



FITTING INSTRUCTIONS

Part Number:	3421950 - ZENITH WINCH BAR 6178715 - BASH PLATE SUIT 3421950/930 6178716 - BOX KIT SUIT 3421950
Suited to vehicle/s:	TOYOTA LANDCRUISER 250 MY24
Optional Fitting Kits:	W89965 WARN ZEON EXTENDED CABLE KIT 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

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	Torque Nm	Torque lbft
M6	9Nm	7lbft
M8	22Nm	16lbft
M10 (PC8.8)	44Nm	32lbft
M10 (PC11.9)	54Nm	40lbft
M12 (PC8.8)	77Nm	57lbft
M12 (PC10.9)	92Nm	68lbft
M12 (PC11.9)	102Nm	75lbft

PARTS LISTING			
APPLICATION.	PART NO.	QTY	DESCRIPTION
BAR FITMENT	3421900	1	ZENITH WINCH BAR
	3197138	10	ZEN MOUNT SHIM
	6151443	4	SCREW BHD M6x20
	6151965	4	BOLT HXHD FL M10X1.5X30
	4584412	4	WASHER FLAT M12X24X2.5
	4581040	4	WASHER FLAT M10x25x3 TZP480
	6151752	4	NUT FLANGE M10X1.5
	6152023	4	NUT: FLANGE M12X1.25
	6151817	4	BOLT HXHD FL M12x1.25x40
	4584329	4	WASHER FLAT M6X12.2X1.2
BULL BAR MOUNTS	4655694	1	ZEN MNT WELD ASSY
	37500336R/L	1R/1L	BRKT INNER CHAS SUIT J250 RH/LH
	37500337R/L	1R/1L	BRKT OUTER CHAS SUIT J250 RH
	6151817	12	BOLT HXHD FL M12x1.25x40
	6152023	10	NUT: FLANGE M12X1.25
	4584412	16	WASHER FLAT M12X24X2.5
	6152092	2	BOLT HXHD M12X1.75X110
	6151528	2	NUT HEX NYLOC M12X1.75
	4617103	2	CHASSIS CRUSH TUBE
RECOVERY POINTS	4655695R/L	1R/1L	ZEN REC POINT FORGED RHS/LHS
BASH PLATE FITMENT	4655725	1	BASH PLATE SUIT PRADO ZENITH
	6151730	2	BOLT HXHD FL M8x1.25x20
	6151548	2	NUT FLANGE M8X1.25
	6151965	6	BOLT HXHD FL M10X1.5X30
	6151752	4	NUT FLANGE M10X1.5
	4584400	6	WASHER FLAT M10x30x4 HV300 ZNB480
	37501167	1	ZEN CNTRL BOX BRKT SUIT TACOMA
WING BRACES	4681914R/L	1R/1L	WING BRACE RHS/LHS PRADO ZENITH
	6151730	8	BOLT HXHD FL M8x1.25x20
	6151548	8	NUT FLANGE M8X1.25
NUMBER PLATE BRACKETRY	3755085	1	LICENCE PLATE BRACKET
	37500881	1	BRKT NUM PLATE UPPER PRADO
	5848302	2	PACKER RBAR NYLON
	6151443	2	SCREW BHD M6x20
	6151459	4	SCREW BHD M6x16
	6151223	6	NUT HEX NYLOC M6X1.0
	4584329	14	WASHER FLAT M6X12.2X1.2
FOG LIGHT BRACKETRY	6151173	8	NUT FLANGE M6
	4584329	8	WASHER FLAT M6X12.2X1.2
	6151459	8	SCREW BHD M6x16

UNDERPANELS & COVER PANELS	37500568R/L	1R/1L	COVER BRKT RHS/LHS PRADO ZENITH
	6523724R/L	1R/1L	UNDERPANEL RHS/LHS PRADO FRONT
	6523725R/L	1R/1L	UNDERPANEL RHS/LHS PRADO REAR
	37500572R/L	1R/1L	UNDER PANEL RETAINER BRKT RHS/LHS
	6151730	8	BOLT HXHD FL M8x1.25x20
	6151548	8	NUT FLANGE M8X1.25
	6523735	1	CENTRE PANEL PRADO ZENITH
	6151295	3	SCREW BHD M8x20
	6151301	3	NUT CAGED M8 3.3-4.7
	6151459	11	SCREW BHD M6x16
	4584329	27	WASHER FLAT M6X12.2X1.2
	6151223	6	NUT HEX NYLOC M6X1.0
	6151443	10	SCREW BHD M6x20
	6151475	10	NUT U M6X1.0
	4581081	3	WASHER FLAT M8x17x2 SS
RADAR & CAMERA BRACKETRY	3163091	1	PLUG BLANKING BLK 17.4MM
	3163221	1	COVER RADAR GRILLE CENTRE MNT
	37500327	1	RADAR BRKT UPPER SUIT J250
	37500328	1	RADAR BRKT LOWER SUIT J250
	37500540	1	BRKT CAMERA PRADO ZEN LOWER
	6151173	2	NUT FLANGE M6
	5670069	2	SPRING COMP STAINLESS 25X6.0ID
	6151584	2	BOLT HXHD M6x1.0x40
	6151459	4	SCREW BHD M6x16
	4584329	6	WASHER FLAT M6X12.2X1.2
	6151223	2	NUT HEX NYLOC M6X1.0
	4584421	2	WASHER FLAT M6X18X1.6 NYLON
MISCELLANEOUS	3163222	2	PLUG SNSR BLANKING PAIR
	3525010	1	SENSOR SURROUND KIT (X4)
	6821451	4	HARNESS EXTENSION SUITS TOYOTA
	180302	8	CABLE TIE 4.8 X 180 MM
	37500882R/L	1R/1L	GRILLE RET BRKT RHS/LHS
	37500426	1	ZEN CNTRL BOX BRKT

FITTING PROCEDURE

Note: Read the instructions thoroughly before starting.



1. Disconnect battery. Ensure vehicle is not started until all electrical components are reconnected.

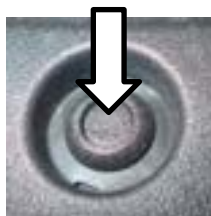


2. Remove number plate from bumper.



3. Open the bonnet and remove all scrivenets retaining the plastic cover shown in the image to the left. Set aside scrivenets for refitment.

TIP: Depress centre to remove.





4. Remove upper grille retaining screws and Set aside for re-fitment later.



5. Remove all fasteners and scrivenets retaining bumper & mudguard along inside edge of wheel arches – (Right hand side shown).

Set aside for re-fitment later.



6. Remove fasteners on front side of mudguard, remove mudguard. Discard.



7. Remove lower bumper trim panel by removing two screws and one scrivet.
8. Ensure inner guards are unclipped from front bumper.



9. Remove two M6 fasteners and one screw from each side, underneath the bumper.



10. Remove tow hooks on the side the recovery point is to be fitted. Retain fasteners for refitment.



11. Carefully peel back flare to access and remove the screws retaining the outer bumper sections.



12. On the LHS of the vehicle, pull back wheel arch and unplug camera loom if fitted.



13. On the RHS of the vehicle, pull back wheel arch and unplug harness if fitted.



14. Remove bumper and grille completely and place face down on a blanket. Take care not to scratch the front faces.



15. Wheel arch flares will be required to be cut inline with the fender body line as shown.
- Using a file, clean fender edge after cut has been completed before proceeding.



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

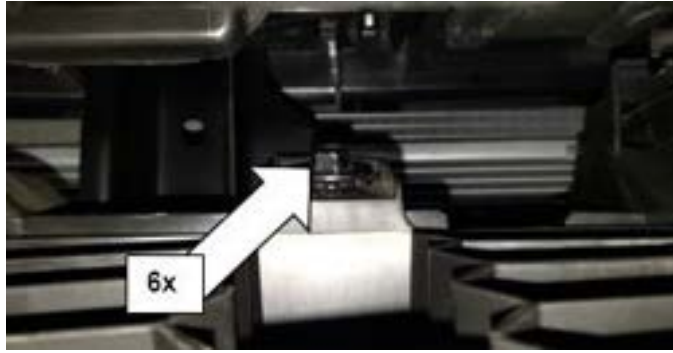


16. Remove plastic air deflectors. Discard.



17. Remove the scrivet attaching the air deflector to the absorber, repeat for LHS.





18. Remove honeycomb bumper support by removing M6 hardware. Discard.



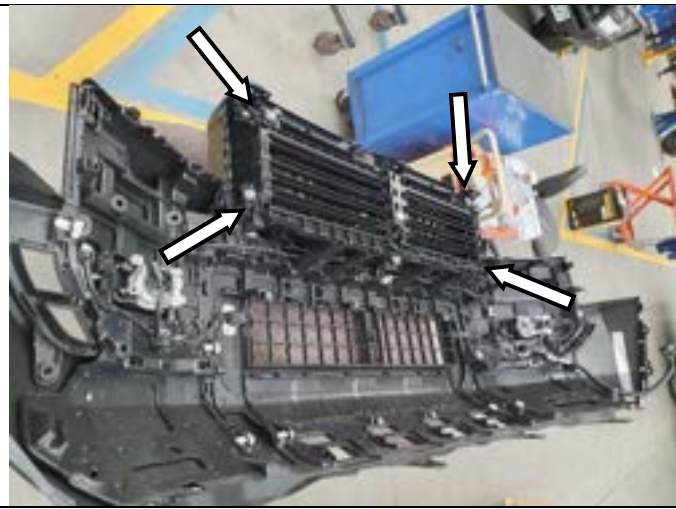
19. Remove side air deflectors and bumper retainers



