Aftermarket Sportbar Fitting Instructions
For HardLid Isuzu D Max & Mazda BT50 20+

Part #	10057247 BLACK
	10057248 POLISHED
Instruction #	10058209

PRO-FORM | ARB 4X4 ACCESSORIES

READ INSTRUCTIONS CAREFULLY BEFORE COMMENCING THIS ACTIVITY.

General Notes
To aid in installation the correct order of installation needs to be followed:

1. Install all electrical components first (1 of 3) (electrical components are supplied seperately)
2. Install Vehicle Tub Sealing Kit (2 of 3)
3. Install vehicle tub protective products such as tub liners*
4. Install styling bar onto HardLid
5. Install the HardLid Fitting Kit (3 of 3)
6. Install the HardLid (3 of 3)
7. Install any additional accessories such as roof racks.

**HardLid is compatible with under rail and Sport Guard style tub liners. Some trimming may be required. OEM liner compatibility cannot be guaranteed. Please contact your dealer for more information.*

- HardLid is supplied with 400N Gas Struts which are suitable for an unloaded lid. Recommended maximum loading of 25 kgs when opening the lid. If you require your lid to remain open whilst loaded, you will need to purchase a Heavy Load Strut Upgrade Kit which is available through your local dealer. Please use one of the following part numbers as a reference when contacting your dealer:

ARB NZ Part #	ARB AU Part #	Gas Strut N	
10056207	176202	450N	
10056209	176201	500N	

- Read through the fitting instructions before installation of accessory.
- Check that the contents of the Fitting Kit are complete and undamaged.
- If any contents of the Fitting Kit are found incomplete or damaged they must be replaced using the specified accessory components.
- Always install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory and void the warranty.
- Ensure all recyclable discarded vehicle/accessory components and packaging are disposed following local recycling regulations.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
- Remove all metal swarf and dust from all vehicle surfaces.
- Ensure all fasteners are torqued to the specifications as per instruction.
- Apply any adhesives to the vehicle only when the surface temperature is between 20°C to 40°C.
- **Bedliner:** Recommended rust preventative solution be applied to vehicle surfaces before installation.

General Vehicle and Accessory Warranty Notes and Cautions
- For correct installation and proper operation of the vehicle and accessory we recommend this accessory is fitted by a qualified Technician.
- During the accessory fitment ensure all automotive safety practices and regulations are followed.
- Do not modify the vehicle in any way other than specified in these Accessory Fitting Instructions as this may void the warranty.

Safety Notes
- Check that all work practises comply with safety standards.
- It is advisable to seek assistance from another person when lifting heavy components.
- While using power tools ensure safe procedures are followed.
- Appropriate clothing & PPE must be worn.

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Tools Required

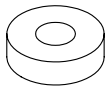
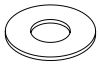
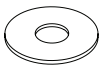
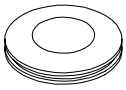
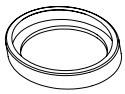
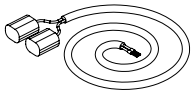
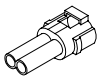
No.	Description	Image	No.	Description	Image
1	Drill		2	Metric Drill Bit Set	
3	Small Screwdriver		4	Metric Hex Key Set	
5	Non-acetic Silicone				

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Kit Contents- Hardware

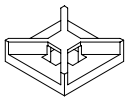
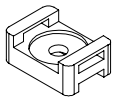
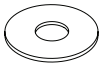
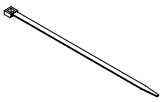
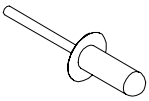
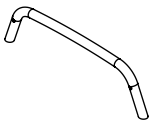
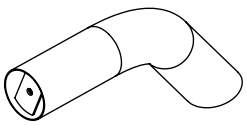
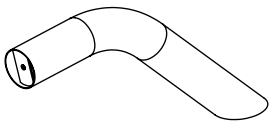
No.	Item Description	Quantity	Image	Part Number
1	WASHER 9X22X6.4MM BLK EPDM	8		10057440
2	WASHER FLAT M8X19X2.5MM SS	6		
3	HOLE PLUG BLK 22-PPL19 (This item not required for HardLid)	4		
4	WASHER M6X22X3MM BLK EPDM	6		
5	CAPSCREW B/HEAD M8X50MM SS	6		
6	WASHER SPRING M8 SS	2		
7	RUBBER BUNG	2		
8	RHS & LHS RUBBER BOOTS	RHS+LHS		
9	RHS & LHS RUBBER FEET REAR	RHS+LHS		
10	RUBBER FEET FRONT	2		
11	ISU MAZ 20+ CHMSL LOOM	1		10056960
12	PLUG MALE *NO KEYWAY*	1		
13	PLUG FEMALE *NO KEYWAY*	1		

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Kit Contents- Hardware

No.	Item Description	Quantity	Image	Part Number
14	CABLE TIE MOUNT	6		10056960
15	CABLE TIE BLK 165X2.5MM	7		
16	BRAID SLEEVE 19MM BLK	1		10055967
17	CABLE TIE MOUNT	1		
18	M5X12.5X1MM WASHER SS	1		
19	CABLE TIE BLK 303X7.6MM RELEASE	1		
20	RIVET 6.6 DOMED 4.8X14.3 ALU	1		
21	ISOPROPYL ALCOHOL WIPES 70%	2		10051664
22	3M 94 PRIMER 0.66ML	2		10051996
23	MAIN BAR	1		Please contact you supplier
24	RHS BAR	1		
25	LHS BAR	1		

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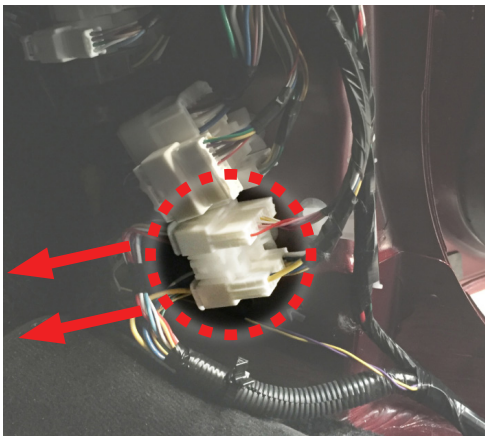
IMPORTANT SAFETY NOTICE

When installing the aftermarket sport bar the rear CHMSL needs to be disconnected.

