TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER QTRE19L

RENAULT SCENIC ELECTRIC

PRODUCT DETAILS:

Part Number:	QTRE19L	**Maximum Towing Braked:**	1100	kg
ECU Number:	WLE70048	**Maximum Towing Unbraked:**	750	kg
Tail Harness Length Required:	1800mm	**Maximum Static Ball Load:**	75	kg
TBM/Lug Part Number:	21432			

FITTING DETAILS:

Towbar Installation Time:	60 Mins.	**RPA Disable/Other:**	YES
Total Installation Time:	90 Mins.		
Bumper Cut Required:	YES		

Note:

- Please refer vehicles owner's manual for proper operation and understanding of towing features enabled.

WARNING

Electrical vehicles include a high voltage battery, which can lead to property damage and personal injury if handled incorrectly.
DO NOT unplug any orange high voltage cables unless the vehicles have been properly isolated by a high voltage trained technician. Series injury or death many occur.

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TRAILBOSS RECOMMENDS THAT INSTRUCTIONS ARE READ AND UNDERSTOOD COMPLETELY PRIOR TO FITMENT.

BEFORE YOU START:

Check all hardware items have been included refer to assembly diagram.
Please ensure this towbar is only fitted to vehicle models as per Trailboss application guide.

Bumper Cuts

Vehicle and bumper variations can and do occur during vehicle manufacture after initial towbar design. Fitment of towbar to vehicle and accuracy of bumper cut must be assessed prior to any bumper modifications made. Incorrect bumper cuts are not covered under Trailboss warranty.

NOTE: Bumper cuts need to be approached with care, refer to notes below.

- Bumper centreline – where the centreline of the bumper needs to be determined, the installer must assess centre point by measurement of bumper width or determining two symmetrical reference points to give centreline.
- Bumper edge – To assist with accurate bumper cut measurement, reference to the start of the bumper edge is now being commonly used.
    - Measure from bottom edge along bumper and around corner to the 70 mm point (Figure 1).
    - Do not measure from visible bumper front of corner, upwards (Figure 2).

CORRECT

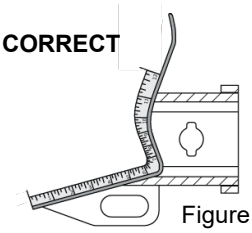


Figure 1

INCORRECT

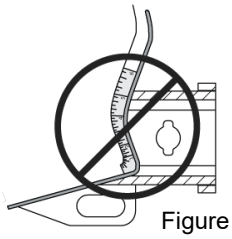


Figure 2

Drilling

- For any required drilling during installation, ensure that the area is clear of fuel, electrical & other components that may be damaged.
- All holes drilled into metal body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.

Bolts/Fasteners

- Ensure that all hardware is fastened to correct torque as specified in this fitting instruction.
- All fasteners supplied with this product are used to achieve a specified clamp loading. If replacement is required ensure that fasteners of the same grade and class are used.

NOTE: Achieving correct torque is critical to proper installation and responsibility of the installer. Towbar failures attributed to tension issues from over tightening or under tightening are not covered by Trailboss warranty.

Product Labels

a. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door.

WARNING:

Do not, drill, cut, weld or otherwise modify the towbar.
FOR TOWING PURPOSES ONLY - This towbar is designed and tested by Trailboss to adhere to ADR 62/02 which provides only for the expected load demands of towing.

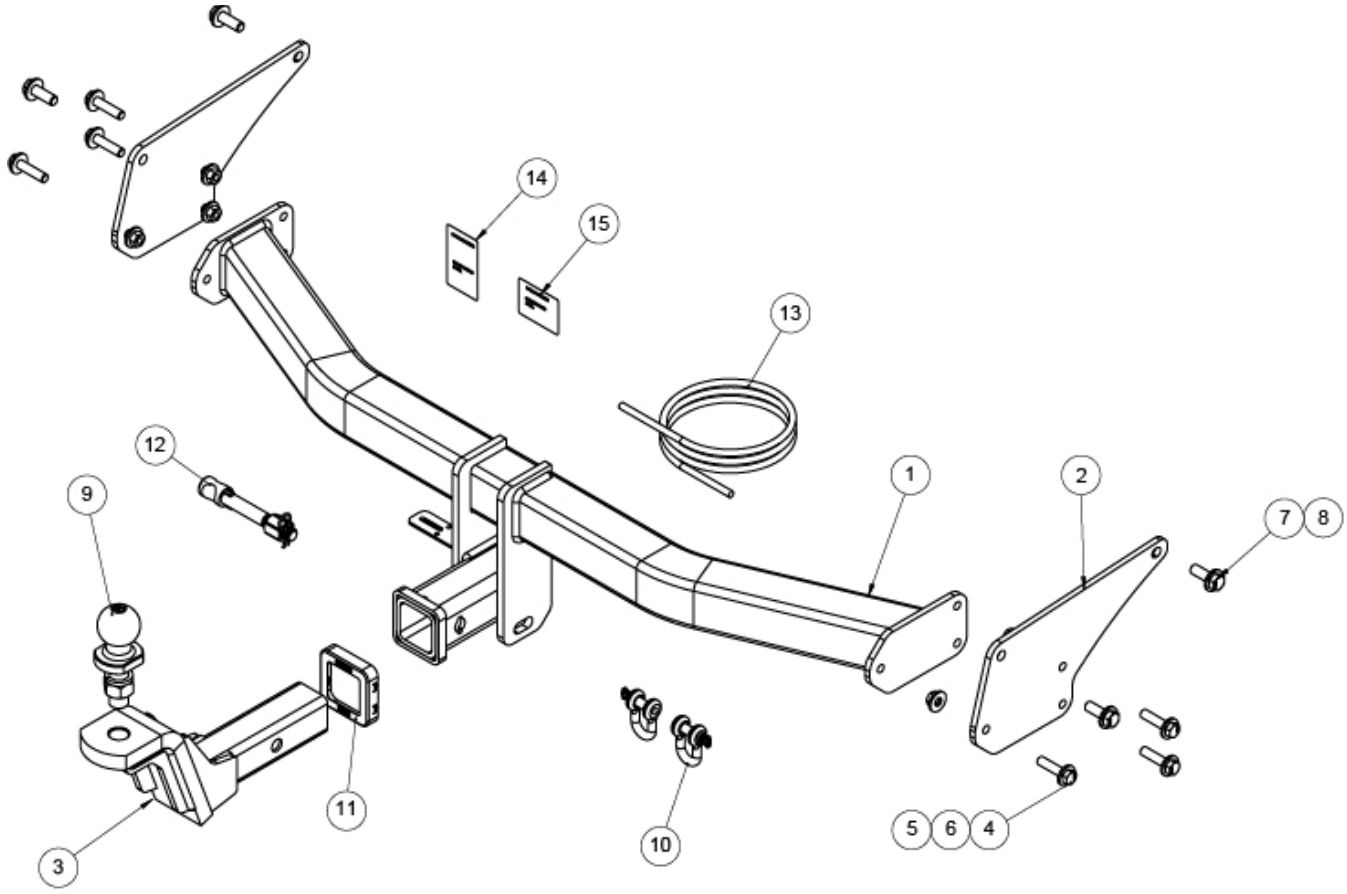
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TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER QTRE19L