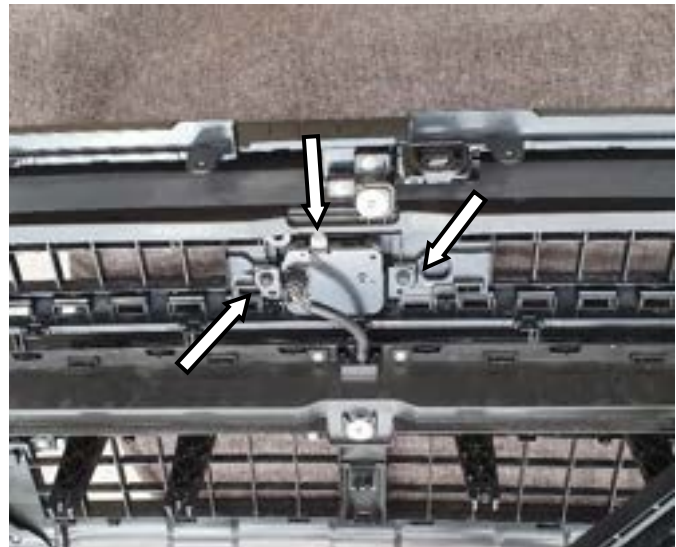
20. Remove four M12 bolts on both sides (eight total) fixing crash beam to chassis and remove crash beam.

Discard crash beam.





21. Remove active grille shutter assembly by removing four screws. Set aside for re-assembly.

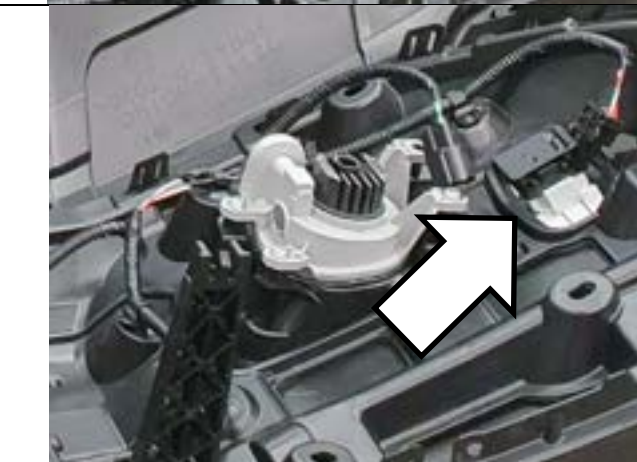


22. If equipped, remove the radar by removing the three bolts shown in the image on the left and set aside for re-fitment.

Warning: Care must be taken not to drop radar module.



23. Unplug and remove fog lights from bumper. Set aside for re-fitment.



24. Unplug the four parking sensors.

25. Remove the parking sensors from the housings and set aside for fitment into the bull bar. Using a felt pen mark the sensor positions (LH/RH inner, LH/RH outer). Also take note of sensor orientation.



26. Remove shroud from bumper.
Discard.
27. Carefully remove the vehicle loom from the front bumper and set aside.



28. Remove grille from bumper by unclipping the plastic retainers and set aside.
Discard bumper.

29. Mark and cut lower supporting material from grille as shown.



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

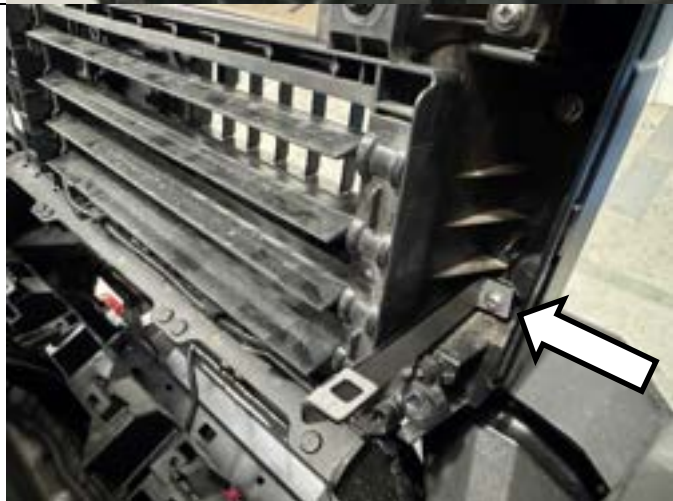
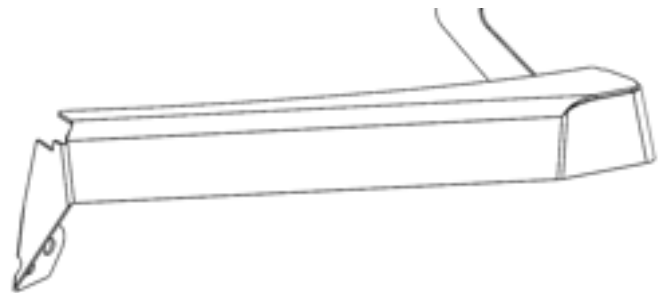




30. Install cover panels underneath headlights using two M8 screws and flange nuts.



M8 - 22 Nm / 16.2 lbft



31. Refit active grill shutter (AGS) assembly onto the grille.
32. Remove screw and install grille retainer brackets to the LH and RH side of the grille as shown.

IF FITTING WARN VR EVO COMPLETE STEPS 61-64 BEFORE PROCEEDING.

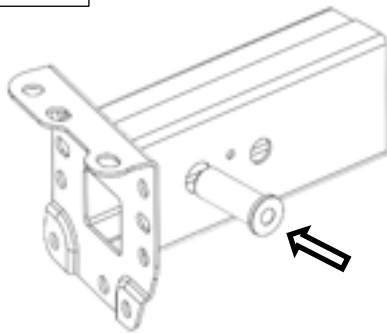


33. On each side of the vehicle, remove screw mounting the headlight to the body.
34. Re-install grille and use screws removed in previous step to mount the grille retainer brackets.
35. Install three screws removed in Step 33 to fasten the grille to the vehicle.



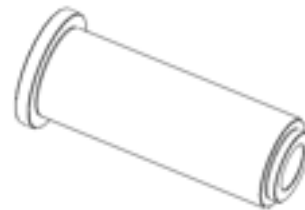
M6 - 9 Nm / 6.6 lbft

RHS SHOWN



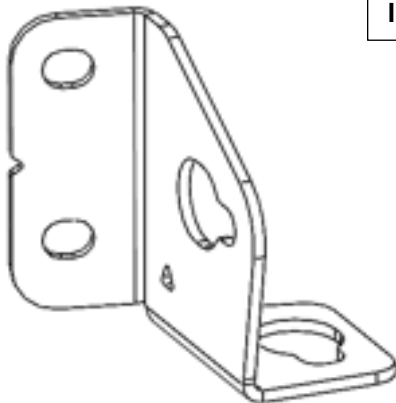
36. Identify the chassis crush tubes supplied in the fitting kit.

Fit the crush tubes to the chassis with the crush tube shoulder sitting on the inside of the chassis.



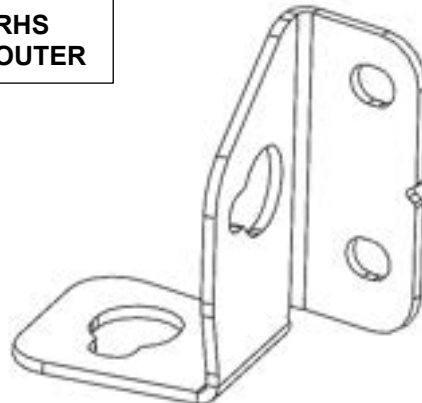
Machined crush tube

**RHS
INNER**



37. Identify the inner and outer chassis brackets.

**RHS
OUTER**



RHS SHOWN

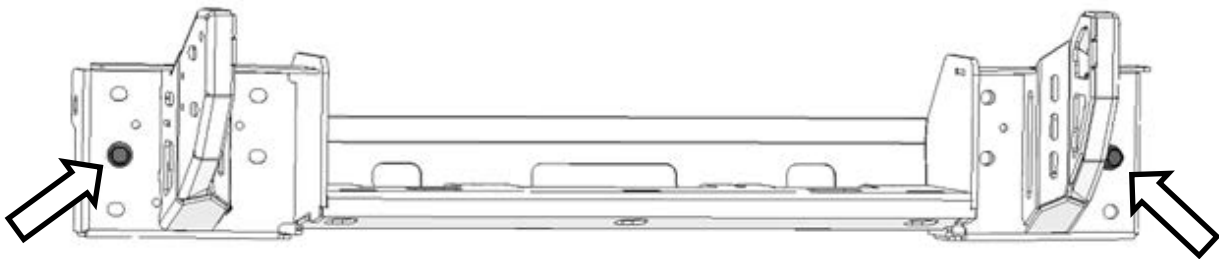
M12 nyloc nut
M12x4mm washer

M12x1.75x110 bolt
M12x4mm washer

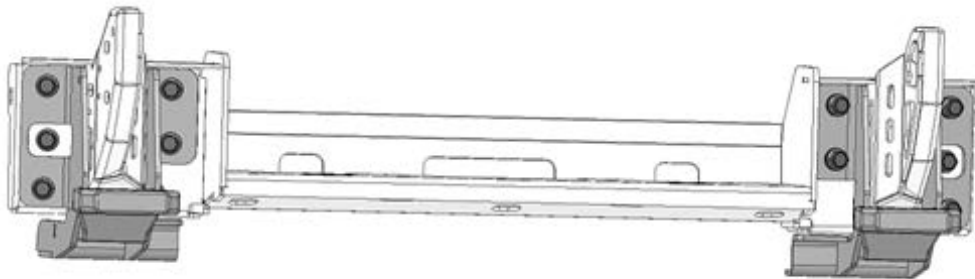
38. Fit inner & outer chassis brackets loosely using M12x1.75x110mm bolt, M12 washers & nyloc washers.

