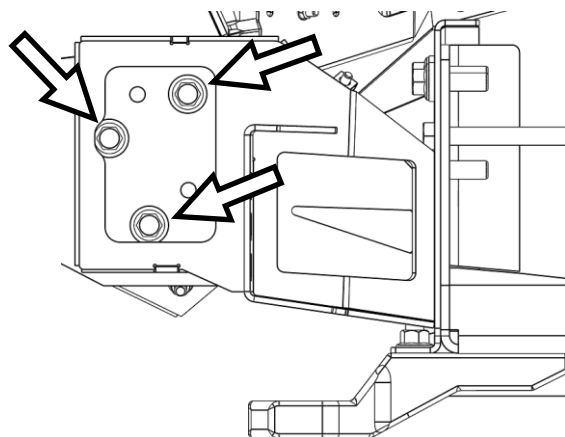




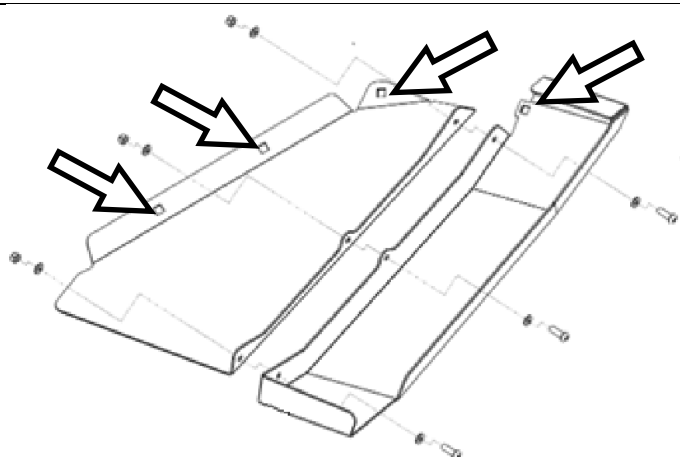
70. Select an appropriate number of 2.5mm shims to take up the difference in the two dimensions taken and preassemble onto bull bar mounts using an M6x20 button head screw and M6 washer.



71. Using a mechanical lifting aid, loosely assemble bull bar onto chassis mounts using three sets of M12x1.25x35 flange bolts and flange nuts per side.



If bull bar is not central to quarter panels, remove and adjust shims from one side to the other in order to adjust bull bar across the vehicle.



72. Assemble wing panels using three M6 button head screws, three M6 Nyloc nuts and six M6 washers. Install four M6 cage nuts in square holes on inside of panel.

RHS shown, repeat for other side.

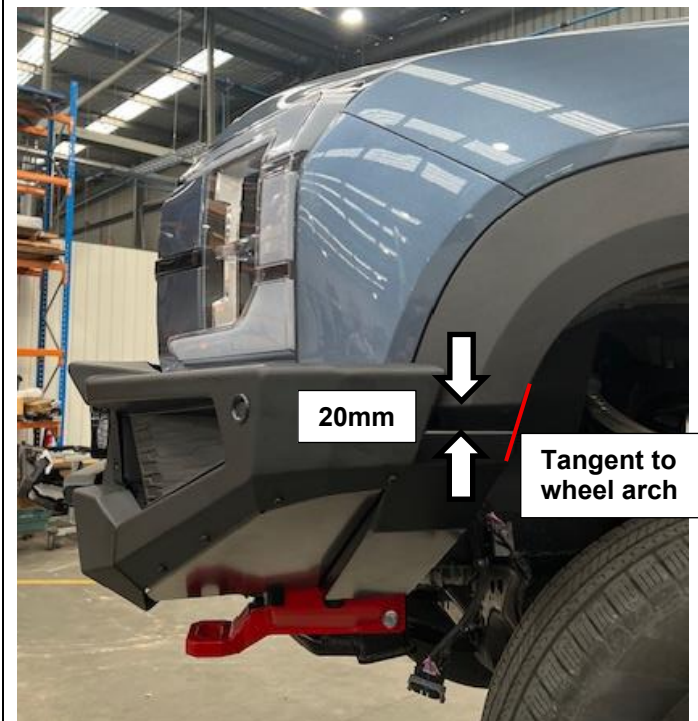


73. Temporarily install wing panels using four M6 button head screws and four M6 washers. Torque to spec.

RHS shown, repeat for other side.