If the sportbar is removed from the vehicle the CHMSL needs to be reconnected.

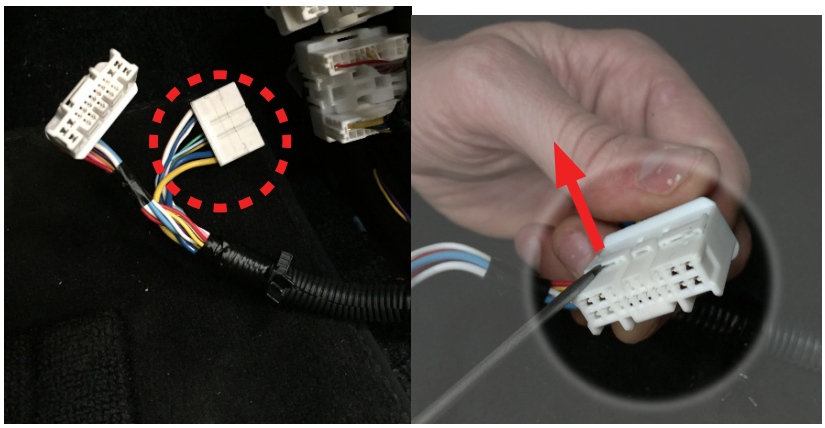
Step 1

- Remove the pinch weld and kick panel at the drivers side, front door.
- Locate the lower connectors and disconnect.



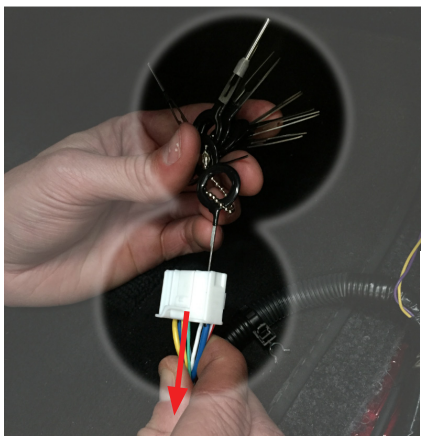
Step 2

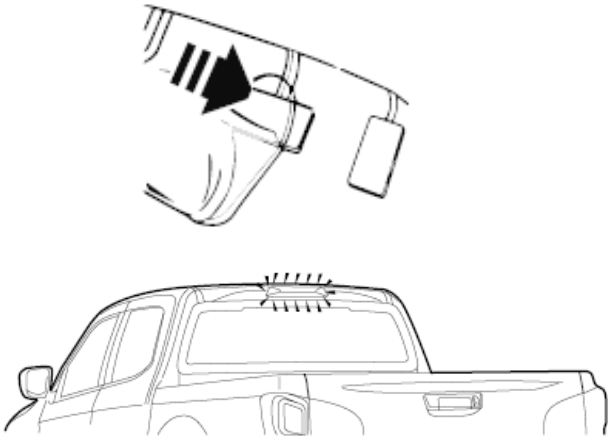
- Isolate the smaller connector.
- Using a small screwdriver, lift the clip on the rear of the connector.



Step 3

- Using a small pick, unclip and release the **solid white wire** from the connector.
- Re-connect the connectors.
- Turn the vehicle on and depress the brake pedal to ensure the CHMSL has been disconnected.
- Leaving the solid white wire disconnected, reassemble connectors and front kick panel.





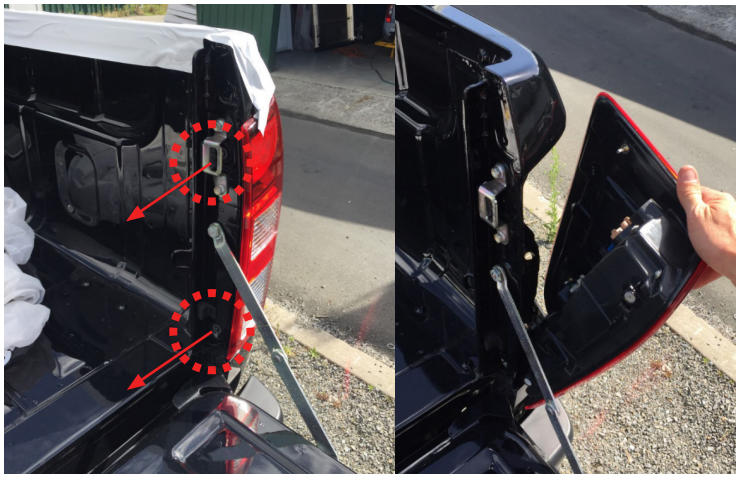
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Step 4

- Remove the tail light screws on the right hand side light. Gently pop the light out.



