

Part Number:3670010ProductSUMMIT REAR STEP TOW BAR (RSTB)Description:Volkswagen Amarok 2011 ONSuited toVolkswagen Amarok 2011 ONvehicle/s:3570040 – SUMMIT RSTB KIT 11ON SUITS 3670010

# 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 tow bar component, contact your nearest authorised ARB stockist.
- Do not use this product for any vehicle make or model, other than those specified by ARB.
- Do not remove labels from this tow 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.
- The eyelets on the rear bar have been designed and tested for connection of trailer safety chains. They are not to be used for recovery or direct towing.
- For recovery, fit a suitable and rated tow hitch to the central tow hitch receiver.
- Position high lift jack at lift locations beneath the middle of the wings and corner of the RSTB. Do
  not lift directly from the end of the wing.
- When using the tow hitch receiver, the centre panel should be in the raised position.

# **ARB 4x4 ACCESSORIES**

### **Corporate Head Office**

42-44 Garden St Kilsyth, Victoria AUSTRALIA 3137 Tel: +61 (3) 9761 6622 Fax: +61 (3) 9761 6807

Australian enquiries North & South American enquiries Other international enquiries sales@arb.com.au sales@arbusa.com exports@arb.com.au

## www.arb.com.au

# **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 Canuba 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        | SIDE CUTTERS            |
|-----------------------|-------------------------|
| INSULATION TAPE       | 70MM HOLE SAW BIT       |
| DEUTSCH CRIMPING TOOL | WIRE STRIPPER           |
| NEEDLE NOSE PLIERS    | POWER DRILL             |
| ALLEN KEY SET         | SOCKET SET              |
| FINE ROUND FILE       | TAPE MEASURE            |
| MASKING TAPE          | RUST PREVENTATIVE PAINT |
| TORQUE WRENCH 9-77Nm  |                         |

#### HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

**Protective eyewear** 



**Hearing protection** 



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      |
| M12x1.75 | 77Nm      | 57lbft      |
| M14      | 185Nm     | 135lbft     |

#### **RSTB PARTS LISTING**

| APPLICATION               | PART NO. | QTY   | DESCRIPTION                      |  |  |  |  |
|---------------------------|----------|-------|----------------------------------|--|--|--|--|
|                           | 4654293  | 1     | FRAME ASM-WELDED AMAROK 110N     |  |  |  |  |
|                           | 6151715  | 14    | NUT M6 CAGED 3.6-4.5MM 836-D     |  |  |  |  |
| PREPARE REAR STEP TOW BAR | 6523187  | 1     | LIFT UP PANEL                    |  |  |  |  |
|                           | 5670026  | 2     | SPRING EXT 11.25 OD x 43         |  |  |  |  |
| (RSTB)                    | 6151443  | 2     | SCREW BTN HD M6 x 20 BZ          |  |  |  |  |
|                           | 6151046  | 4     | WASHER FLAT M6 TZP480            |  |  |  |  |
|                           | 6151549  | 2     | NUT NYLOC M6 x 1.0 GR8.8 BTZP480 |  |  |  |  |
|                           |          |       |                                  |  |  |  |  |
|                           | 6523182  | 1     | PANEL BEAVER-AMAROK              |  |  |  |  |
|                           | 3750173R | 1     | BRACKET-PANEL BEAVER RH          |  |  |  |  |
|                           | 3750173L | 1     | BRACKET-PANEL BEAVER LH          |  |  |  |  |
|                           | 6151526  | 4     | NUT M6 CAGED 1.7-2.5MM           |  |  |  |  |
|                           | 6821189  | 4     | PLASTIC SNAP-IN LARGE GROMMET    |  |  |  |  |
|                           | 6151384  | 4     | SCREW ST PHDCOL PH 5.2 X 16      |  |  |  |  |
|                           | 3750449  |       |                                  |  |  |  |  |
|                           | 6151213  | 4     | BOLT M6 x 1.0 x 20 Gd8.8 BZ      |  |  |  |  |
|                           | 4581082  | 6     | WASHER FLAT M6 x 12 x 1.3 BLK ZN |  |  |  |  |
|                           | 6151173  | 2     | FLANGE NUT-M6 BZ                 |  |  |  |  |
| RSTB TO VEHICLE           | 5848302  | 4     | PACKER RB NYLON                  |  |  |  |  |
|                           | 6151443  | 6     | SCREW BTN HD M6 x 20 BZ          |  |  |  |  |
|                           | 4584329  | 6     | WASHER FLAT M6x12.2x1.2 BTZP480  |  |  |  |  |
|                           | 4654084  | 2     | NUT PLATE M10X1.5                |  |  |  |  |
|                           | 6151232  | 2     | BOLT HX HD M10X1.5X30            |  |  |  |  |
|                           | 4584296  | 2     | WASHER FLAT M10X30X5             |  |  |  |  |
|                           | 6151539  | 2     | BOLT HX FL M14X1.5X110           |  |  |  |  |
|                           | 6151540  | 2     | FLANGE NUT M14X1.5               |  |  |  |  |
|                           | 6151098  | 2     | BOLT HX FL M12X1.5X40            |  |  |  |  |
|                           | 4584363  | 2     | WASHER FLAT M12X26X4             |  |  |  |  |
|                           | 6151098  | 2     | BOLT HX FL M12X1.5X40            |  |  |  |  |
| FITTING KIT 3570040       | 4584363  | 4     | WASHER FLAT M12X26X4             |  |  |  |  |
| MY11-16 VEHICLES ONLY     | 4584222  | 2     | NUT PLATE M12X1.75               |  |  |  |  |
|                           | 6151255  | 2     | BOLT HX M12X1.75X40              |  |  |  |  |
|                           |          |       |                                  |  |  |  |  |
|                           | 6523183R | 1     | PANEL RSTB STEP-AMAROK RH        |  |  |  |  |
|                           | 6523183R | 1     | PANEL RSTB STEP-AMAROK LH        |  |  |  |  |
|                           | 3195000  | 1     | PLATE-EXTRUSION AMAROK           |  |  |  |  |
|                           | 6151443  | 8     | SCREW BTN HD M6 x 20 BZ          |  |  |  |  |
|                           | 4584329  | 8     | WASHER FLAT M6x12.2x1.2 BTZP480  |  |  |  |  |
|                           | 4581082  | 4     | WASHER FLAT M6 x 12 x 1.3 BLK ZN |  |  |  |  |
| PANELS TO RSTB            | 6151173  | 4     | FLANGE NUT-M6 BZ                 |  |  |  |  |
|                           | 6151256  | 4     | SCREW BTN HD M6 x 16 SS          |  |  |  |  |
|                           | 6821270  | 1     | NARVA 90810 LED LMAP             |  |  |  |  |
|                           | 3163125  | 1     | MOLDING RSTB LIGHT BEZEL         |  |  |  |  |
|                           | 3750395  | 1     | BRKT LED MOUNT                   |  |  |  |  |
|                           | 6821116  | 2     | GROMMET NYLON SNAP IN TYPE       |  |  |  |  |
|                           | 0750/505 | -     |                                  |  |  |  |  |
|                           | 3750172R | 1     | BRKT ASMWING MOUNT RH            |  |  |  |  |
|                           | 3750172L | 1     | BRKT ASMWING MOUNT LH            |  |  |  |  |
| PREPARE RSTB/VEHICLE FOR  | 6151730  | 10    | BOLT HX FL M8X1.25X20            |  |  |  |  |
| PANELS                    | 6151655  | 4     | NUT HX FL M8X1.25                |  |  |  |  |
|                           | 3750119R | 1     | BRKT-WING MOUNT RH               |  |  |  |  |
|                           | 3750119L | 1     | BRKT-WING MOUNT LH               |  |  |  |  |
|                           | 3194723  | 2     | PLATE NUT ASM                    |  |  |  |  |
|                           | 3194724  | 2     | PLATE NUT ASM                    |  |  |  |  |
|                           | 3759843  | 4     | BRKT PARK SENSOR                 |  |  |  |  |
|                           | 6781437  | 3     | TAPE 3M4991 2.3mm 20X25 8 PCS    |  |  |  |  |
|                           | 6781427  | 4     | ADHESIVE STRIP BUTYL 20 X 25     |  |  |  |  |
|                           | 3789677  | 1     | TEMPLATE-AMAROK RR QTR CUT       |  |  |  |  |
| R                         | STB PART | S LIS | TING                             |  |  |  |  |
|                           |          |       |                                  |  |  |  |  |

