

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

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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 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.

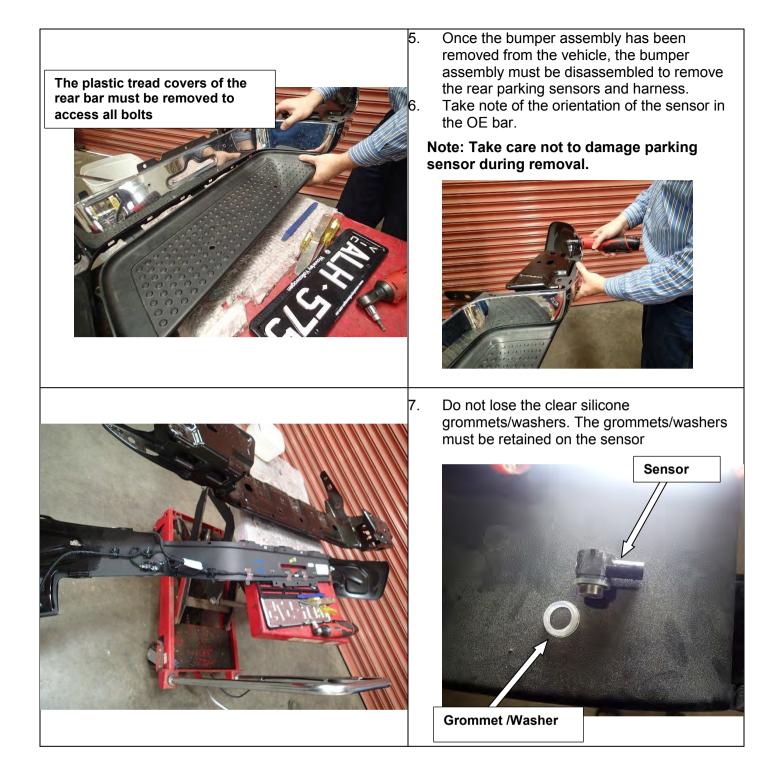


APPLICATION	PART NO.	QTY	DESCRIPTION
	3600010	1	RSTB WIRING INCLUDING ECU
	3600020	1	RSTB SOCKET & TAIL 7 PIN FLAT
TRAILER WIRING	3600030	1	RSTB SOCKET & TAIL 12 PIN FLAT
	3600040	1	RSTB SOCKET & TAIL 7 PIN ROUND LRG
	3600050	1	RSTB SOCKET & TAIL 7 PIN ROUND SML

