



FITTING INSTRUCTIONS

Part Number: **3450460**
Product **DELUXE BAR – EXPORT ONLY**
Description:
Suited to **2018 ON JL WRANGLER 2 AND 4 DOOR MODELS**
vehicle/s:

WARNING

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	TORQUE WRENCH(ES) 9 -> 120Nm
GRINDER WITH CUTTING DISK	MARKING PEN
BLACK TOUCH UP PAINT	300MM RULE AND TAPE MEASURE
MASKING TAPE	LOW TACK PLASTIC SHEETING
SPIRIT OR DIGITAL LEVEL	TORX SET

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	44Nm	32lbft
M12	77Nm	57lbft
3/8"	44Nm	32lbft

PARTS LISTING

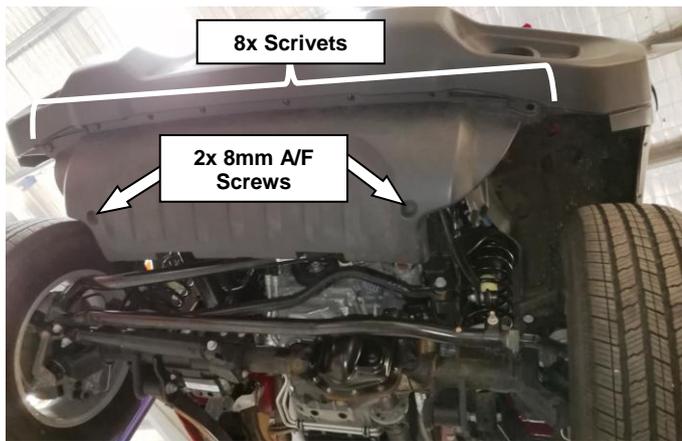
APPLICATION.	PART NO.	QTY	DESCRIPTION
FIT BAR, RECOVERY POINTS, FAIRLEAD & WINCH	4654488	1	ASSY WELDED 3450460 JL
	4654472R	1	RECOVERY POINT RH JL
	4654472L	1	RECOVERY POINT LH JL
	4654471	1	WINCH CRADLE ASSEMBLY
	6151456	8	BOLT HEX HD M10 x 1.5 x 45
	4584345	8	WASHER M10
	6151443	2	BOLT BTN HD M6 x 20 BZ
	6151715	2	CAGE NUT M6
	6151357	2	BOLT SEMS M10 x 30
	6151321	2	NUT FLANGE M10
FIT LICENSE PLATE	3750425	1	BRKT NUMB PLATE (NON-WINCH)
	3750433	1	BRKT NUMB PLATE MOUNT (WINCH)
	3750432	1	BRKT NUMB PLATE SUPP (WINCH)
	6151443	5	BOLT BTN HD M6 x 20 BZ
	5848302	2	PACKER RB NYLON
	6151173	5	NUT FLANGE M6
	6151223	2	NUT NYLOC M6
	6151459	2	BOLT BTN HD M6 x 16 BZ (TO SECURE LICENCE PLATE)
FIT UNDER PANEL	6523235	1	UNDER PANEL JL STUBBY
	6151307	6	BOLT BTN HD M8 x 20
	6151548	6	NUT FLANGE M8
FIT COVER PANEL (NON-WINCH)	6523234	1	COVER PANEL JL
	6151443	6	BOLT BTN HD M6 x 20 BZ
	6151173	6	NUT FLANGE M6
FIT WING PANELS	6523302R	1	WING PANEL RH
	6523302L	1	WING PANEL LH
	6151433	8	BOLT BTN HD M6 x 20 BZ
	6151300	8	CAGE NUT M6
FIT FOG LIGHT BRACKETS	3752436R	1	LED FOG BRKT RH
	3752436L	1	LED FOG BRKT LH
	4581075	4	WASHER M8
	6151548	4	NUT FLANGE M8
	6151307	4	BOLT BTN HD M8 x 20
	6151254	8	SCREW PAN HD M4 x 20
	6151404	8	NUT FLANGE M4
MISCELANEOUS	180302	10	CABLE TIE 4.8x200MM
	2125484	2	WARNING LABEL RECOVERY
	211512	1	OPERATOR INSTRUCTION CARD

