



Jeep Grand Cherokee WL and L Overland & Trailhawk (incl. 4xe) 2022-on Hidden Winch Mount

IMPORTANT! – READ BEFORE INSTALLATION

- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. OFFROAD ANIMAL cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer. If you find something has changed please contact us to let us know!
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- If Instructions are to be printed for reference in the workshop, it is recommended that they are printed in colour, for best legibility.

GENERAL CARE AND MAINTENANCE

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

It is important to perform regular checks (pre trip or on an annual basis) on the installed product. Checks include:

- Visual inspection for damage (eg. cracks, chips, dents etc.)
- Electrical wiring is not rubbing anything or worn out
- Bolts are torqued to correct specification (see torque guide below)

For touching up small stone chips, Offroad Animal recommends the following paint products:

- Dupli-Color Trim & Bumper Paint Black (TB101)
- VHT Hood, Bumper & Trim Paint Black (SP27)

BOLT TORQUE SETTINGS

Use the following bolt torques on all general fasteners, unless otherwise specified.

GENERAL FASTENERS	
Size	Torque Nm
M5	5 Nm
M6	9 Nm
M8	22 Nm
M10	44 Nm
M12	77 Nm

Use the following bolt torques on all structural front bar mount and tow point fasteners, and rear towbar fasteners, unless otherwise specified.

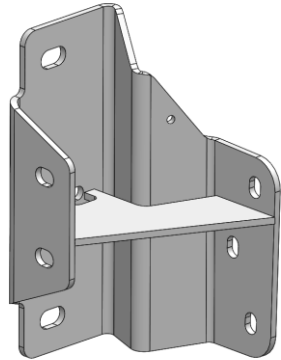
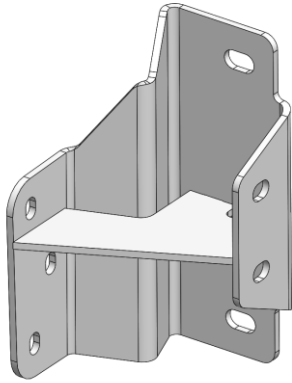
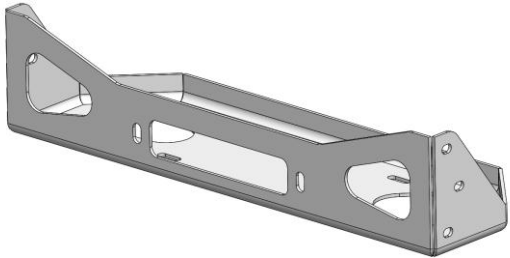
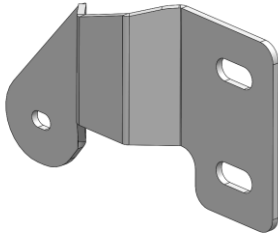
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

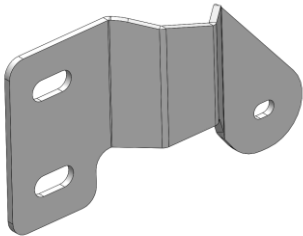
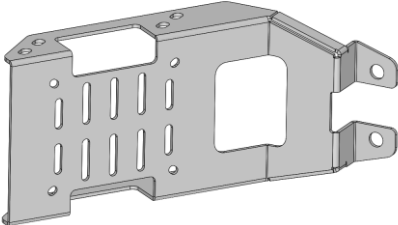
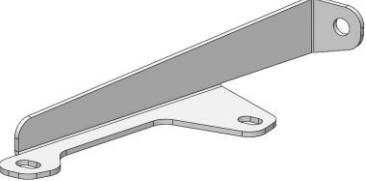
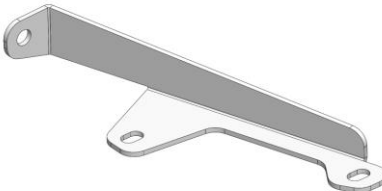
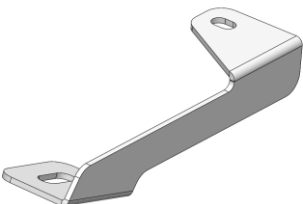
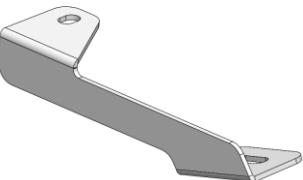
Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

PARTS LISTING

IMPORTANT: Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

Main Parts – In the Box

Qty	Part Number	Description	Image
1	HW-JGC-WL-22-ASM1	WL Hidden Winch Chassis Mount Assy RH	
1	HW-JGC-WL-22-ASM2	WL Hidden Winch Chassis Mount Assy LH	
1	B-0892	WL Hidden Winch Cradle	
1	B-0895R	WL Hidden Winch Chassis Strap	

1	B-0895L	WL Hidden Winch Chassis Strap	
1	B-0899	WL Hidden Winch Control Box Relocation Bracket	
1	B-0992R	WL Hidden Winch Control Box Relocation Support Brace	
1	B-0992L	WL Hidden Winch Control Box Relocation Support Brace	
1	B-0993R	WL Pre Runner Wing Brace for Winch Control Box Relo	
1	B-0993L	WL Pre Runner Wing Brace for Winch Control Box Relo	
2	P-0288	WL Hidden Winch Spacer Plate (only used when fitting with Offroad Animal Recovery Points)	
4	P-0306	LC300 Inner Mount Spacer Block	

Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
2	NP-COM-M8-200-ASM0	M8 Nut Plate 200mm
2	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
2	M8 X 40 HEX	Bolt Hex, M8X40X1.25, GR8.8 ZP
2	M8 FLAT WASHER	M8 FW
2	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile 19x8x1.9mm
2	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
6	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
6	M10 Flat Washer	M10 FW
6	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
4	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP
4	M12 FLAT WASHER	M12 FW
4	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP

TOOLS REQUIRED

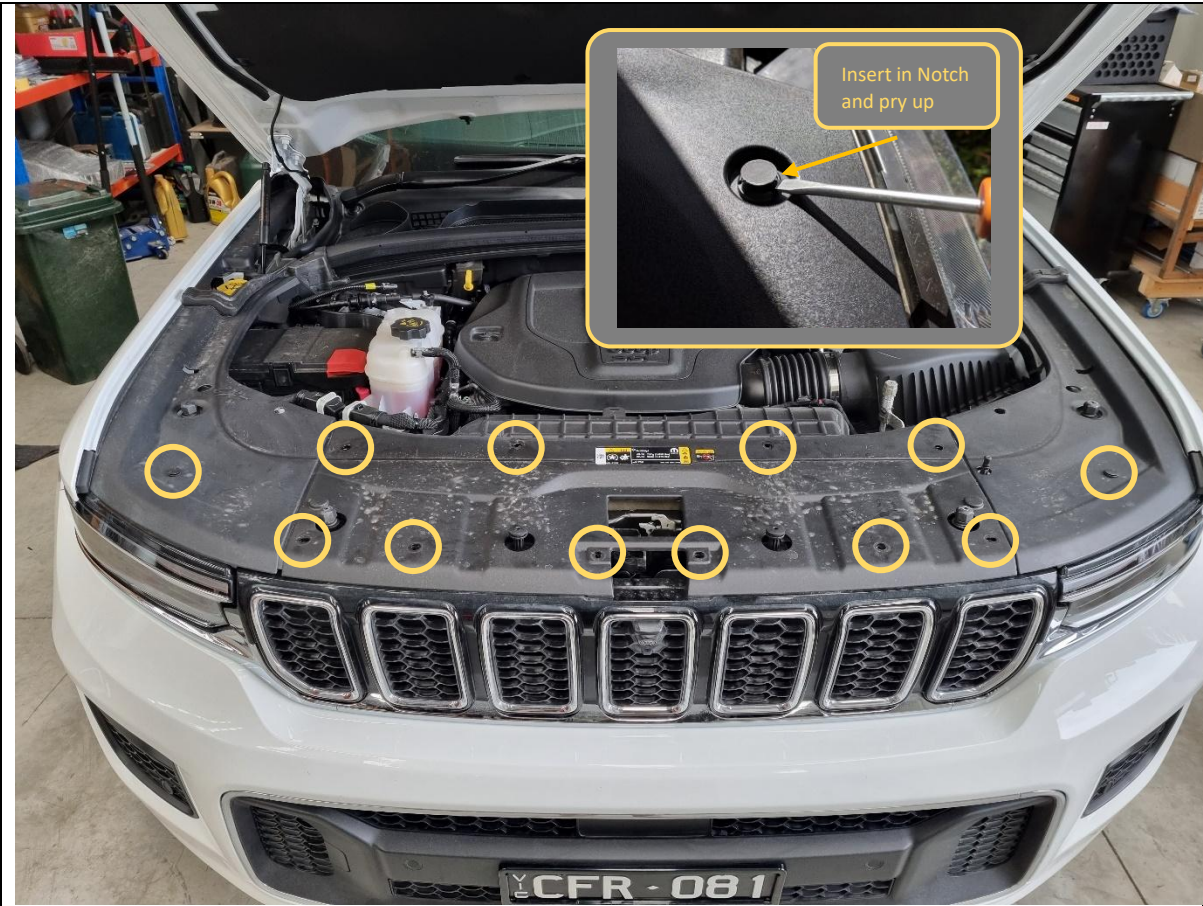
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 8-19mm	Electric/Air Impact Driver (Optional)	Rag
Socket Extension Bar		Masking Tape
Metric Spanner Set 8-19mm	Air Hacksaw or Oscillating Multi Tool	Marker Pen
Hex (Allen) Key Set 4-6mm	or Angle Grinder	
Torx Key Set	Or Jigsaw	
Flat blade screwdriver		
Trim tool		