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



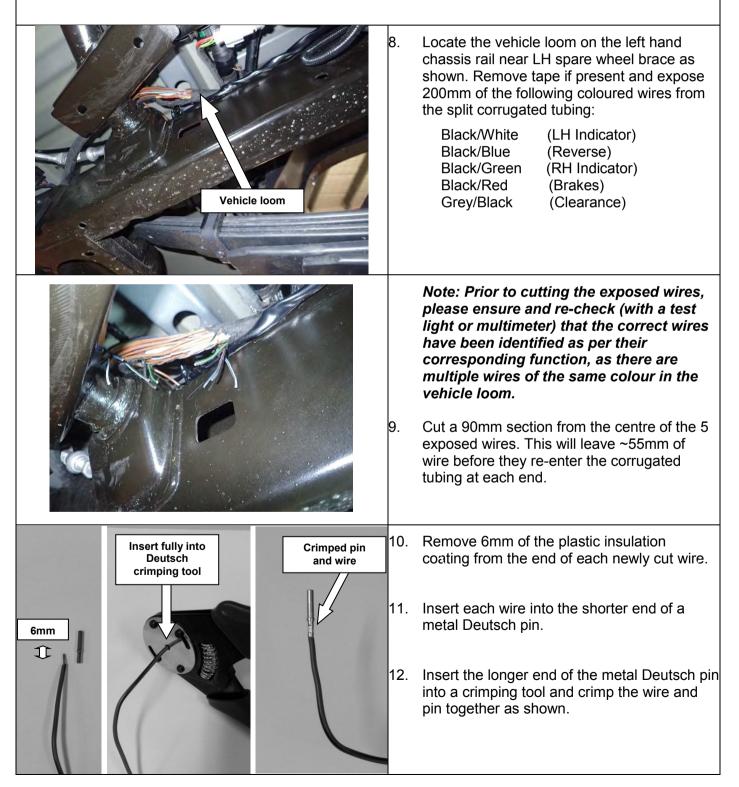


VEHICLE/RSTB WIRING

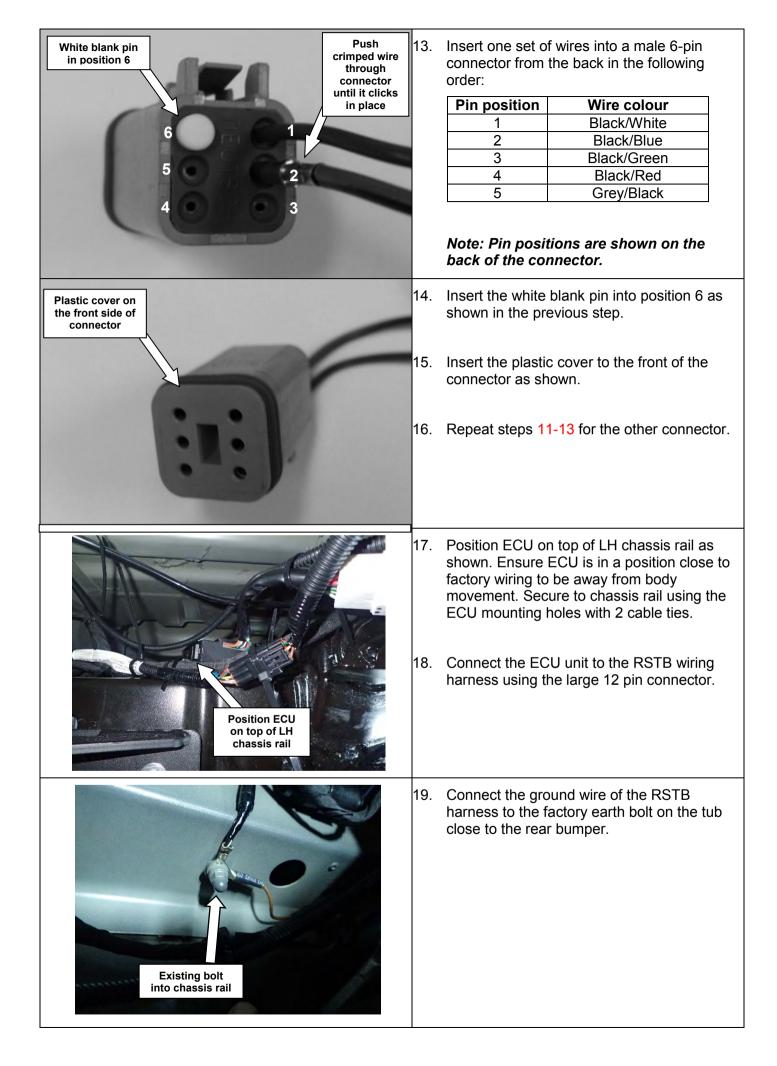
A trailer wiring solution that incorporates a smart ECU is available for this vehicle. To fit this solution, the rear vehicle wiring harness must be cut and high quality, waterproof Deutsch connectors installed to provide signal pickup points for the ECU.

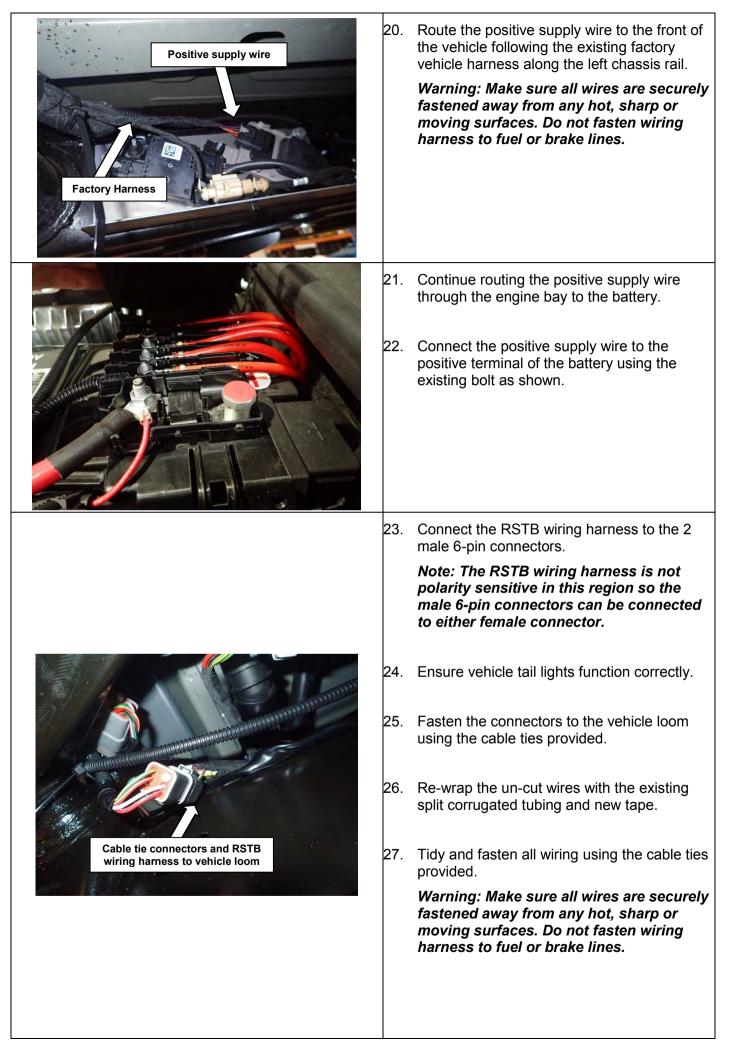
To install this loom, a suitable crimp tool is required. Refer to Page 5 for more details about the crimp tool.

