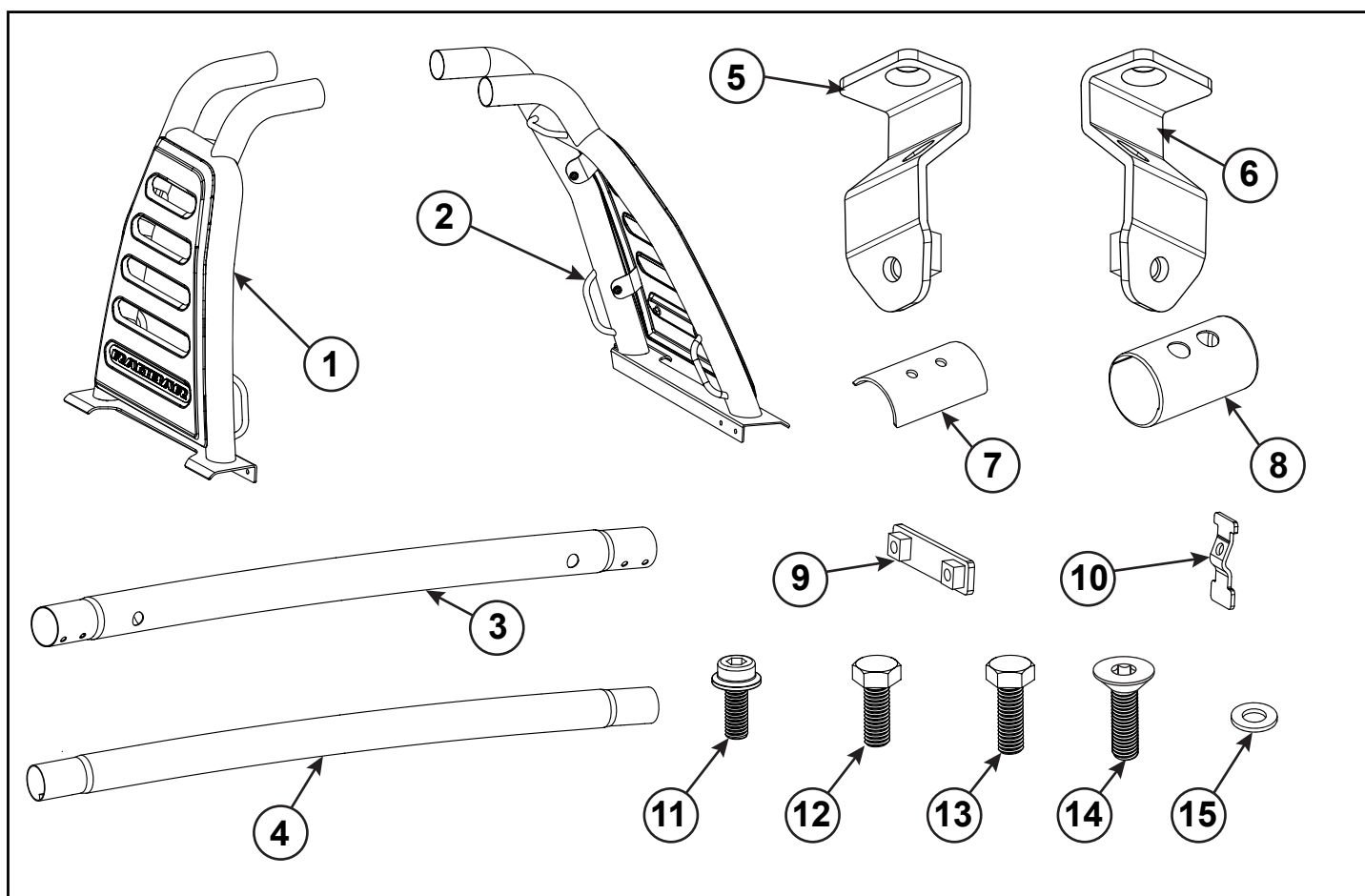
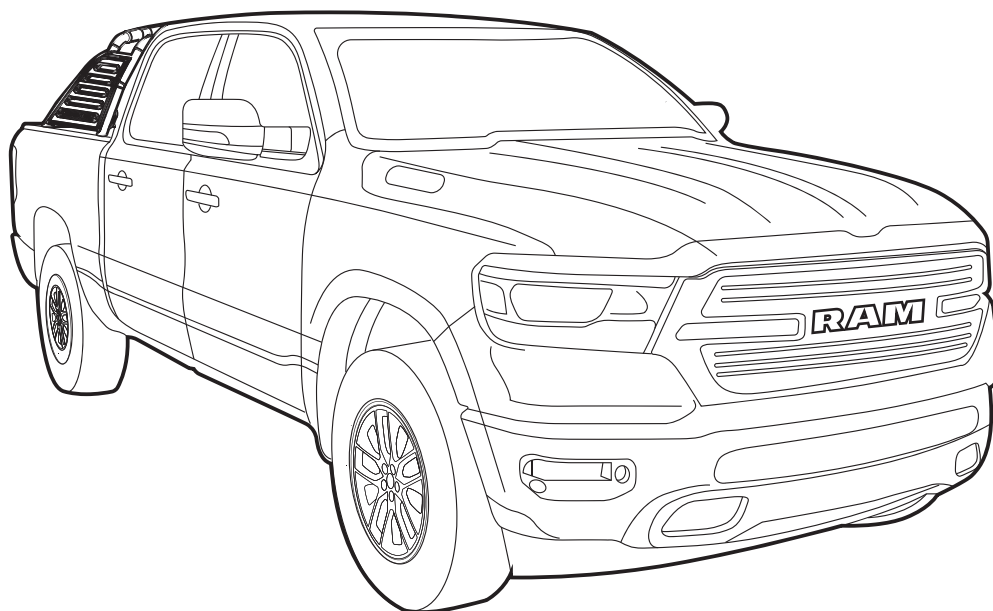