Identifier hole for inner
chassis brackets

39. Identify and install mount and winch cradle assembly. Install two M12x40 bolts, washers and nuts either side as shown. Do not tighten.

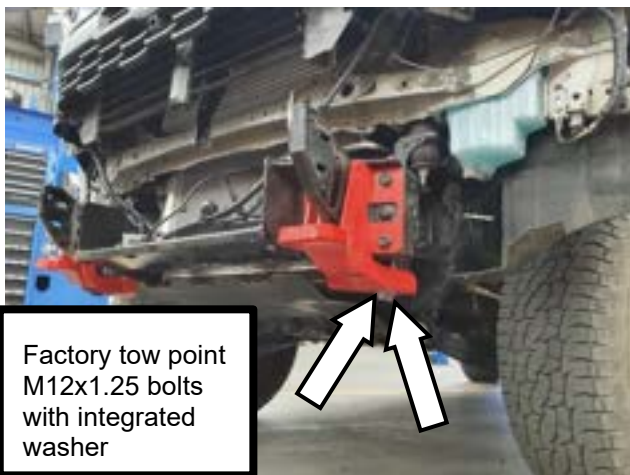


40. Install LH and RH recovery points using four M12x40 bolts, washers and nuts as shown.

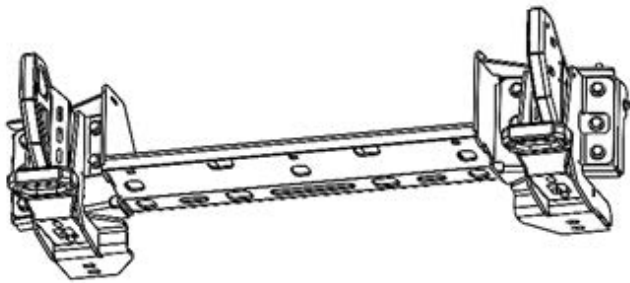


41. Install two factory tow point M12x1.25 bolts with preassembled washer removed in Step 10. Left hand side shown. Leave fasteners loose.

42. Repeat for other side.



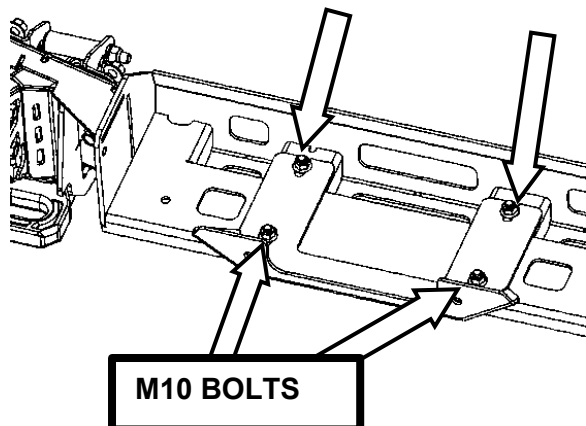
Factory tow point
M12x1.25 bolts
with integrated
washer



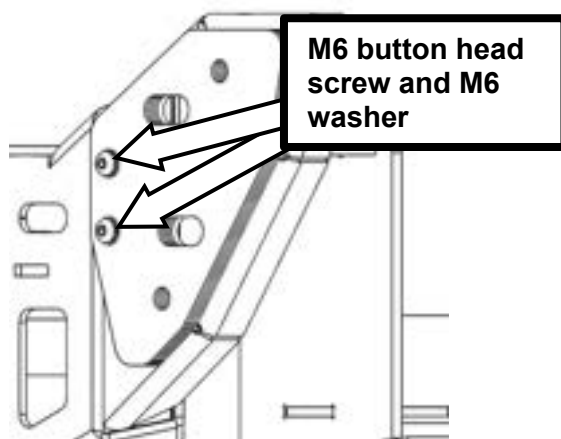
43. With all mount and recovery fasteners fitted, tighten all fasteners to specification.



SIZE	Torque Nm	Torque lbft
M12 PC11.9	102Nm	75lbft
M12 PC10.9	92Nm	68lbft

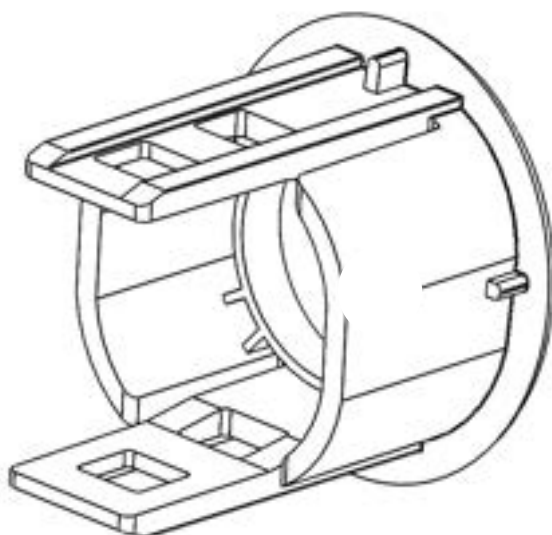
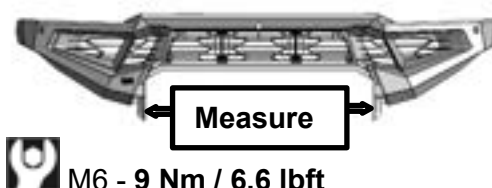


44. Place upper winch cradle in place as shown. Secure with four M10 x 35mm bolts, four M10x30x4mm washers and four M10 flange nuts. Leave loose for now. If installing a winch, these will be replaced with mounting hardware provided with winch.



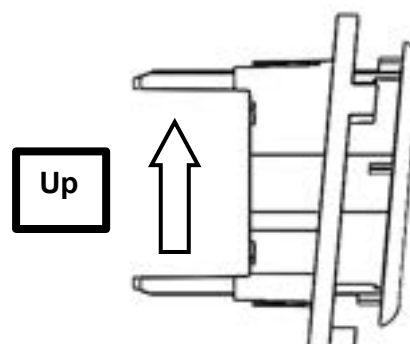
45. Using a tape measure, measure the inside mount faces of the bar and compare it to the outside faces of the mounts. Select the appropriate number of 2.0mm shims to achieve a smooth sliding fit and mount using two M6x20 button head bolts with M6 washers. Torque to spec.

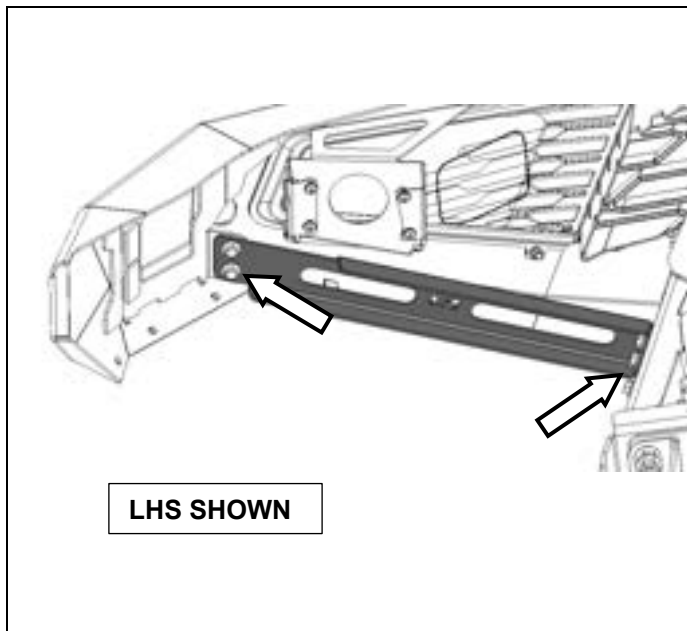
Mounts will require up to 5 shims per side. Repeat for other side.