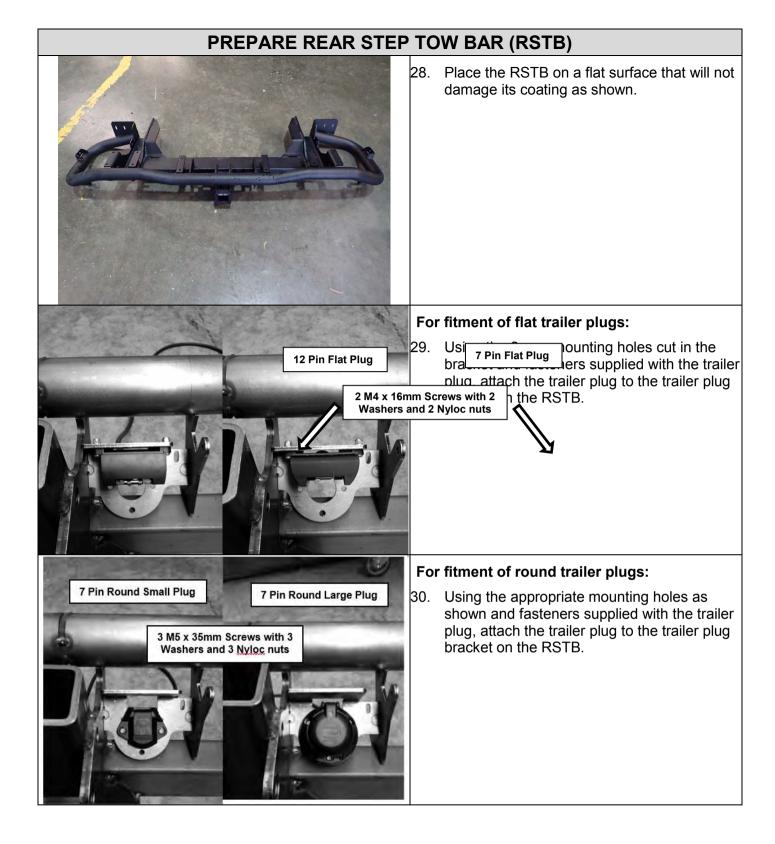
Follow the steps below to install the trailer wiring solution:

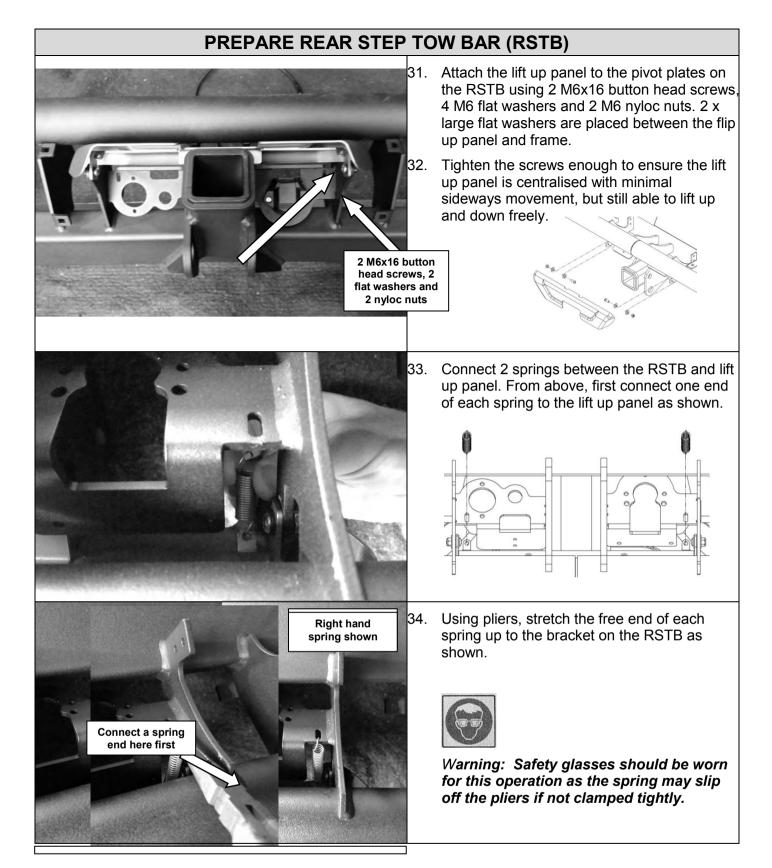


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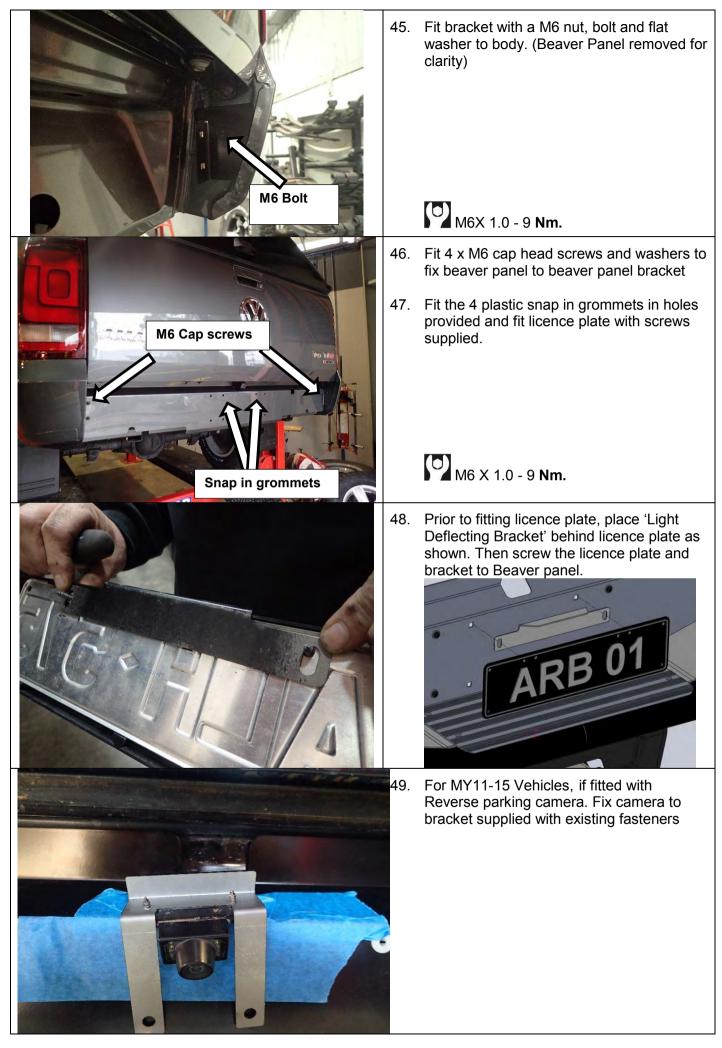




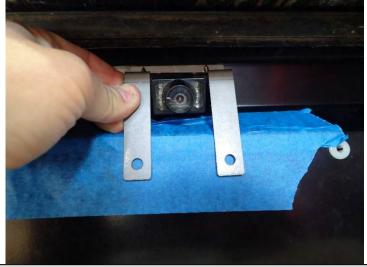
PREPARE REAR STEP TOW BAR (RSTB)					
Long Leg M6 Caged nuts	35.	Fit 8 long-leg M6 caged nuts to the RSTB. Fit 4 x caged nuts to the right side as shown and 4 x cage nuts to the left hand side.			
Long Leg M6 Caged nuts	36.	Rotate and support the RSTB and fit 6 long- leg M6 caged nuts. Fit 3 caged nuts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



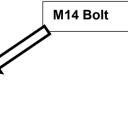
WARNING: Drilling & cutting operations can result in flying debris. Eye and ear safety protection should be worn.