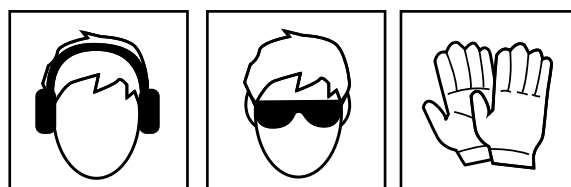
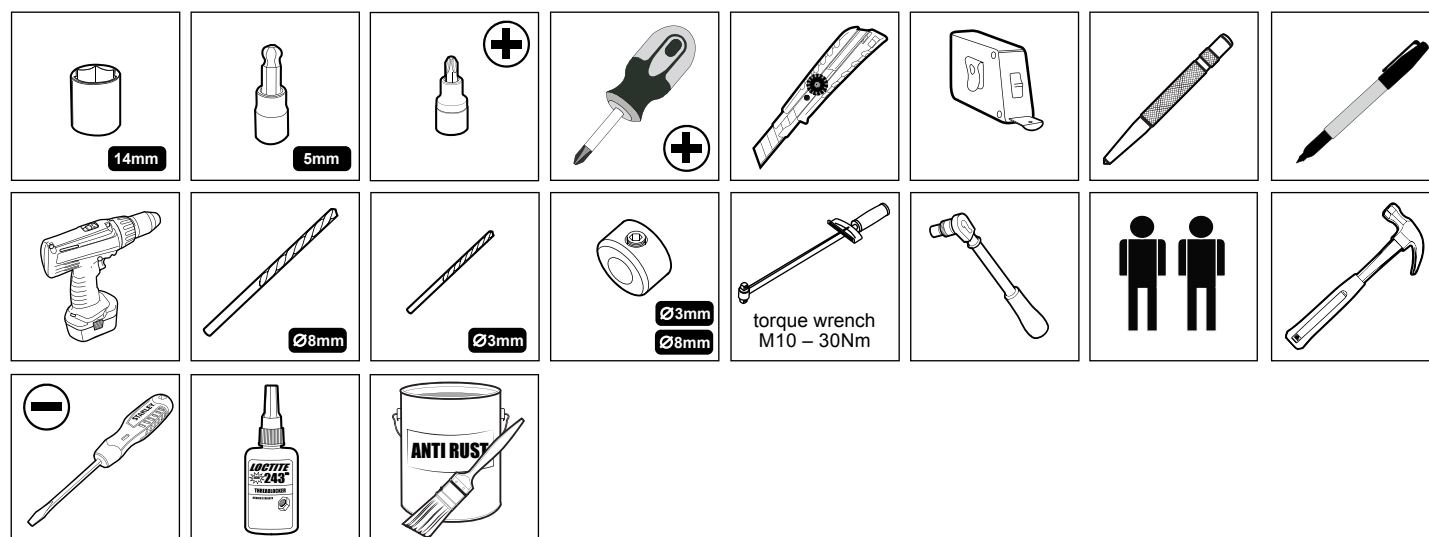


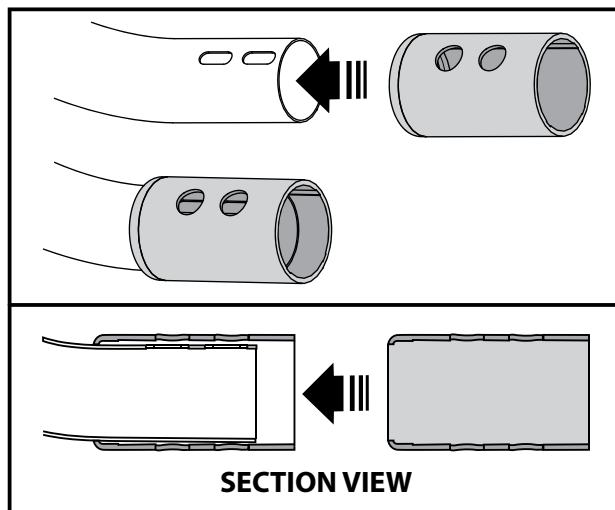
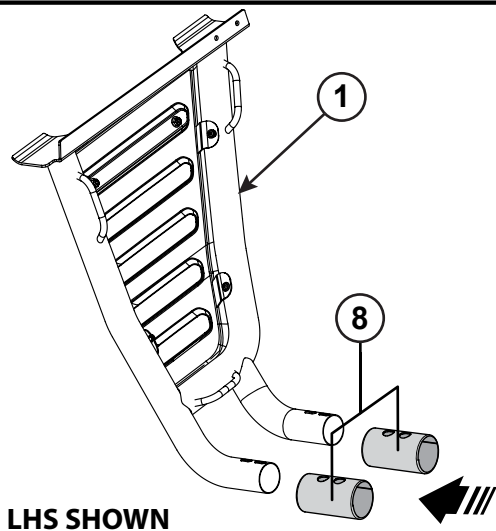
RAM RAMBAR SPORTS BAR