M6 - 9 Nm.



74. Once shim position has been confirmed, adjust bull bar on mounting slots to achieve a parallel 20mm gap between wing panels and flare cut profile.

Wing panel should align to wheel arch tangent.

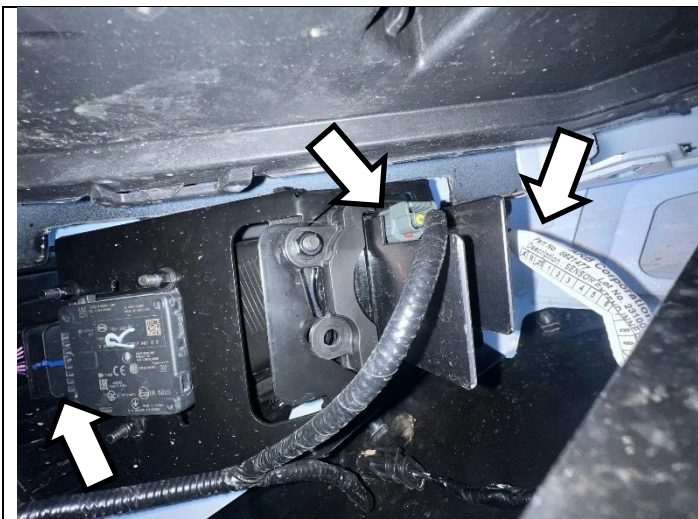
Torque M12 mounting bolts to specification.



M12 - 77 Nm.

