

Part Number:	5614010 / 5714010 / 2814040
Product Description:	HILUX ROGUE/SR5 SUMMIT MKII REAR BAR
Suited to vehicle/s:	2022ON TOYOTA HILUX WITH OE TOW BAR FITTED (Equipped with rear blind spot monitors)
Optional Accessory:	5714010 – LOWER PROTECTION RAIL KIT
	2814040 – RECOVERY POINT PAIR
For vehicles without	3600010 - RSTB WIRING INCLUDING ECU
factory wiring:	3600020 - RSTB SOCKET & TAIL 7 PIN FLAT
	3600030 - RSTB SOCKET & TAIL 12 PIN FLAT

WARNING

NOTE THE FOLLOWING:

- This product must be installed exactly as per these instructions using only the hardware supplied.
- Do not use this product for any vehicle make or model, other than those specified by ARB.
- 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.

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 Carnauba 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	METRIC SOCKET SET
METRIC ALLEN KEY SET	TORQUE WRENCH CAPABLE OF 102Nm

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	
M12 (8.8)	77Nm	57lbft	
M12 (10.9)	95Nm	70lbft	
M12 (11.9)	102Nm	75lbft	

PARTS LISTING				
APPLICATION.	PART NO.	QTY	DESCRIPTION	
	4655383	1	REAR BAR WELDED ASSY	
	180302	8	CABLE TIE 4.8 X 180 MM BLACK	
	3163282	2	RADAR COVER R/BAR	
	3195154	2	PLATE-SPACER	
	4584329	8	WASHER FLAT M6x12.2x1.2 BTZP480	
	5848509	4	GASKET - REAR BAR RADAR COVER	
	6151173	8	NUT FLANGE M6 ZNB480 SERRATED	
REAR BAR FITMENT	6151213	8	BOLT HXHD M6x1.0x20 PC8.8 ZNB480	
	6151256	10	SCREW BHD M6x16 SS MG304	
	6151300	10	NUT CAGED M6 2.6-3.5 956-C	
	6151384	4	SCREW ST PHD 5.2x16 PH PC8.8 BTZP480	
	6602018	2	ALCHOL SWAB SINGLE SACHET	
	665044	1	3M PRIMER STICK	
	6821189	4	GROMMET RND FC 1500 080 090	
	3195328	1	ALUMINIUM TREADPLATE	
OPTIONAL: LOWER PROTECTION TUBE KIT	4655386 L&R	1 PR	WELDED ASM TUBE KIT SUIT HILUX	
	4584393	4	WASHER FLAT M8x19x2 HV300 BTZP480	
	6151235	4	NUT FLANGE M8x1.25 BZP	
	6151546	4	BOLT HXHD M8x1.25x25 PC8.8 BTZP480	
	6151657	4	NUT FLANGE M12x1.75 PC8 TZP480	
	6152127	4	BOLT HXHD FL M12x1.75x30 PC8.8 ZNS480	
	4655387 L&R	1 PR	WELDED ASM RECOVERY POINT	
	4655388 L&R	1 PR	WELDED BRKT RECOVERY POINT	
	211512	1	OPERATOR INSTRUCTION CARD	
	2125484	2	RECOVERY POINT WARNING LABEL	
	3194821	2	PLATE ASSY CHASSIS	
OPTIONAL: RECOVERY POINT PAIR	4581040	2	WASHER FLAT M10x25x3 TZP480	
	6151478	2	NUT FLANGE M10x1.25 TZP FINE PITCH SERRATED	
	6151686	2	BOLT HXHD M10x1.25x30 FT PC10.9 TZP480	
	6151817	8	BOLT HXHD FL M12x1.25x40 PC11.9 ZAB1000	
	6152022	8	BOLT HXHD FL M12x1.25x70 PC10.9 ZAB1000	
	6152023	12	NUT FLANGE M12x1.25 PC10.9 ZAB1000	

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 type size 16 Deutsch pins is required. Suitable crimping tools can be purchased from auto electrical wholesalers as shown.			
APPLICATION PART NO. QTY		DESCRIPTION	
	3600010	1	RSTB WIRING INCLUDING ECU
TRAILER WIRING	3600020	1	RSTB SOCKET & TAIL 7 PIN FLAT
3600030 1			RSTB SOCKET & TAIL 12 PIN FLAT