**ASSEMBLY SEQUENCE FOR BULL BAR INSTALLATION.
PLEASE READ AND UNDERSTAND FITTING INSTRUCTIONS BEFORE
ATTEMPTING TO THE FIT BAR AND ACCESSORIES TO THE VEHICLE**



1. To fit the bull bar to the vehicle, the plastic bumper and associated hardware must be removed from the vehicle.

TIP: Apply a sheet of low-tack across the front of the vehicle's grille to avoid marking the vehicle.



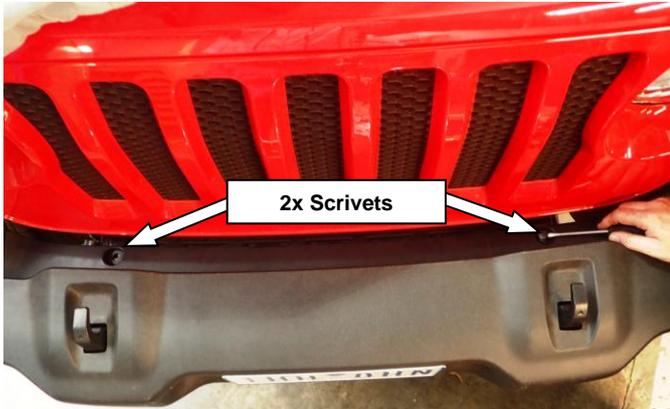
2. Remove 2x 8mm A/F Self Tapping Screws from the plastic Splash Panel below the Bumper.
Remove 8x Scrivets from the Splash Panel.
Remove the plastic Splash Panel from the vehicle and discard.



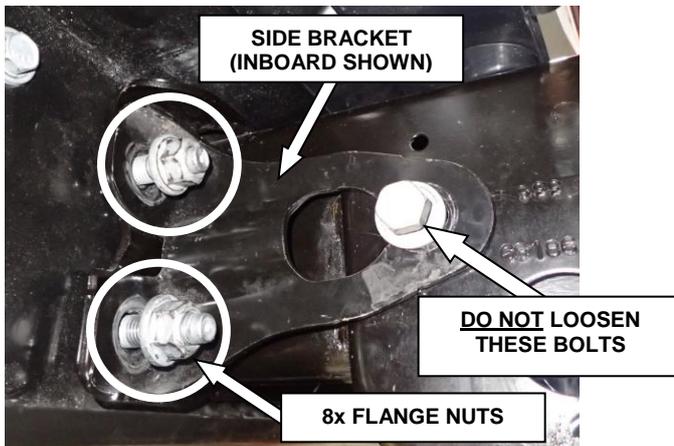
3. Remove 2x M10 SEMS from the steel front panel and discard.



4. Disconnect fog light harness, located on the RHS chassis rail, access from inside wheel arch. Leave disconnected.



5. Remove 2x scrivets from top of bumper with flat bladed screw driver and discard.

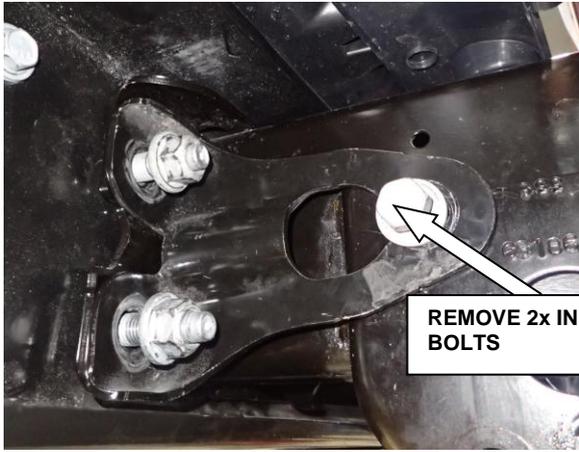


6. Remove and discard 8x flange nuts from behind front bumper (4x RHS and 4x LHS).
7. Leave the 4x OE Chassis Side Support Brackets and fasteners in place. (2x RHS and 2x LHS).