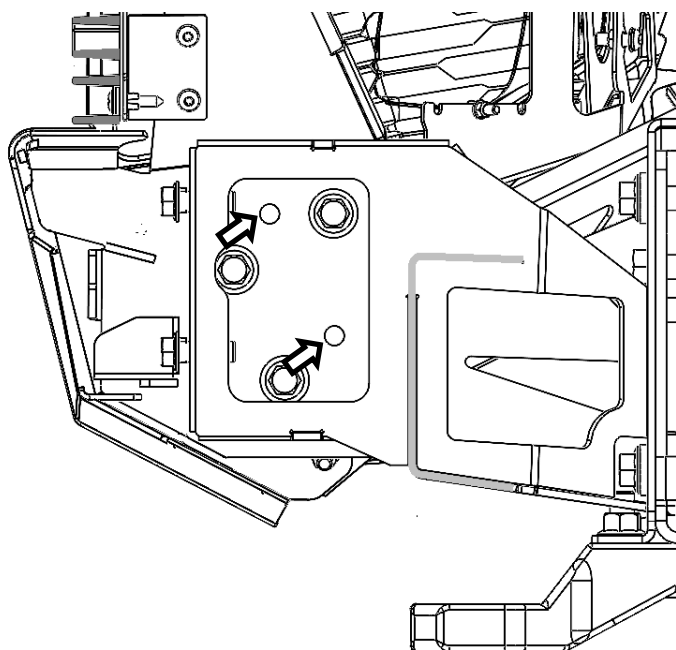


75. Remove under panels and set aside for fitment later.



76. Connect parking sensors, fog lights and radars to vehicle loom.

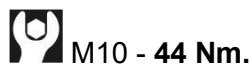
RHS SHOWN



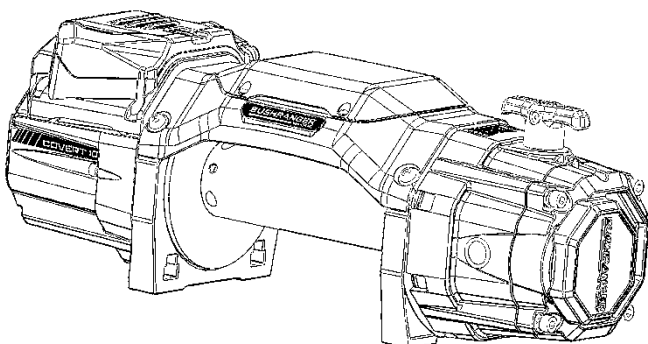
77. Drill 4 x Ø10mm holes (2 per side) through mount assembly using existing holes in mount as a guide. This may require a right-angled drill.



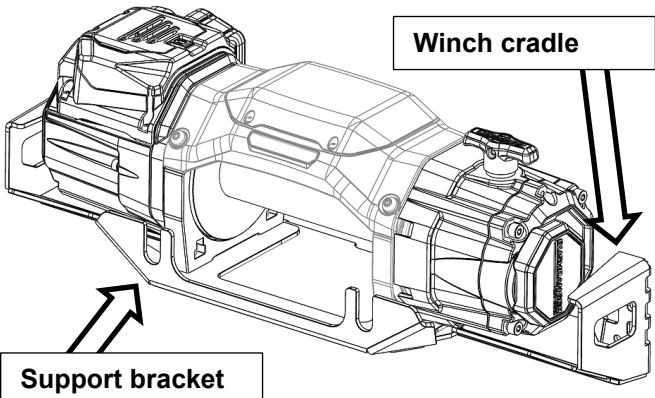
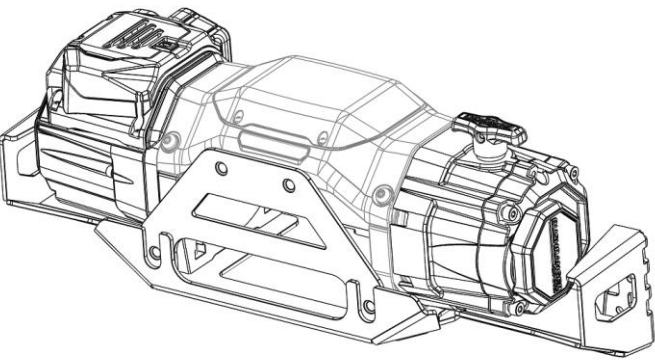
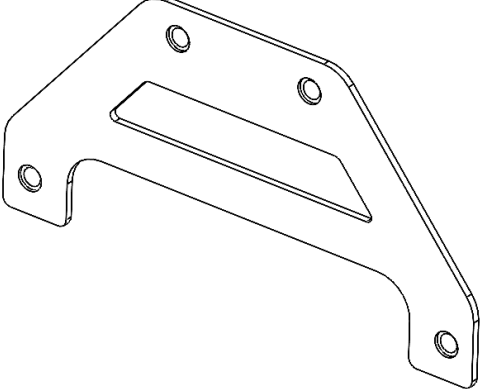
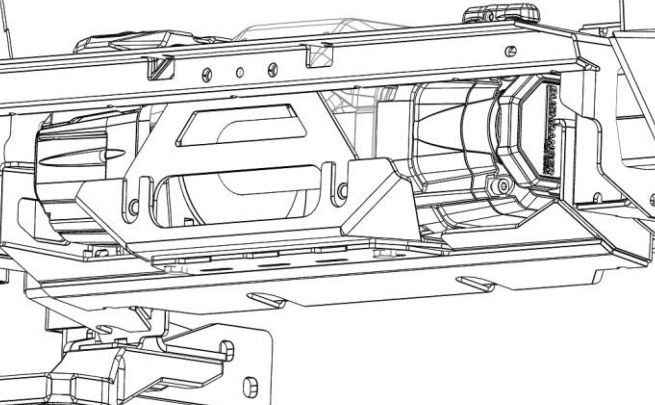
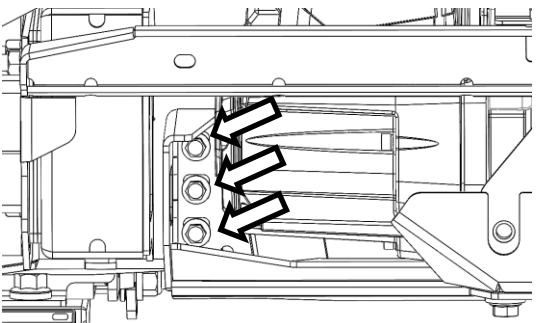
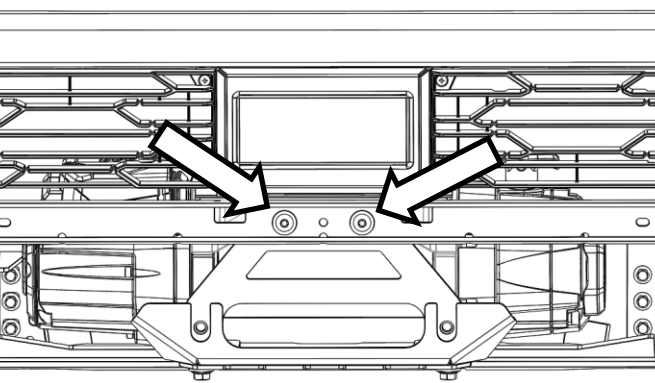
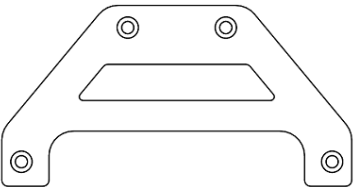
78. Add anti-corrosion touch up paint to areas drilled, then assemble and tension four M10x1.5x35 flange bolts and flange nuts to specification.