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| APPLICATION            | PART NO.  | QTY | DESCRIPTION                      |  |  |
|------------------------|-----------|-----|----------------------------------|--|--|
|                        | 6151730   | 8   | BOLT HX FL M8X1.25X20            |  |  |
|                        | 6151655   | 4   | NUT HX FL M8X1.25                |  |  |
|                        | 6151032   | 10  | NUT NYLOC M8 x 1.25              |  |  |
|                        | 6151256   | 8   | SCREW BTN HD M6 x 16 SS          |  |  |
|                        | 4581082   | 6   | WASHER FLAT M6 x 12 x 1.3 BLK ZN |  |  |
| PANELS TO RSTB/VEHICLE | 6151173   | 2   | FLANGE NUT-M6 BZ                 |  |  |
|                        | 6151549   | 2   | NUT NYLOC M6 x 1.0 GR8.8 BTZP480 |  |  |
|                        | 4581304   | 8   | WASHER FLAT M6 S/S               |  |  |
|                        | 6523184   | 1   | PANEL DIFFUSER RH-AMAROK         |  |  |
|                        | 6523185   | 1   | PANEL DIFFUSER LH-AMAROK         |  |  |
|                        | 31315195R | 1   | WING ASM-AMAROK RH               |  |  |
|                        | 31315195L | 1   | WING ASM-AMAROK LH               |  |  |
|                        |           |     |                                  |  |  |
| TOW TONGUE             | 4761170   | 1   | TOW TONGUE 45 DEG                |  |  |
|                        | 55010     | 1   | TOW BAR PULL PIN                 |  |  |
|                        | 55020     | 1   | SPRING CLIP                      |  |  |
|                        | 180302    | 10  | CABLE TIE 200MM                  |  |  |
|                        |           |     |                                  |  |  |
|                        | 3163169   | 4   | BLANKING PLUG BLACK              |  |  |
| FITTING KIT 3570040    | 3750118   | 1   | BRACKET CAMERA RELOCATION        |  |  |
| MY11-16 VEHICLES ONLY  | 4584329   | 2   | WASHER FLAT M6x12.2x1.2 BTZP480  |  |  |
| WITH-TO VEHICLES ONET  | 6151173   | 2   | FLANGE NUT-M6 BZ                 |  |  |
|                        | 6151443   | 2   | SCREW BTN HD M6 x 20 BZ          |  |  |

#### **TRAILER WIRING**

The following trailer wiring solutions can be purchased from ARB. Purchase the main wiring harness with ECU (Part no. 3600010) in conjunction with the appropriate socket and tail listed below. Alternatively, this product is compatible with the factory trailer wiring solution.

To install this loom, a crimping tool suitable for crimping contact typesize16Deutsch pins is required. Suitable crimping tools as shown can be purchased from auto electrical wholesalers.

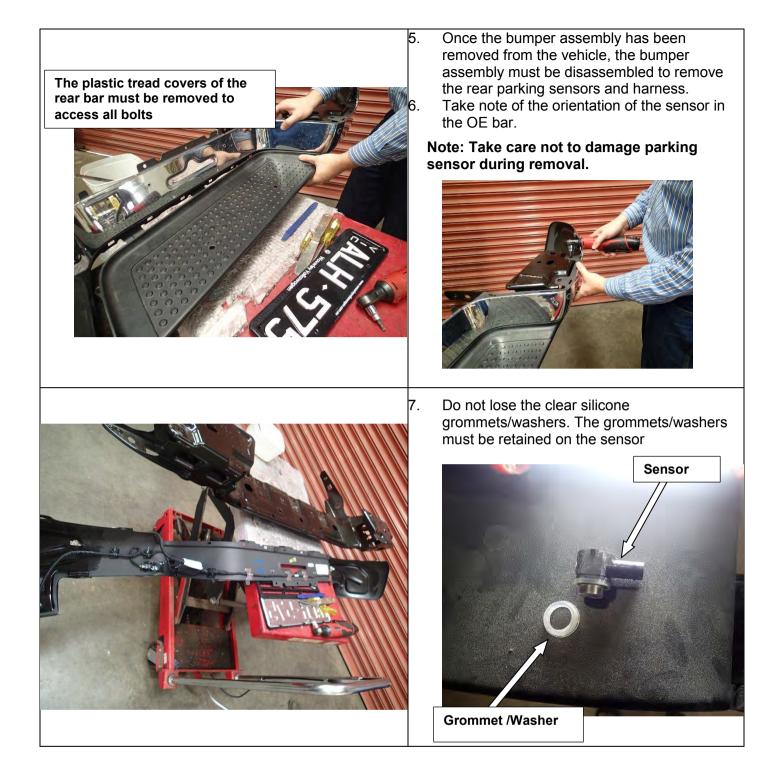


| APPLICATION    | PART NO. | QTY | DESCRIPTION                          |
|----------------|----------|-----|--------------------------------------|
|                | 3600010  | 1   | RSTB WIRING INCLUDING ECU            |
|                | 3600020  | 1   | RSTB SOCKET & TAIL   7 PIN FLAT      |
| TRAILER WIRING | 3600030  | 1   | RSTB SOCKET & TAIL   12 PIN FLAT     |
|                | 3600040  | 1   | RSTB SOCKET & TAIL   7 PIN ROUND LRG |
|                | 3600050  | 1   | RSTB SOCKET & TAIL   7 PIN ROUND SML |