Step 5

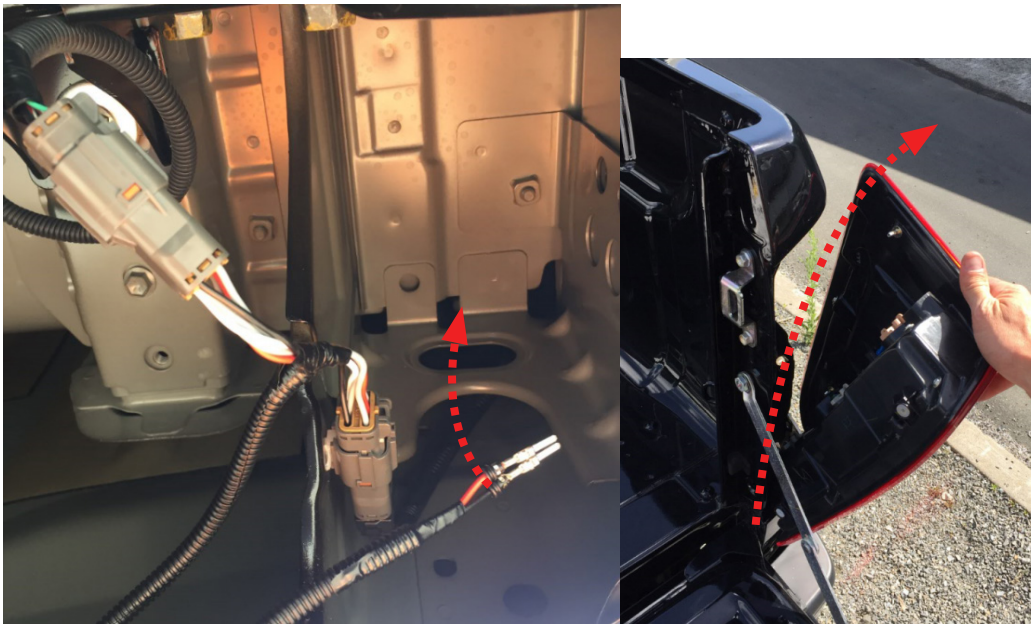
- Look beneath the rear right hand side corner of the vehicle to locate the brake light connector.
- Disconect the connector.

Note: Some vehicles may already have a patch loom installed. This needs to be removed.



Step 6

- Connect the CHMSL patch (item 11) into the corresponding connectors.
- Feed the terminals up through the cavity and out of the light cavity.



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Step 7

- Feed the patch loom up through the top corner of the vehicle tub. Pull the loom through into the vehicle tub.



Step 8

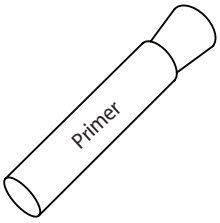
- Once the patch loom has been pulled through, fasten the loom to the chassis using a cable tie (item 15)
- Ensure the connectors are pulled up in behind the steel work to help protect them.

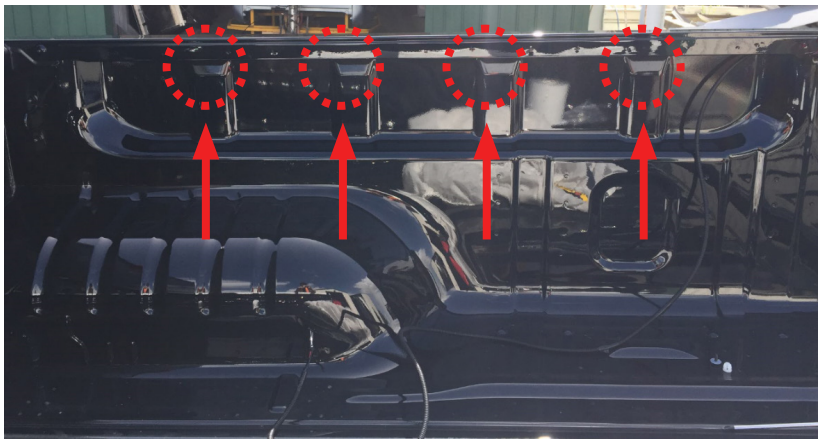


Step 9

- Clean the underside of the rail using 1 of the alcohol wipes (item 21).
- Use the 4 protruding sections as a guide and apply primer (item 22) to the underside of the vehicle rail.







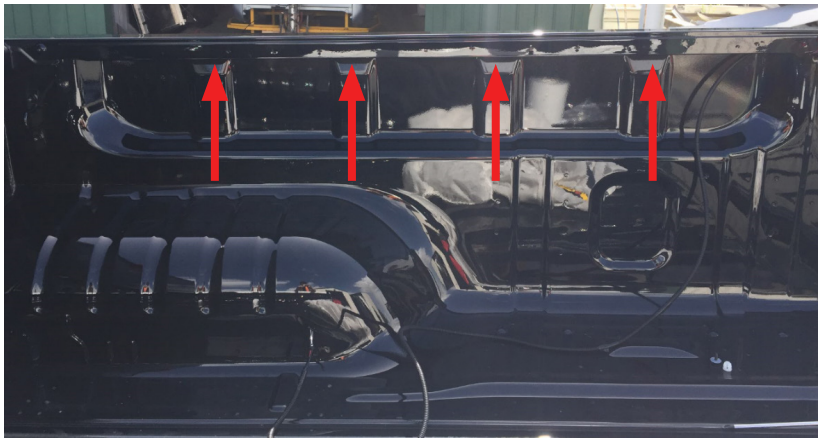
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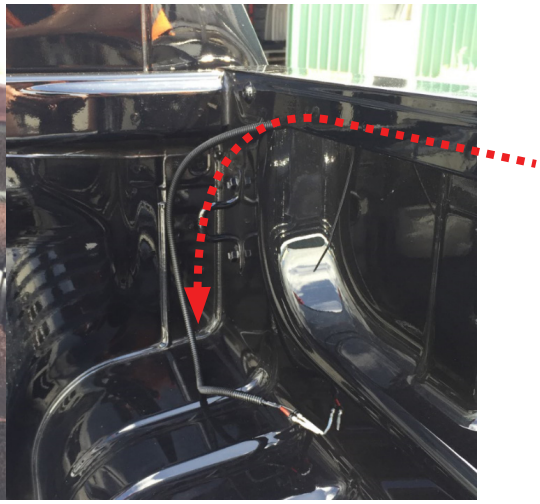
READ INSTRUCTIONS CAREFULLY BEFORE COMMENCING THIS ACTIVITY.