Following steps detail winch fitment. Auxiliary battery kit 4355010 recommended.

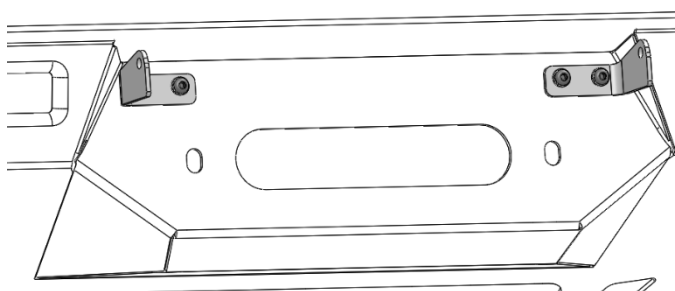
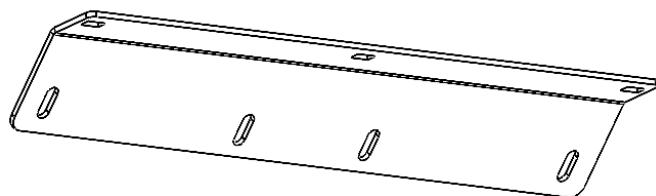


79. Winch is fitted in a foot down formation. If the clutch needs to be rotated to be at the top of the winch when fitted, please refer to winch instructions on how to clock the clutch.

	80. Install winch onto winch cradle and support bracket using fasteners supplied with winch. Leave finger tight When winch is not fitted, loosely assemble support bracket to winch cradle using supplied M10 flange bolts and M10 flange nuts.
	81. Identify and place bridging plate in position on winch cradle as it can be difficult to slide into position with the cradle installed with a winch. 
	82. Tilt and lift the cradle assembly into the bar. Retain with 6 M8 flange head bolts installed into captive fasteners on bulbar mounts. 
	83. Fasten bridging plate between winch cradle and bar using two M10 button head screws and washers. Ensure that the lower two captive nuts align with the slots in the cradle. Torque to specification.  M10 - 44 Nm. 