| OPTIONAL ACCESSORIES   |           |           |     |   |               |
|--|-----------|-----------|-----|---|---------------|
| The following ARB accessories can be fitted to this product: |           |           |     |   |               |
| APPLICATION  |           | PART NO.  | QTY | DESCRIPTION                             |               |
|  |           | 171403    | 1   | ARB AIR LINE FITTING                    |               |
| OPTIONAL ACCESSOR  |           | 10600030  | 1   | ARB TRAILER CAMERA KIT                  |               |
| OF HONAL ACCESSORIES   |           | 58X22/A   | 1   | RECOVERY HITCH AND SHACKLE              |               |
|  |           | 6594050   | 1   | 50 AMP ANDERSON PLUG                    |               |
|  | 0         |           | •   | ALL |               |
| AIR LINE FITTING T   | RAILER C/ | AMERA KIT | REC | OVERY HITCH                             | ANDERSON PLUG |

#### **GENUINE ACCESSORIES REMOVAL**



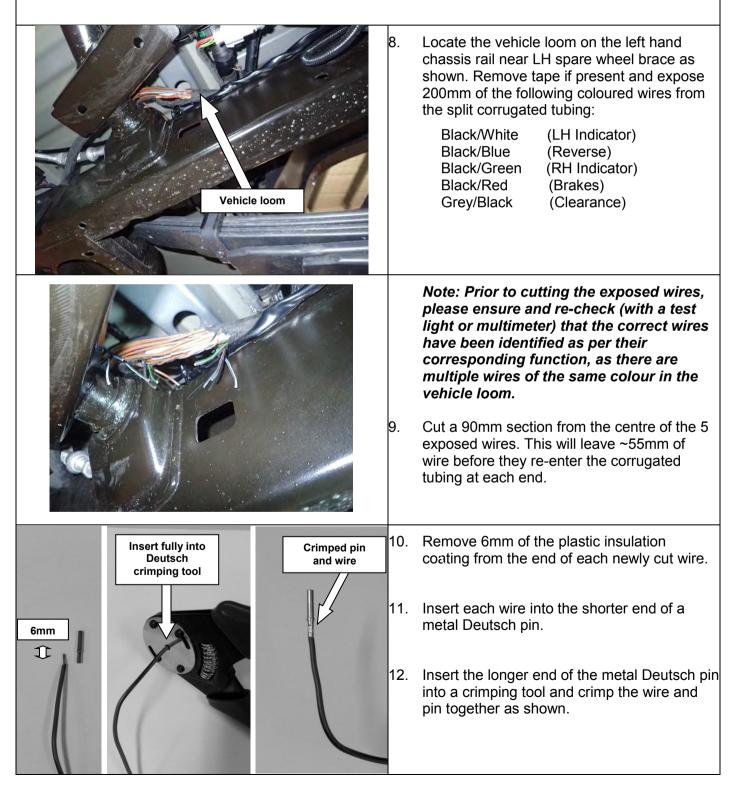


#### **VEHICLE/RSTB WIRING**

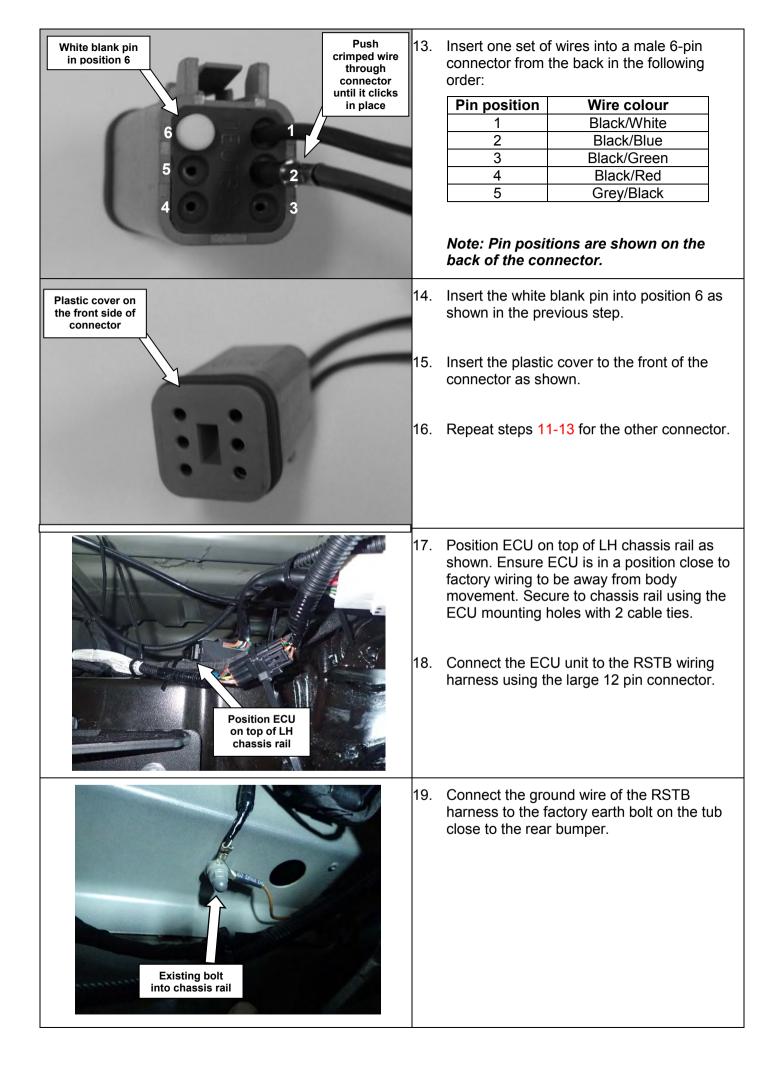
A trailer wiring solution that incorporates a smart ECU is available for this vehicle. To fit this solution, the rear vehicle wiring harness must be cut and high quality, waterproof Deutsch connectors installed to provide signal pickup points for the ECU.

