



FITTING INSTRUCTIONS

PART NUMBER AND DESCRIPTION:

3614150 – SUMMIT RAW REAR BAR

SUITED TO VEHICLE/S:

Toyota Hilux SR5 2015 ON

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 side tube of the RSTB.

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@arb.com.au
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 Canauba 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

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
M12x1.75	77Nm	57lbft
M12x1.25	95Nm	71lbft

RSTB PARTS LISTING

APPLICATION	PART NO.	QTY	DESCRIPTION
PREPARE REAR STEP TOW BAR (RSTB)	4654394	1	ASSY RSTB HILUX 15ON WELDED
	6151715	18	NUT M6 CAGED 3.6-4.5MM 836-D
	3195154	2	PLATE-SPACER RSTB 15 ON HILUX
RSTB TO VEHICLE	3789470	1	TEMPLATE HILUX 2015 NUMBER PLATE
	6523214R	1	PNL BEAVER RH-TRADESMAN RSTB
	6523214L	1	PNL BEAVER LH-TRADESMAN RSTB
	6821189	4	PLASTIC SNAP-IN LARGE GROMMET
	6151384	4	SCREW ST PHDCOL PH 5.2 x 16 TBZP480
	5848302	4	PACKER RB NYLON
	6151213	4	BOLT M6 x 1.0 x 20 Gd8.8 BZ
	4584295	16	WASHER FLAT M6 x 12 x 1.3 BLK ZN
	6151459	4	SCREW BTN HD M6 x 16 BZ
	6151549	8	NUT NYLOC M6 x 1.0 GR8.8 BTZP480
	4581082	2	WASHER FLAT M6 x 19 x 1.6 BLK ZN
	3750339	1	BRKT NUMBER PLATE FRAME
	3750336R	1	BRKT NUMBER PLATE MOUNT RH
	3750337L	1	BRKT NUMBER PLATE MOUNT LH
	6602011	2	CANOE CLIP
	5670039R	1	SPRING LICENCE PLATE RH
	5670039L	2	SPRING LICENCE PLATE LH
	3194821	2	PLATE ASSY CHASSIS
	3194820	2	PLATE INFILL
	3195046	1	PLATE EXTRUSION-RSTB
PREPARE RSTB/VEHICLE FOR PANELS	6151256	10	SCREW BTN HD M6 x 16 SS
	6151315	2	NUT CAGED M8 0.7-1.6
	3195067	1	PLATE DIFFUSER MOUNT
	6151256	10	SCREW BTN HD M6 x 16 SS
	4581304	10	WASHER FLAT M6 S/S
	6523205	1	PANEL DIFFUSER LH NO SENSOR
6523207	1	PANEL DIFFUSER RH NO SENSOR	

OPTIONAL ACCESSORIES

The following ARB accessories can be fitted to this product:

APPLICATION	PART NO.	QTY	DESCRIPTION
OPTIONAL ACCESSORIES	171403	1	ARB AIR LINE FITTING
	10600030	1	ARB TRAILER CAMERA KIT
	58X22/A	1	RECOVERY HITCH AND SHACKLE
	6594050	1	50 AMP ANDERSON PLUG
			
			
			
			
AIR LINE FITTING	TRAILER CAMERA KIT	RECOVERY HITCH	ANDERSON PLUG

GENUINE ACCESSORIES REMOVAL



Removal of rear bumper bar:

1. Disassemble the bumper bar from the chassis bar by removing 2 M12 bolts from each side as shown.



2. If required remove the spare wheel from beneath the tub using the wheel nut wrench and jack handle pieces supplied with the vehicle. Insert as shown through the access slot above the number plate position and rotate counter-clockwise to release the wheel.

PREPARE REAR STEP TOW BAR (RSTB)



3. Place the RSTB on a flat surface that will not damage its coating as shown.
4. Fit 8 long-leg M6 caged nuts to the RSTB. Fit 4 caged nuts to the right side as shown and 4 cage nuts to the left-hand side.