84. Identify and loosely install bash plate support bracket onto chassis using four M8 flange bolts and four M8 flange nuts.

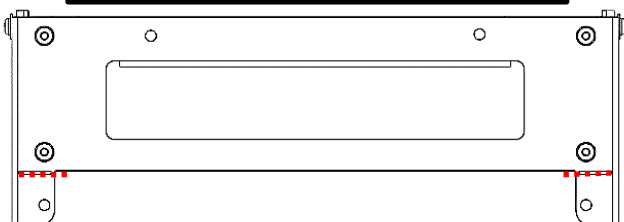


85. Install the left and right number plate mount brackets onto the front of the bash plate as shown using two M6x20 button head screws, washers and flange nuts per side.

Torque to specification:



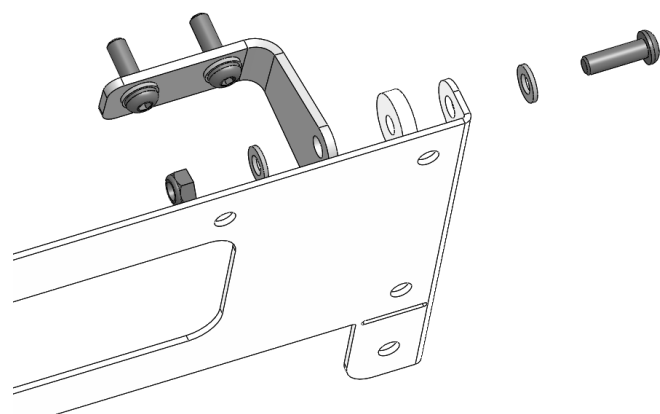
NOTE: TRIM HERE, BOTH SIDES; IF FITTING A SLIMLINE NUMBER PLATE



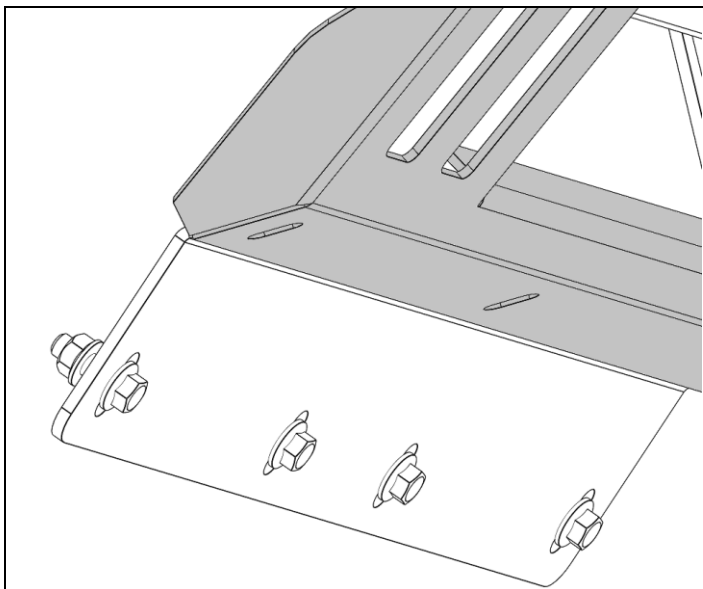
86. Identify the number plate bracket and vehicle number plate. If fitting a slim line / "Euro" style number plate, trim on both sides at the dotted lines shown in the image above. Remove all burs and sharp edges using a file, then apply black touch up paint to the cut areas and allow to dry.



Warning: Cutting operations can result in flying debris, safety glasses should be worn.