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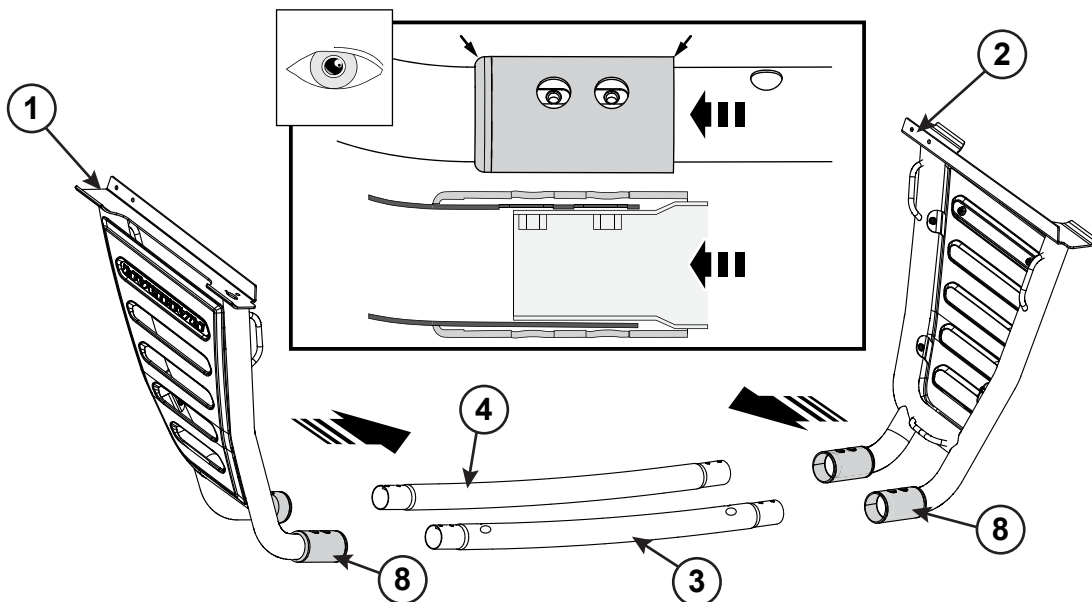


Call Out	Description	Quantity	Part Number
			82216859
1	LHS Leg	1	
2	RHS Leg	1	
3	Front Tube	1	
4	Rear Tube	1	
5	LHS Foot	1	
6	RHS Foot	1	
7	Joiner Plate	4	
8	Joiner	4	
9	Rear Foot Clamp	2	
10	Front Foot Clamp	2	
11	M8x20mm Flanged Allen Bolt	8	
12	M8x25mm Hex Head Bolt	4	
13	M8x30mm Hex Head Bolt	2	
14	M8x20mm Countersunk Bolt	2	
15	M8x1.6mm Flat Washer	6	