RSTB TO VEHICLE







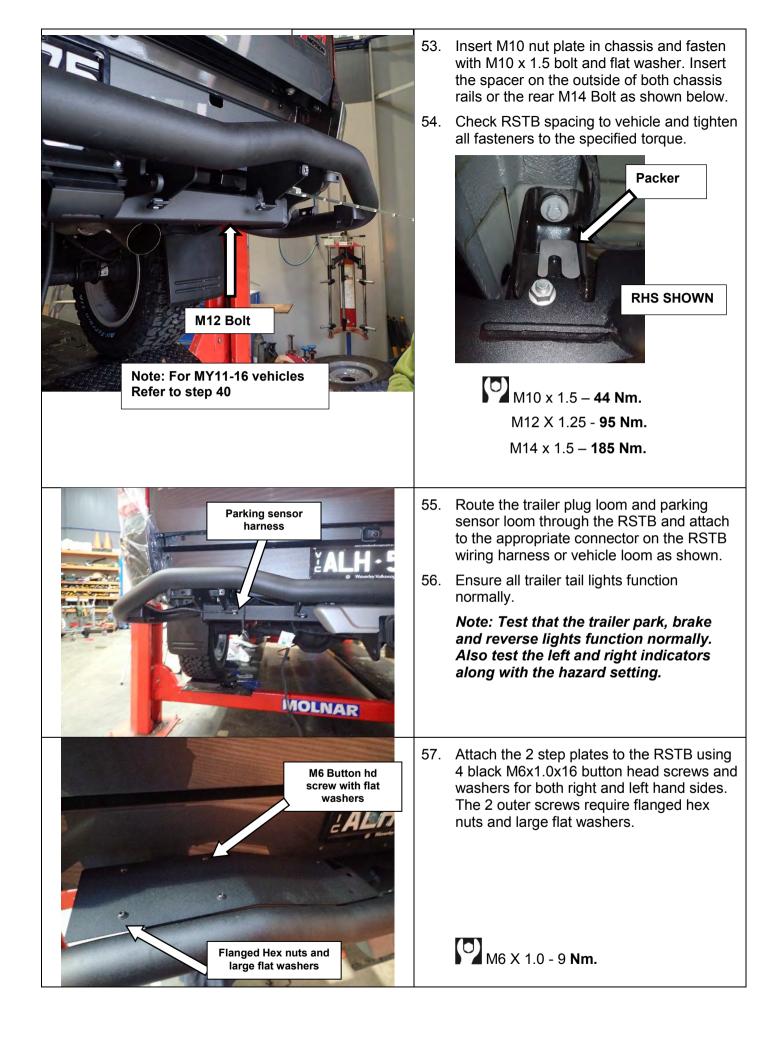


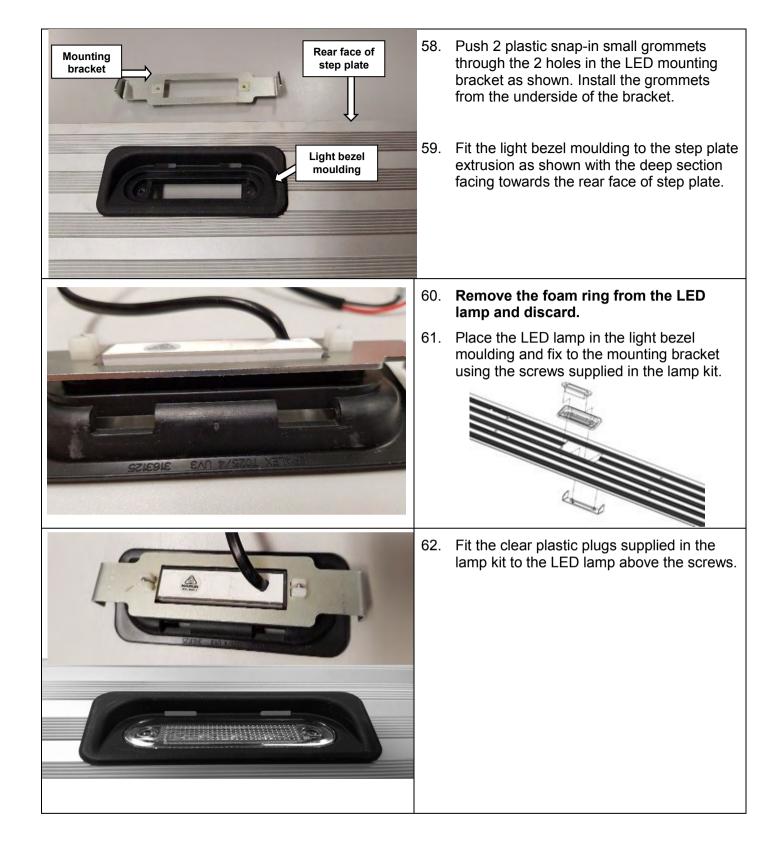
With the assistance of other people or a 51. lifting device, lift the RSTB up beneath the chassis rails aligning the threaded holes in the side of the chassis with those in the vertical surfaces of the RSTB.