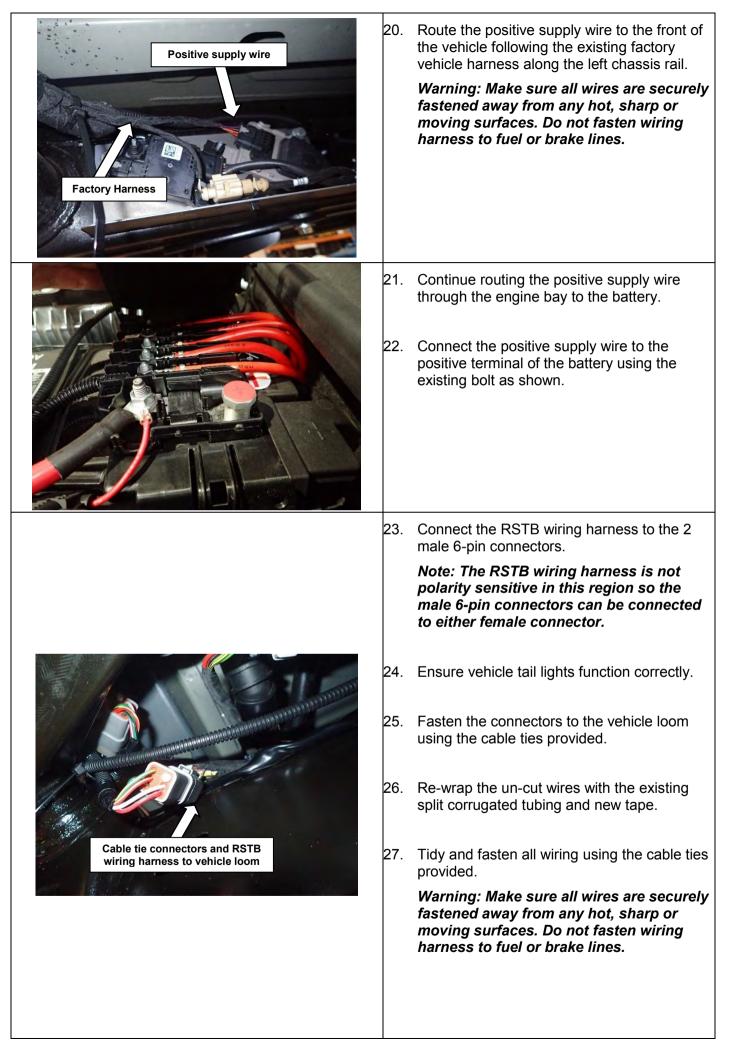
To install this loom, a suitable crimp tool is required. Refer to Page 5 for more details about the crimp tool.

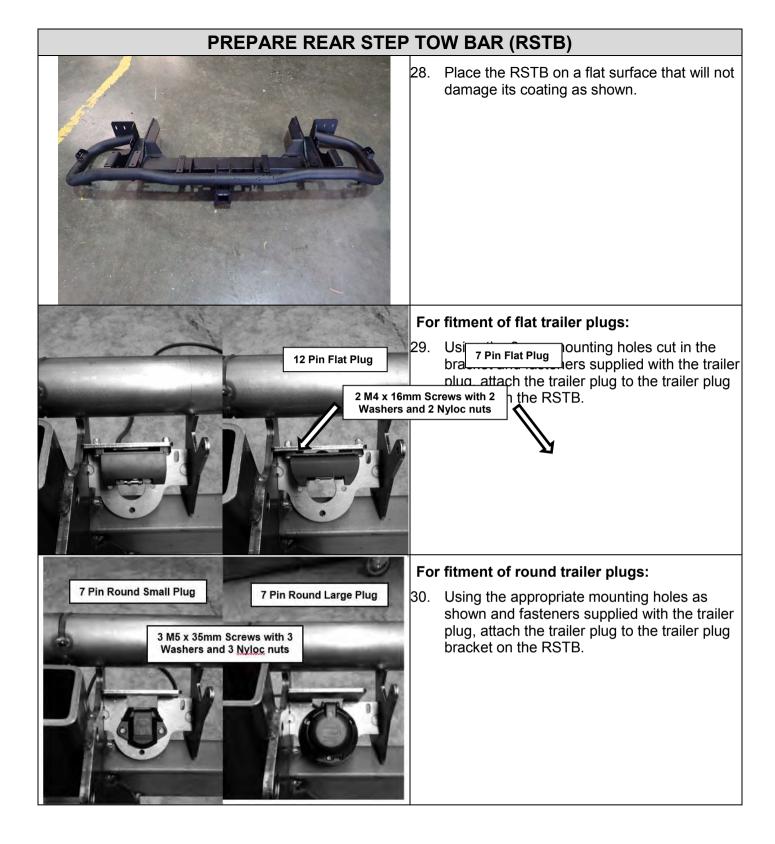
Follow the steps below to install the trailer wiring solution:

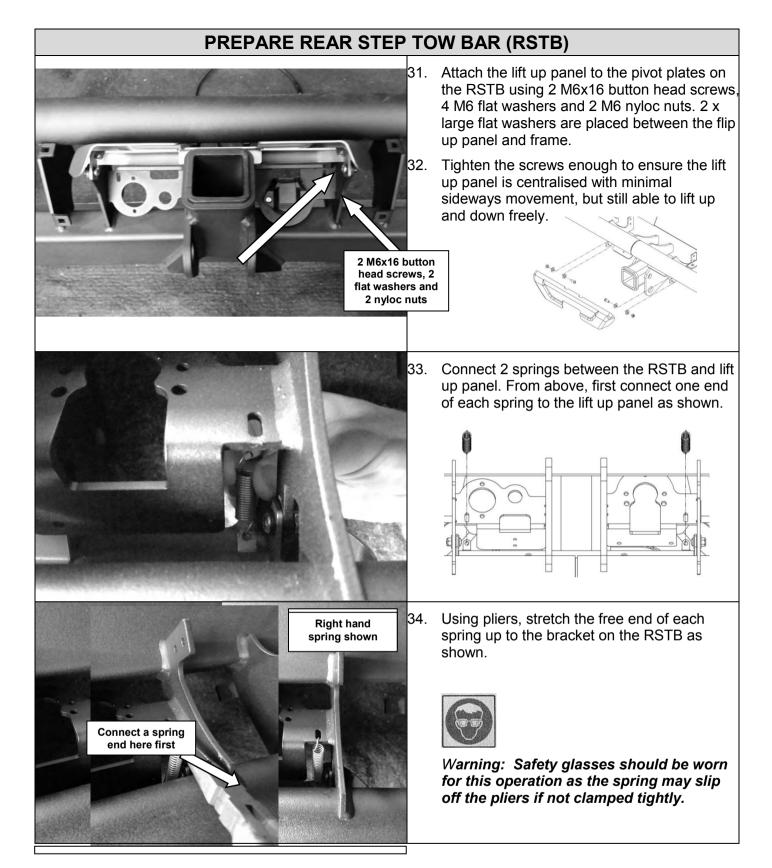


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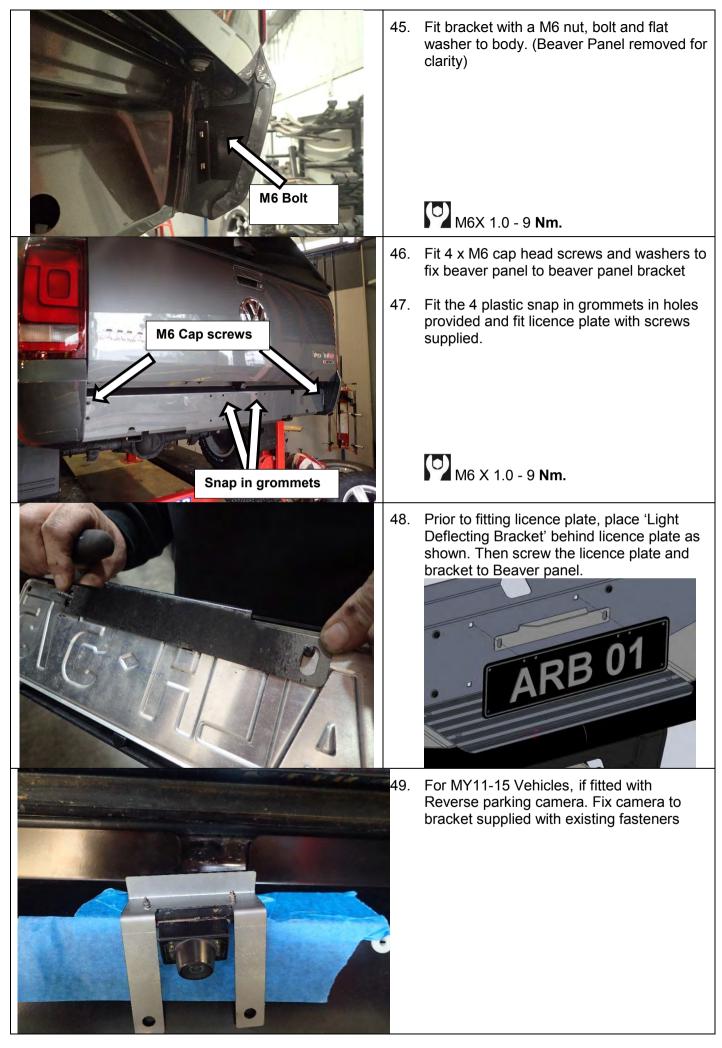




| PREPARE REAR STEP TOW BAR (RSTB) |     |   |  |  |  |
|----------------------------------|-----|---|--|--|--|
| Long Leg<br>M6 Caged<br>nuts     | 35. | Fit 8 long-leg M6 caged nuts to the RSTB. Fit<br>4 x caged nuts to the right side as shown and<br>4 x cage nuts to the left hand side.                    |  |  |  |
| Long Leg<br>M6 Caged<br>nuts     | 36. | Rotate and support the RSTB and fit 6 long-<br>leg M6 caged nuts. Fit 3 caged nuts to the<br>right side as shown and 3 cage nuts to the<br>left hand side |  |  |  |







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50. Position camera and bracket on the Beaver panel. Check function of the camera, when the camera is positioned correctly make and drill 2 x Ø7.0 mm holes. Secure camera and bracket to the beaver panel with 2 x M6 cap head screws, washers and nuts.



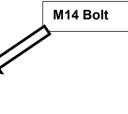
WARNING: Drilling & cutting operations can result in flying debris. Eye and ear safety protection should be worn.