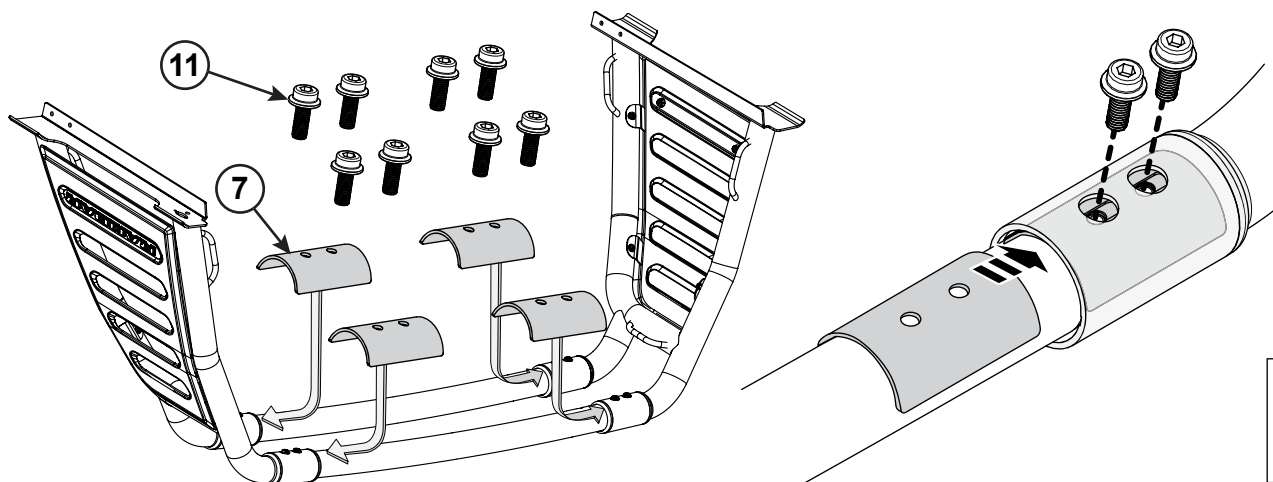




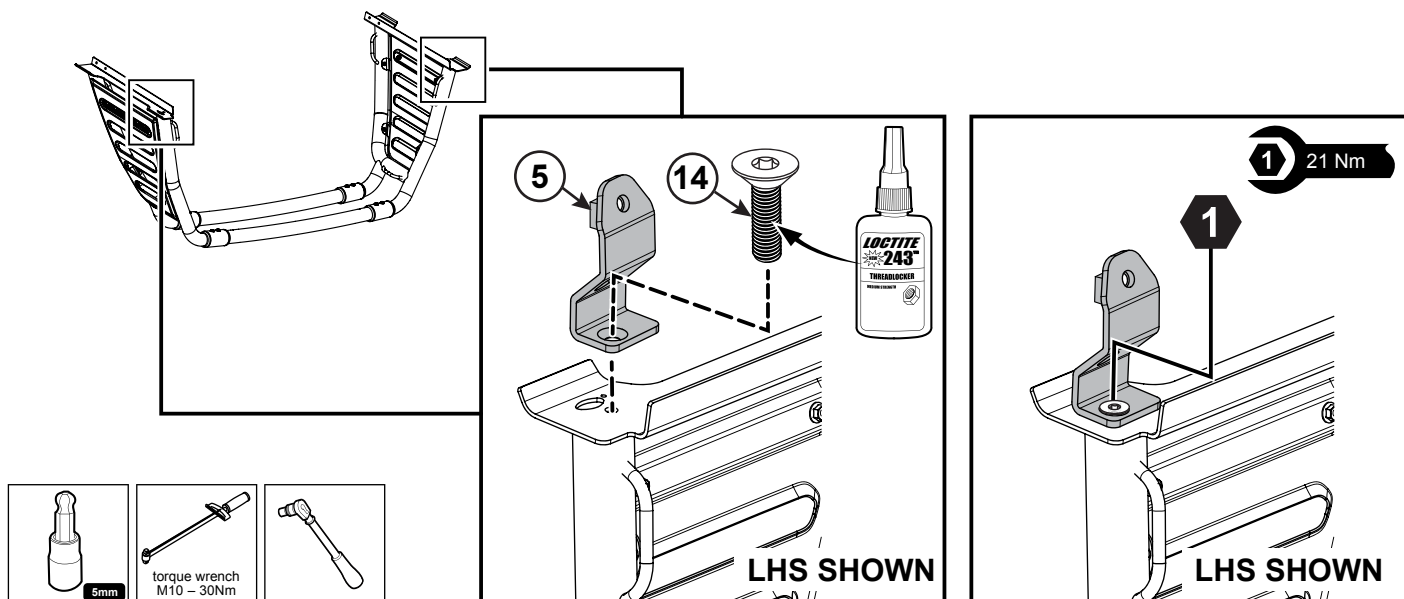
1. Assemble the Joiners (8) to the LHS Side legs (1) (by sliding the curved end over the bar first. Align the holes in the plastic Joiners with the slots in the bar as shown. Repeat the process for the RHS Side Legs (2).



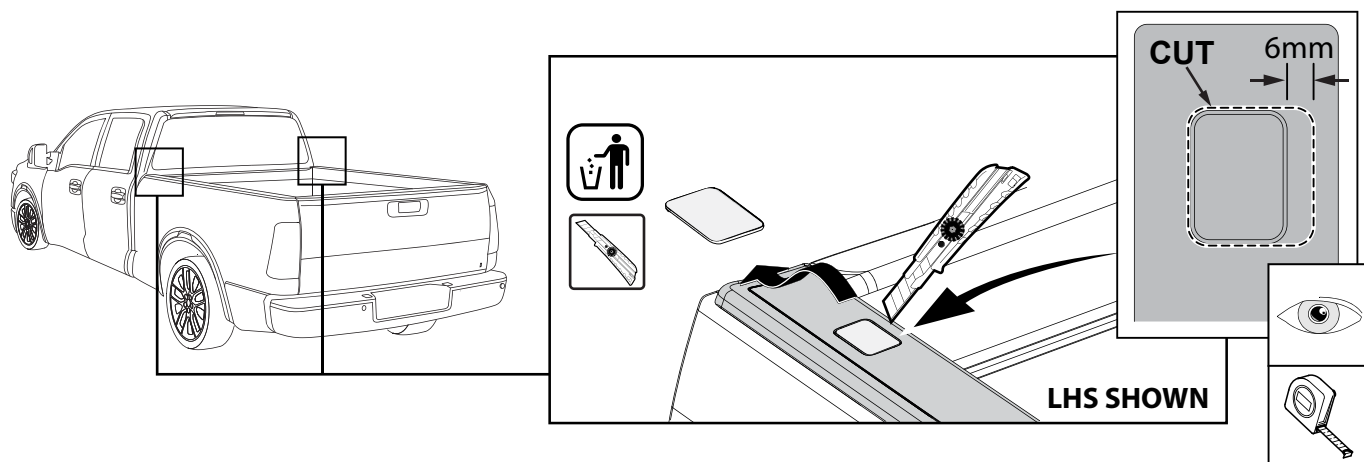
2. Assemble the Sports Bar by sliding the Front (3) and Rear (4) Tubes into the Side legs. Push the tubes into the Side legs and align the weld nuts in the tubes with the holes in the plastic Joiners (8).