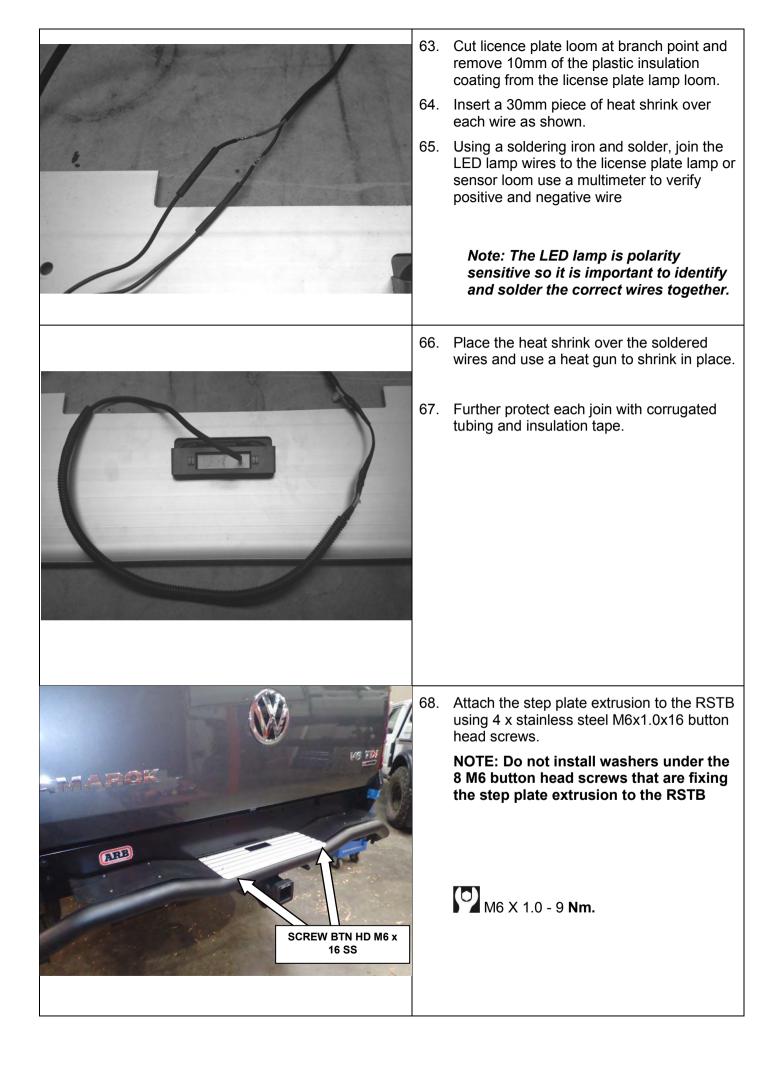
Note: Take care to ensure the trailer plug wiring is not damaged during this step.

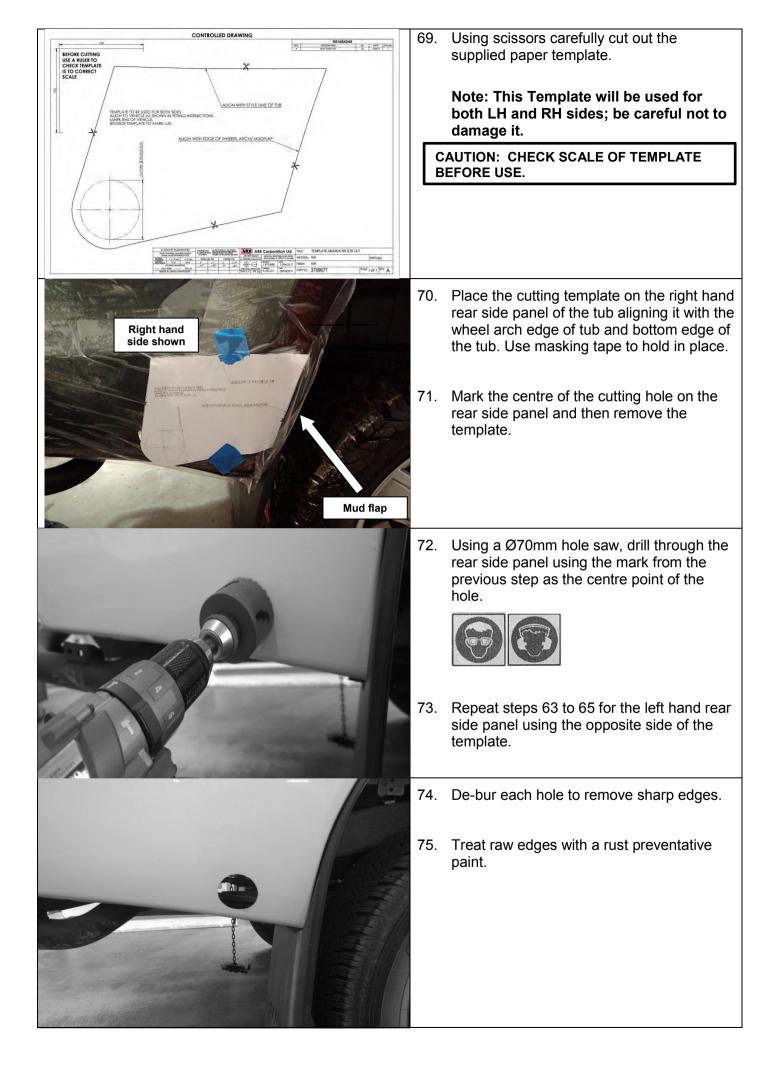
Fix the RSTB to the threaded holes in each 52. chassis rail using 1 M12 x 1.25x40 (fine pitch) hex head bolt, 1 M14 x 110 bolt and nut. Leave finger tight at this stage.