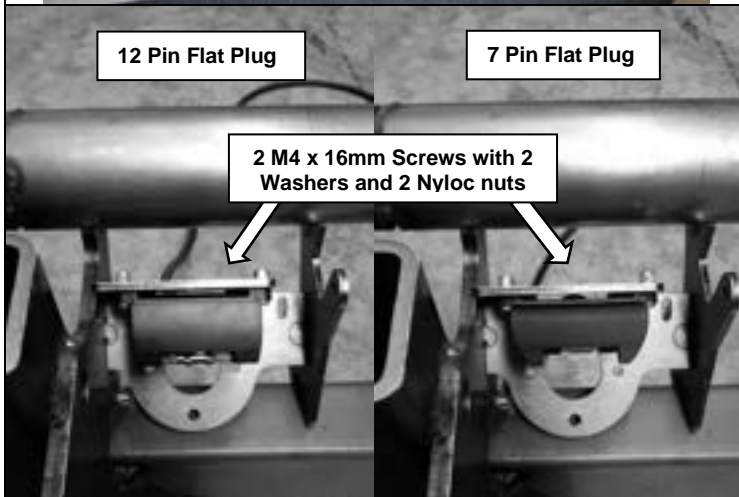
5. Place the OE Tow Bar chassis mount plates and OE Tow Bar spacers in to the ARB Rear Tow Bar assembly as shown on left, use a tow bar bolt to hold it in place temporarily. Do this to both the LH and RH side of the Tow Bar assembly.
6. Place the OE Tow Hitch assembly in between the plates and bolt it all together.
Fit ARB supplied spacer plates if required



7. When tighten bolts, tighten them sequentially, alternate between LH and RH sides.

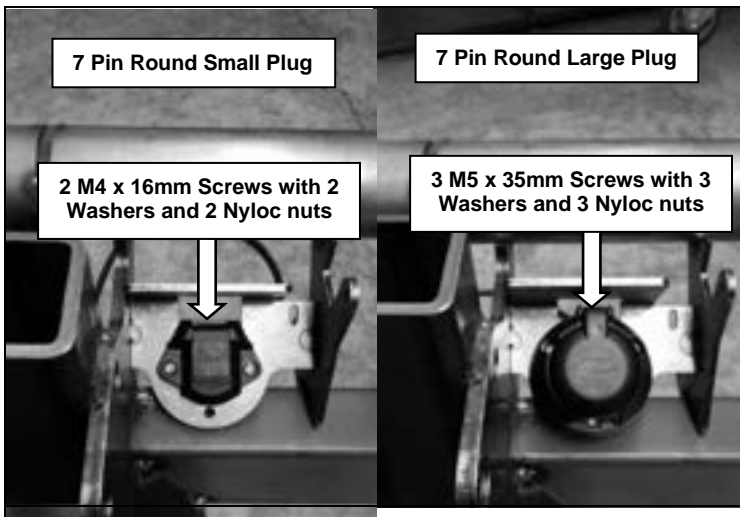


M10 44 Nm.



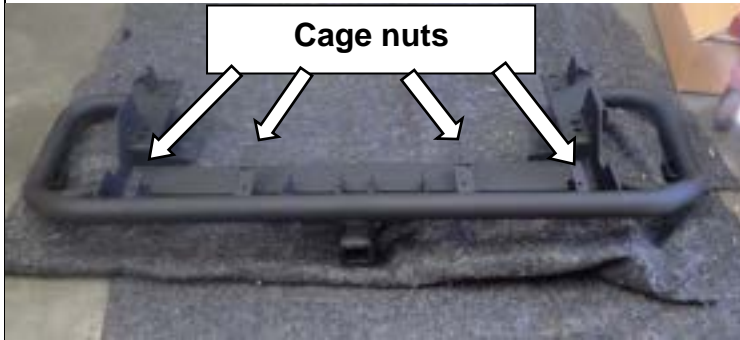
For fitment of flat trailer plugs:

8. Using the appropriate mounting holes as shown and fasteners supplied with the trailer plug, attach the trailer plug to the trailer plug bracket on the RSTB.



