



SHORELINE 4X4 INSTRUCTIONS

EXTREME SERIES BULLBAR

1. Auto electrical work should be carried out by a competent person. Vehicle wire colours are listed as a guide only and may vary on some makes and models.
2. The function of each wire should be checked before any connections are made.
3. All wires tapped into should be soldered and then insulated with electrical tape or heat shrink.
4. Grounding/Earth points must always be connected to the factory grounding points, not to the battery negative terminal. See owner's manual.
5. Using only a LED test light, test all electrical components of the vehicle before and after wiring.
This is to ensure everything works correctly.
6. the installation of large or light-coloured antennas or aerials to the front of a bull bar as this may cause the lane departure system to malfunction.

Only a competent person should perform accessory installations. It is the responsibility of this person to ensure correct fitment.

- Whilst working on this vehicle, always use appropriate safety equipment.
- Read and understand instructions fully before commencing fitment.
- Check the hardware supplied against the contents list on the following pages.
- Do not use this product for any vehicle make or model other than specified in these instructions.
- This product and or hardware must not be modified in any way. Do not remove labels from this product.
- Recording the batch number on the customer's job card is good practice for future reference, or complete the information below and file with customer job card.

Care

- To maintain the finish of the product, wash regularly using a PH neutral car wash, hose off and chamois dry.
- Do not use acidic or alkaline cleaners.
- Plastic components can be maintained with a silicone spray or similar (non-acidic or alkaline based).
- Ironman 4x4 recovery points are FEA tested during design and destruction tested during development
- to establish the Working Load Limits (WLL).

- recovery points have been designed as a matching pair, supplied as right and left sides for vehicle-specific fitment.
- Do not use this recovery point for any other vehicle make or model other than the one intended.
- Do not alter or modify the recovery point in any way. Doing so may compromise the strength and integrity of the recovery point.
- **It is advised to use an equalising or bridle strap. Failure to do so correctly can result in recovery point fatigue or bending and void your warranty.**
- Never use a single recovery point combined with a side load pull.
- Recovery Points are designed for a straight-line pull, by pulling on an angle or sideways pull may result in a reduction of the WLL.



Shoreline 4x4

Extreme Series Bullbar X-1

- 1) Remove the existing Bumper from the retaining clips located around the wheel arch and bonnet, in some models lower section may pot rivot on, remove and make sure neat with nothing protruding.



- 2) Install the cradle onto the chassis rail ends. Bolts should be finger Tight as you need to align the bulbar later. **Ensure reinforcement bracket is installed first**



- 3) We recommend you bolt on cradle finger tight enough so you can move the cradle left to right if you need too. Use 10-15mm foam (clark rubber) or cardboard of equal depth and tape to the bulbar where bar meets guards, use a tape which does not affect the paint. See images below typical image



This will create an even gap on both sides, vs trying to align 1 side at a time. We also recommend using same foam under the head lights to maintain the correct gap

Remove side gaurd retainers and cut off 2x threaded studs. see image A

SIDE GAURD HELD IN BY 3 BOLTS, FOR PERFECT FIT YOU CAN SPACE GAURD OUT WITH WASHERS.

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You may wish to install Neoprene (CR) self adhesive tape 12mm Black or rubber bulb pinch weld on your bar to create flush sealed look. Rubber pinch weld available from clark rubber or our website.

- 4) At this point with everything loose do a quick line up with foam in place. Once the bar is aligned left to right you can tighten the cradle. At this point install all the bolts loose into slots. If you have a helping hand have them hold bar in place while you tighten the middle bolt only to about 70% this will allow you to tilt the bar back or forth to bring it into line with the guards. It also has some play up and down if needed.