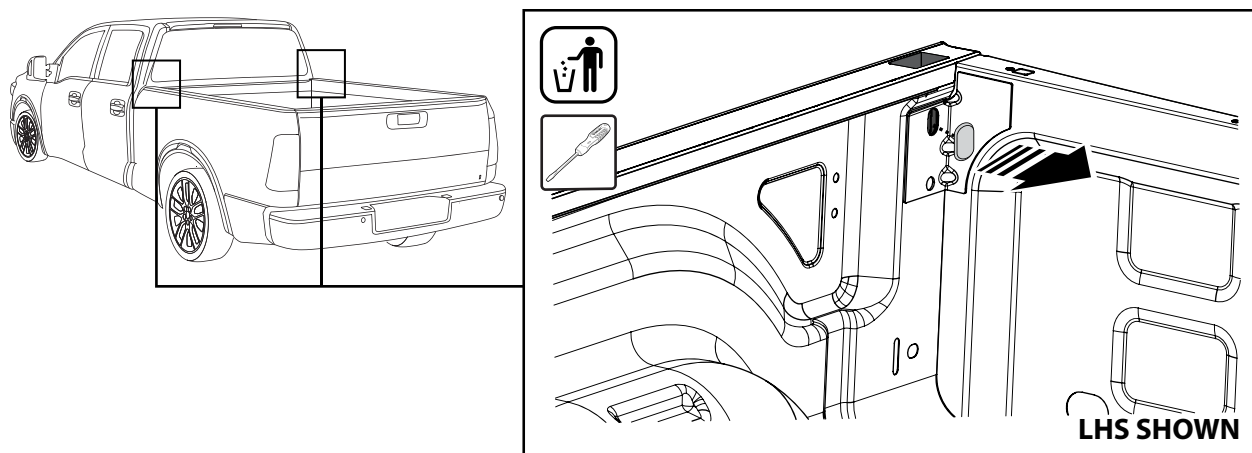
3. Slide the Joiner Plates (7) into the gaps between the plastic Joiners and the tubes and align. Secure the tubes together with the Flanged Allen Bolts (11). Do not tighten.



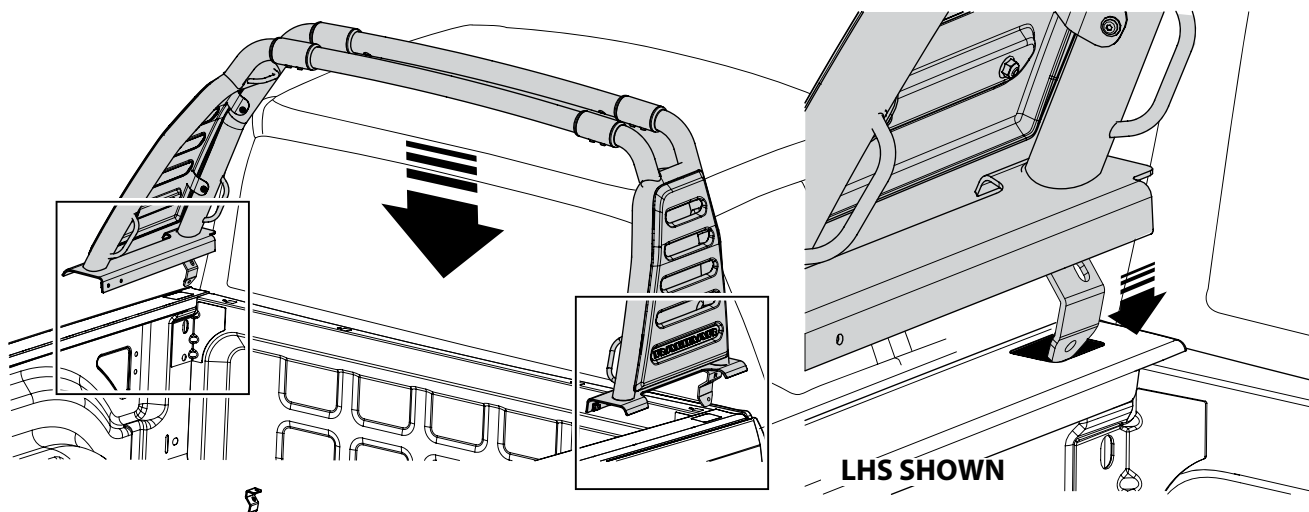
4. Apply loctite to the threads on the Countersunk Bolt (14) and assemble the Left Hand Side Front Foot (5) on tub rail bracket using the Countersunk Bolt (14). Tighten the bolts to the recommended torque of 21Nm. Repeat for RHS.