46. Fit two sensors surrounds (part number 3525010) to the bar.

47. Clip sensors into surrounds and fit extension harnesses (part number 6821451) to each sensor.

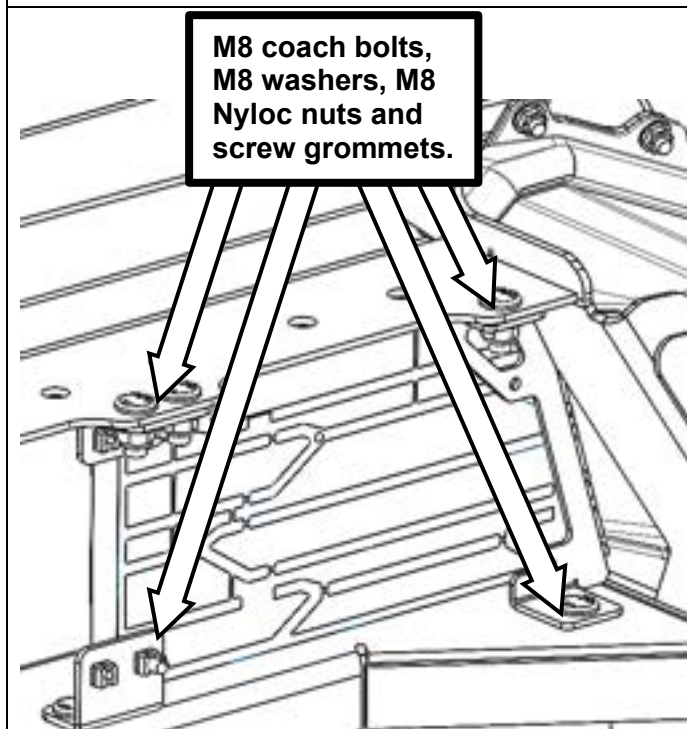




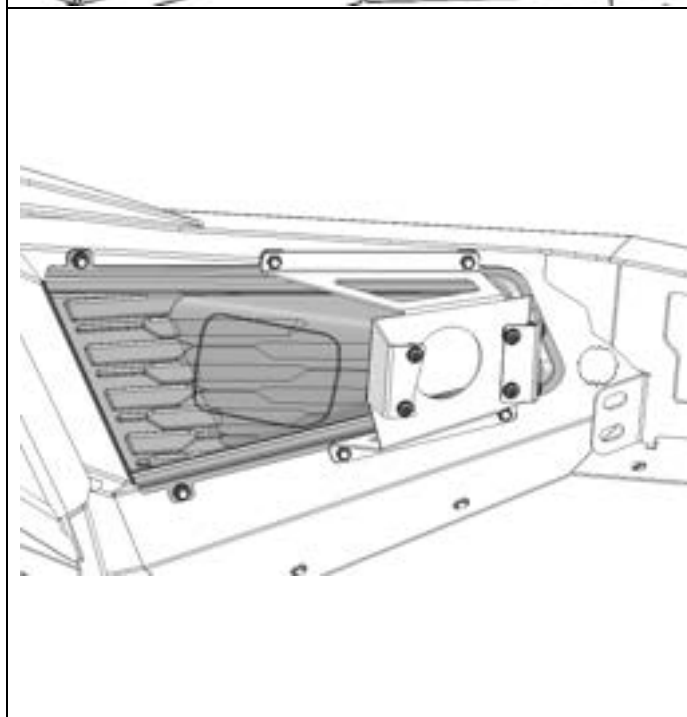
48. Fit wing braces to bar using eight M8 flange bolts and eight M8 flange nuts. Torque to spec.



M8 - 22 Nm / 16.2 lbft



49. If removing grilles for light fitment, remove fasteners shown, then remove grille brackets as well.

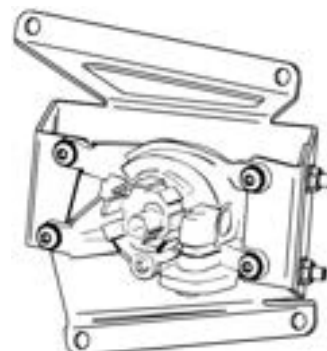


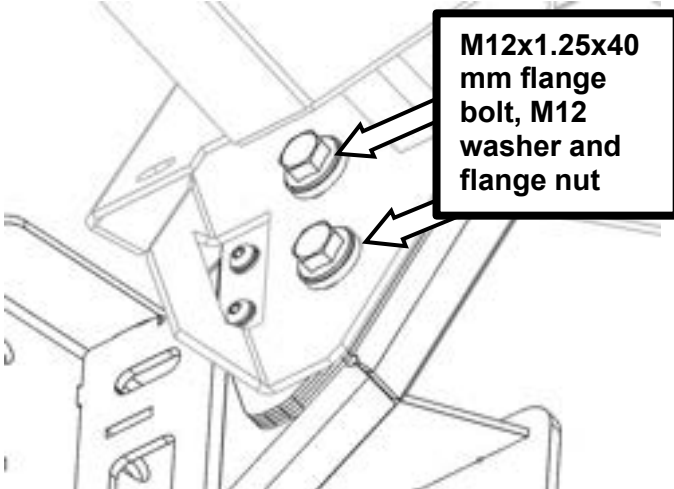
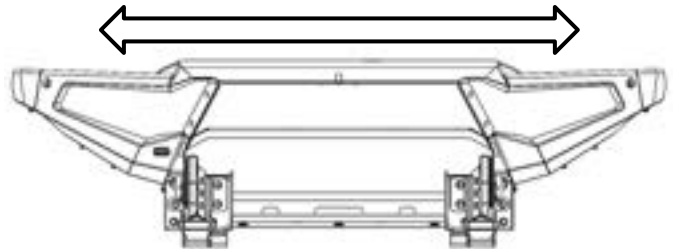
50. Using four sets of M6x16 button head screws, M6 washers and M6 flange nuts, assemble fog light bracketry as shown and install fog lights.

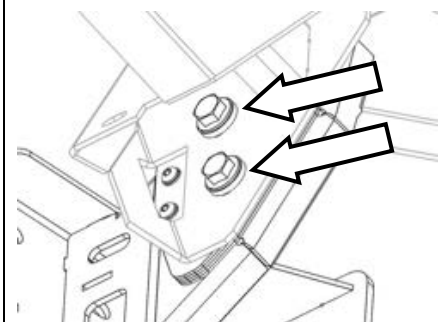
NOTE: The LHS fog light is fitted to the RHS of the bull bar and vice versa.



M6 - 9 Nm / 6.6 lbft



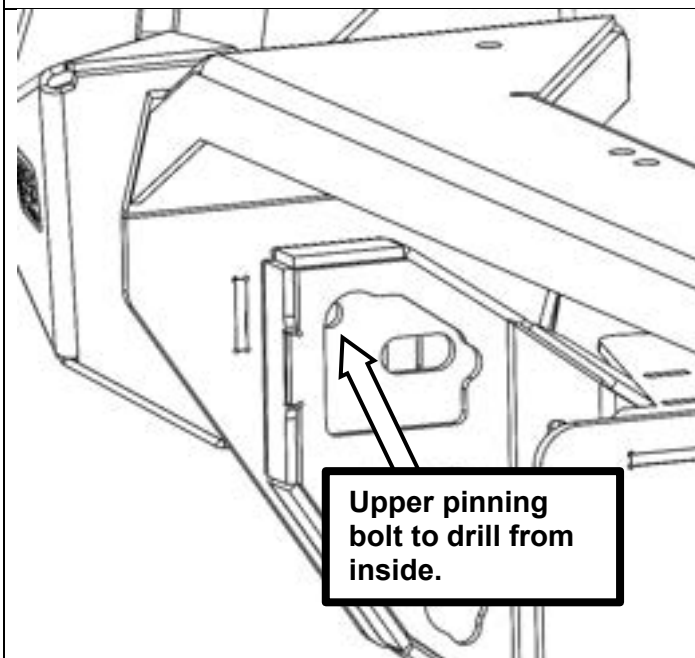
	51. Using the help of a lifting trolley or second person, lift bar onto vehicle. 52. Install two M12x1.25x40mm flange bolts, M12 washers & M12 flange nuts per side. Leave fasteners loose.
	53. Adjust the bar to make the back edge of the bar run in line with the vehicle flare as shown.
	54. Ensure bar is centred on vehicle checking gap to fender on each side. Return to Step 45 if bar is not centred, and compensate accordingly with shim quantities on each side.