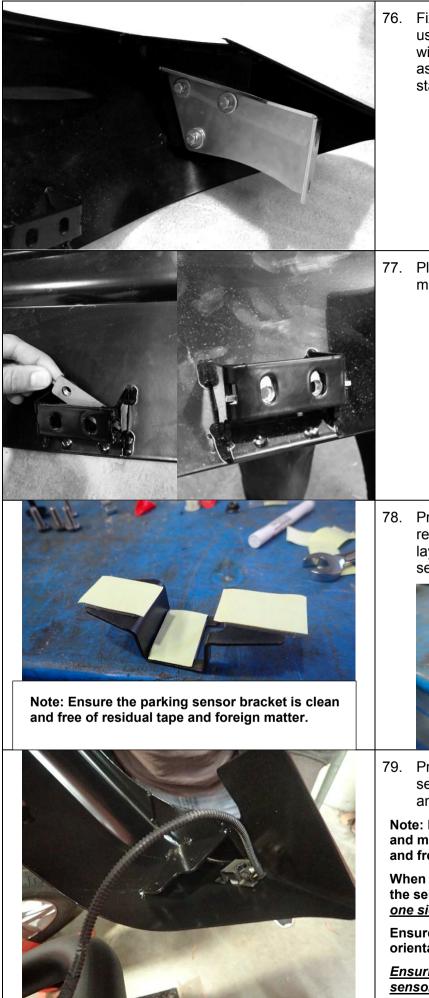
> Note: When fitting RSTB to MY11-15 vehicles fit 2 x M12 bolts per side on inside of rail, 1 x M12 bolt and nut plate on outer side of chassis rail, refer step 37-39



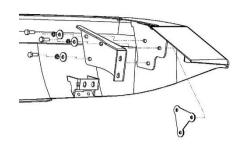








76. Fix a wing mount bracket to each wing using 3 M8x1.25x25 hex head bolts and a wing triple nut plate. Orientate each bracket as shown. Leave bolts finger tight at this stage.



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.

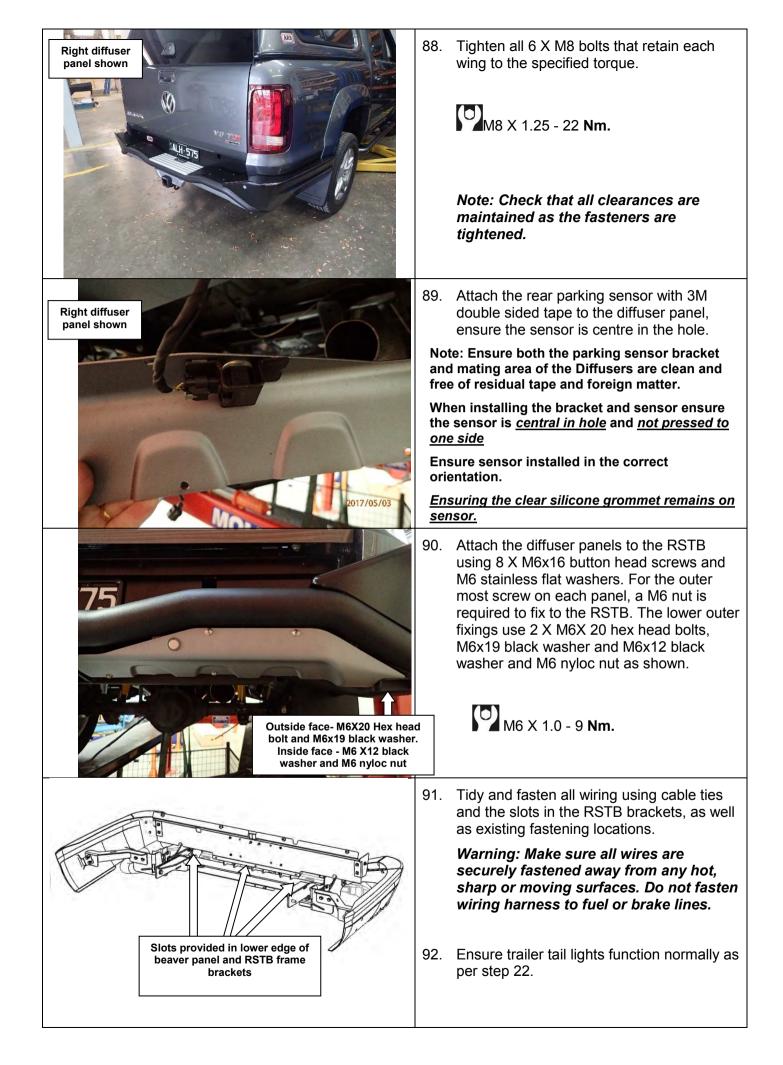
When installing the bracket and sensor ensure the sensor is <u>central in hole</u> and <u>not pressed to</u> <u>one side</u>