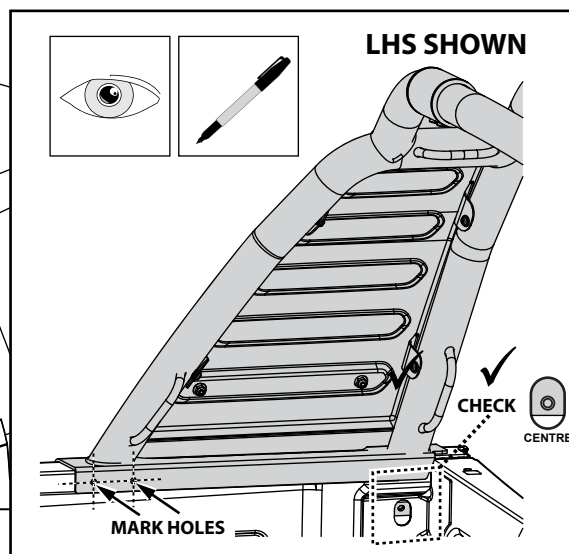
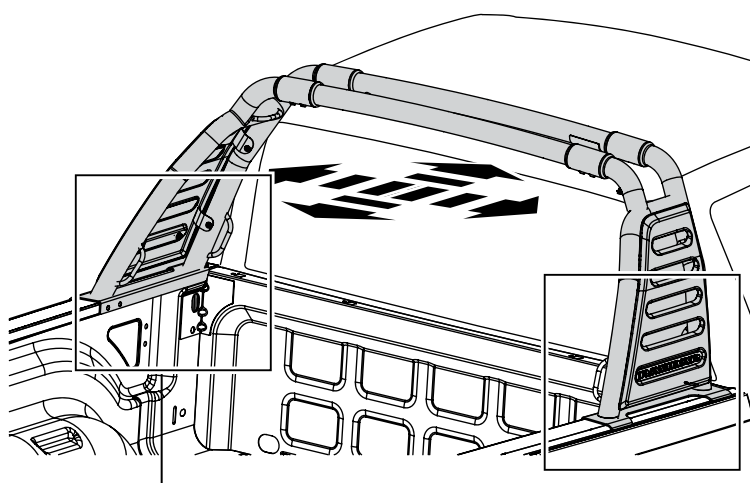
5. Using a knife carefully measure and cut out the plastic insert as shown at the front of the LHS and RHS bed rail caps to open the clearance holes inboard for the front feet of the Sports Bar.



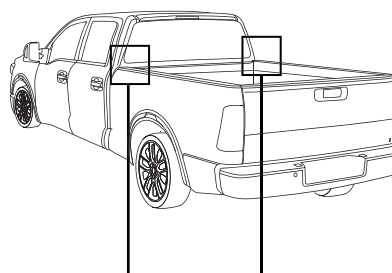
6. Remove and discard the LHS and RHS plastic side plugs from the tub.



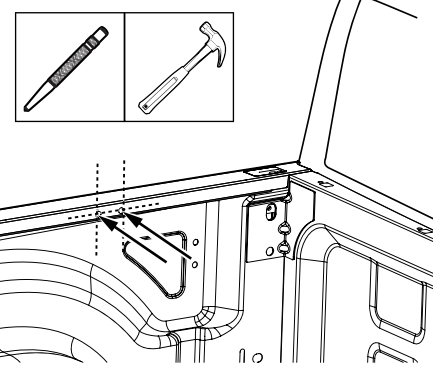
- 7.** Using two people carefully lift the sports bar into position above the tub and slowly lower the sports bar front feet through the bed rail stake pockets and lower the sports bar assembly onto the tub of the vehicle.



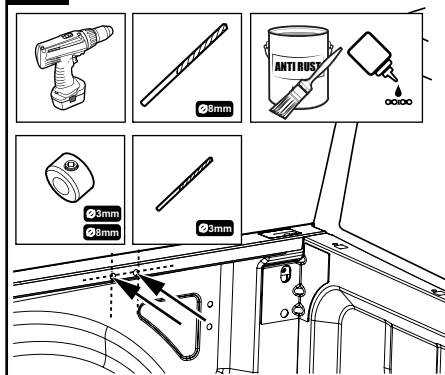
- 8.** Align the Sports Bar with the front edge of the tub. Check the threaded hole in the Front Foot is centred and mark the locations of the two rear holes onto the tub with a marker. Remove bar.