55. Torque mount fasteners to spec.

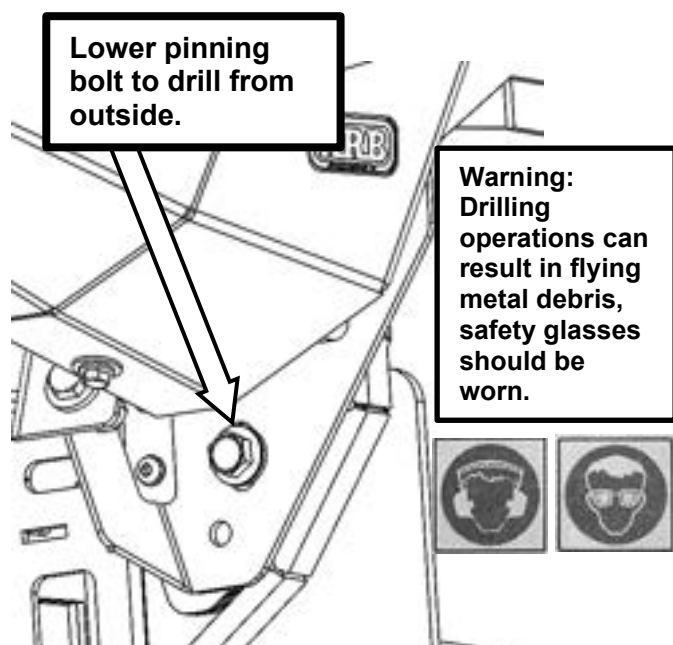


M12 PC 11.9 - 102 Nm / 75lbft



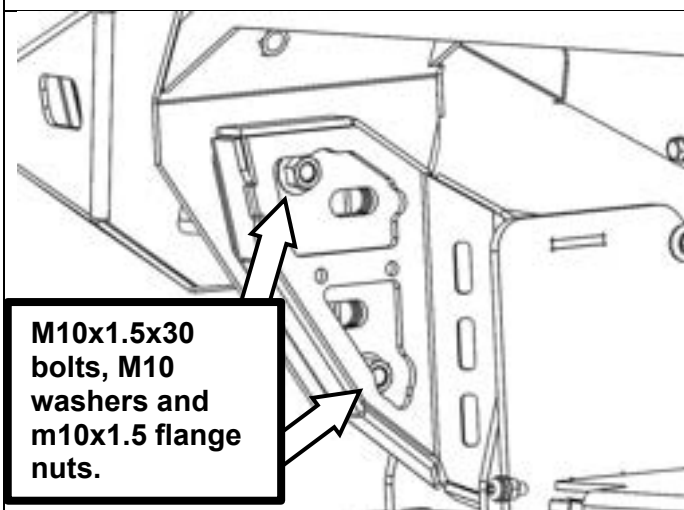
Upper pinning
bolt to drill from
inside.

56. Drill Ø10mm pinning bolt holes through clearance holes provided. The lower pinning hole is drilled from the outside while the upper pinning hole is drilled from the inside. Apply rust preventative paint.



Lower pinning
bolt to drill from
outside.

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

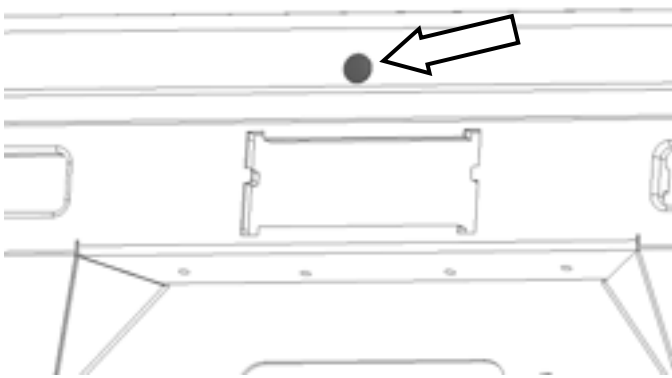
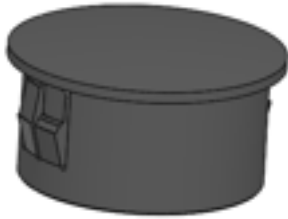
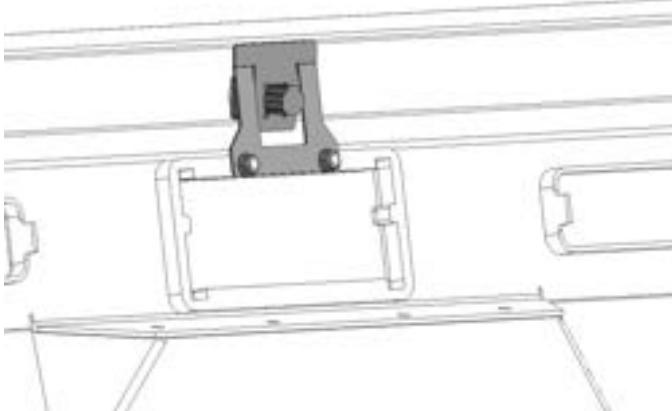


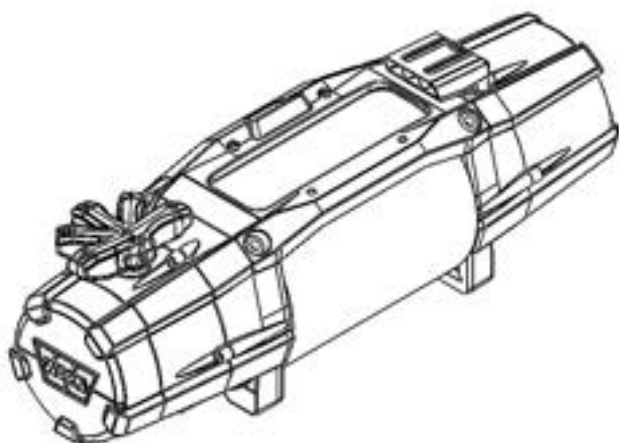
M10x1.5x30
bolts, M10
washers and
m10x1.5 flange
nuts.

57. Install four M10x1.5x30mm flange bolts, four M10 washers and four M10x1.5 flange nuts. Torque to spec.



M10 - 44 Nm / 32.5 lbft

	IF FRONT CAMERA IS FITTED SKIP TO THE NEXT STEP. 58. Install plastic cap into centre hole in bash plate. 
	59. If fitted, remove front camera from factory bracket. Install into supplied bracket using the screws from the camera. 
	60. Install camera bracket into the bash plate as shown using two M6 flange nuts.  M6 - 9 Nm / 6.6 lbft
<u>IF NOT FITTING A WINCH, SKIP TO STEP 70.</u>	

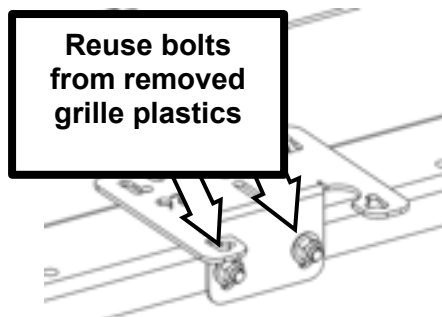


Warn Zeon variants

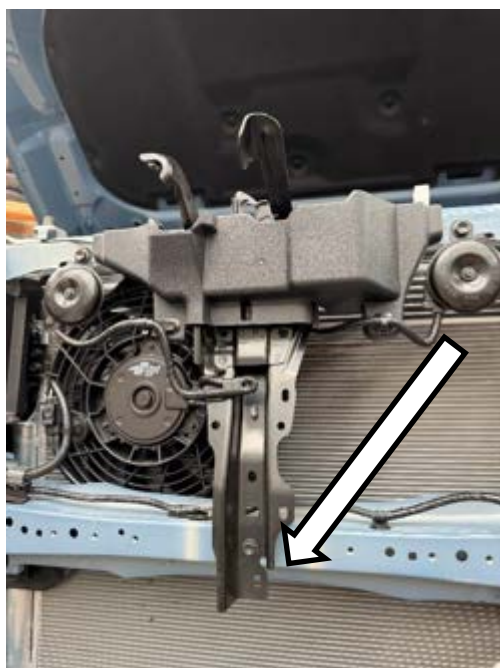
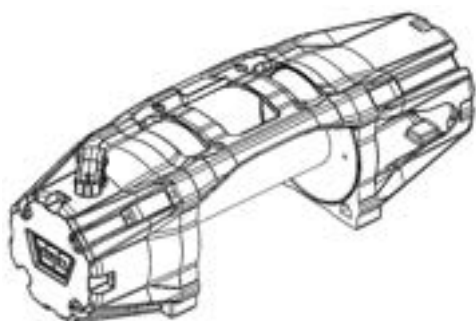
61. Remove the control box from the winch as detailed within the Warn winch instruction manual.

Fit the control box to the winch control box bracket using original hardware.

Fit the winch control box bracket with the control box fitted to the bar reusing bolts from removed grille plastics. Position the bracket in its highest position temporarily.

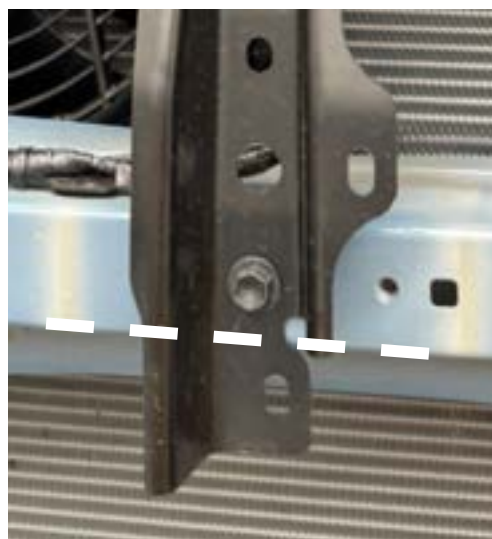


Fit the winch to the cradle and the hawse/fairlead to the bash plate. Skip to step 70.