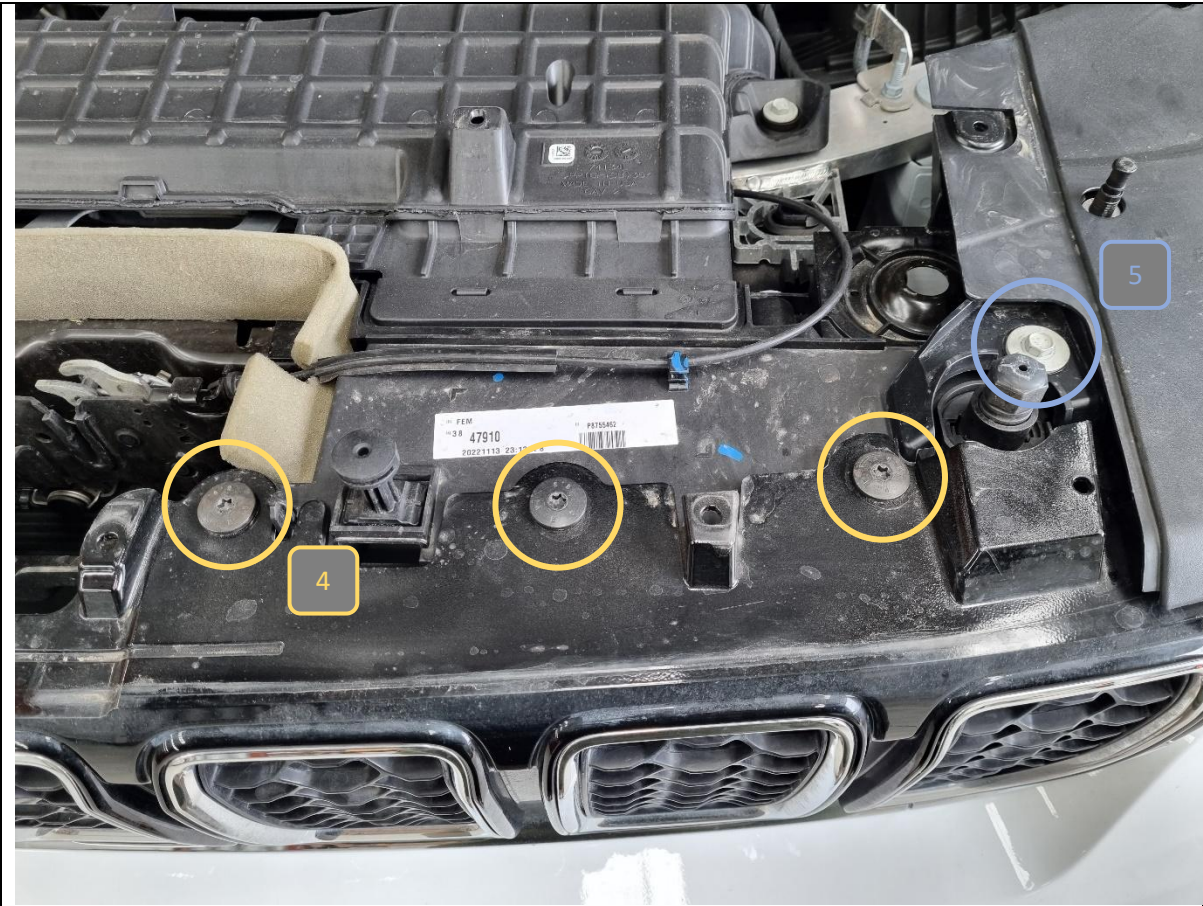
WORKSHOP SAFETY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

Hearing Protection 	Always wear ear protection when using power tools.
Eye Protection 	Ensure eye protection is always worn when cutting or drilling.
Manual Handling 	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.
Vehicle Support 	Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.



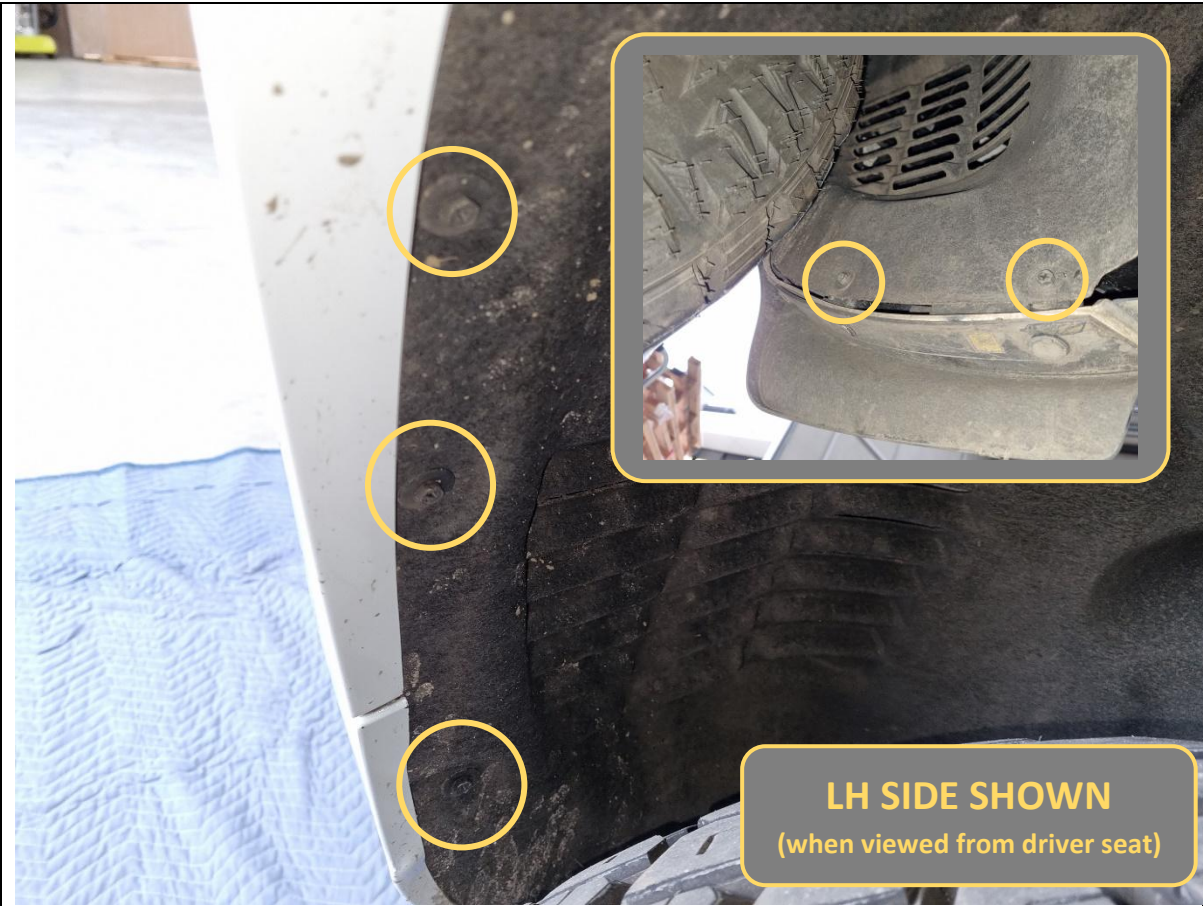
This product is designed to work in conjunction with the Offroad Animal Pre Runner, Recovery Points and Nudge Bar. Please read and familiarise yourself with ALL fitting instructions for the products you are installing prior to commencing. 1. Open the bonnet. 2. Remove 12x plastic push rivets by levering center section upwards using flat bladed screwdriver or trim tool, as shown. 3. Lift and remove the radiator cover.	TOOLS REQUIRED Flat Blade Screwdriver or Trim Tool
	FASTENERS 12x Plastic Push Rivets Retain for Reassembly



4. Remove 6x T40 Torx screws from the top of the grille. 5. Remove 2x 10mm hex head bolts from the top of the grille.	TOOLS REQUIRED T40 Torx driver 10mm socket/spanner
	FASTENERS 6x T40 Torx screws 2x 10mm hex head bolts Retain for Reassembly