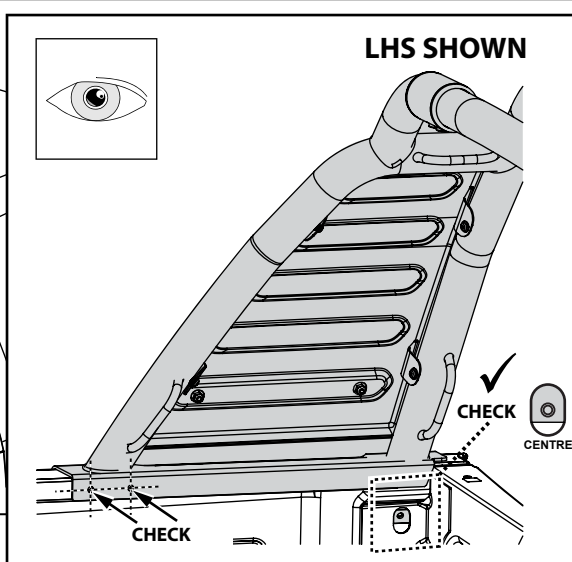
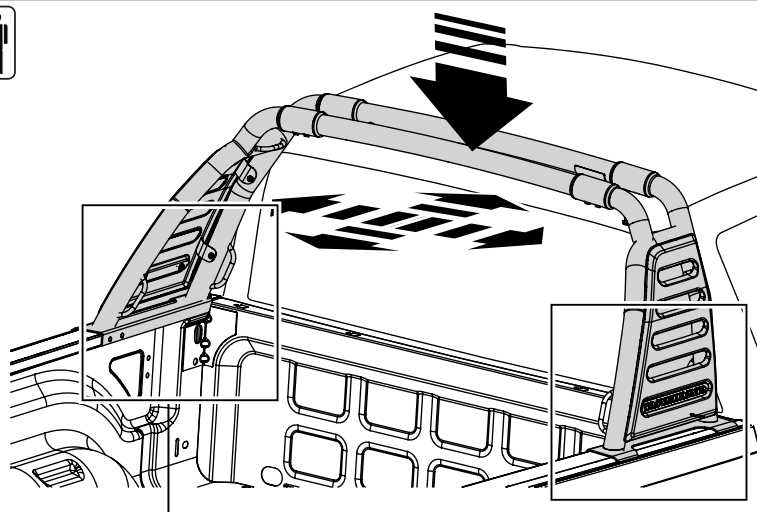
1 CENTRE PUNCH HOLES



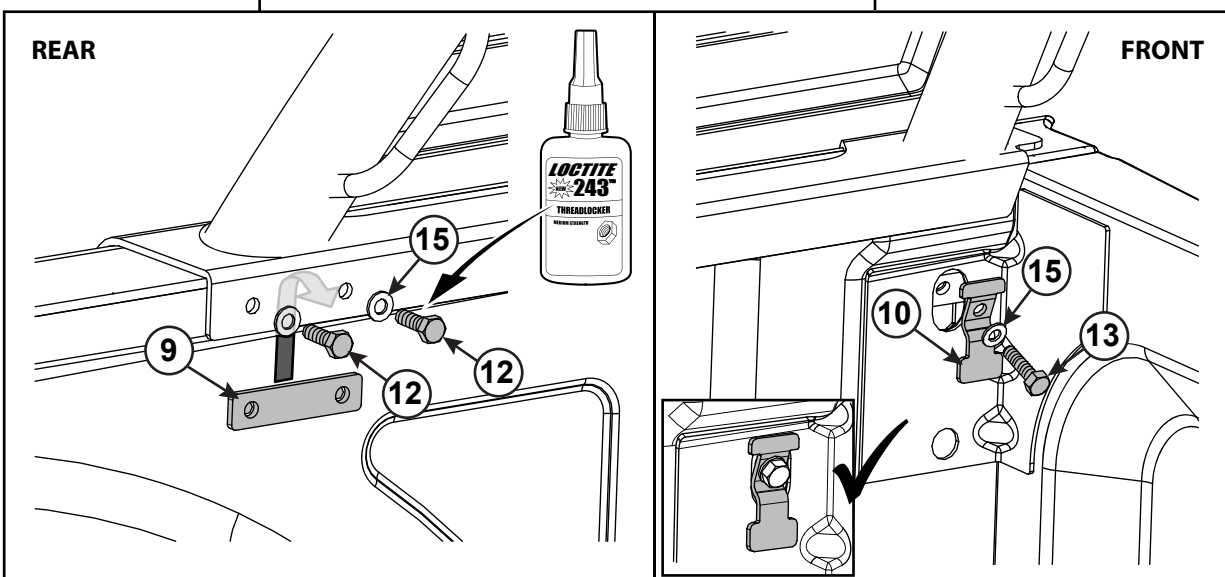
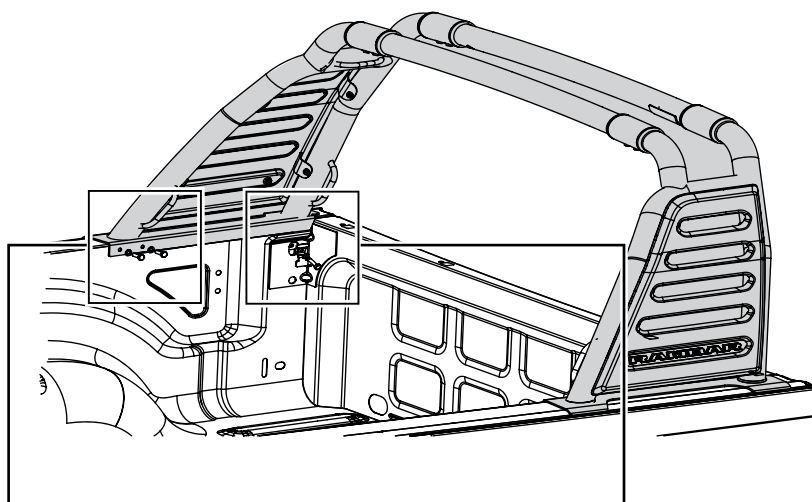
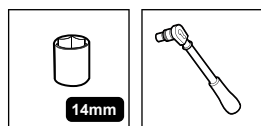
2 DRILL HOLES