OPTIONAL ACCESSORIES					
The following A	RB accessories	s can be	fitted to this product:		
APPLICATION	PART NO.	QTY	DESCRIPTION		
	3600020	1	RSTB SOCKET & TAIL 7 PIN FLAT		
	3600030	1	RSTB SOCKET & TAIL 12 PIN FLAT		
OPTIONAL ACCESSORIES	171403	1	ARB AIR LINE FITTING		
	10600030	1	ARB TRAILER CAMERA KIT		
	6594050	1	50 AMP ANDERSON PLUG		
AIR LINE FITTING	TRAILER C	AMERA I	KIT ANDERSON PLUG		

FITTING PROCEDURE – REAR BAR



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	5.	Remove the upper rear bolts on the tow bar and retain the bolts for re-fitment later.
	6.	Remove the front bolts that retains the bumper to the tow bar and loosen the rear bolts
	7.	Remove the rear bumper and set aside. Carefully unclip the parking sensor housings from the bumper for fitment into the ARB rear bar.
<image/>	8.	If the vehicle comes with a trailer plug, remove it and let it hang down with the rest of the loom. Set the fasteners aside for refitment later.

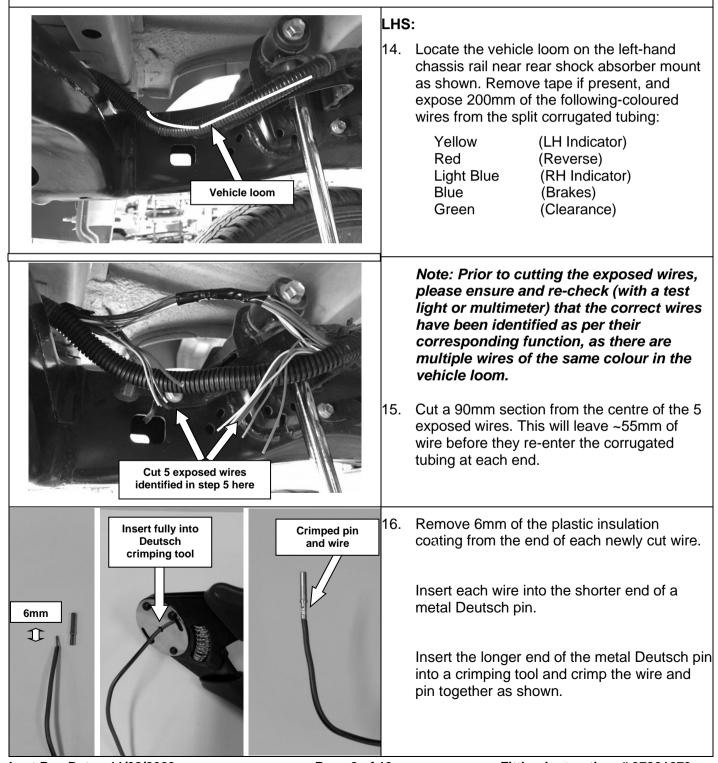
9. Using pliers, bend the LHS bracket up 90° as shown.
10. With the aid of a lifting trolley, support the tow bar so that it can be removed.
11. Remove the three bolts and two shims per side and set aside for refitment later.
12. Remove the tow bar from the vehicle.
13. Remove the tow bar mount plates from the chassis by removing the three bolts per side. Set mount plates and bolts aside for refitment later.