Step 10

- Place 4 of the cable tie mounts (item 14) underneath the rail.
- LOOSELY attach the patch loom to the mount using the cable ties (item 15).
- Ensure that the loom can still move freely as some adjustment may be required.







Step 11

- Attach the large male plug (item 12) to the end of the loom.



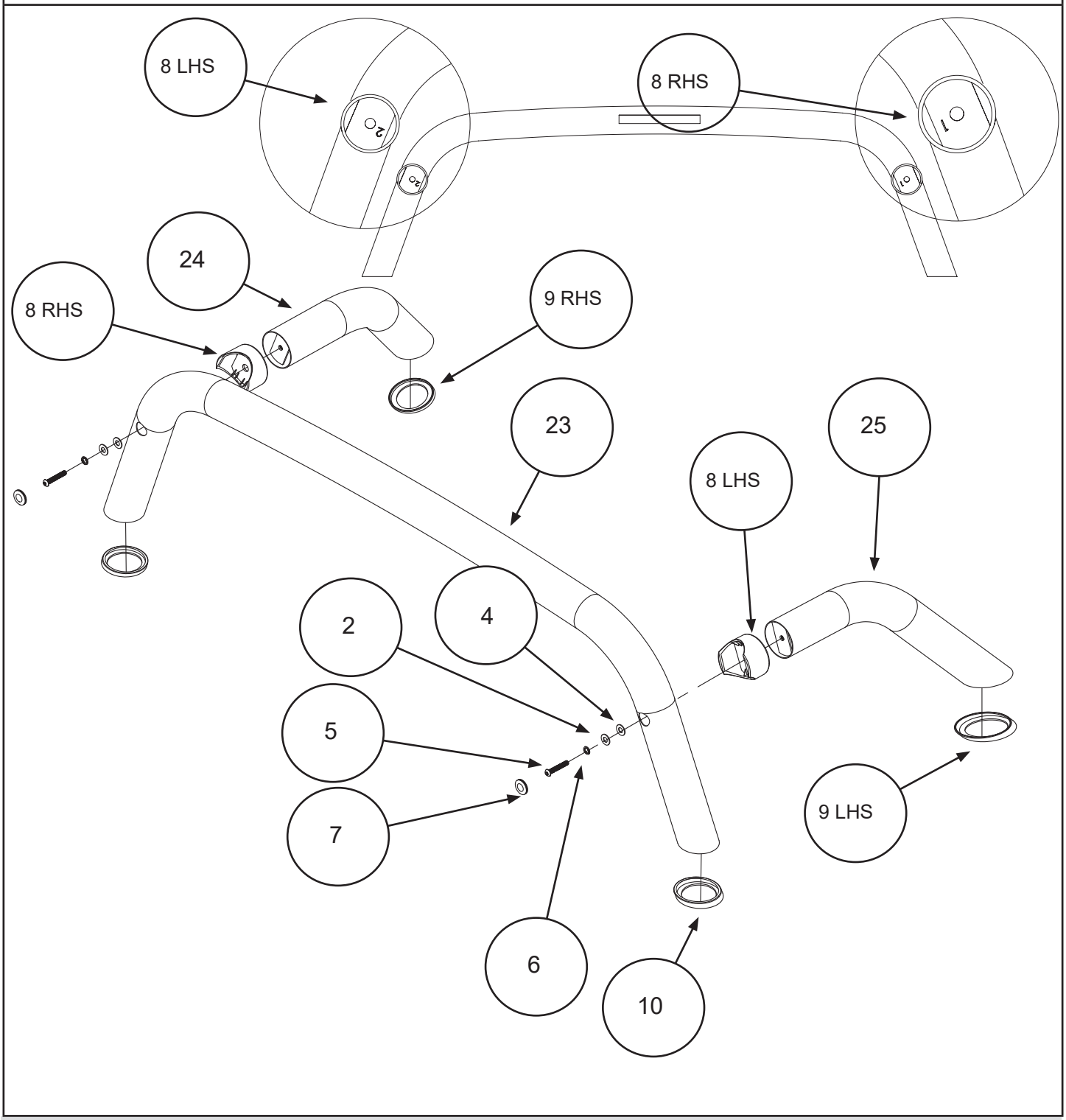
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Step 12

- Assembly bar as per below image.
- Do not fully tighten fasterners as some adjustment may be required.
- For items 8 RHS & 8 LHS, orientate with number to the bottom.