#### **RSTB TO VEHICLE**







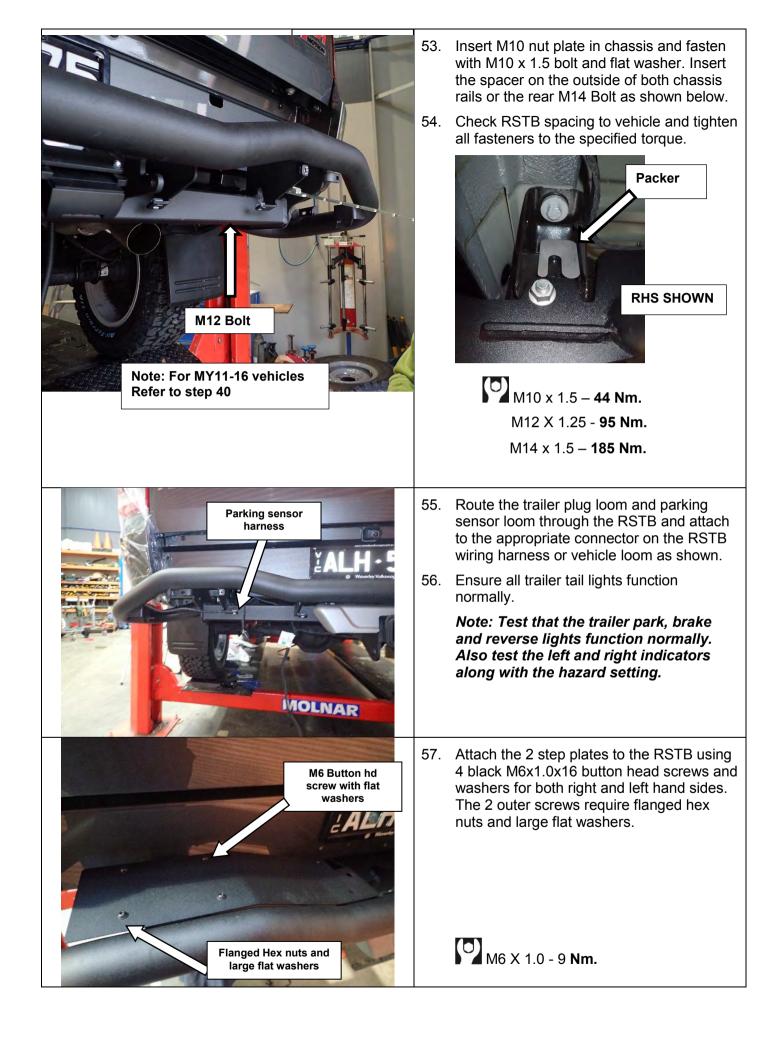


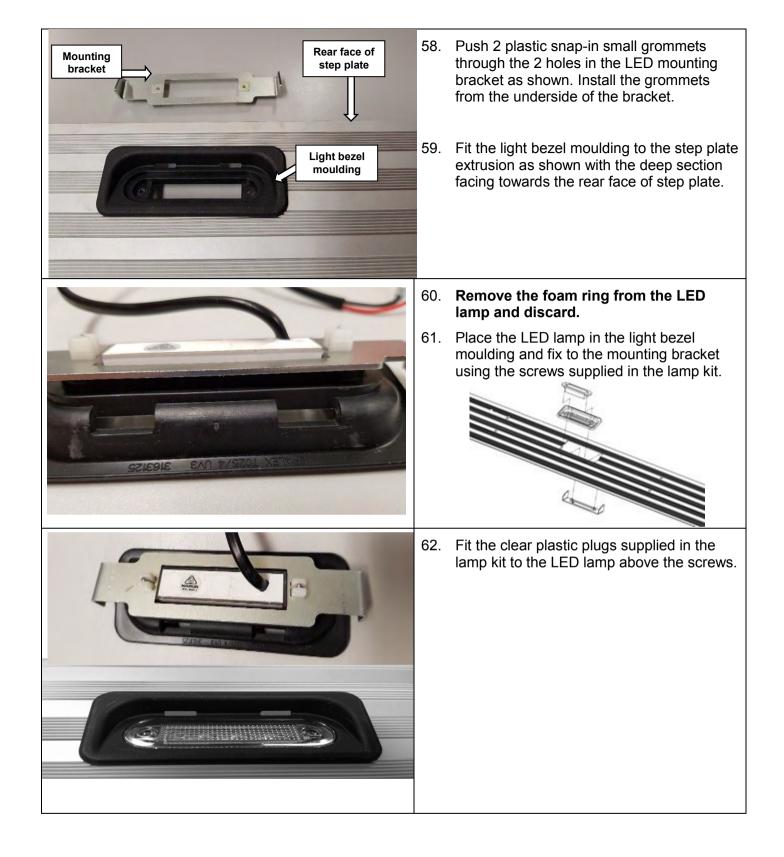
With the assistance of other people or a 51. lifting device, lift the RSTB up beneath the chassis rails aligning the threaded holes in the side of the chassis with those in the vertical surfaces of the RSTB.

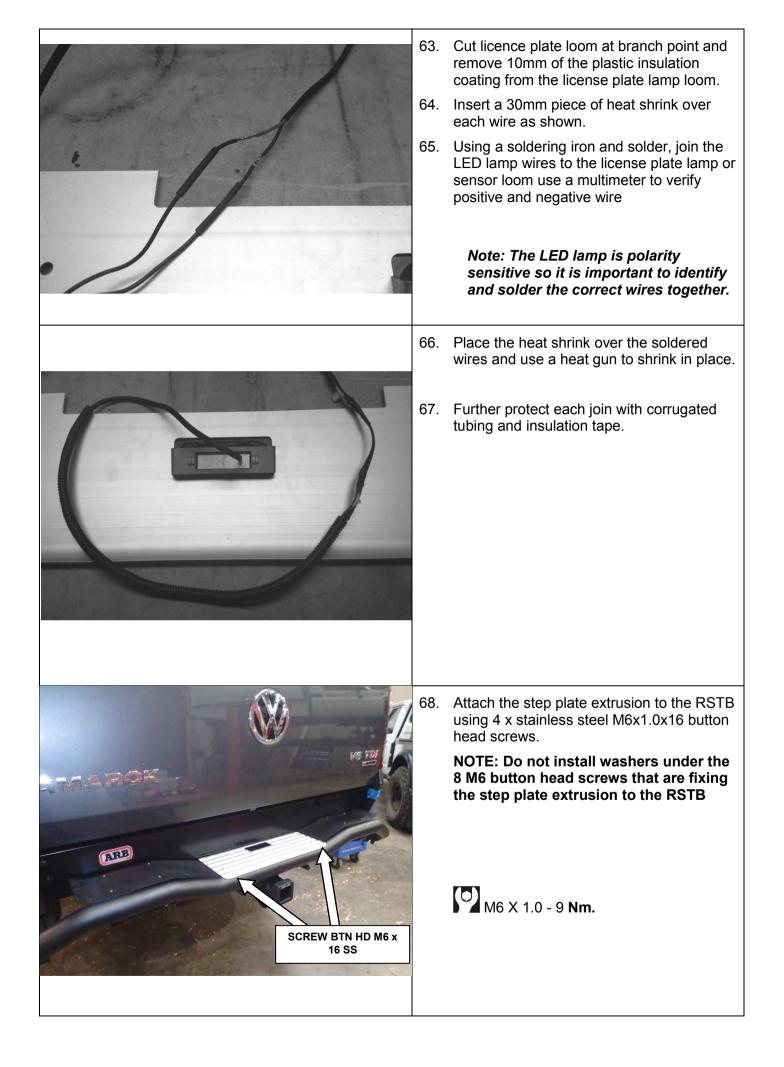
Note: Take care to ensure the trailer plug wiring is not damaged during this step.