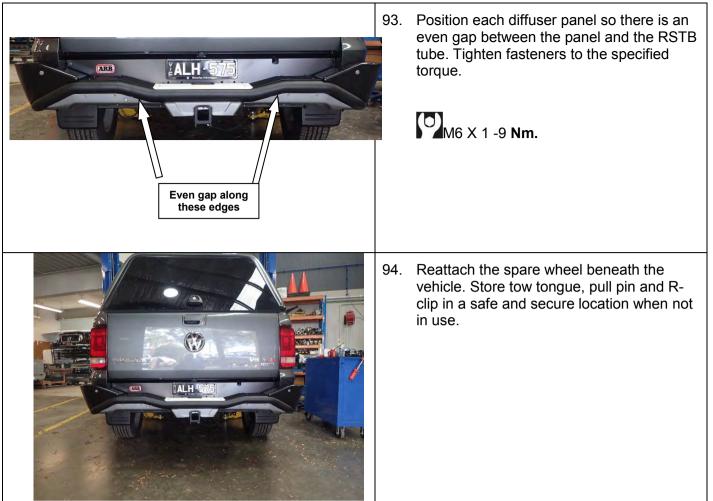
Ensure sensor installed in the correct orientation.

Ensuring the clear silicone grommet remains on sensor.

	80.	With the assistance of other people fit the rear parking sensor and bracket to the wing and fit the wing to the centre mount using 2 X M8x1.25x25 hex head bolts and nuts. Do not fully tighten at this stage. Apply masking tape to tub to eliminate any damage to paintwork when 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 the Ø70mm hole in the tub and fasten to the wing mount strut using 2 M8 hex head bolts, 2 X M8 nuts. Do not fully tighten at this stage.
2 M8 bolt M8 wash and 2 M8 2017/05/0:	ers	
Right wing mount bracket shown	83.	Fix the wing mount bracket of each wing to the RSTB using 2 X M8x1.25x25 hex head bolts, 4 M8 flat washers and 2 X M8 nuts. 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:

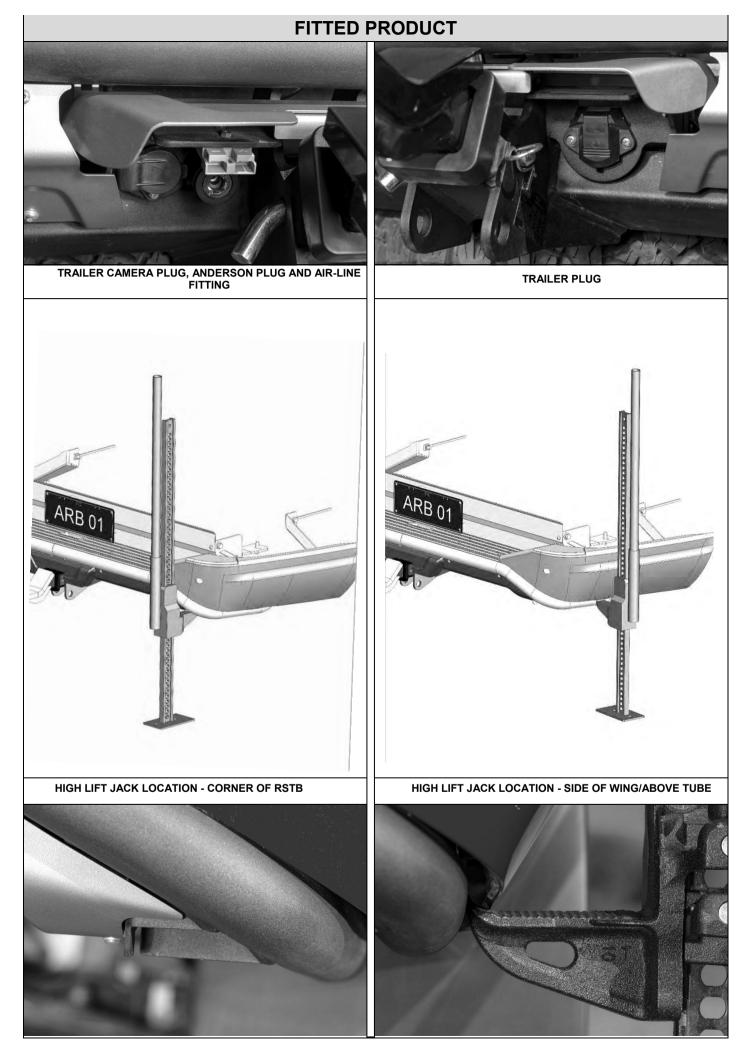
Do not add any accessories to the Rear Bar on or around the sensors, this may affect the function of the sensors.

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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