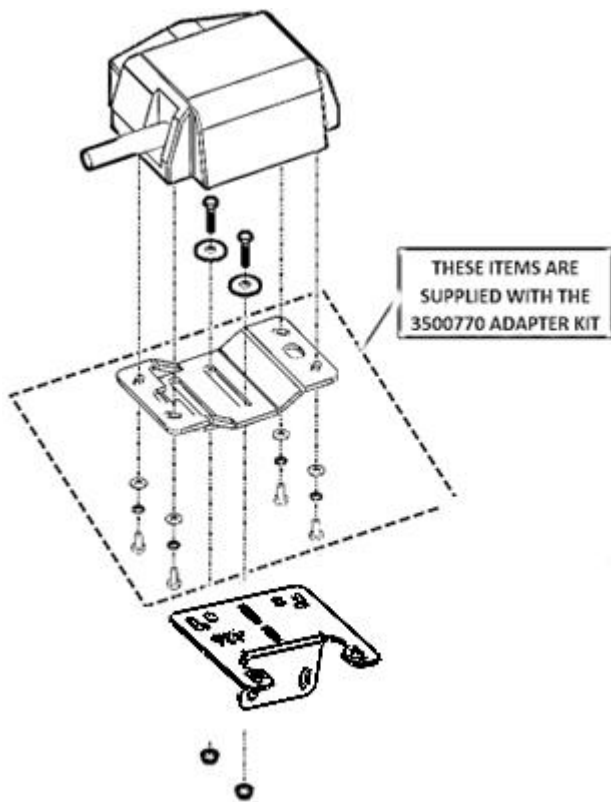
Warn VR EVO variants

62. Mark section of bonnet latch support bracket that sticks below body cross member as shown:



63. Remove assembly from vehicle and cut along marked line. This will provide clearance for control box.
64. Touch up exposed metal with suitable black paint and re-fit assembly.
65. Fit the winch to the cradle and the hawse/fairlead to the bash plate.

RETURN TO STEP 33.



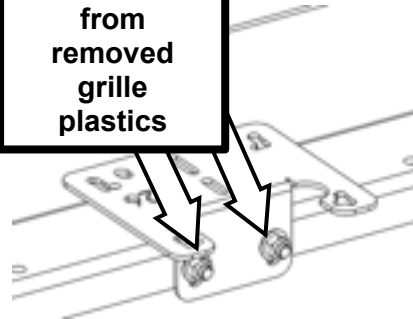
Warn XDC variants

66. Remove the control box from the winch as detailed within the Warn winch instruction manual.

Fit the control box to the winch control box bracket using optional fitting kit **3500770** as shown.

Fit the winch control box bracket with the control box fitted to the bar reusing bolts from removed grille plastics. Position the bracket in its highest position temporarily.

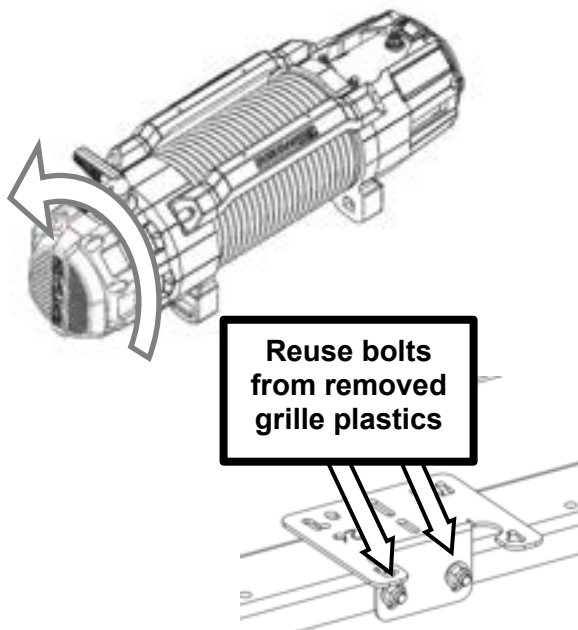
Reuse bolts from removed grille plastics



Fit the winch to the cradle and the hawse to the bash plate. Skip to step 70.

67. **Warn M8000, XD9 and 9.5XP variants are directly compatible and do not need to be clocked or disassembled for installation.**

Fit the winch to the cradle with the control box mounted to the winch itself. Fit the winch to the cradle and the hawse/fairlead to the bash plate. Skip to step 70.



68. Bushranger Revo MkII variants

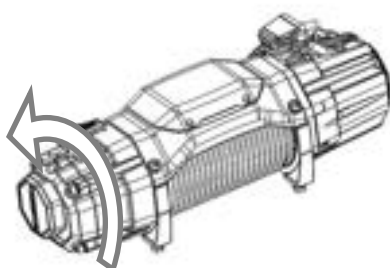
Following instructions included with the Bushranger winch, rotate the clutch assembly on the winch to position the handle on top of the winch when fitted foot down on the cradle.

Remove the control box from the winch as detailed within the Bushranger winch instruction manual.

Fit the control box to the winch control box bracket using original hardware.

Fit the winch control box bracket with the control box fitted to the bar reusing bolts from removed grille plastics. Position the bracket in its highest position temporarily.

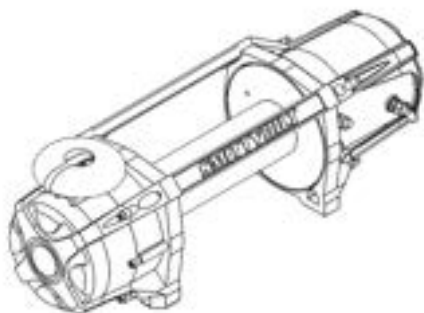
Fit the winch to the cradle and the hawse to the bash plate. Skip to step 70.



69. Bushranger Covert variants

Following instructions included with the Bushranger winch, rotate the clutch assembly on the winch to position the handle on top of the winch when fitted foot down on the cradle.

Fit the winch to the cradle and the hawse to the bash plate. Skip to step 70.

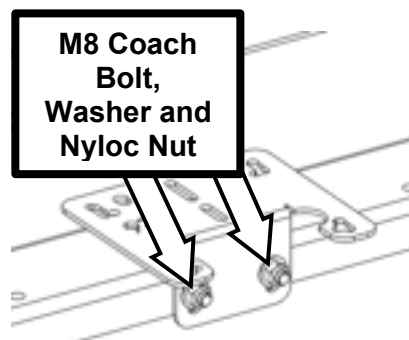


70. *Smittybilt X20 variants*

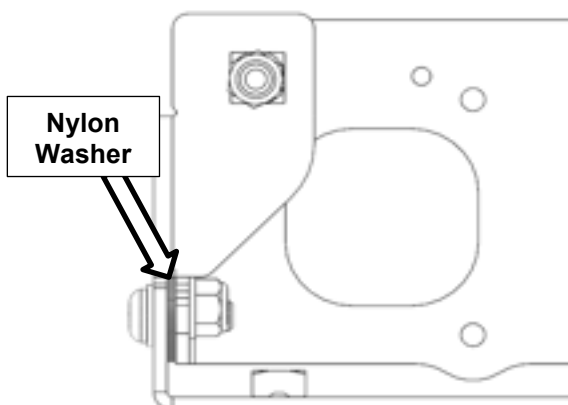
Remove the control box from the winch as detailed within the Smittybilt winch instruction manual.

Fit the control box to the winch control box bracket using original hardware.

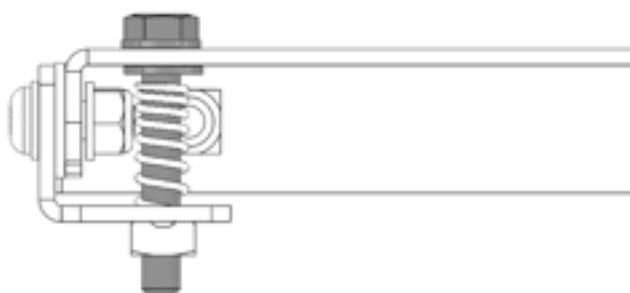
Fit the winch control box bracket with the control box fitted to the bar using two M8 coach bolts, two M8 washers and two M8 Nyloc nuts. Position the bracket in its highest position temporarily.



Fit the winch to the cradle and the hawse to the bash plate. Skip to step 70.



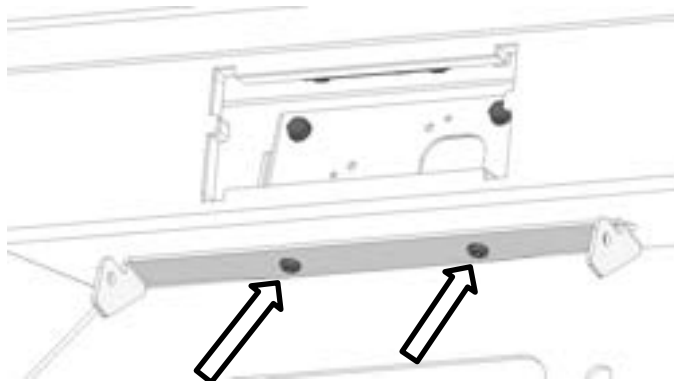
71. Assemble upper and lower half of radar bracket using two M6 button head screws, four M6 flat washers, two M6 nylon washers and two M6 nyloc nuts. Tighten to remove any play, while still allowing the bracket to pivot freely.