VEHICLE/RSTB WIRING

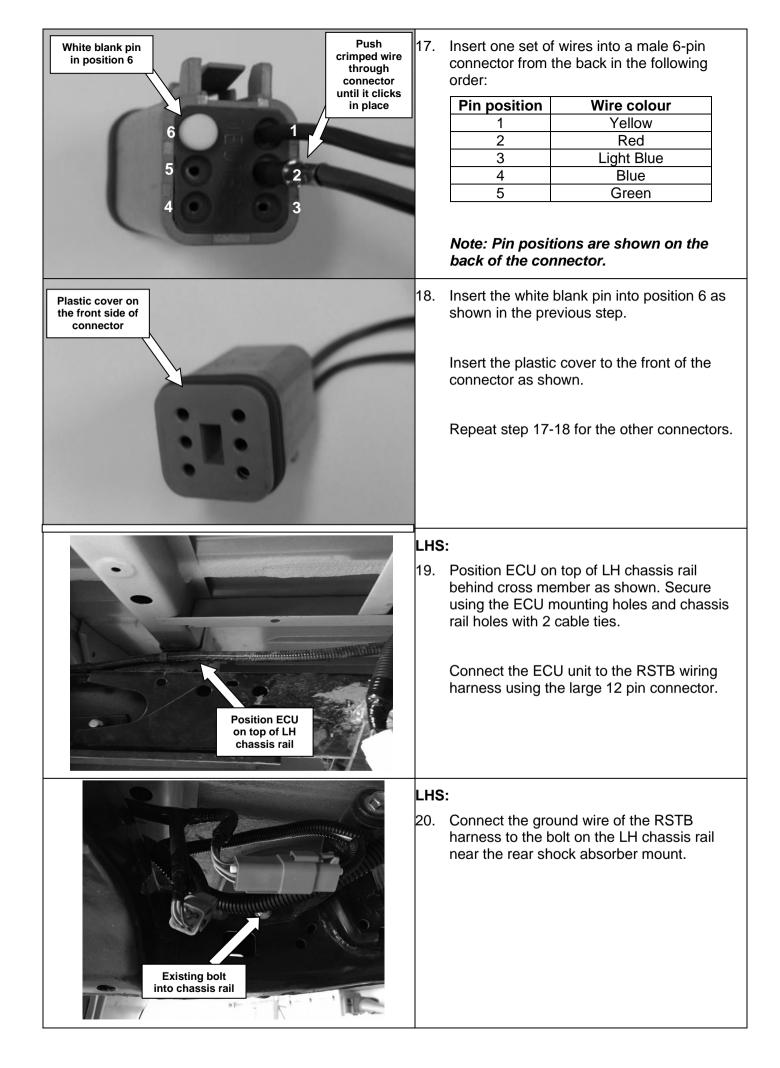
A trailer wiring solution that incorporates a smart ECU is available for this vehicle. To fit this solution, the rear vehicle wiring harness must be cut and high quality, waterproof Deutsch connectors installed to provide signal pickup points for the ECU.

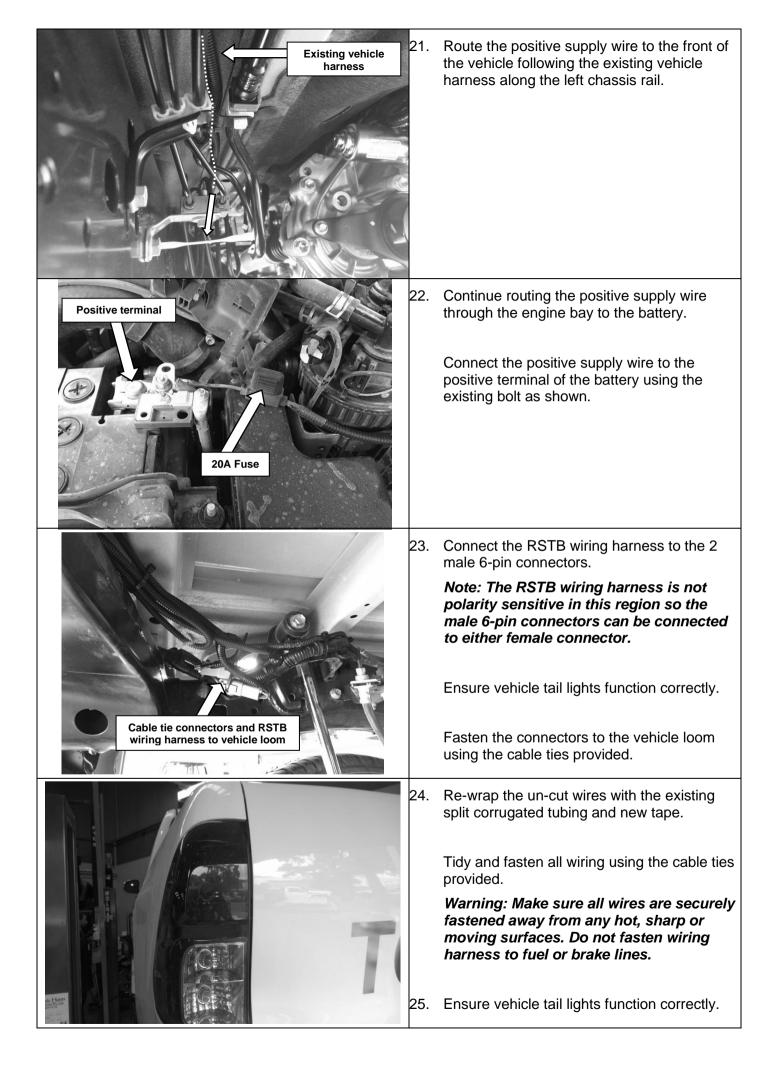
To install this loom, a suitable crimp tool is required. Refer to Page 4 for more details about the crimp tool.