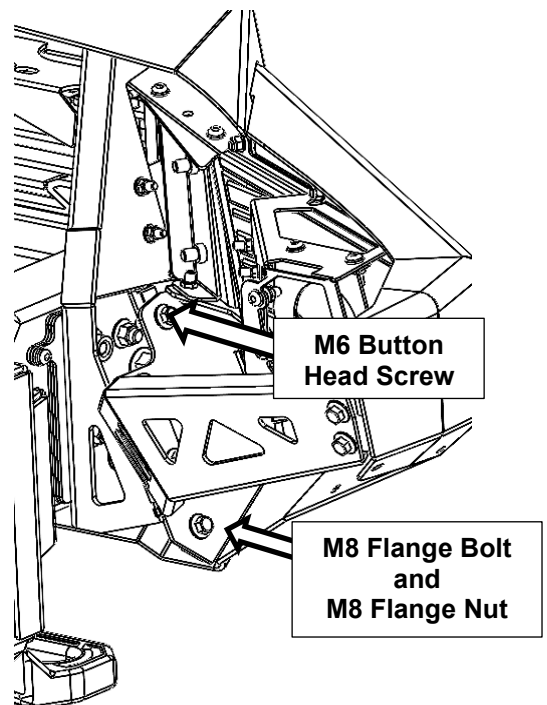
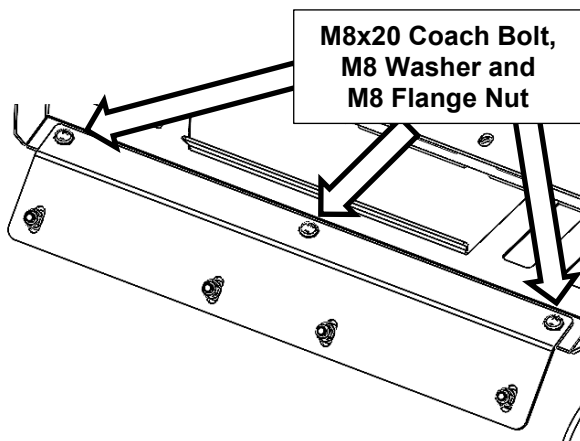
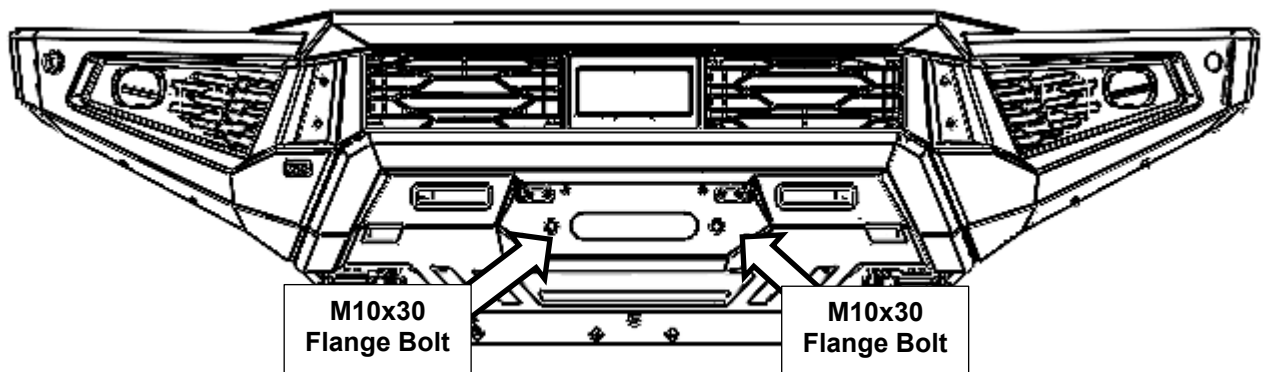