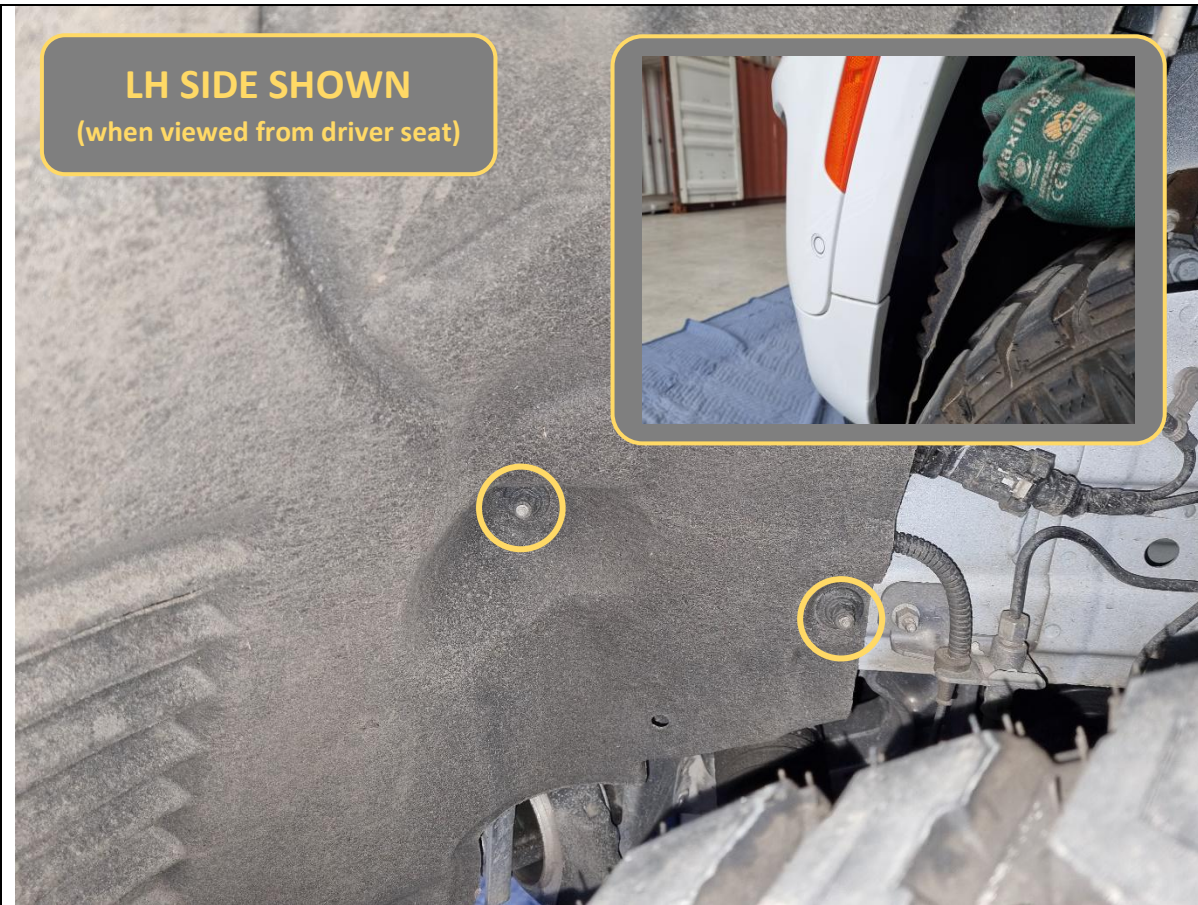


6. Remove 9x 10mm hex head bolts from the bottom of the bumper. 7. Remove 2x plastic push rivets from the bottom of the bumper. Please note the bolt arrangement on the Trailhawk may be different to the Overland shown. In any case, remove all fasteners on the bottom of the bumper.	TOOLS REQUIRED 10mm socket/spanner Flat Blade Screwdriver or Trim Tool
	FASTENERS 9x 10mm hex head bolts 2x Plastic Push Rivets Retain for Reassembly



LH SIDE SHOWN
(when viewed from driver seat)

8. On each side, remove 5x 8mm hex head screws securing the wheel arch liner to the bumper.	TOOLS REQUIRED 8mm socket/spanner or Phillips Head screwdriver
	FASTENERS 5x 10mm hex head bolts Retain for Reassembly

 LH SIDE SHOWN (when viewed from driver seat)	
9. Remove at least 3x of the black plastic nuts securing the wheel arch liner to the body using a 10/11mm socket. 10. Pull down on the front half of the wheel arch liner to expose the inside of the bumper. Note: Fully removing the wheel arch liner will make it easier for fitment later but is not mandatory.	TOOLS REQUIRED 10/11mm socket
	FASTENERS Plastic nuts Retain for Reassembly

 LH SIDE SHOWN (when viewed from driver seat) 		
11. Pull and release the clips retaining the flare to the bumper + quarter panel. It is easiest to insert an 8mm socket on the inside and push the trim clips outwards (see inset photos). 12. Use a rag to protect the flare and to prevent it from flapping around.	TOOLS REQUIRED 8mm socket (optional) Rag	
	FASTENERS	

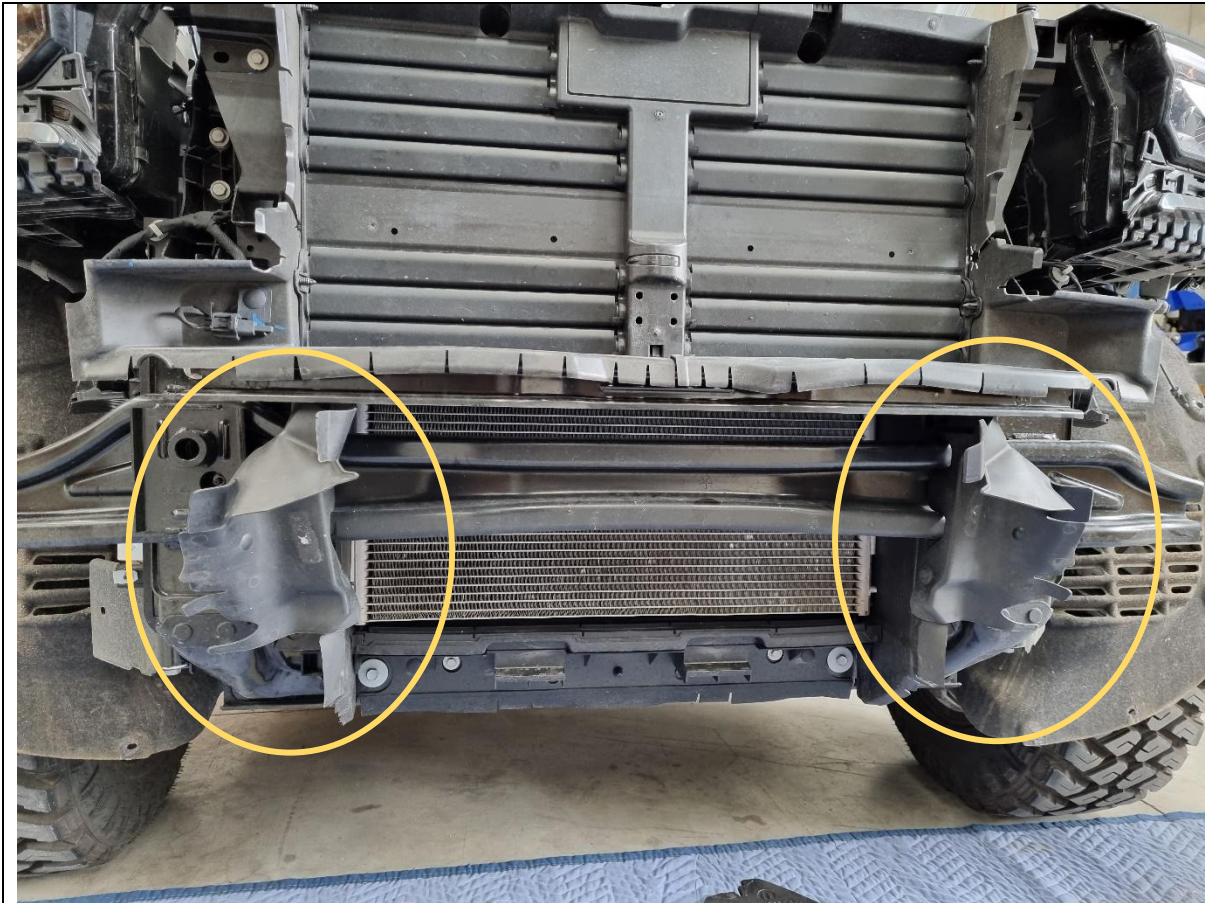
LH SIDE SHOWN (when viewed from driver seat) 	
13. On both sides, remove the 10mm hex head bolt securing the bumper to the quarter panel. 14. Disconnect sensor looms, camera loom and washer hoses on both sides of the bumper (see inset photos). There should be 1x sensor loom plug each side, a camera loom plug on the LH, and washer hose on the RH.	TOOLS REQUIRED 10mm socket
	FASTENERS 2x 10mm hex head bolts Retain for Reassembly



15. If headlight washers are equipped, pull out the plastic cover cap and unclip it from the plastic washer stem.	TOOLS REQUIRED
	FASTENERS



16. Remove the bumper by releasing the clips on either side and lifting the top flap of the grille over the bonnet rubber stops.	TOOLS REQUIRED
	FASTENERS