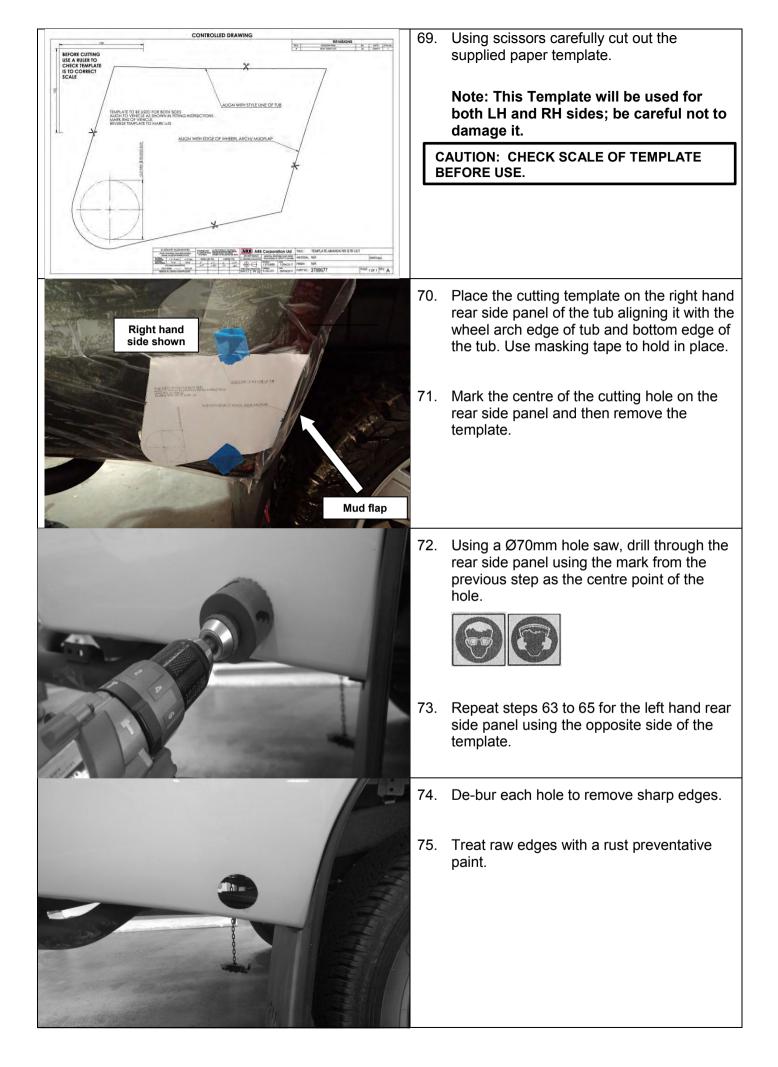
Fix the RSTB to the threaded holes in each 52. chassis rail using 1 M12 x 1.25x40 (fine pitch) hex head bolt, 1 M14 x 110 bolt and nut. Leave finger tight at this stage.

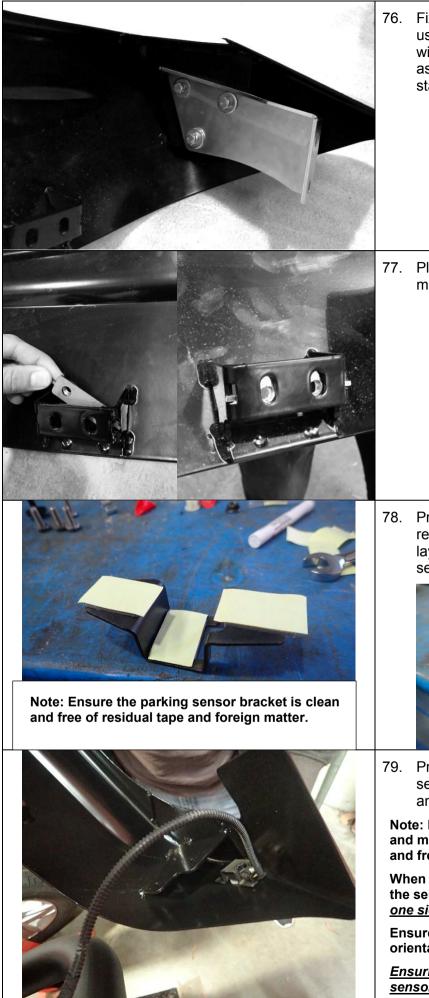
> Note: When fitting RSTB to MY11-15 vehicles fit 2 x M12 bolts per side on inside of rail, 1 x M12 bolt and nut plate on outer side of chassis rail, refer step 37-39



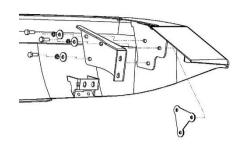








76. Fix a wing mount bracket to each wing using 3 M8x1.25x25 hex head bolts and a wing triple nut plate. Orientate each bracket as shown. Leave bolts finger tight at this stage.



77. Place a wing double nut plate inside the middle bracket of each wing as shown.

78. Prepare for fitting parking sensors to the rear wings and diffusers by applying the 2 layers of 3M double sided tape Parking sensor bracket as shown.



79. Prior to fitting wings to the vehicle, fit the sensor and bracket to the wing assembly and then connect the harness.

Note: Ensure both the parking sensor bracket and mating area of the Rear Bar wing are clean and free of residual tape and foreign matter.

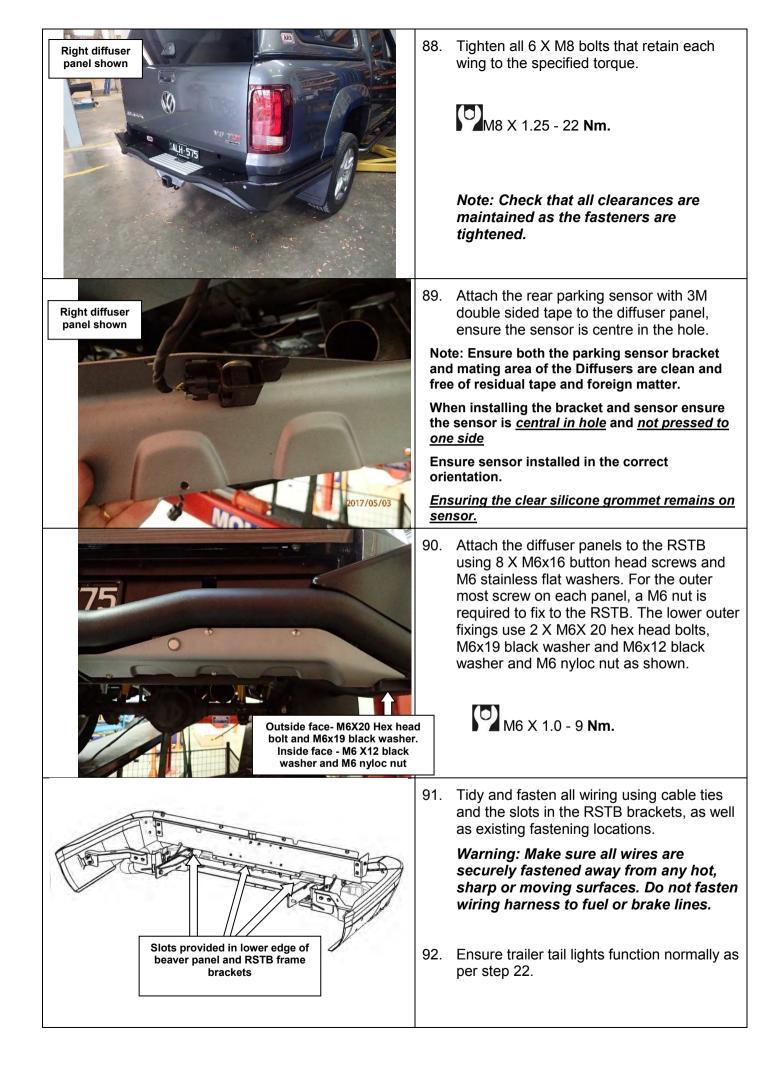
When installing the bracket and sensor ensure the sensor is <u>central in hole</u> and <u>not pressed to</u> <u>one side</u>