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



73. Fasten radar module to the bracket using 3 factory phillips head screws.

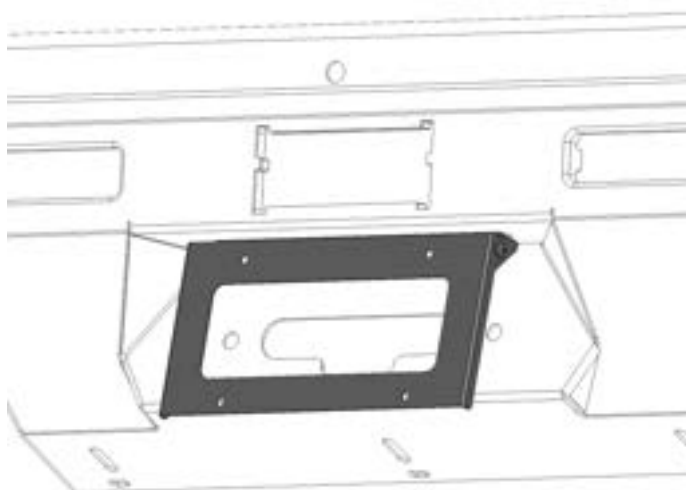


74. Fasten radar assembly to the bash plate using two M6 button head screws and two M6 flat washers. Torque to spec.

Note: do not install radar cover yet.



M6 - 9 Nm / 6.6 lbft

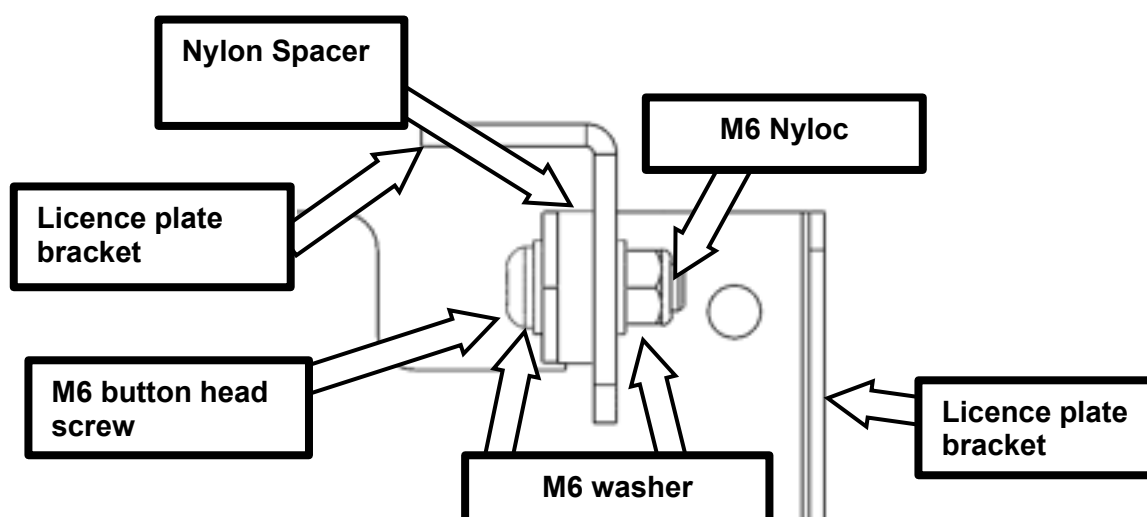


75. Assemble flip up licence plate bracket using two M6 button head screws, two M6 Nyloc nuts, two nylon spacers and four M6 washers. Tighten until firm, but can still rotate.

76. Fit licence plate bracket to bash plate, using four M6 button head screws, four M6 washers and four M6 flange nuts. Torque to spec.



M6 - 9 Nm / 6.6 lbft



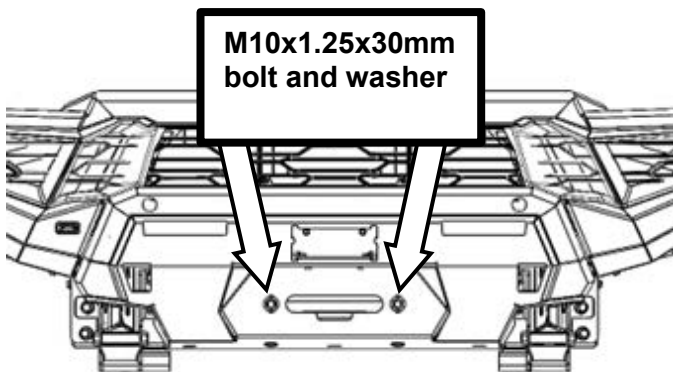


77. Place the dressed bash plate on the vehicle.

Note: Be careful not to scratch the powder coat on the bar or bash plate in the areas shown.

78. Plug in radar, parking sensors and fog lights.

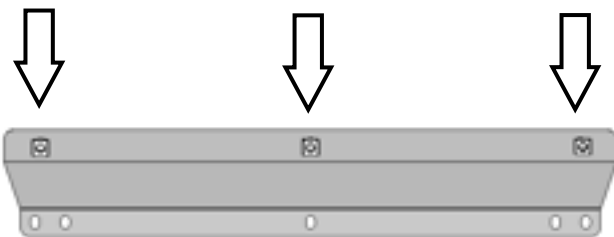
Note: do not install radar cover yet.



79. Fit two M10x1.5x30 bolts and two M10x30x4mm washers to secure the bash plate to the winch cradle. Leave fasteners loose. If installing a winch, these will also secure the hawse.

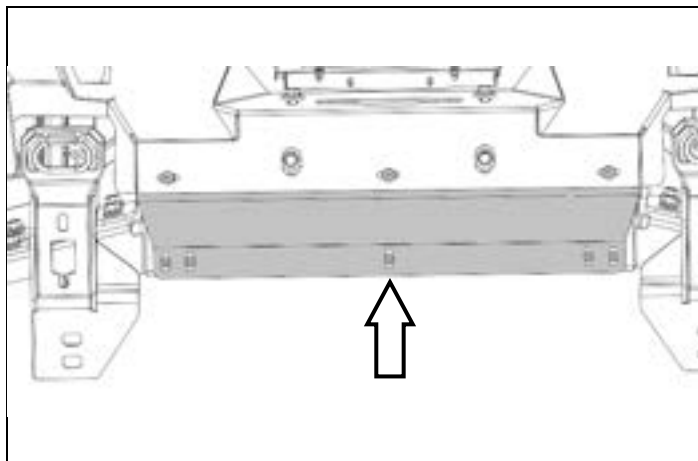


80. Re-install factory under panel using factory fasteners.



81. Identify the rear under panel and install three M8 cage nuts into holes as shown.





82. Slide rear under panel under the rear of the bash plate. Fasten three M8 button head screws and washers into cage nuts fitted in previous step and install five M6 button head screws and washers into captive nuts in factory under panel. Torque to specification.

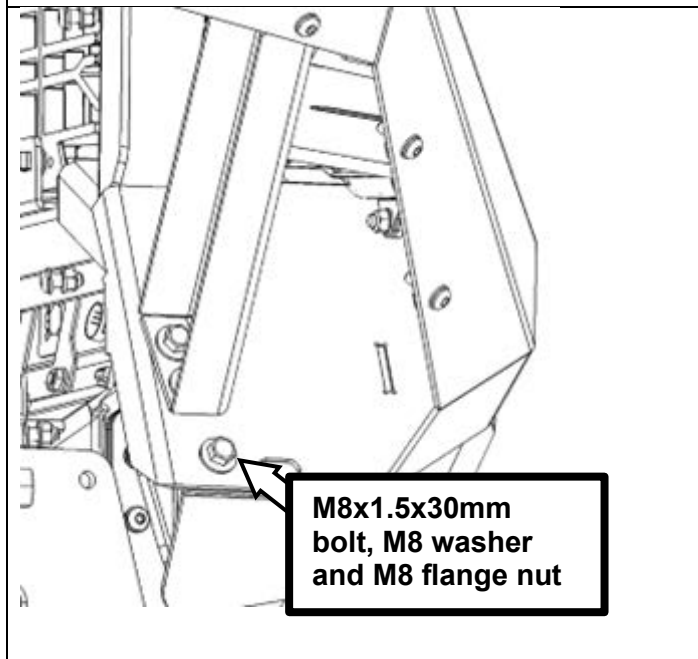


M6 - 9 Nm / 6.6 lbft



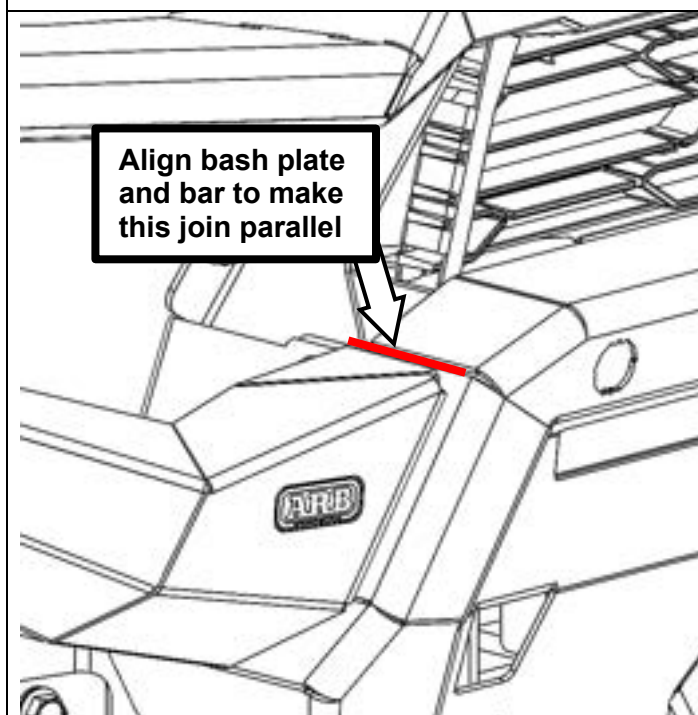
M8 - 22 Nm / 16.2 lbft

Note – Vehicle not shown.