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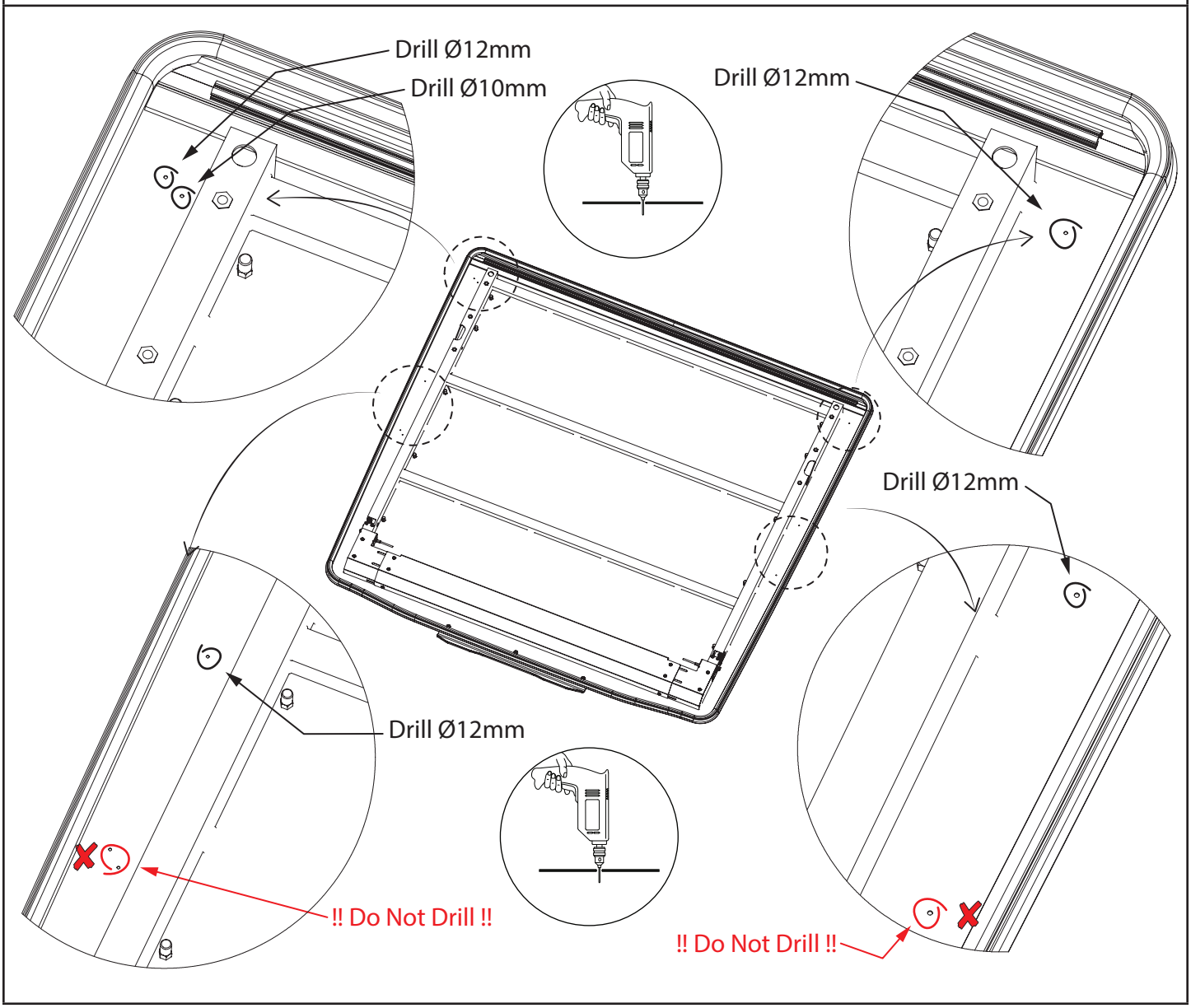
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Step 13

IMPORTANT! Take care and drill correct holes

- Using pre-drilled pilot holes, drill through the aluminium according to the below image.



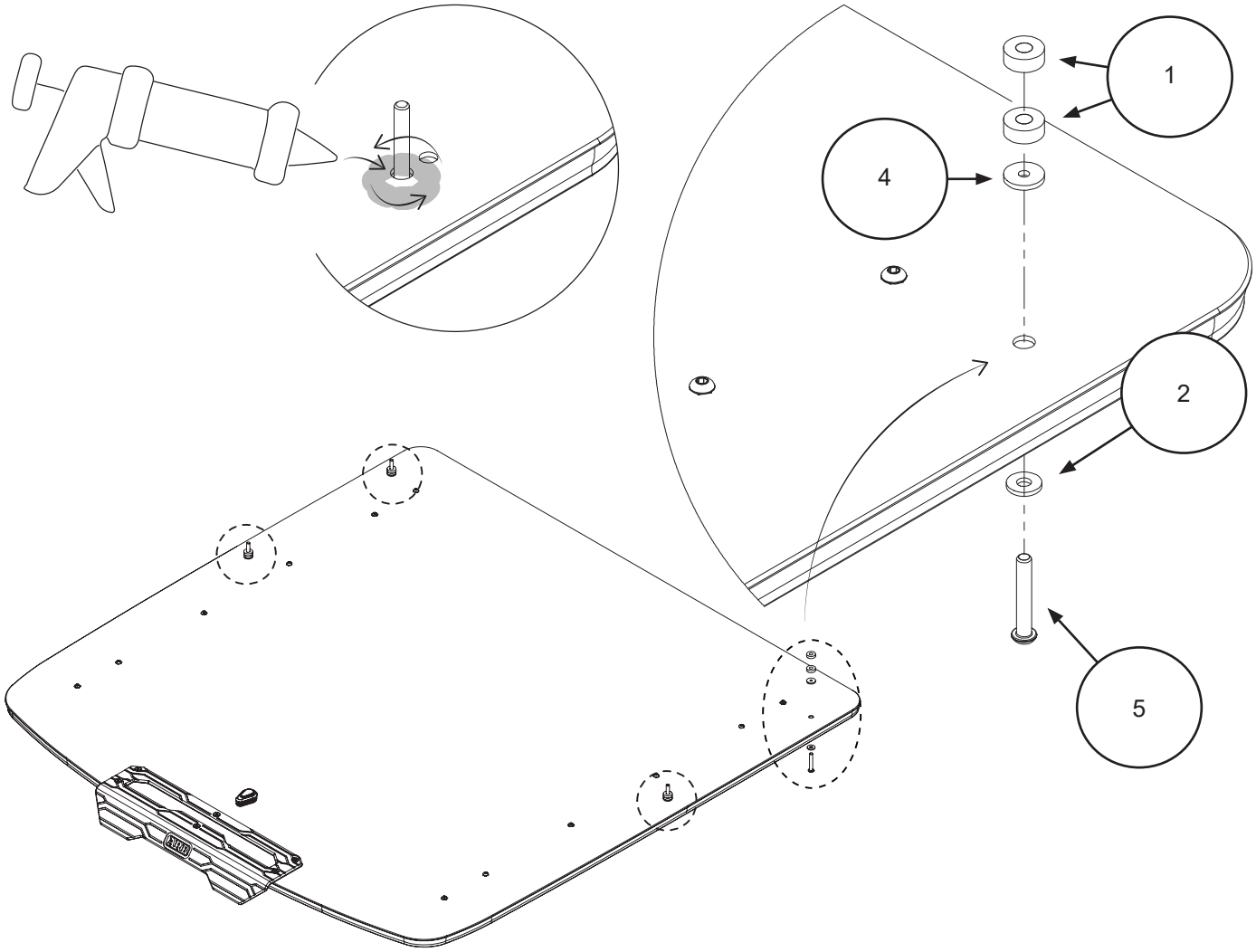
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Step 14