17. Unclip and remove the air dams with a flat head screwdriver or trim tool.

TOOLS REQUIRED

Flat Blade Screwdriver
or
Trim Tool

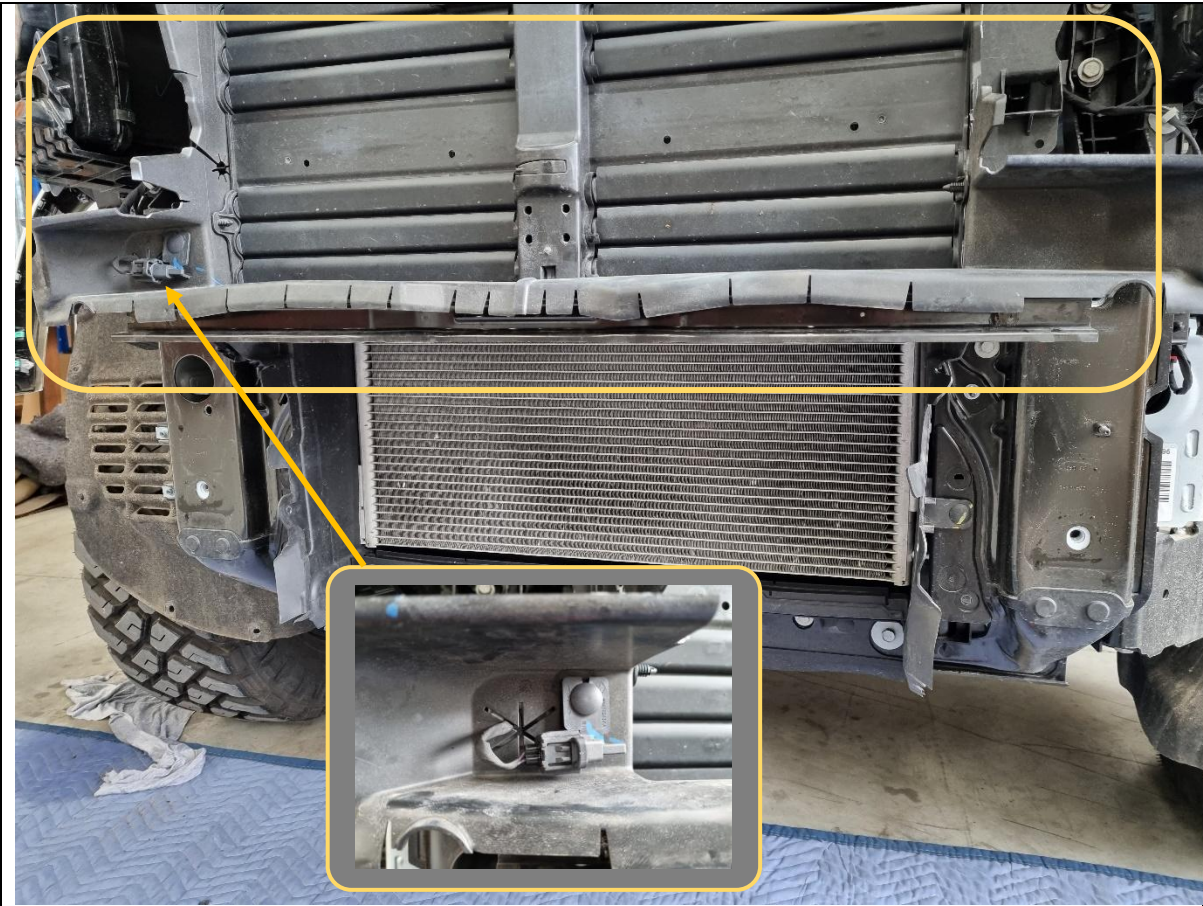
FASTENERS



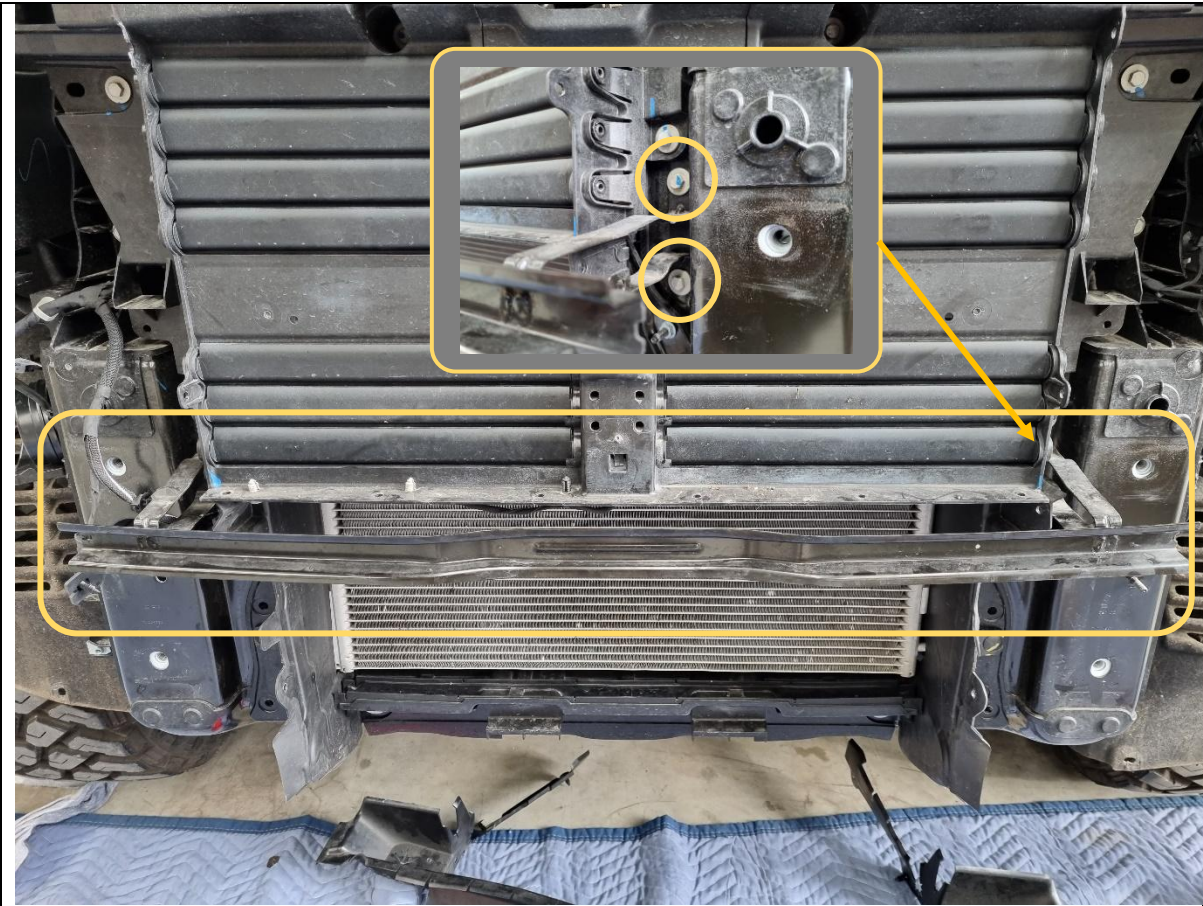
18. If factory tow hooks are equipped, remove the 2x 16mm hex head bolts on each side.	TOOLS REQUIRED 16mm socket/spanner
	FASTENERS



19. Using a 16mm socket or spanner, remove the 4x hex head bolts securing the impact beam to the body.	TOOLS REQUIRED
	16mm socket/spanner
	FASTENERS
	4x 16mm hex head bolts
	Retain for reassembly



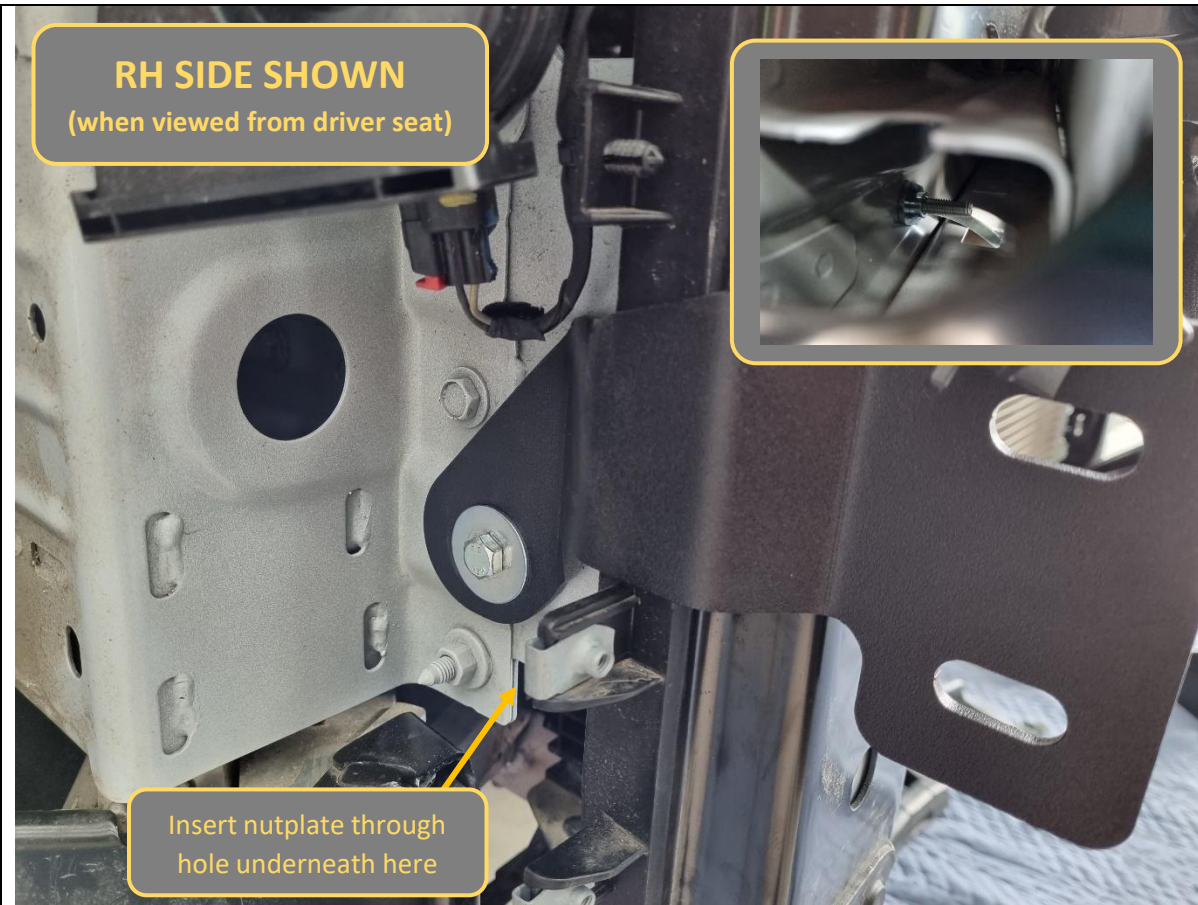
20. Unclip the air temperature sensor from the upper air dam using a flat head screwdriver or trim tool. 21. Unclip and remove the upper air dam.	TOOLS REQUIRED Flat Blade Screwdriver or Trim Tool
	FASTENERS