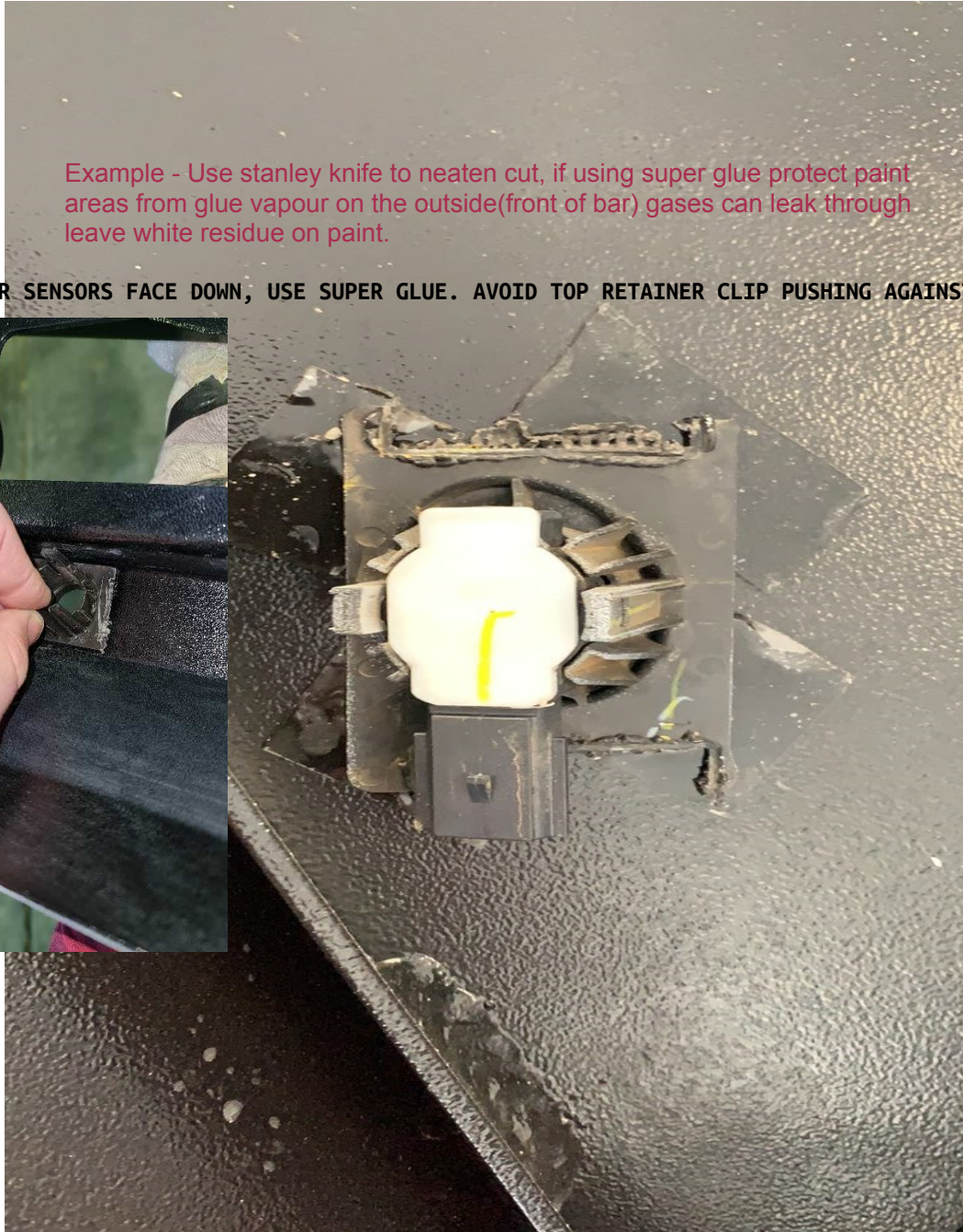


EXTREME SERIES XI

- 5) The black inner guards need to be trimmed to suit the profile of the bulbar and be secured in place, so they do not move around.
- 6) The sensors are removed from the old bumper and either double side tape to new bulbar or Sikaflex in place as below. Ensure you keep same locations and orientation

Example - Use stanley knife to neaten cut, if using super glue protect paint areas from glue vapour on the outside(front of bar) gases can leak through leave white residue on paint.

LOWER SENSORS FACE DOWN, USE SUPER GLUE. AVOID TOP RETAINER CLIP PUSHING AGAINST METAL



- 7) Finally make sure you secure the grille back into place so it can not flap around by cable tying the grille to nearest support firmly. Depending on what

NOTE : SENSORS SHOULD FACE FORWARD AND LEVEL OR SLIGHTLY DOWN. NOT UP & INWARDS. YOU MAY NEED CHECK ORIENTATION OF SENSORS, IF CAN DIFFER FROM FACTORY POSITIONS.

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model winch you have you may need to cut grille to suit the winch profile as the grille hangs below the bar line.

- 8) You may also wish to install “Neoprene (CR) self adhesive tape 12mm Black” available from Clark rubber in between the bar and the guards to create a flush look.
- 9) If you are wiring up fog lights, ensure you use appropriate clips and connectors suited for purpose if your model does not come standard with fog lights you will need to run separate harness.
- 10) Depending on how you aligned the bulbar when installing your bash plate you may find it few mm out, you can attempt to realign bash plate or elongate holes and reseal the paint. The Bash plate wedges under the factory tow points, loosen the tow points to fit bash plate then ensure you retighten.



if you have plastic gaurd covering bash plate location trim as shown.