Follow the steps below to install the trailer wiring solution:

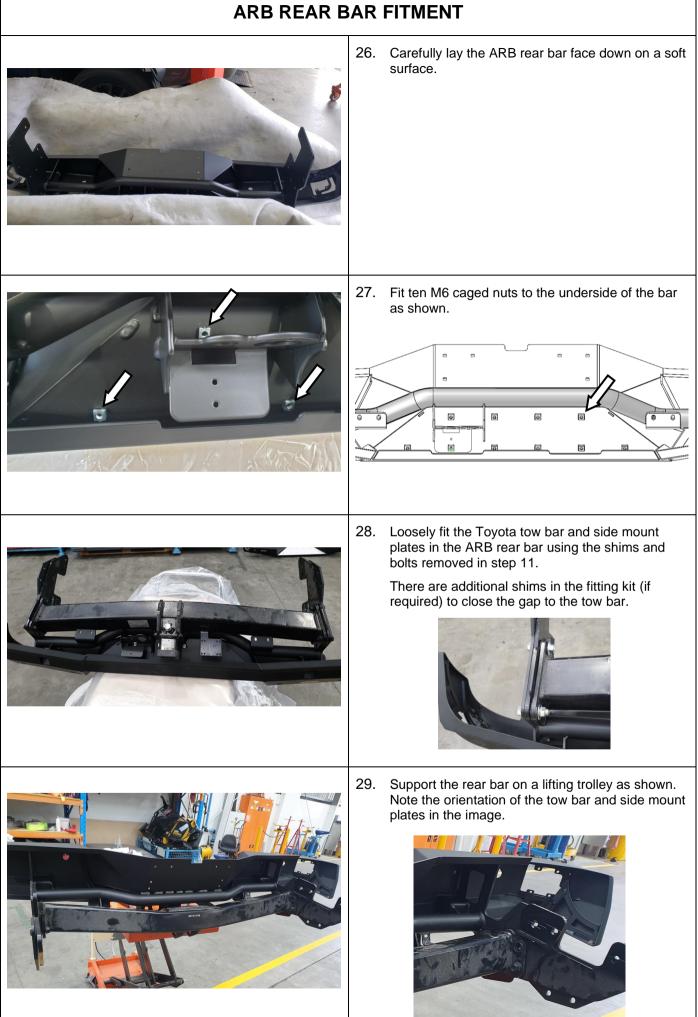


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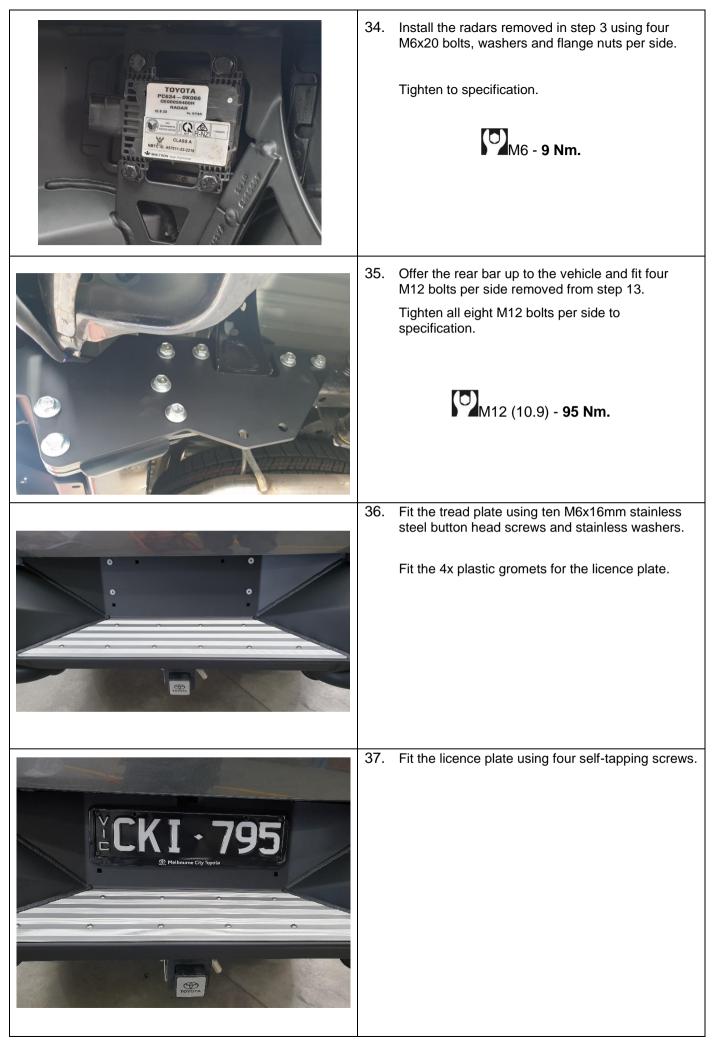