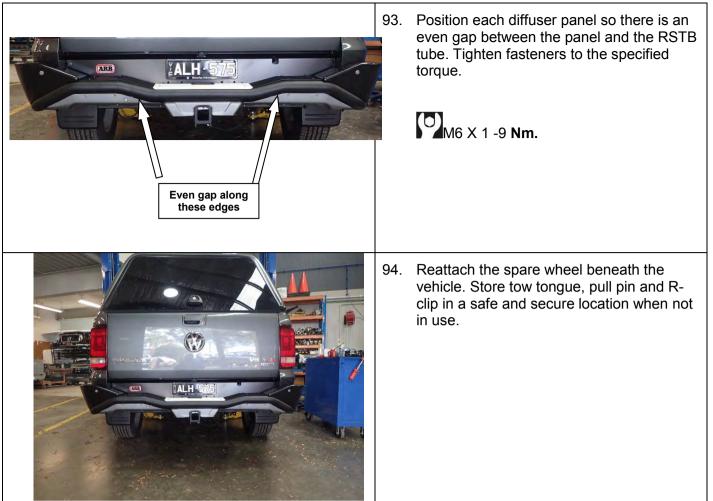
Ensure sensor installed in the correct orientation.

Ensuring the clear silicone grommet remains on sensor.

|  | 80. | With the assistance of other people fit the<br>rear parking sensor and bracket to the wing<br>and fit the wing to the centre mount using 2<br>X M8x1.25x25 hex head bolts and nuts.<br>Do not fully tighten at this stage.<br>Apply masking tape to tub to eliminate<br>any damage to paintwork when<br>positioning wing |
|--|-----|--|
|  | 81. | With the assistance of other people or a lifting device, position the wings next to the rear side vehicle panels. Take care not to damage the vehicle when positioning the wings.  |
|  | 82. | Pass the front bracket of each wing through<br>the Ø70mm hole in the tub and fasten to<br>the wing mount strut using 2 M8 hex head<br>bolts, 2 X M8 nuts. Do not fully tighten at<br>this stage.   |
| 2 M8 bolt<br>M8 wash<br>and 2 M8<br>2017/05/0: | ers |  |
| Right wing mount         bracket shown         | 83. | Fix the wing mount bracket of each wing to<br>the RSTB using 2 X M8x1.25x25 hex head<br>bolts, 4 M8 flat washers and 2 X M8 nuts.<br>Do not fully tighten at this stage.   |







### ONCE BAR IS FITTED:

- Ensure all bolts are tensioned correctly.
- Ensure all wiring is clear of sharp edges or moving surfaces and secured properly.
- Piping is secured well away from sharp or moving components
- Test operation of parking sensors after fitment.
- Check all wiring and connections to turn signal lamps, sensors, headlamp washers etc. are functioning correctly
- Misalignment of sensor to hole in bull bar may cause malfunction.
- Do not paint over sensor.

#### Note:

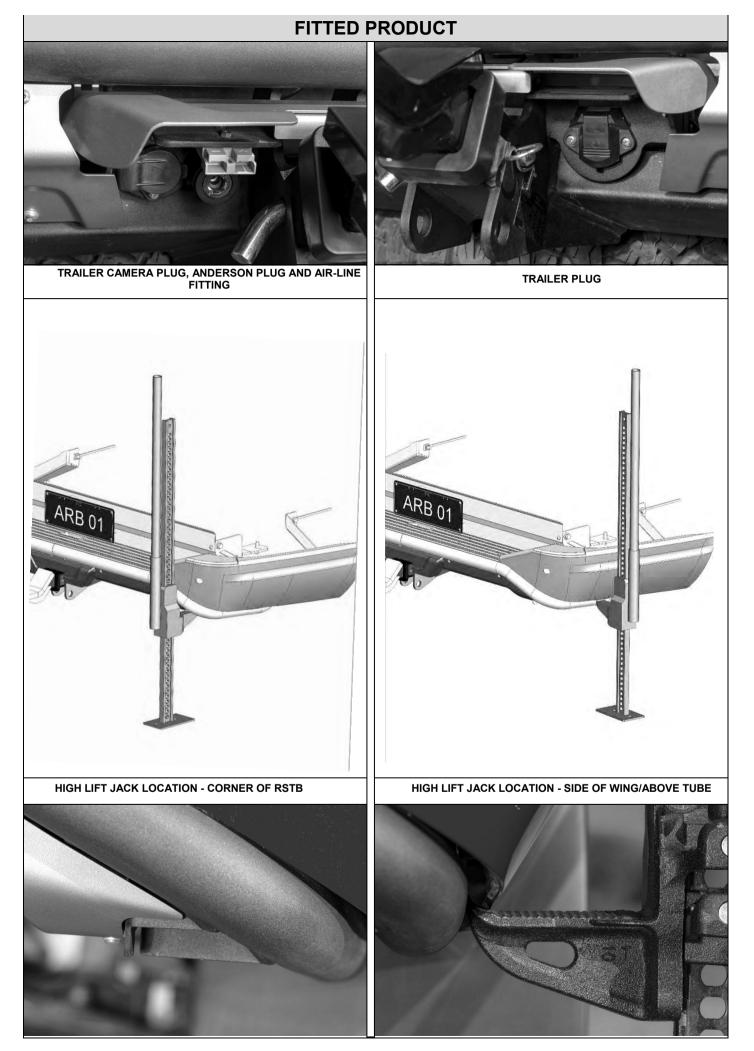
Do not add any accessories to the Rear Bar on or around the sensors, this may affect the function of the sensors.

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

#### **FITTED PRODUCT**





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