Alignment

The bulbar has slotted holes which allows the bar to be adjusted forwards or backwards on either side. If you have done without foam and have 10mm gap on the left side and 6mm gap on the right side the bar should be repositioned to create an even 8mm gap on both sides.

Pinch Weld & Movement.

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You may prefer to fill the gaps between bar and guard with pinch weld (not supplied) Available from clark rubber or online you can purchase 1m bulb type pinch weld for approx. \$12 per meter. If you have heavy loaded 4wd, eg canopy or tools you may find your body moves far more than standard tub and that your bar needs to be positioned further away from the guards, in this case the use of pinch weld may suit your needs to give the continuous look

Paint Protection

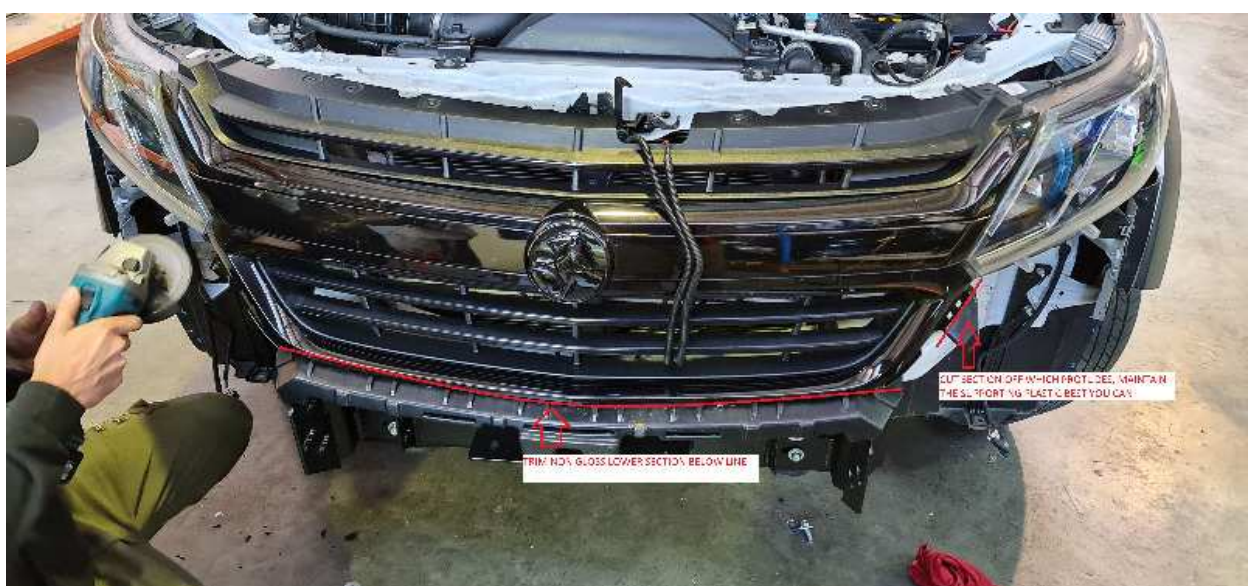
If you have purchased a colour coded bulbar, you must keep in mind the paint is fresh, while it is 2pac painted and baked the coating takes several weeks to fully cure and harden, in this time you should minimize the amount of debris which can strike you bar. If you do get stone chips later in time you can purchase paint matched pens from super cheap for approx. \$34. Its critical you maintain and look after your bar by touching up stone chips then light buff to blend in. If you have any questions about your install, please email sales@shoreline4x4.com.au. Please do not use high pressure hose directly on the paintwork.

Z71 VARIANTS

FLARES - PLASTIC FLARES WHICH ARE WIDER THAN THE BAR BY APPROX 15MM. WE RECOMMEND YOU CUT FLARES TO SUIT END OF METAL FLARE. FLUSH FLARES SAME. FLUSH WITH END OF CAR GAURD.

BASH PLATE FACTORY - 2 TYPES PLASTIC AND METAL. IF YOU HAVE METAL YOU CAN MARK HOLES IN THE BULLBAR BASH PLATE TO LINE UP WITH THE METAL BASH PLATE HOLES. IF YOU HAVE PLASTIC SPLASH GAURD YOU CAN TRIM BACK EXPOSE THE ORIGINAL FACTORY HOLES.

GRILL - WHERE NON GLOSS PARTS ARE LEFT ON THE GLOSS GRILL YOU MUST TRIM OFF



- 1) TRIM GREY PLATIC OFF BELOW CURVE LINE.
- 2) TRIM PROTRUDING RIGHT/LEFT ENDS UNDER HEADLIGHT, MAINTAIN GRILL SUPPORT BEST YOU CAN