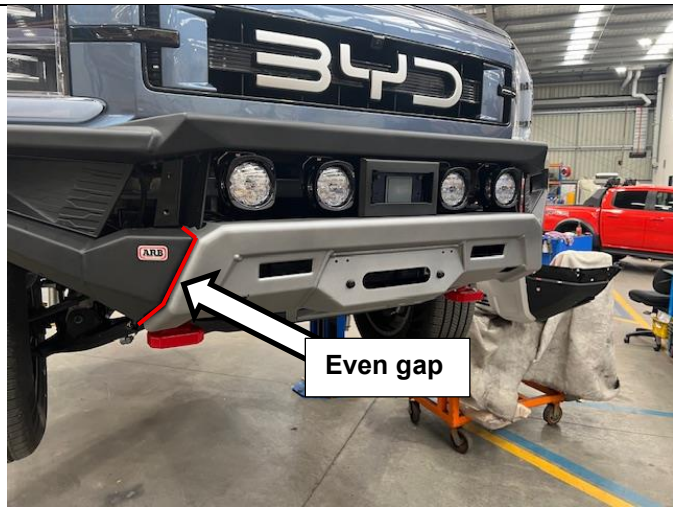
87. Install the number plate bracket using M6x20 button head screws, nyloc nuts and 12mm washers. Insert a 5mm nylon packer between number plate bracket and mount brackets as shown.



88. Slide bash plate into position. Bash plate support bracket sits **above** back edge of bash plate.

89. Loosely install all bash plate fasteners. These include four M8x20 flange head bolts and five M8 flange nuts per side two M10 bolts through to the winch cradle, three M8 coach bolts and three M8 washers.





90. Move bash plate to achieve an even gap with the bar before torquing bolts to spec.



M6 - 9 Nm.



M8 - 22 Nm.



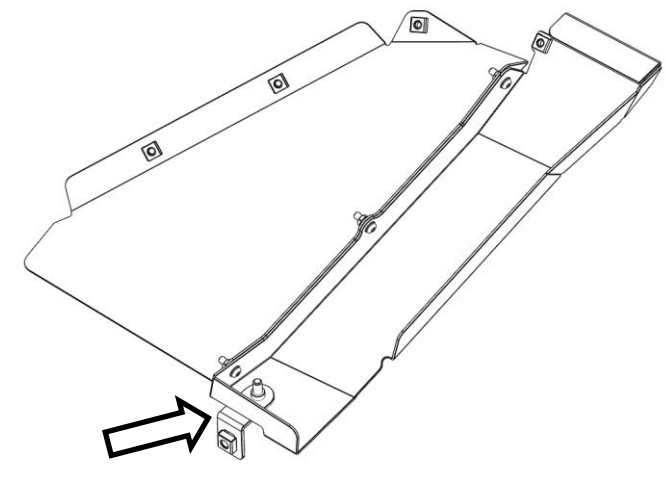
M10 - 44 Nm



91. Re-fit wing under panels inside lower return of wings.

Using the lower edge of the panel, mark a cutting line onto the plastic wheel arch liner.

Remove panel and cut along marked line with oscillating multitool.



92. Loosely assemble wing panel support bracket with wing panel using one M8 flange bolt and one M8 cage nut.

RHS shown, repeat for other side.

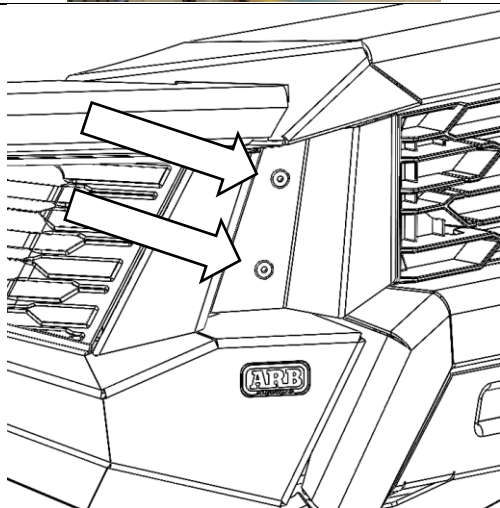


93. Re-install wing panel with four M6 button head screws, four M6 washers and one M8x25 flange bolt. Torque to spec. Tuck wheel arch liner behind wing panel.