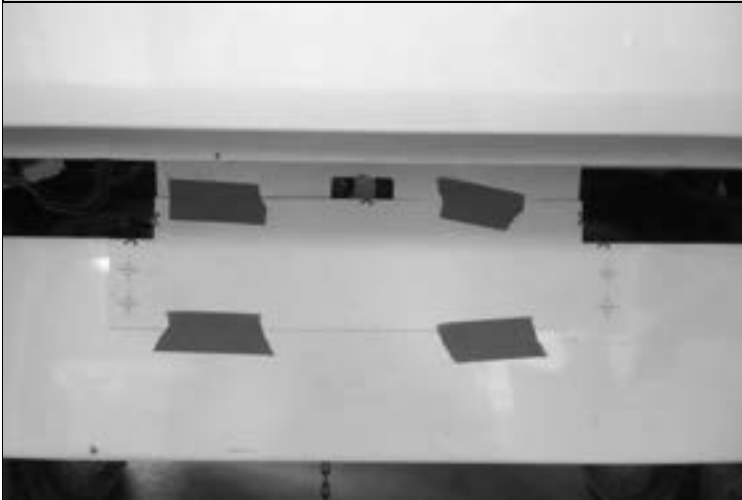
For fitment of round trailer plugs:

9. Using the appropriate mounting holes as shown and fasteners supplied with the trailer plug, attach the trailer plug to the trailer plug bracket on the RSTB.



10. Rotate the RSTB 90° so it is now resting flat on the ground as shown.
11. Fit 10 long-leg M6 caged nuts to the RSTB. Fit 5 caged nuts to the right side as shown and 5 cage nuts to the left-hand side.

RSTB TO VEHICLE



12. Place the number plate drilling template on the rear panel of the tub as shown. When aligned use masking tape to hold in place
13. Center punch the 4 holes, remove template and drill to $\text{Ø}6.5\text{mm}$ and de-bur each holes to remove all sharp edges.



Warning: Drilling operations can result in flying metal debris, safety glasses should be worn.



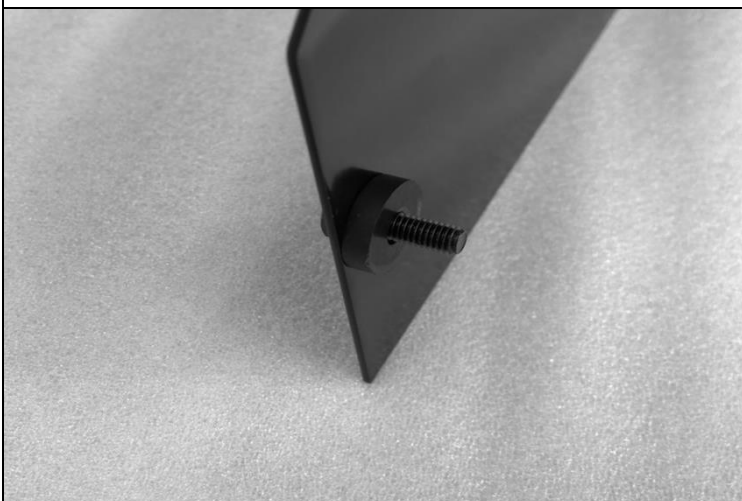
14. Temporarily fasten beaver panel to rear of tub and align upper edge of beaver panel so it is parallel with tailgate lower edge.



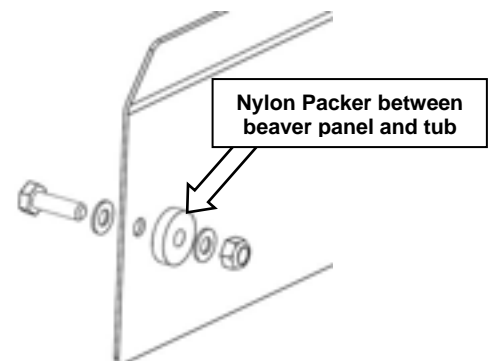
15. When the alignment is achieved drill $\text{Ø}6.5\text{mm}$ hole through tub face. Remove temporary fasteners holding beaver panel in place. De-bur the hole to remove all sharp edges.
16. Treat all raw edges with a rust preventative paint.



Warning: Drilling operations can result in flying metal debris, safety glasses should be worn.



