



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 INSTRUCTIONS BT50 2021 ON
EXTREME SERIES BULLBAR**



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1. With the bar unwrapped, you're ready to remove the grill.



Various clips on the top of the engine bay area, Screw behind the logo, screws under the plastic flap shown in the image. Various bolts under the car. Remove the retainers holding the inner plastic arch to get access to inside and remove the bolts holding plastic bumper to car.

Disconnect the park sensor harness and lights.





2)



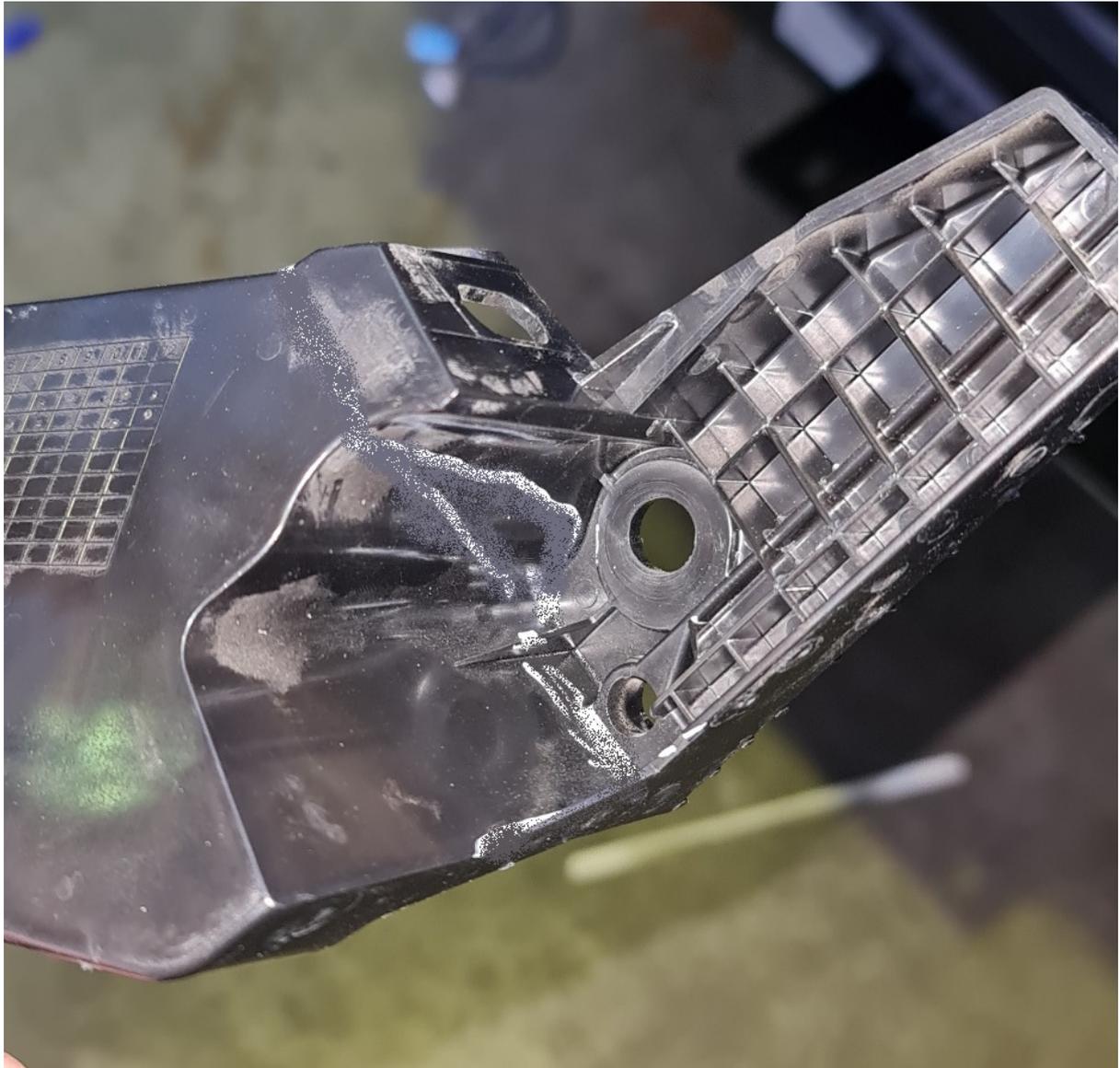
The bullbar comes with chassis reinforcement collars, install these before installing the main winch cradle. The collars go on finger tight.