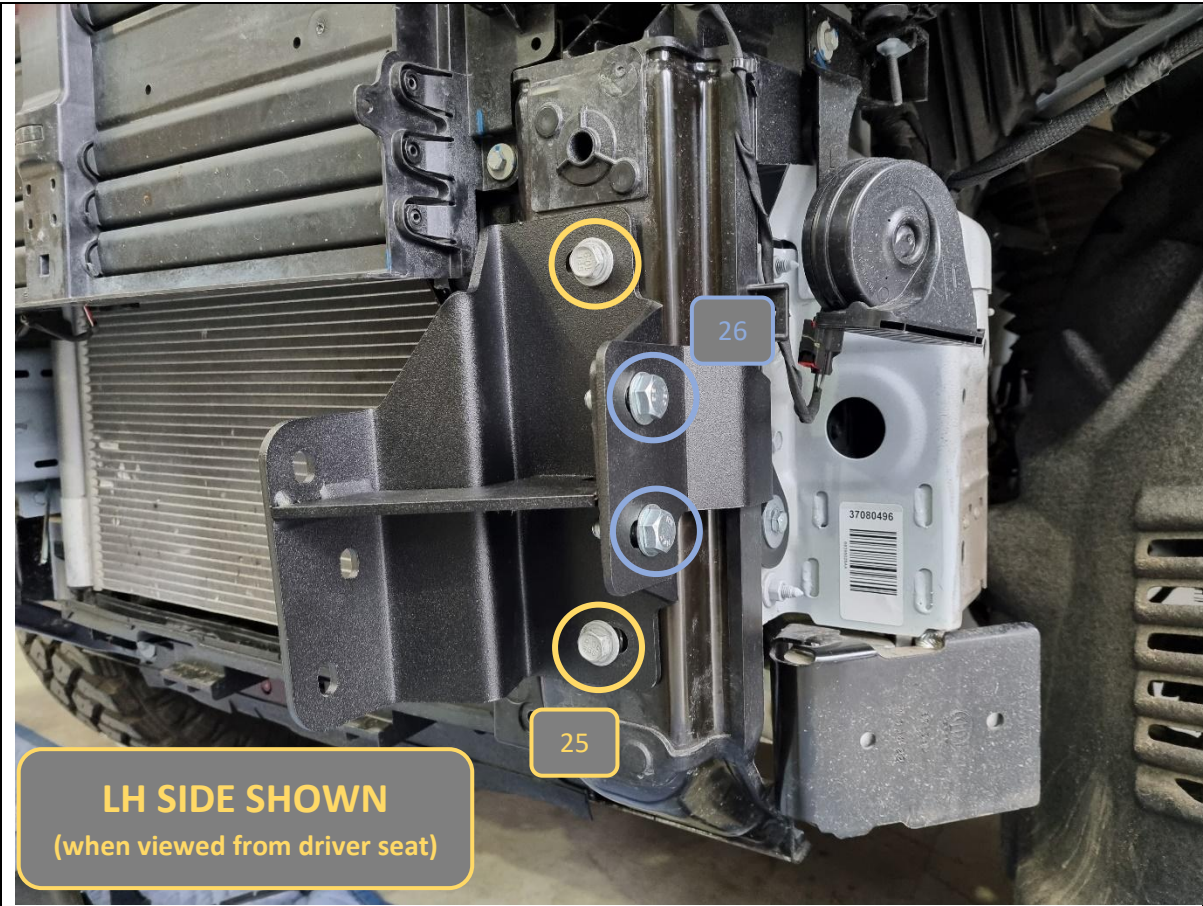


22. Remove the steel cross beam by removing the 4x 10mm hex head bolts securing it to the body (see inset).	TOOLS REQUIRED 10mm socket
	FASTENERS

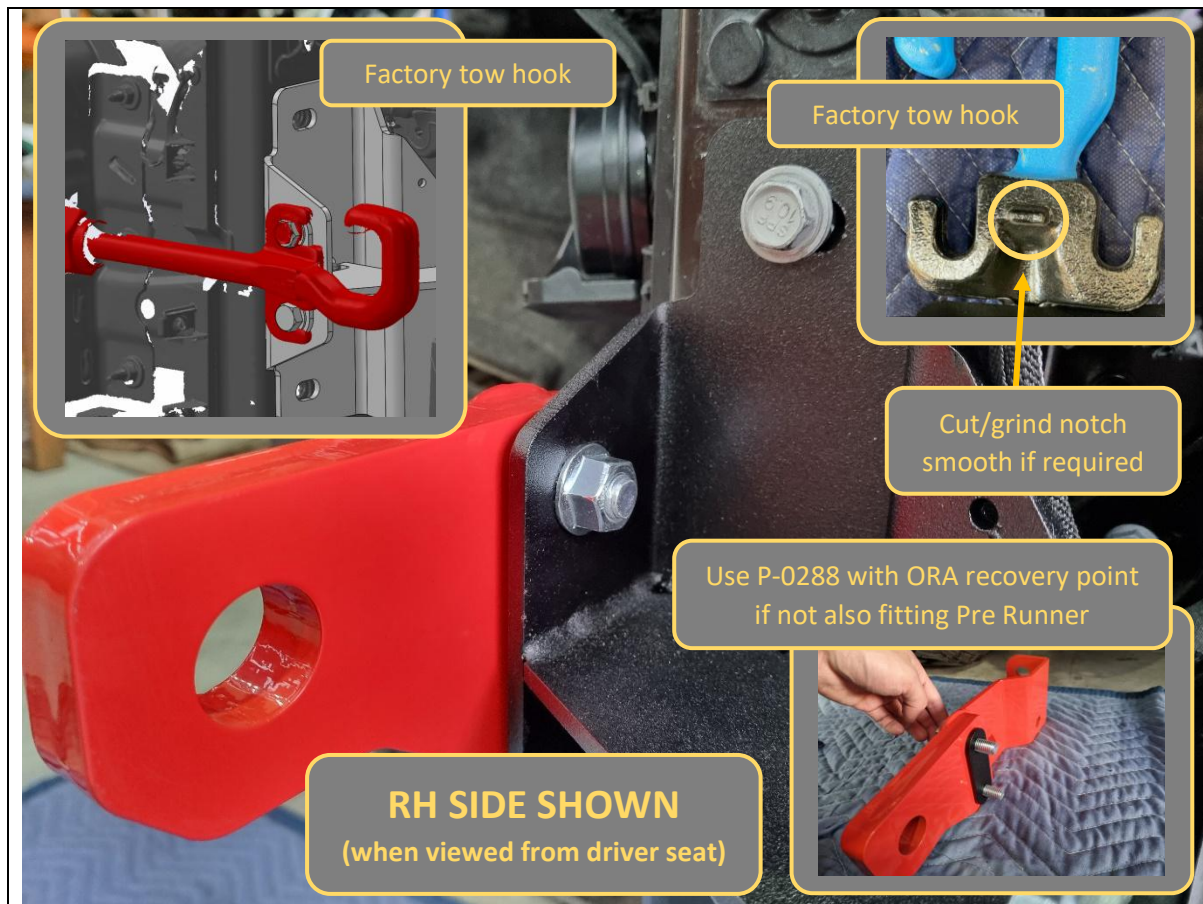


23. Unclip and remove the lower air dams with a flat head screwdriver or trim tool.	TOOLS REQUIRED Flat Blade Screwdriver or Trim Tool
	FASTENERS

	
24. If no recovery points are to be fitted, loosely fit the chassis strap plate to the body by feeding 1x M8 lollipop nutplate through the rectangular hole (see inset) and secure with 1x M8x40 hex head bolt and large flat washer. Leave finger tight.	TOOLS REQUIRED 13mm socket/spanner
	FASTENERS 1x M8x40 hex head bolt 1x M8 large flat washer 1x M8 lollipop nutplate



25. Loosely fit the winch chasis mount bracket to the body and secure with 2x 16mm hex head bolts from Step 19. Leave finger tight. 26. If no recovery points are fitted, secure the chasis mount bracket to the strap plate using 2x M12x30 hex head bolts, flat washers and flange nuts. Leave finger tight under after the cradle is fitted. 27. Repeat for other side.	TOOLS REQUIRED 16mm socket/spanner 18/19mm socket/spanner
	FASTENERS 4x 16mm hex head bolts (retained) 4x M12x30 hex head bolts 4x M12 flat washers 4x M12 flange nuts



28. If recovery points are to be fitted, do this now.

29. For Offroad Animal recovery points, refer to the Recovery Point fitting instructions and secure the winch mount bracket to the recovery point.

Note: Use the supplied P-0288 spacer plate unless a Pre Runner is also being fitted.

30. For factory tow hooks, secure them to the winch mount bracket through the same holes (see inset) using the same 2x M12x30 hex head bolts, flat washers and flange nuts as Step 26.

Note: On early production batches, the winch mount bracket does not account for the notch (see top right inset) on the factory tow hook. Please cut/grind the notch off the factory tow hook to enable flush fitment with the chassis mount.

31. If fitting the Offroad Animal Pre Runner and/or Nudge Bar, now is also the time to fit the mounting brackets through the same holes. Refer to fitting instructions for those respective products for details.