17. Insert M6X20 bolt and washer through beaver panel and position spacer as shown



RSTB TO VEHICLE

18. Attach beaver panel to rear of tub as shown using single M6 fastener

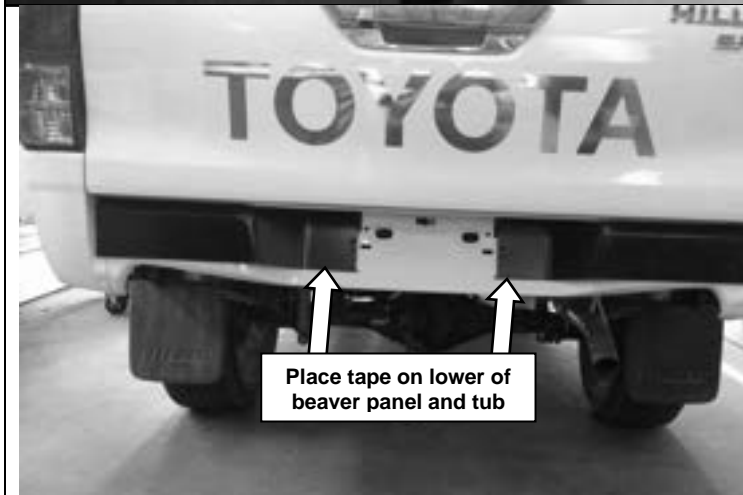


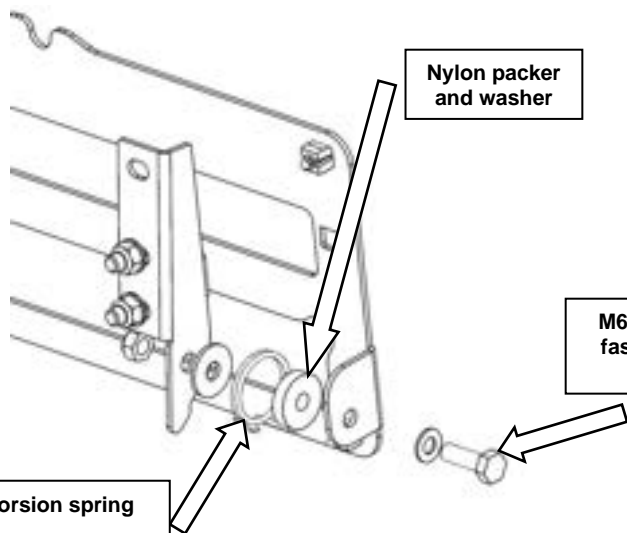
M6 X 1.0 - 9 Nm.

19. Repeat steps 14 to 19 for left hand side.

20. Place tape in center section to temporarily hold beaver panel in place

21. Insert canoe clip into both LH and RH number plate mount brackets as shown.





22. Assemble LH license plate bracket as shown taking note of mounting bracket orientation. Repeat step for opposite side of license plate bracket.
23. Tighten the screws enough so the brackets can be rotated by hand but not freely by themselves.



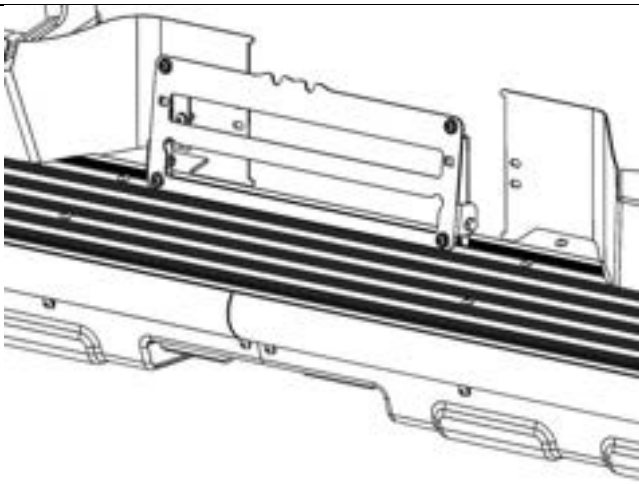
24. Complete assembly should look like picture shown.



25. Tighten the M6 bolts on both LH and RH brackets enough so the brackets can be rotated by hand but not freely by themselves.



M6 X 1.0 - 9 Nm.