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Primer 34 Lister 1 Stater		Use an alcohol wipe to clean the surfaces on the radar covers and rear bar where double-sided adhesive tape will be applied. Use the supplied 3M primer stick on the outer flange of the plastic radar cover as shown.
	31.	Use the supplied 3M primer stick on the inner face of the radar cut-out on the ARB bar as shown.
	32.	Fit the radar gaskets to the radar covers as shown.
	33.	Fit the radar covers in the bar as shown. They must be firmly pushed into position. Note: Ensure the notch in the centre of the radar cover is facing upwards Image: Cover is facing upwards



38.	 Fit the parking sensor housings in the correct positions to the bar removed in step 7. The housings. Route the parking sensor loom and gently clip the four parking sensors into the housings. Fit the retaining clips to the four sensors as shown. Note: The sensors and housings can only be oriented/clocked one way.
39.	Connect the plugs to the radars. Ensure they are fully clipped in.
40.	If the vehicle came with a trailer plug, refit this to the tow bar using the fasteners removed in step 8.
41.	<text></text>

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FITTING PROCEDURE – RECOVERY POINTS		
	42. Steps 43-50 are for the fitment of the optional 2814040 recovery point set.	
	 43. Working on one side at a time, remove the four bolts and shims that secure the tow bar to the ARB rear bar. Retain the shims but discard the bolts & nuts. 44. Remove the front top bolt shown and retain for refitment later. 	
0 M12x45 Flange Bolt 4x M12x70 Flange Bolt & flange nut	 45. Lift the recovery point in place (RHS shown) and fit using the top front bolt (M12x45) removed in step 44, and four M12x70mm flange bolts and flange nuts supplied in the recovery point fitting kit. Leave finger tight. 	
	 46. Fit one M10x30 bolt, washer and flange nut to the top hole of each recovery point as shown. Tighten all fasteners to specification. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of the top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constraint of top hole of each recovery point as shown. Image: Constrai	

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47. Locate the Recovery point support brackets and nut sticks.
48. Feed the nut stick in through the rear of the chassis and line it up with the two mount holes.
 49. Loosely fit the support brackets to the inside of the rear bar using two M12x40mm flange bolts and flange nuts. Install two M12x40mm flange bolts up through the chassis and into the nut stick. Tighten to specification.
50. Fit the warning label as shown to each recovery point.

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FITTING PROCEDURE – LOWER PROTECTION TUBES		
	51. Steps 52-58 are for the fitment of the optional 5714010 lower protection tube set.	
	52. Remove the two M12 bolts per side shown and set aside for refitment later.	
	53. If the bar has recovery points fitted, remove the two lower M12 flange bolts and flange nuts and set aside for refitment later.	
CGR · DB2 Image: Construction of the second secon	54. Hold the lower tube in position.	

55.	Fit the two M12x45 (10.9) bolts removed in step 52. Leave finger tight.
56.	Fit the two M12x30 (8.8) flange bolts and flange nuts from the lower tube kit if there are no recovery points fitted. Note: If there are recovery points fitted, use the M12x40 (11.9) bolts and flange nuts removed in step 53. Leave finger tight.
57.	Fit two M8x25 bolts, washers and flange nuts to the inboard bracket on each tube assembly. Leave finger tight.
58.	Adjust the tube so that it sits parallel to the vehicle tub as well as the ARB rear bar wing. Tighten all fasteners to specification.
	M8 - 22 Nm. M12 (8.8) - 77 Nm. M12 (10.9) - 95 Nm. M12 (11.9) - 102 Nm.

FITTED PRODUCT – 2023 HILUX SR5



NOTICE: ONCE BAR IS FITTED:

- Ensure all bolts are tensioned correctly.
- All wiring is clear of sharp edges or moving surfaces and secured properly.
- Piping is secured well away from sharp or moving components.
- Check all wiring and connections to lamps and sensors.
- If fitted, test operation of parking sensors after fitment.

NOTE:

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.