8. Remove OE Bumper and integrated steel impact beam from vehicle and discard.

Note: Retain fog lights & harness



REMOVE 2x INNER BOLTS

FOR WINCH FITMENT ONLY:

9. Remove and set aside 2x bolts located on inside of RHS & LHS chassis rails.

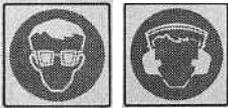
FOR WINCH FITMENT ONLY:

10. ***If fitting a winch***, measure the distance “X” between the centre of the nearest winch mounting hole to the end of the housing. If this distance is greater than 172mm then a notch in the chassis flange must be cut.
11. Ensure that the winch gearbox handle is positioned to the top.
12. Warn Zeon Winch shown.

Important Note: For Early Model Warn Zeon winch with 180° clutch handle lever, order retro fit kit (PN#100240 Warn) for 90° Zeon clutch lever kit and install

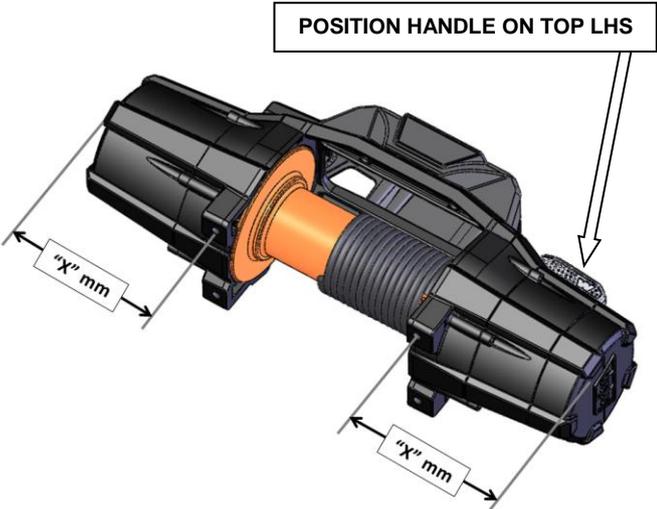
FOR WINCH FITMENT ONLY:

13. ***For Warn Zeon Winch;***
 - a. Mark local sections 10 wide x 10 down from the top inboard mount plate corners. Check that the overall width is 620mm centred across both RH and LH mounts.
 - b. Carefully cut the two marked sections through both the front Chassis Mount Plate and assembled inboard Chassis Side Support Bracket using an angle grinder and cutting disc taking care not to cut into the top inboard mount holes.

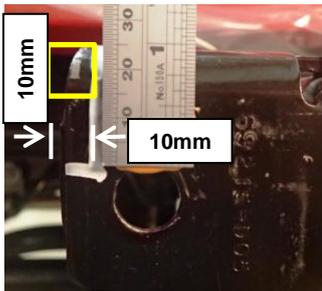


WARNING: Drilling & cutting operations can result in flying debris. Eye and ear safety protection should be worn.

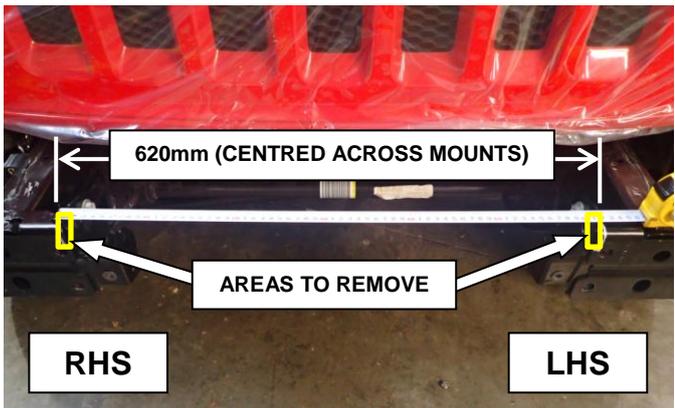
- c. Clean up any sharp edges or burs with a file.
- d. Apply black spray paint to cut edges to prevent corrosion.