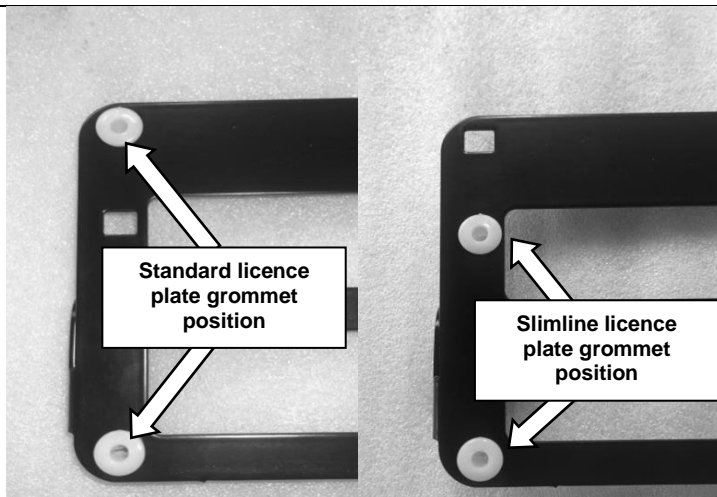


M6x20 black button head fastener with black flat washer. M6 nyloc and flat black washer on tub inside face

26. Fix the license plate assembly to the beaver panel using 4 M6x1.0x16 button head screws, 8 M6 flat washers (black), and 4 M6 nyloc nuts as shown.
27. Tighten all screws to the specified torque.



M6 X 1.0 - 9 Nm.