RHS shown, repeat for other side.

 M6 - 9 Nm.

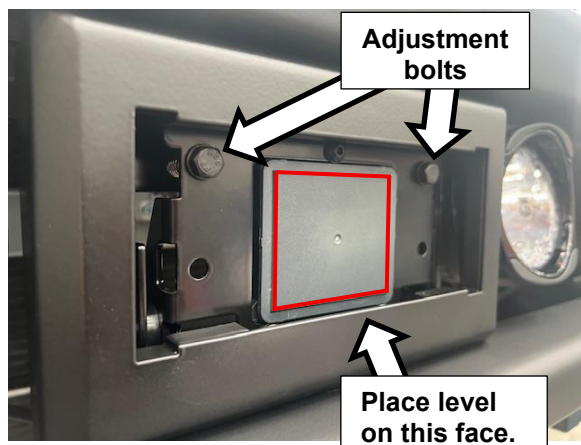
 M8 - 22 Nm.



94. Fit vanity panels using two M8 pan head screws per side.

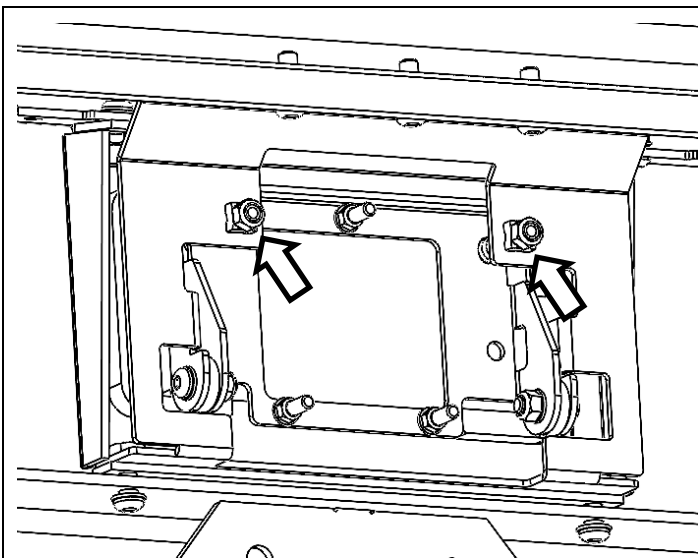
 M8 - 9 Nm.

RHS shown, repeat for other side.



IMPORTANT: Front face of radar should be perpendicular to ground, with the vehicle under its own weight. If not, adjust accordingly.

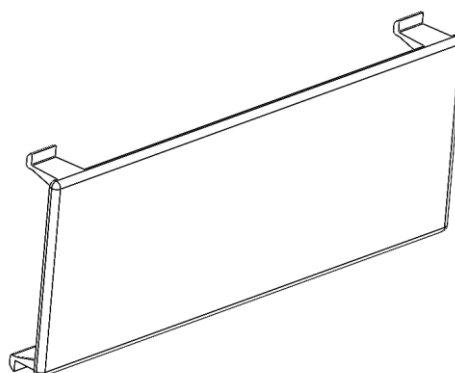
95. Place a level on the front face of the sensor. The front face should be 90° degrees to level ground with a tolerance of $\pm 1^\circ$. If it is not within this tolerance, adjust radar angle with M6 bolts.



96. Install two M6 nyloc locking nuts to secure the radar position.



97. Identify and clip radar cover into shroud from the front as shown.



98. Reconnect negative terminal to 12V battery under rear seat.

FITTED PRODUCT

NOTICE: ONCE ZENITH 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 turn signal lamps, sensors, headlamp washers etc. are functioning correctly.
- ◆ If fitted, test operation of parking sensors after fitment.