LHS SHOWN



LHS SHOWN



FOR WINCH FITMENT ONLY:



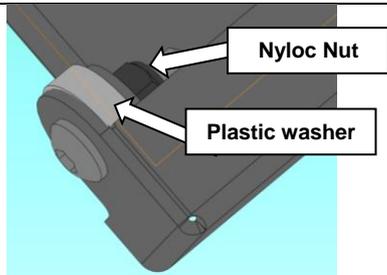
14. Rest winch cradle onto chassis end plates utilising hooks as shown.
15. Using bolts set aside in step 9, loosely fasten winch cradle to chassis.

FOR WINCH FITMENT ONLY:

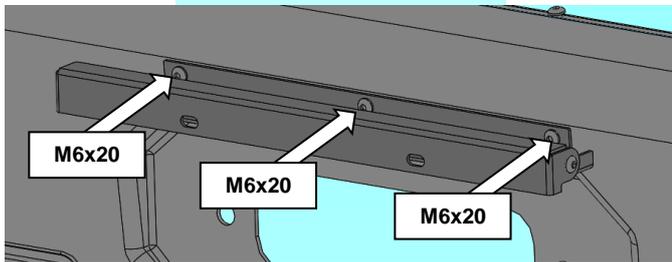


16. Install 4x Winch Nuts (2x Front and 2x Back) inside the mount feet of the Winch.
17. Position winch onto cradle and fasten using 4x Bolts supplied with winch.

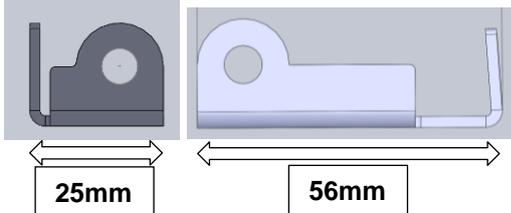
Note: Please consult your winch installation guide for further information in regards to wiring and fastener torque settings.



18. Assemble the pivoting License Plate Bracket sub-assembly as shown using the M6x20mm hardware provided. Ensure that it is not overtightened so that it may pivot with a reasonable amount of friction.
19. Secure assembly to bar using the M6x20mm hardware provided.



 **M6 - 9 Nm.**



NOTE:

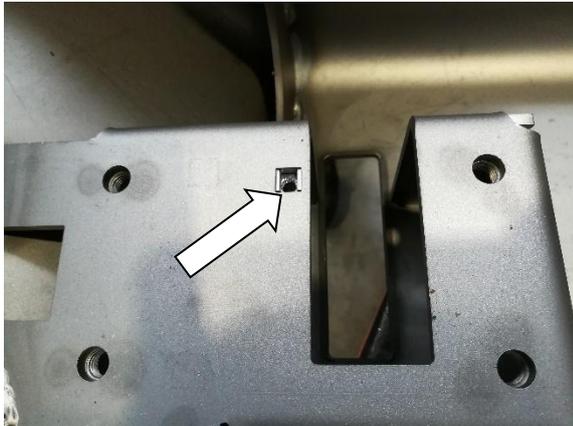
If fitting a roller fairlead use longer fixed bracket (56mm).
If fitting a hawse fairlead or not fitting a winch use shorter fixed bracket (25mm).