**M8x1.5x30mm
bolt, M8 washer
and M8 flange nut**

83. Fit two M8x1.5x20 bolts, washers, M8 flange nuts to secure bash plate. Leave fasteners loose.



**Align bash plate
and bar to make
this join parallel**

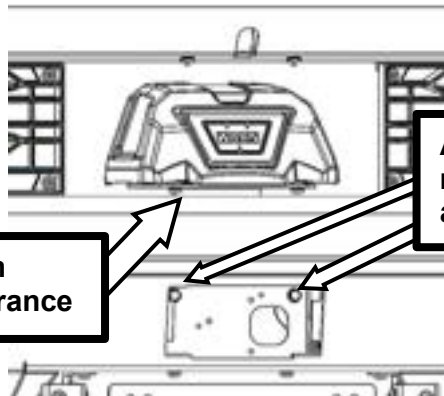
84. Align bash plate to bar, specifically with where it interfaces with the wings of the bar. The edge of the bash plate lines up parallel with the adjacent edge of the bar. Torque bash plate fasteners (four fitted) and upper winch cradle fasteners (four) to spec.



M10 - 44 Nm / 32.5 lbft



M8 - 22 Nm / 16.2 lbft

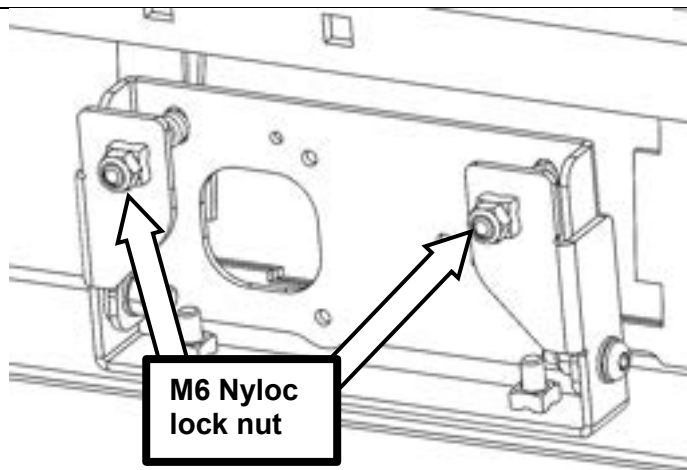


85. Place a digital level on the front face of the radar. The front face should be 90 degrees to level ground with a tolerance of ± 1 degree. Turn the two adjustment bolts evenly to alter the angle of the radar module to fall within this tolerance.

86. If fitted, move winch control box bracket down, allowing 3mm clearance from the control box fasteners to the bash plate. Torque M8 bracket bolts to spec.



M8 - 22 Nm / 16.2 lbft



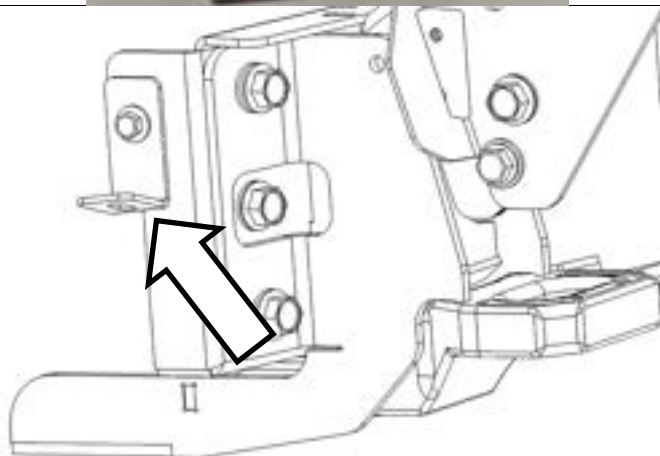
87. Lock the radar adjustment in position with two M6 Nyloc nuts tightened against the radar bracket as shown. Hold adjustment bolts in place when tightening. Torque to spec.



M6 - 9 Nm / 6.6 lbft



88. Install the radar cover into the front of the bash plate by clipping it in from the front.



89. Identify and install under panel retainer brackets using one M8x20 flange bolt and flange nut per side.



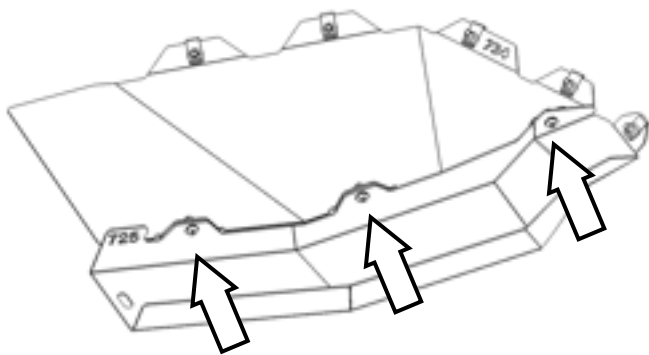
M8 - 22 Nm / 16.2 lbft



RHS



LHS



RHS SHOWN

90. Fit five M6 U nuts to each wing under panel.



Note: U nut heads to be located on top side.

91. Assemble the two piece under panels together by using three M6x16 bolts with M6 flat washers and M6 flange nuts.



M6 - 9 Nm / 6.6 lbft



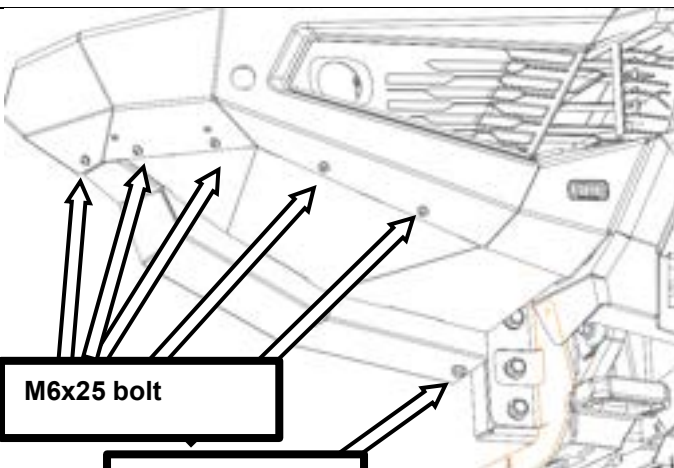
100. Temporarily place the wing under panel in position, and mark lines onto the OEM inner guards (LH & RH) using lower edge of wing under panels as guide ensuring enough guard remains so that it may be neatly tucked/secured behind wing under panel lip.

Caution: Use care not to damage the windscreen washer bottle or hoses when trimming LH inner guard.

101. Carefully cut along marked lines using oscillating multitool or shears.



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



M6x25 bolt

M8x20 bolt
M8 large washer
M8 nut

102. Fasten wing under panel assembly to bull bar using ten M6 flange bolts (five per side).

Fasten lower corner of wing under panel using two M8x1.25x20mm flange bolts, M8 large washer and M8 flange nuts.

re-install upper radiator cover panel and fasten using factory scrivenets.

Re-install all fasteners inside wheel arch liner.



M6 – 9Nm / 6.6 lbft



M8 – 22Nm / 16.2 lbft



103. Re-install upper radiator cover panel and fasten using OEM scrivenets.

104. Re-install all fasteners inside wheel arch liner.

105. Reconnect battery terminals.

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.
- ◆ Check operation of winch, if fitted.
- ◆ Check all wiring and connections to turn signal lamps, fog lights and sensors, headlamp washers etc. 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.

NOTE:

If parking sensors are fitted, do not add any accessories to the Zenith Bar on or around the sensors, this may affect the function of the sensors.

Sensors may not function well under the following conditions:

- ◆ After the vehicle has been sitting out in hot or cold weather.
- ◆ When the system is affected by electrical equipment or devices generating an ultrasonic wave.
- ◆ When operating in bad weather.