TOOLS REQUIRED

Refer to Recovery Point fitting instructions

FASTENERS

Refer to Recovery Point fitting instructions



32. Fit the winch to the winch cradle using fasteners supplied by the winch. 33. Also fit the hawse fairlead using fasteners supplied by the winch. We recommend fitting the hawse fairlead with extra 12mm thick spacer blocks provided, for a tighter fitting look with the bumper. This depends on the thickness of the hawse fairlead being used. 34. This hidden winch mount will require relocating the winch control box for most winches such as WARN, Runva, Carbon, etc. At least <u>700mm</u> of cable length is required to fit with the control box relocation bracket. 35. Pre-wire the control box to the winch before installing onto the vehicle (not shown in picture).	TOOLS REQUIRED Refer to Winch fitting instructions
	FASTENERS Refer to Winch fitting instructions



36. (OPTIONAL) When fitted with the Offroad Animal Pre Runner steel front bumper, the winch clutch lever can be accessed from below. Refer to winch fitting instructions to flip the clutch lever so that it is poking out through the hole on the bottom of the winch cradle.	TOOLS REQUIRED Refer to Winch fitting instructions
	FASTENERS Refer to Winch fitting instructions



37. Fit the winch and cradle to the winch mount brackets using 6x M10x30 hex head bolts, flat washers and flange nuts.

38. Adjust the winch cradle so that it is centered on the vehicle and there is clearance to the radiator active shutter louvres above. Push the winch cradle as far back until there is around 10mm clearance to the radiator.

39. Tighten all bolts once happy with position.

40. Clip the air temperature sensor back into one of the holes where the upper air dam used to be, and secure the loom to the winch mount with a cable tie.

TOOLS REQUIRED

16mm socket/spanner

FASTENERS

6x M10x30 hex head bolts
6x M10 flat washers
6x M10 flange nuts



41. The winch control box relocation bracket can be fitted to either side of the vehicle.

For 4xe models, there is a pedestrian alert speaker on the RH side which will interfere with the relocation bracket.

42. The horn bracket will need to be bent upwards and out of the way. This can be done by hand.

43. Fit the bracket to the same 2 holes that the winch mount bracket bolts to the strap plate / recovery point. Reuse the same fasteners.

TOOLS REQUIRED

18/19mm socket

FASTENERS



44. Fit the control box relocation support brace to the bottom flange of the relocation bracket and to the hole with the M8 lollipop nutplate used in Step 24 (see circled inset photo, recovery point is fitted in this example).

Use 2x M8x20 hex bolts, flat washers and flange nuts to secure to the relocation bracket, and reuse the existing M8 bolt and lollipop nutplate for securing to the frame.

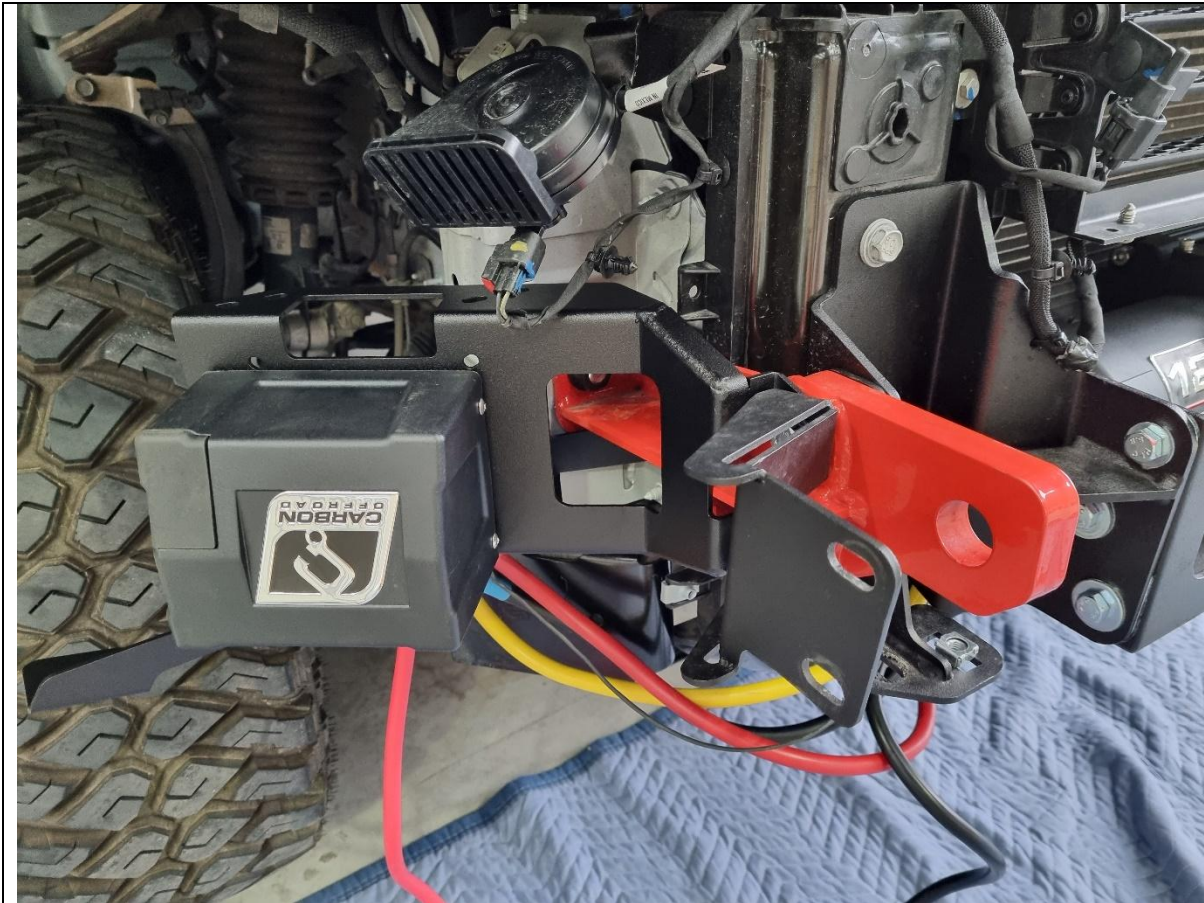
45. For Pre Runner, there is an additional wing brace bracket supplied. Refer to Pre Runner instructions for fitment.

TOOLS REQUIRED

13mm socket/spanner

FASTENERS

2x M8x20 hex head bolts
2x M8 flat washers
2x M8 flange nuts



46. Bolt the winch control box to the relocation bracket using any of the mounting hole/slot configurations provided on the bracket. (Nudge Bar mount, Pre- Runner mount and Recovery Point all shown in this photo)
47. The relocation bracket has been designed to suit WARN ZEON, WARN VR EVO, Runva and Carbon winch control box brackets. There are additional slots that may suit other control boxes but have not been confirmed by Offroad Animal.
48. Route winch cabling in a neat manner and finish rest of winch install.

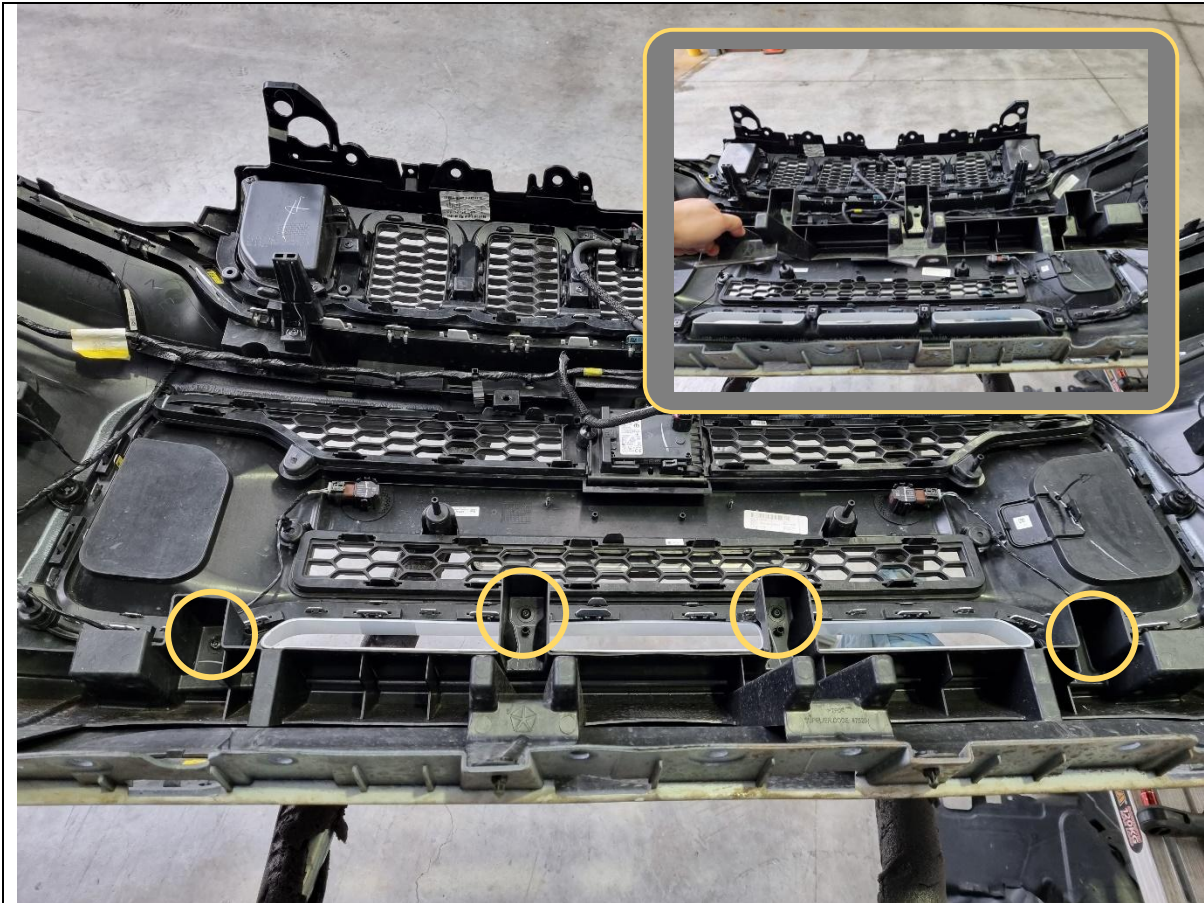
TOOLS REQUIRED

Refer to winch fitting instructions

FASTENERS

Refer to winch fitting instructions

 LH SIDE SHOWN (when viewed from driver seat)	
49. The bumper will need to be trimmed to fit around the hawse fairlead and clear the winch cradle. 50. It is easiest to separate the lower half of the bumper from the main section for trimming. 51. Undo the T20 Torx screw on either side of the bumper where the flare ended. 52. Overland models only. Unclip the 4x plastic push rivets holding the plastic inner support to the lower edge of the bumper (see inset photo).	TOOLS REQUIRED T20 Torx driver Trim tool or Flat blade screwdriver
	FASTENERS 2x T20 Torx screw 4x Plastic Push Rivets Retain for reassembly