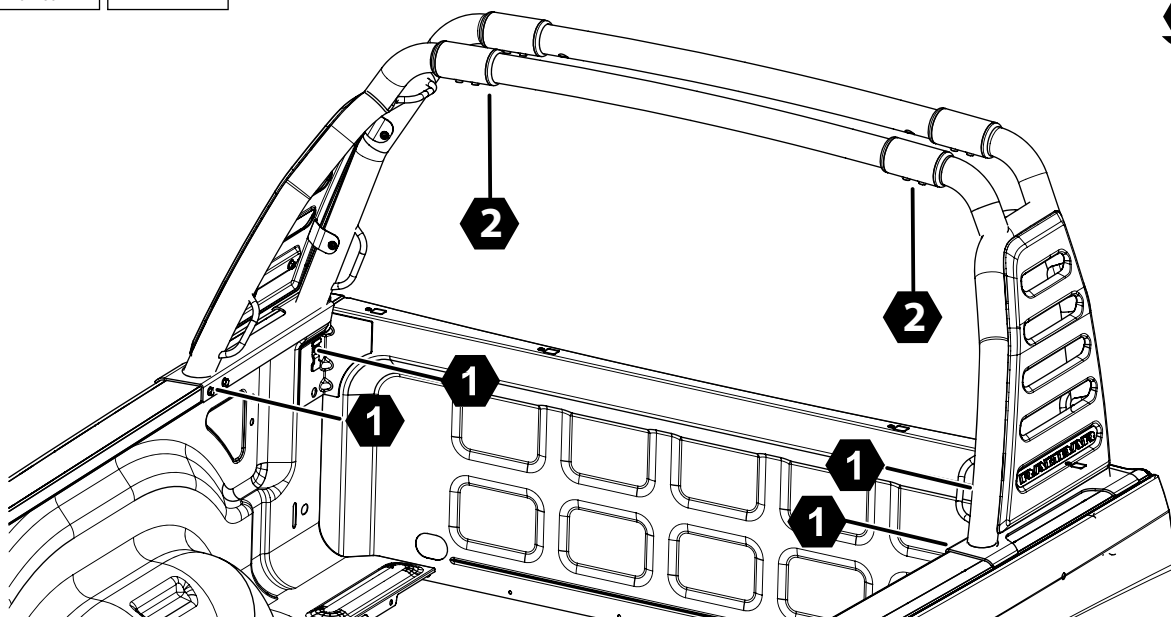
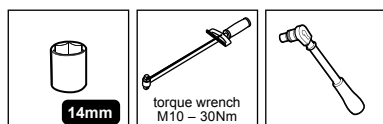
- 9.** Centre punch the two marked hole positions and drill each hole with a 3mm drill bit then with an 8mm drill bit using a drill stop at 10mm. Coat exposed metal with rust inhibitor and clean up any metal swarf. Repeat for the RHS.



- 10.** Using two people carefully lift the Sports Bar into position above the tub and slowly lower the sports bar Front Foot through the bed rail hole and lower the sports bar assembly onto the tub of the vehicle. Align the bar carefully and check that all drilled holes in the tub align with the holes in the bar.



- 11.** Apply loctite to both M8 bolts (13) and loosely attach the bar to the front of the tub using the Front Foot Clamp (10), M8 Bolt (13) and M8 Washer (15). Attach the Sports Bar to the rear of the tub using the Rear Foot Clamp (9) and M8 Bolt (12) and M8 Washer (15) as shown.



- 12.** Centralize and check the final position and alignment of the bar on the tub. Tighten all M8 Bolts on the tub (13) and (12) to the recommended torque of 24Nm followed by the top bar Joiner Flanged Bolts (11) to a recommended torque of 29Nm.