- Install items 1,2, 4 & 5 as per illustration.
- Place a bead of silicone around the M8 fastener, completely filling the void.



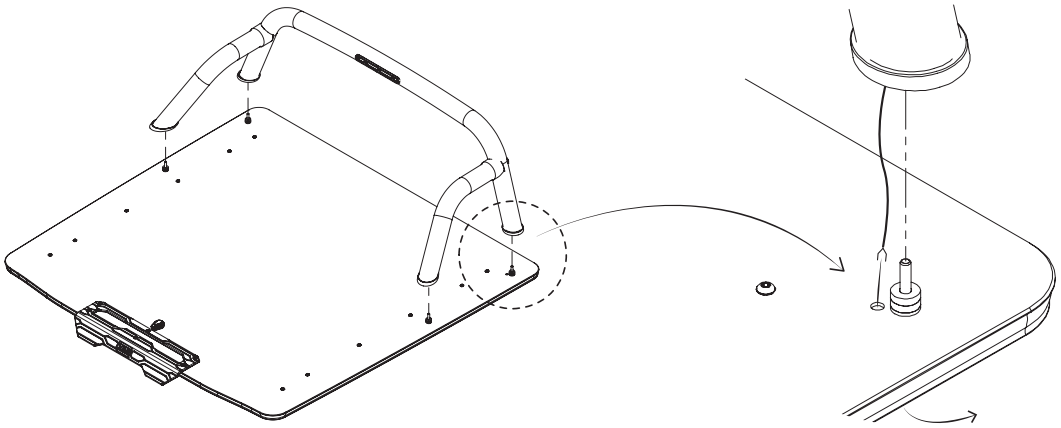
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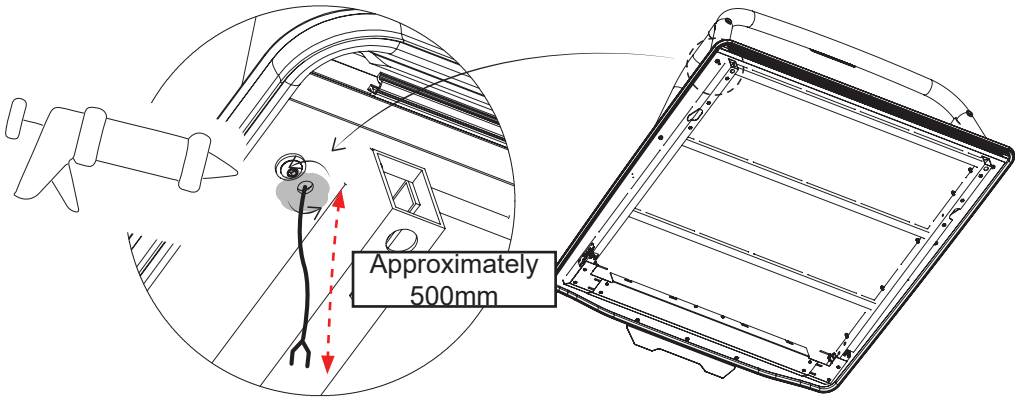
Step 15

- Place bar onto lid.
- Thread the CHMSL wiring loom through the 10mm front right hand side hole.



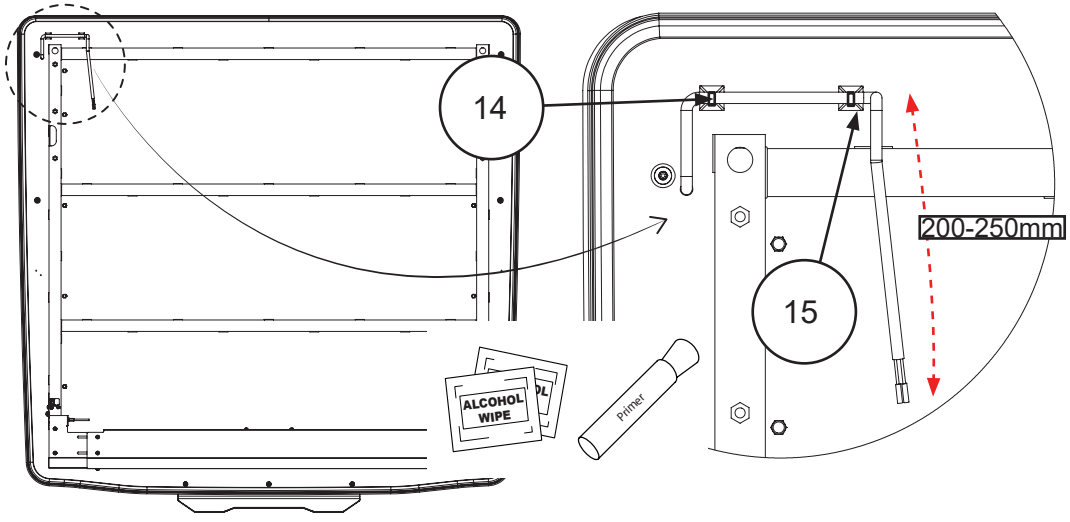
Step 16

- Pull approximately 500mm of loom through the lid.
- Seal the hole using non-acetic silicone (not supplied).