53. **Overland models only.** Remove the 4x T20 Torx screws holding the plastic inner support to the bumper.
54. **Overland models only.** Remove the plastic inner support.
55. On some vehicles, they may be a foam impact absorbing beam attached the bumper. If present, remove and discard.
56. Some vehicles may have a number plate plinth on the outside. If so, remove and set aside prior to cutting.

TOOLS REQUIRED

T20 Torx driver

FASTENERS

4x T20 Torx screws

Retain for reassembly



57. Unclip the lower half of the bumper from the main section.

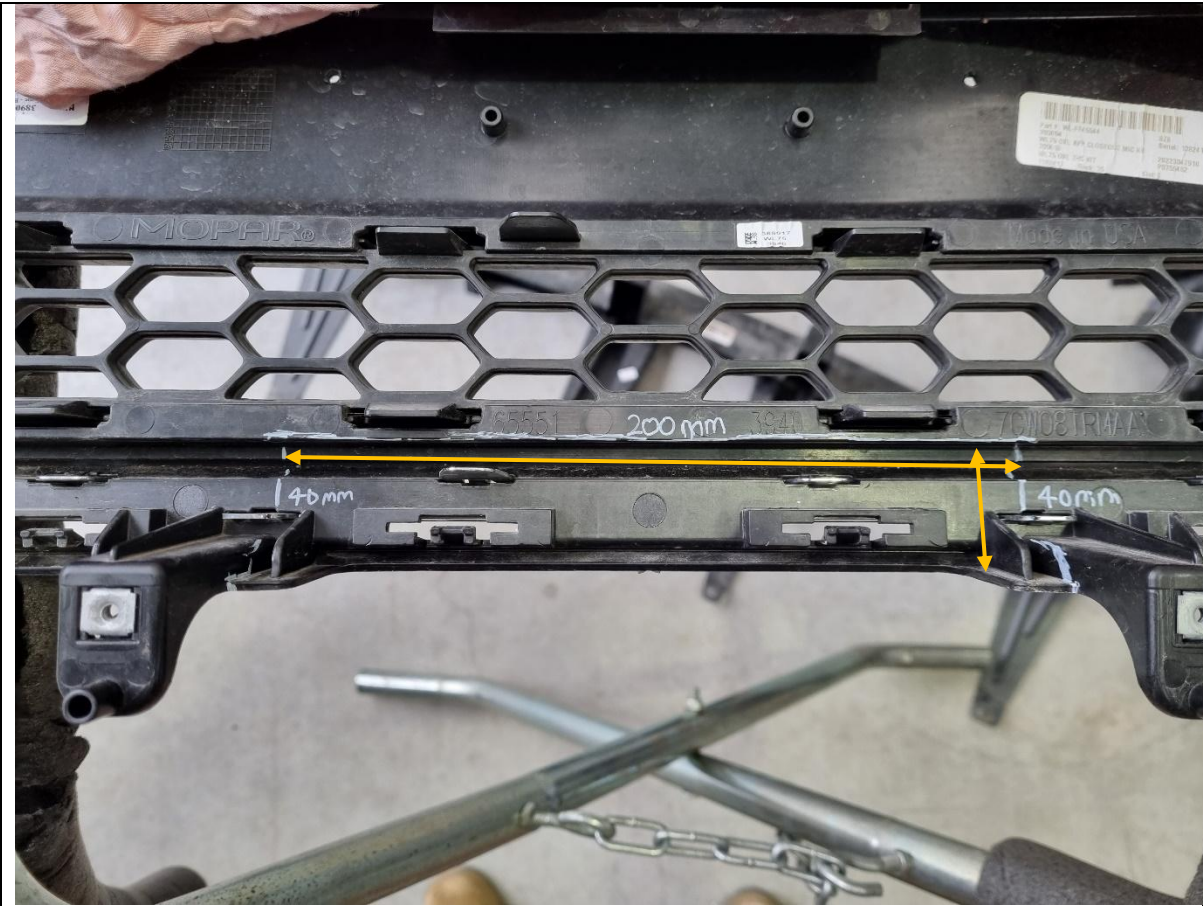
There are multiple clips securing this lower half. Use a flat blade screwdriver to trim tool to carefully pry and release the clip tabs.

58. If fitting an Offroad Animal Pre Runner this lower half can be discarded. Ignore any further steps in this fitting instruction that relate to this lower half bumper section.

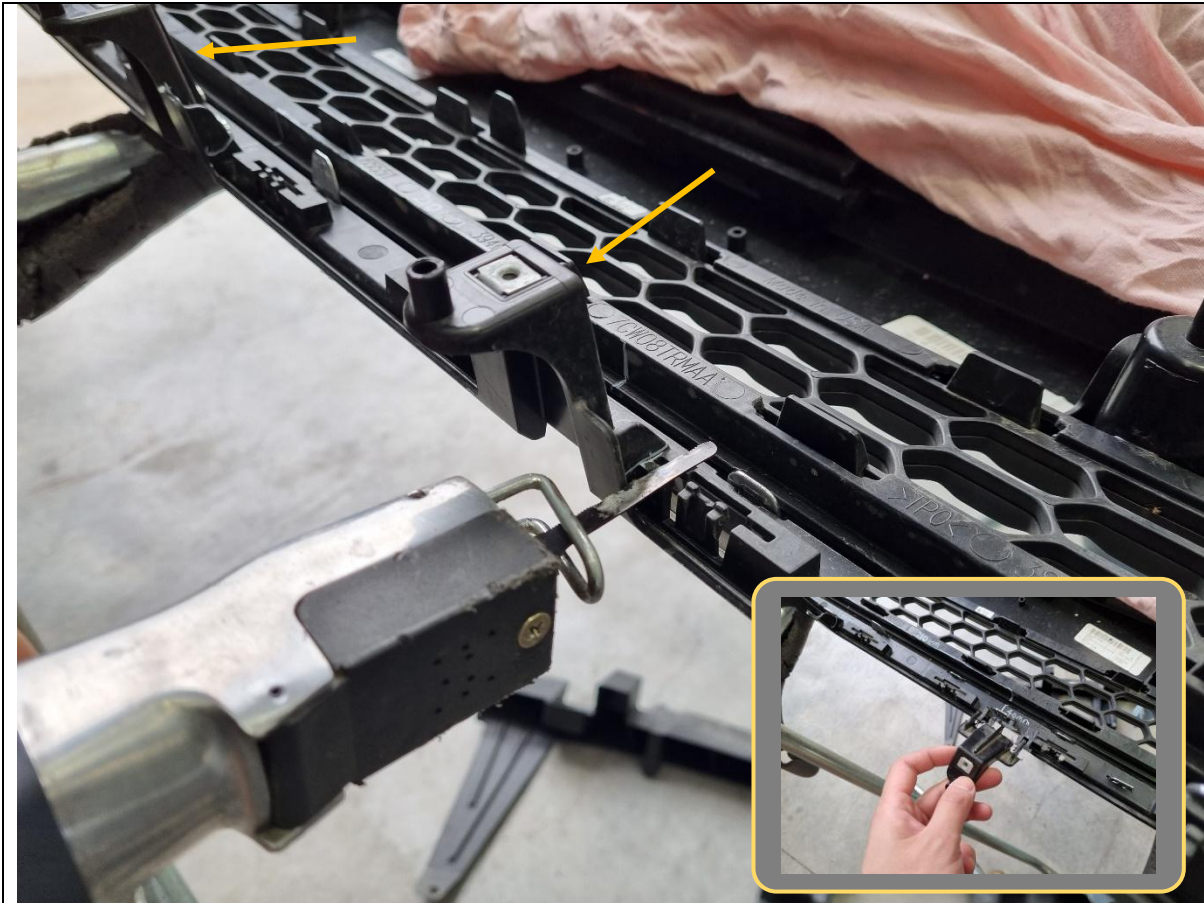
TOOLS REQUIRED

Trim tool
or
Flat blade screwdriver

FASTENERS



59. The shape of the cutout for the hawse fairlead will depend on the type and brand of hawse fairlead being used. 60. It is best to perform the cut iteratively to achieve a perfect fit. 61. Begin by marking out the bumper with a 200mm x 40mm rectangle as shown.	TOOLS REQUIRED Marker pen or Masking tape
	FASTENERS



62. Protect any radars/sensors with a rag before trimming.

63. **Overland models only.** Using an air hacksaw or other cutting tool, cut off the 2x tabs as shown.