If you are installing a winch you will need to cut the grill to suit your winch height. Install bolts finger loose so you can move bar left to right and back forth(tilt)

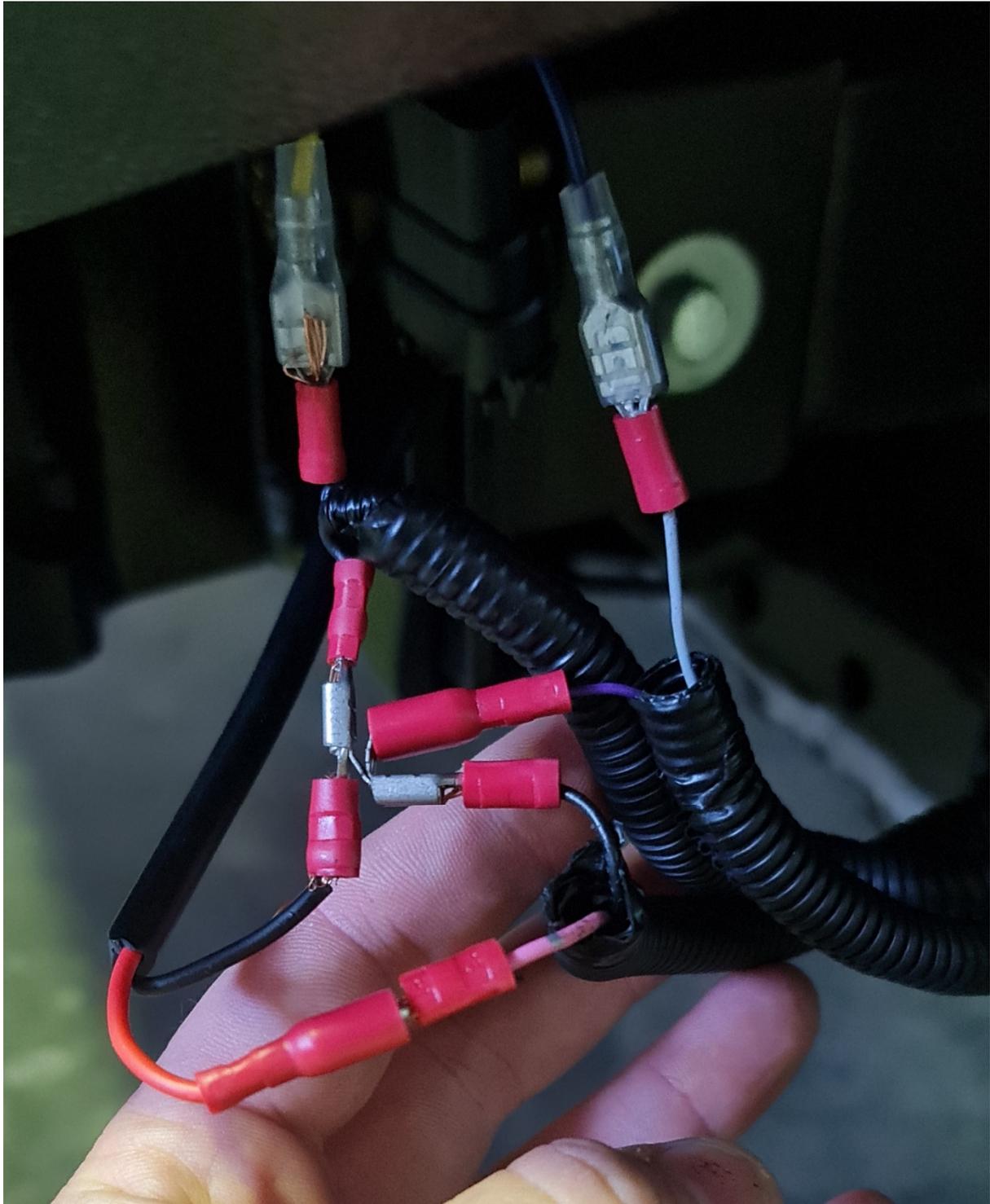
Install with 15mm gap or purchase 19mm rubber side pinch weld if you prefer no gap. You cant install pinch weld after the bar is installed.

3) The plastic retainers under the head lights need to be reinstalled, they need to be cut in such a manner they support headlight but avoid contacting the bulbar.



4) Park Sensors – Remove old glue/ double sided tape from sensor or twist out depending on model. Glue into new bullbar or twist lock depending on model. Secure park sensor harness to back of bulbar ribbing with cable ties. Important sensor harness is supported to avoid park sensor false alarms.

5) Light Wiring – The Provided LED comes with a halo indicator, Wiring is required by installer or customer to enable correct function. Negative piggyback spade connectors sharing the negative between provided LED. See image example (unfinished) NOTE : LED LOAD RESISTORS maybe required if you get camera not available error, typically on the fog light circuit.



6) Align bulbar with 2 persons maintaining finger to thumb gap on both sides of the car between headlights and guards.

7) Install fog light inserts generally installed after bar is aligned, you can gain access to cradle bolts through cutout in the bar where metal fog lights insert.

8) Mark and cut the guards to suit the profile of the bar and tuck guard into bulbar. Secure any other loose parts of inner guard with cable ties back to cab.

9) install bash plate back to cross member.



Install Number plate and done.