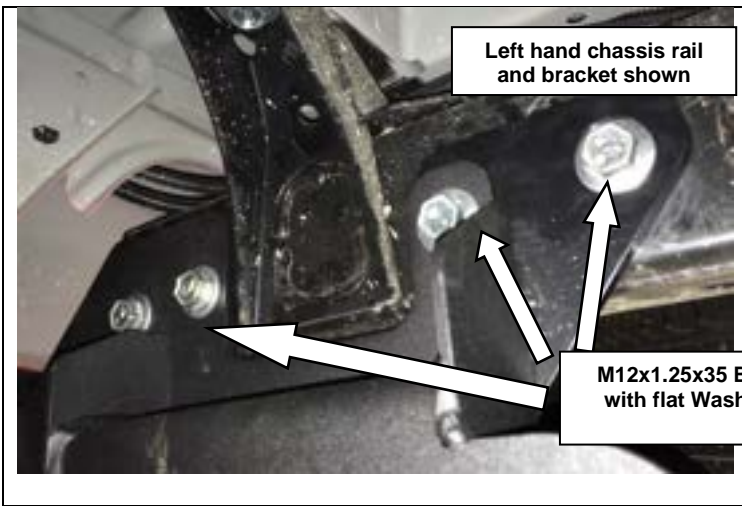



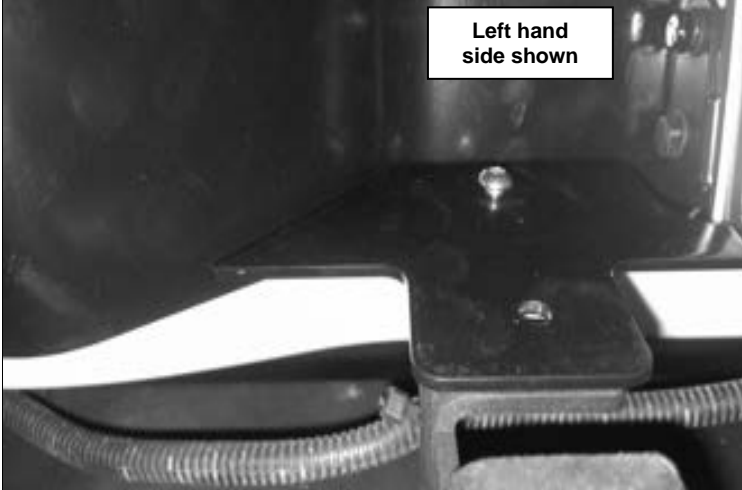


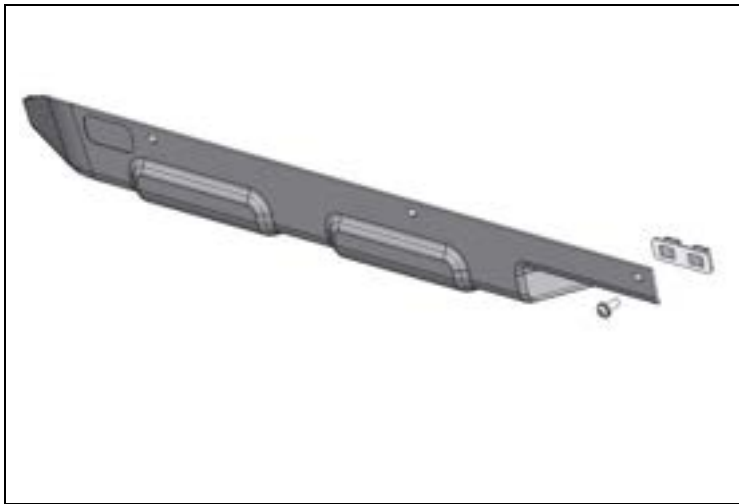
28. Insert 4 plastic grommets into number plate frame to suit licence plate size



29. With the assistance of other people or a 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.

	<p>30. Fix the vertical plates of the RSTB to the threaded holes in each chassis rail using the 4 M12 OE fasteners per chassis rail. Leave finger tight at this stage.</p> <p>31. Check RSTB spacing to vehicle and tighten all fasteners to the specified torque.</p> <p> M12 X 1.25 - 95 Nm.</p>
	<p>32. Route the trailer plug loom through the RSTB and attach to the appropriate connector on the RSTB wiring harness or vehicle loom as shown.</p> <p>33. Ensure all trailer tail lights function normally.</p> <p>Note: Test that the trailer park, brake and reverse lights function normally. Also test the left and right indicators along with the hazard setting.</p>
	<p>34. Tidy and fasten all wiring using cable ties and the slots in the RSTB brackets, as well as existing fastening locations.</p> <p>Warning: Make sure all wires are securely fastened away from any hot, sharp or moving surfaces. Do not fasten wiring harness to fuel or brake lines.</p> <p>35. Ensure trailer tail lights function normally as per step 36.</p>
	<p>36. Fit infill plate on either side of licence plate as shown using 1 M6 X 16 Stainless button head screw per infill plate. Only hand tighten fastener at this stage ensuring second hole is aligned.</p>



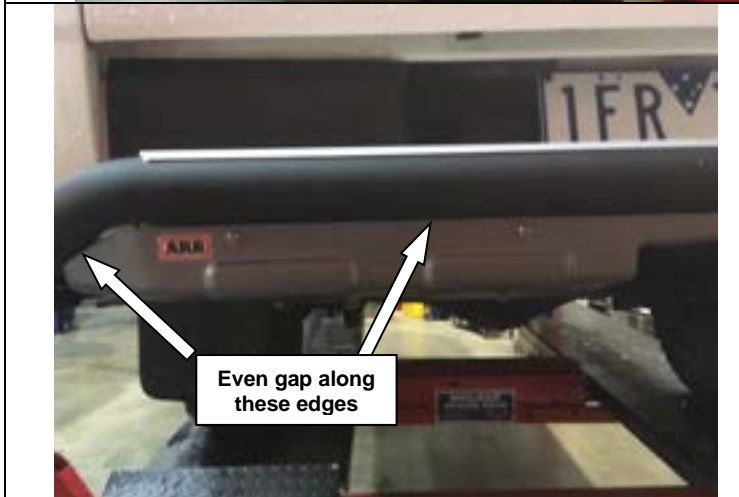
37. Fit the diffuser mount plate with an M6 x 16 M6 Stainless Steel button head screw and M6 flat washer to either the LH or RH diffuser as shown,




38. Position the diffuser panels on either side of the receiver tube as shown.



39. Attach the diffuser panels to the RSTB using 10 M6x16 button head screws and M6 stainless flat washers. Hand tighten screws.



40. Position each diffuser panel so there is an even gap between the panel and the RSTB tube. Tighten fasteners to the specified torque.

 M6 X 1 -9 Nm.



41. Attach the step plate extrusion to the RSTB using 8 M6x1.0x16 button head screws. Proceed to tighten fasteners installed in step 61

NOTE: Do not install washers under the 8 M6 button head screws that are fixing the step plate extrusion to the RSTB

42. Reattach the spare wheel beneath the vehicle.

FITTED PRODUCT