TOOLS REQUIRED

Air hacksaw or similar

FASTENERS



64. Using an air hacksaw or other cutting tool, cut out the previously marked rectangle area. 65. If fitting recovery points and there is no pre-existing cutout in the bumper, also perform the cut now (see inset photo). Refer to recovery point fitting instructions for details.	TOOLS REQUIRED Air hacksaw or similar
	FASTENERS



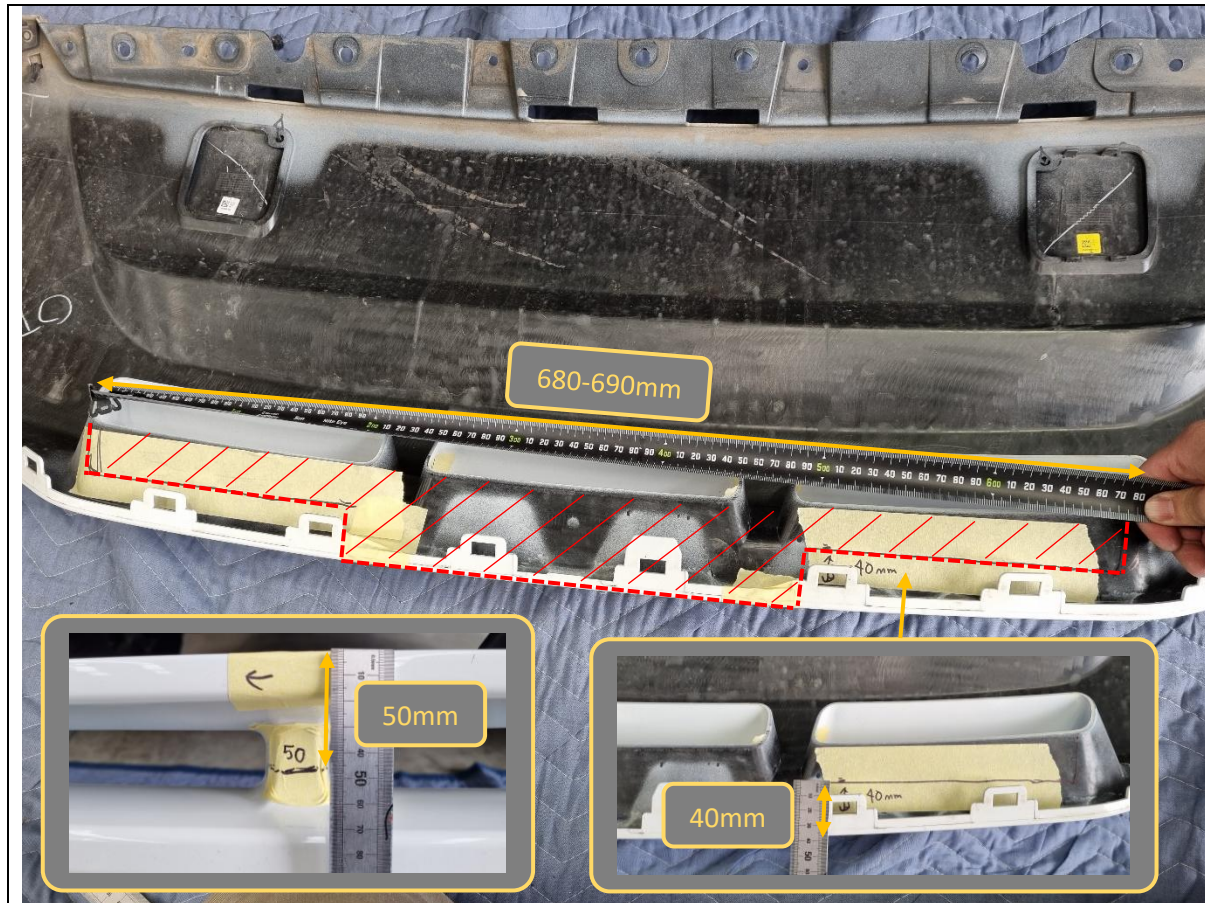
66. Fit the bumper back onto the vehicle. 67. Use the mounted hawse fairlead as a guide to make a precise marking on the bumper.	TOOLS REQUIRED Marker pen or Masking tape
	FASTENERS



68. Remove the bumper and perform further cuts until it matches the hawse fairlead nicely.	TOOLS REQUIRED Air hacksaw or similar
	FASTENERS



69. Hold the lower half bumper section to the vehicle and mark out where material needs to be removed for the hawse fairlead and cradle. Some rough measurements are shown on the next page. They may differ depending on the exact positioning of the cradle.	TOOLS REQUIRED Marker pen or Masking tape
	FASTENERS



In top view, the overall width of the cutout must be 680mm+ to clear the cradle.

In front view (left inset), the two vertical members need to be trimmed 50mm below the top surface to clear the cradle.

In top view (right inset), the top surface of the two outer openings needs to be trimmed from 40mm behind the front surface to clear the cradle.

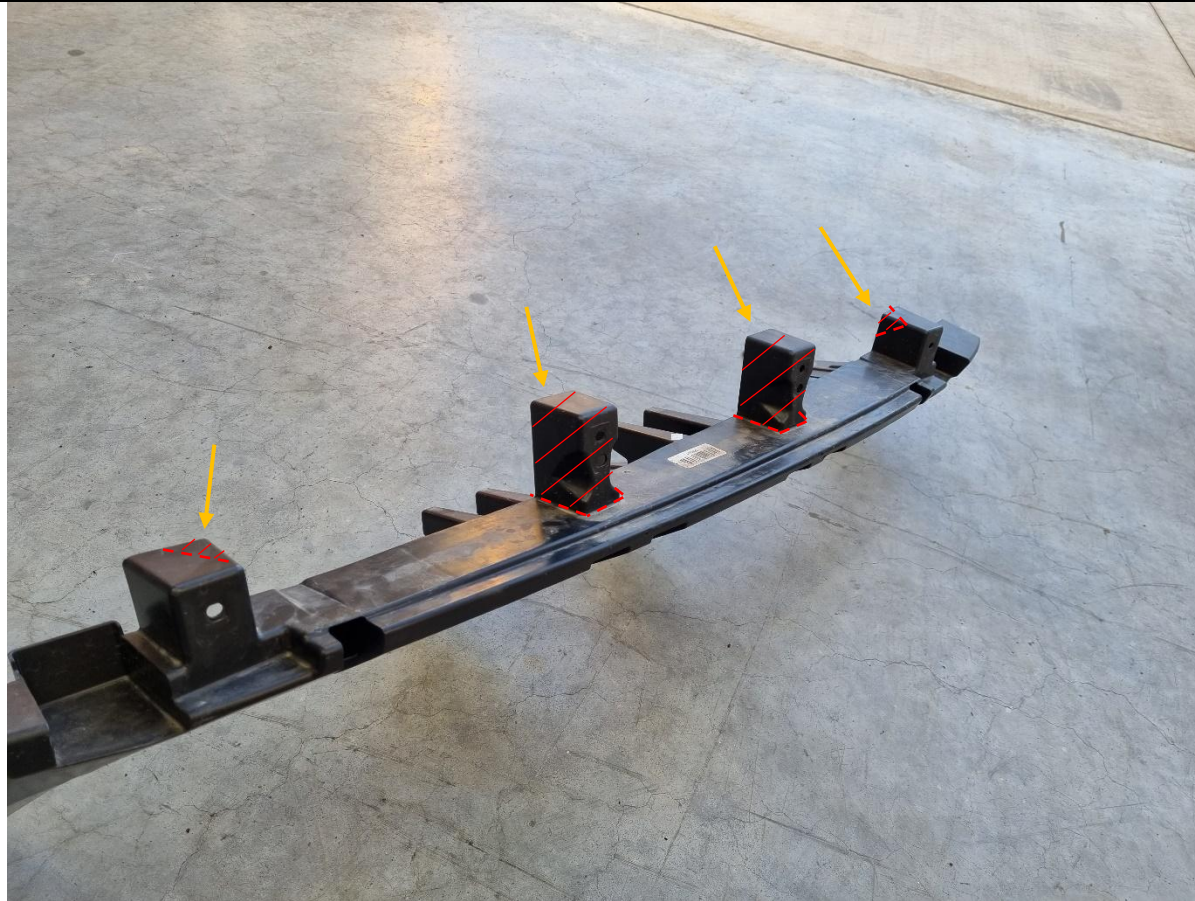
70. Cut out the red hashed section with an air hacksaw or other cutting tool.

TOOLS REQUIRED

Marker pen
or
Masking tape

Air hacksaw or similar

FASTENERS



71. **Overland models only.** Cut off the middle two vertical posts on the plastic inner support.

72. **Overland models only.** Also cut off the corners on the inside face of the two outer vertical posts as shown.

TOOLS REQUIRED

Air hacksaw or similar

FASTENERS



73. Reassemble the main bumper section, lower half and plastic inner support (Overland models only) back together using the original fasteners.

TOOLS REQUIRED

T20 Torx driver

FASTENERS

4x T20 Torx screw
4x plastic push rivet



74. Refit the fully trimmed bumper back onto the vehicle. Reconnect all looms and washer hose lines. Then refit flares, inner wheel guards and radiator covers in reverse order to disassembly. 75. Refit the number plate back in its original position, or with the optional Offroad Animal number plate flip bracket.	TOOLS REQUIRED
	FASTENERS



Congratulations! You're done! Head for the tracks and enjoy the ability to self-recover when you get in a tricky situation.

Why not complete the tough look of the Grand Cherokee with the Offroad Animal Pre Runner, Recovery Points and Nudge Bar?