Step 17

- Move the rubber drip rail out of the way.
- Clean the area using the alcohol wipe (21).
- Prime the area using the primer stick (22).
- Place 2 X cable tie mounts (14) according to the image.
- Fasten the CHMSL wiring loom into position and clip off excess cable tie (15).



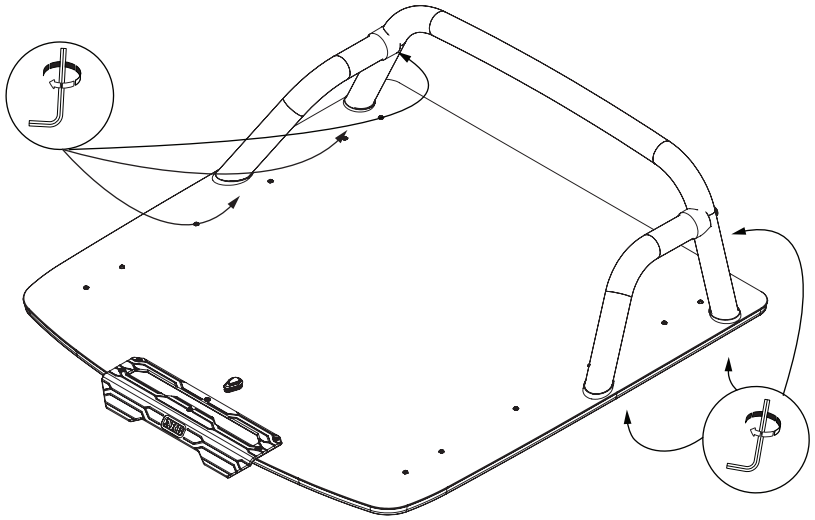
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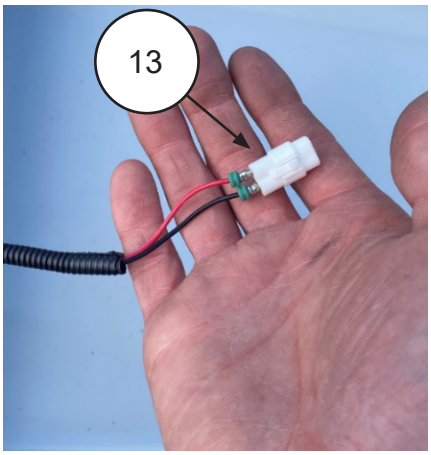
Step 18

- Tighten M8 bolts (item 5) using 5mm hex key. Compress rubber washers untill feet sit flat on lid surface (approximately 6Nm).



Step 19

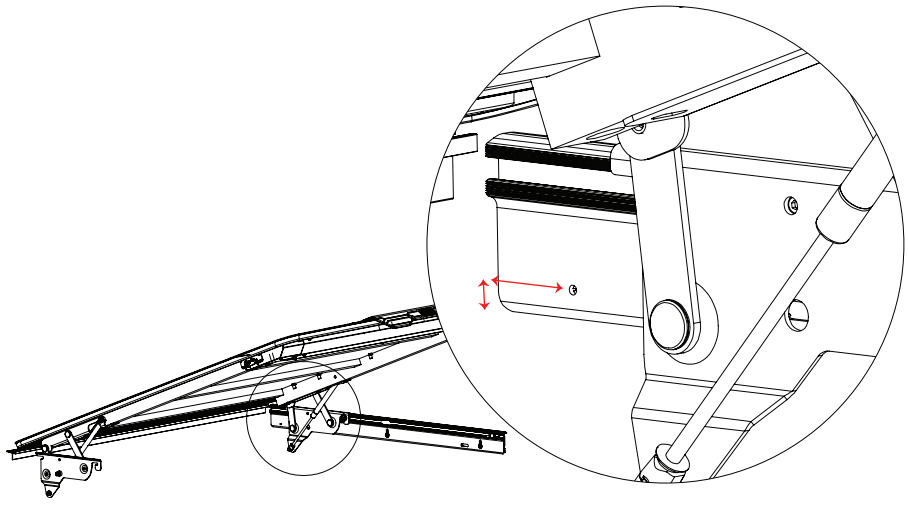
- Attach the female connector (13) to the end of the sport bar CHMSL loom



Step 20

Note: If premium kit has already been installed this step may of already been completed.