FOR WINCH FITMENT ONLY:

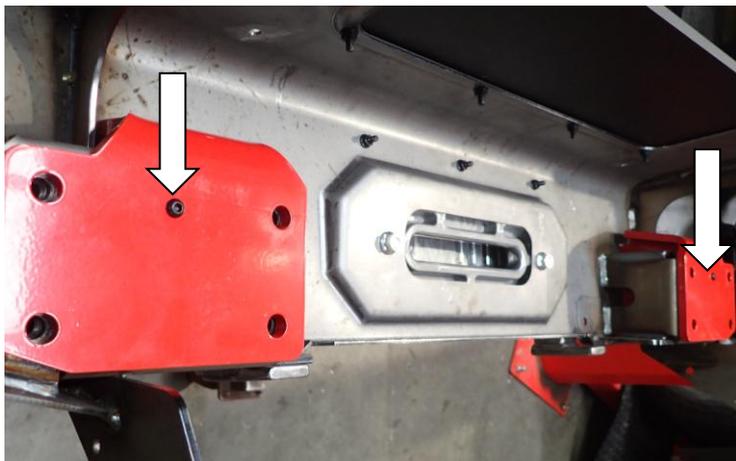
20. Install Fairlead using M10 hardware provided. (*Roller Fairlead* type shown here)

 **M10 - 44 Nm.**

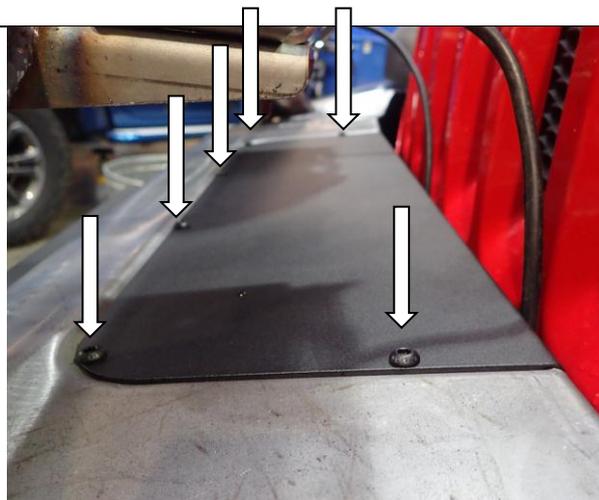


21. Fit 2x M6 cage nuts to mounts.

LHS SHOWN – RHS OPPOSITE



22. Secure recovery points to bar using 2x M6x20mm button head bolts.



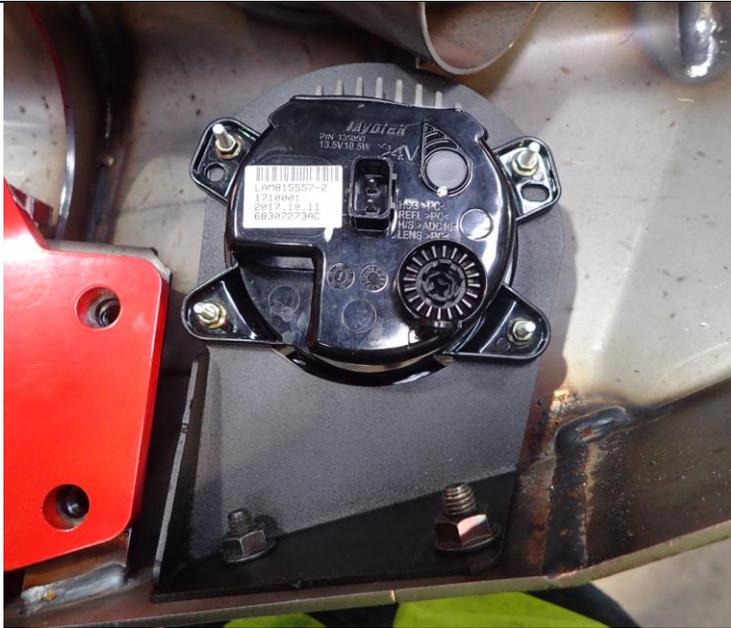
FOR FITMENT WITHOUT WINCH ONLY:

23. Secure cover panel to bar using 6x M6 hardware provided.



24. Loosely install front of fog lights to rear of mounting brackets using M4 fasteners supplied with fitting kit.

RHS SHOWN – LHS OPPOSITE



25. Loosely fit fog light assembly to bull bar using M8 fasteners supplied.

LHS SHOWN – RHS OPPOSITE



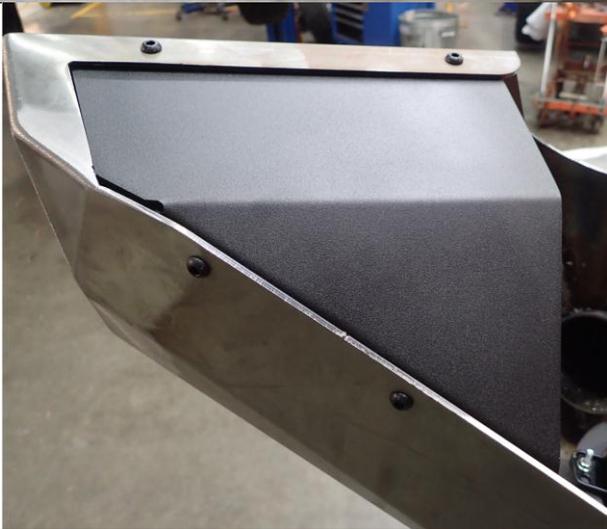
26. Adjust fog light so that it sits central to the fog light aperture in the bull bar. Tighten hardware to torque specification.



M8 - 22 Nm.



27. Fit 4x M6 Cage nuts to the inside of each wing panel.

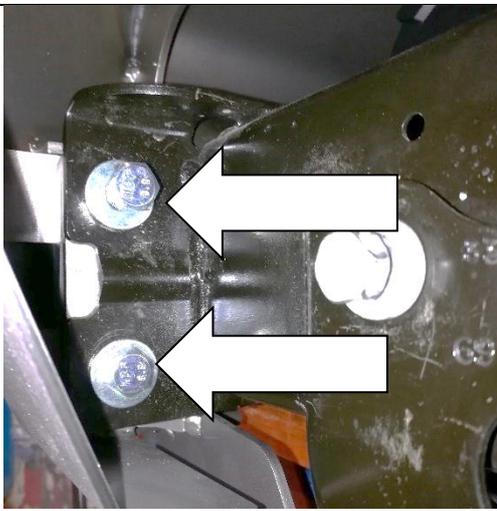


28. Fit wing panels to bar using M6x20mm hardware provided. Torque to specification.

 **M6 - 9 Nm.**



29. With the assistance of a second person and/or height adjustable trolley, carefully position the bar in front of the chassis mounts, taking care to route any winch or other accessory cables around obstacles and clear of the chassis mounting faces.



LHS SHOWN – RHS OPPOSITE

30. Secure bar to mounts using 8x M10 hardware provided.
31. Tighten OE bolts that were loosely fastened in STEP 15 securing winch cradle (WINCH FITMENT ONLY).
32. Reconnect fog light harness which was disconnected in step 4.

 **M10 - 44 Nm.**



33. Fit under panel to outside of uprights using 6x M8 button head bolts and flange nuts provided.

 **M8 - 22 Nm.**



34. Fit number plate to number plate bracket using 2x M6x16mm hardware provided.

 **M6 - 9 Nm.**



35. Fit recovery point decals to under panel directly below recovery points as shown.

FITTED PRODUCT

ONCE BAR IS FITTED:

- ◆ Ensure all bolts are tensioned correctly.
- ◆ All wiring is clear of sharp edges or moving surfaces and is secured properly.
- ◆ Any piping is secured well clear of sharp or moving components.
- ◆ Check operation of winch if fitted.
- ◆ Check all wiring and connections to fog lamps etc. are functioning correctly.