- Drill a 5mm hole in the right hand Vehicle Connector Rail (VCR) at the location shown.
- 15mm up from bottom edge, 50mm in from leading edge



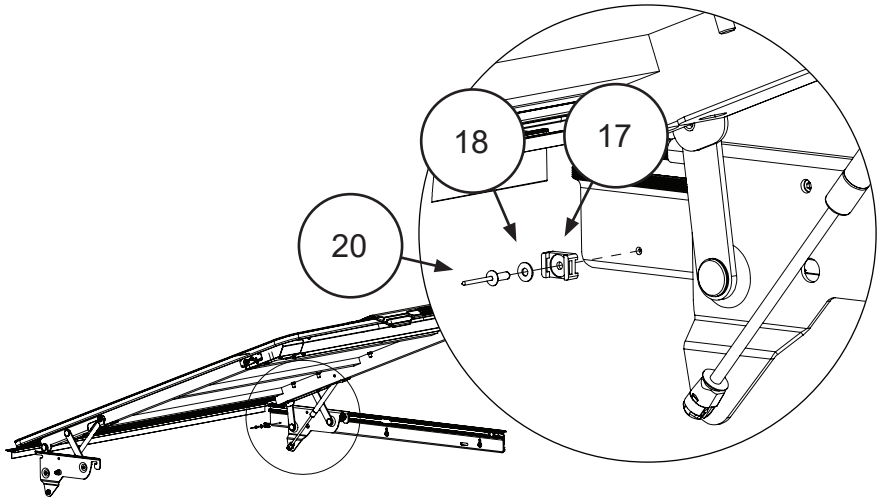
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Step 21

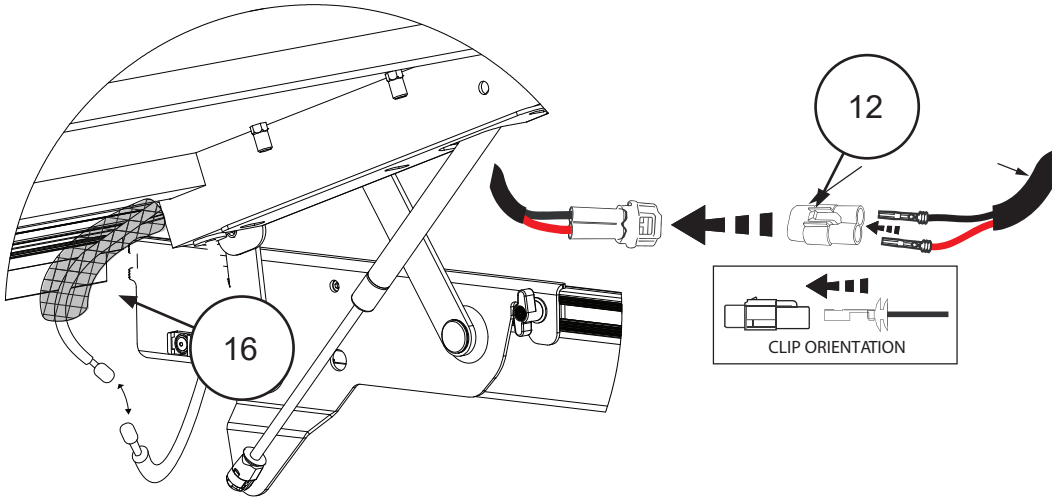
- Rivet item t18 & 19 into position using item 21.



Step 22

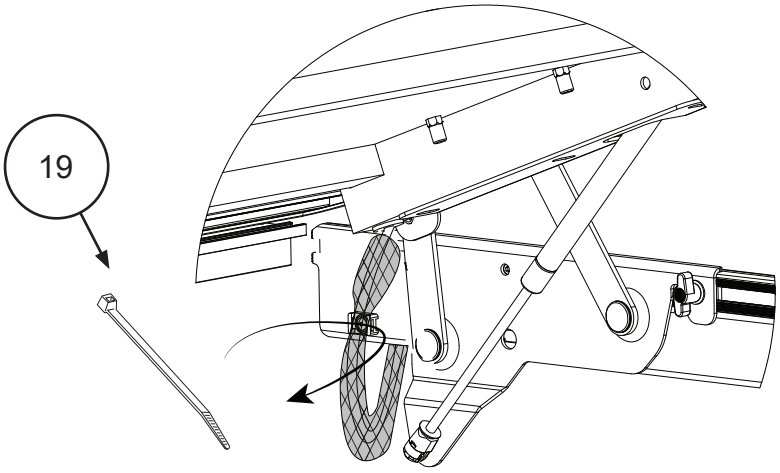
With the HardLid installed on the vehicle.

- Slide braided sleeve (16) over the exposed wiring loom (11).
- Plug sportbar plug into wiring loom plug.
- **IMPORTANT** - Ensure colours match!



Step 23

- Loosely fasten the loom to the side rail using the reusable cable tie (19).



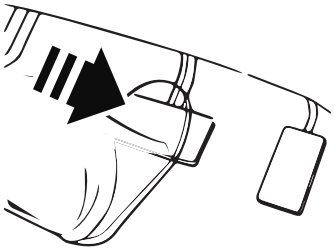
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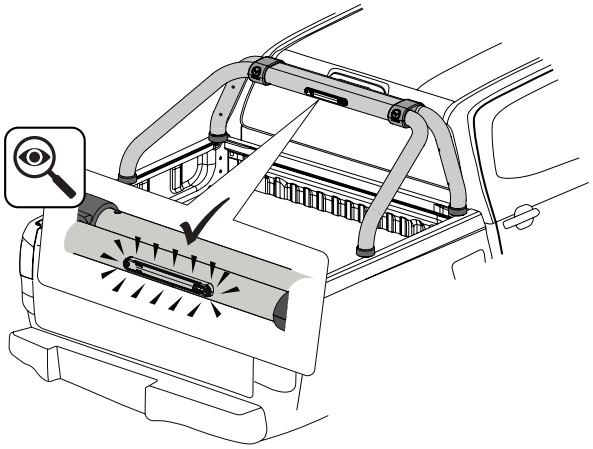
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READ INSTRUCTIONS CAREFULLY BEFORE COMMENCING THIS ACTIVITY.

Step 24

- Check brake light function.





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