RENAULT SCENIC ELECTRIC

TOWBAR ASSEMBLY DIAGRAM

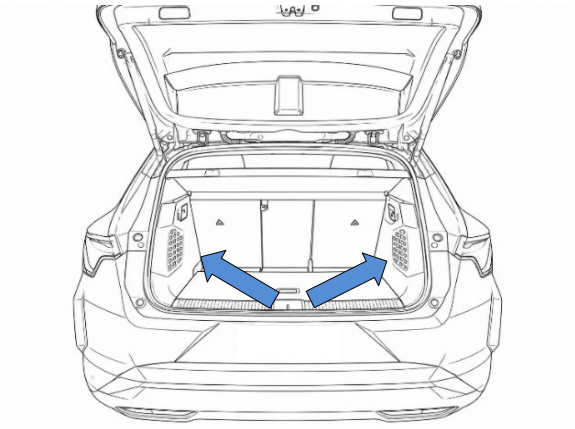


ITEM	DESCRIPTION	QTY
1	TOWBAR WELDED ASSY	1
2	SIDE ARM	2
3	TRAILER TOWBALL MOUNT	1
4	BOLT HEX HD M10x45x1.50P G10.9	6
5	NUT HEX HD M10x1.5P G10	6
6	WASHER PLAIN M10x25x3.0mm	12
7	SCREW HEX HD M12x35x1.25P G10.9	4
8	WASHER PLAIN M12x27x3.0mm	4

ITEM	DESCRIPTION	QTY
9	TOWBALL 50mm	1
10	D-SHACKLE 10mm	2
11	HITCH BOX COLLAR COVER	1
12	SMART PIN SILVER	1
13	WIRING LOOM	1
14	LOAD RATING LABEL	1
15	COMPLIANCE LABEL	1

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1. Open the Tailgate
   Remove the two inside trims.

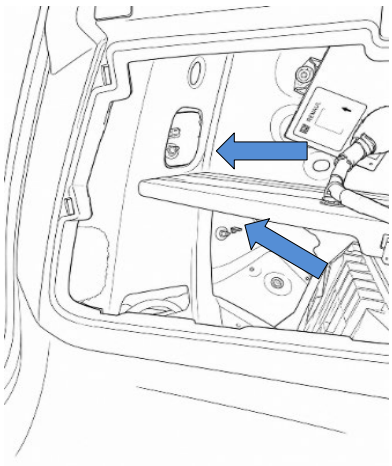


2. Remove keys from ignition.
   Wait 5 minutes.

3. Disconnect battery.

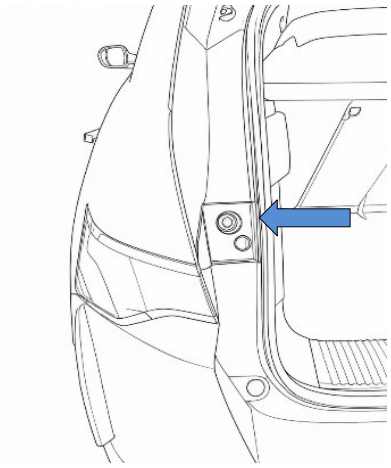
4. Remove key fob from vehicle.
   Move key fob at least 5m from vehicle.

5. On both sides, remove 2 x 10mm nuts.

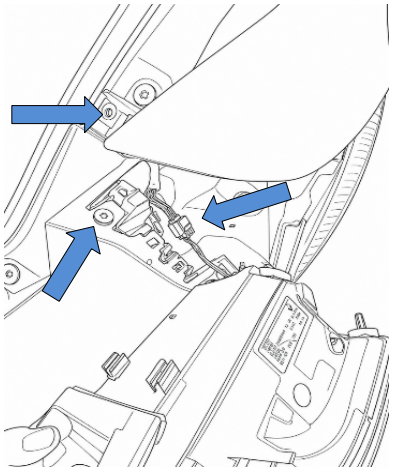


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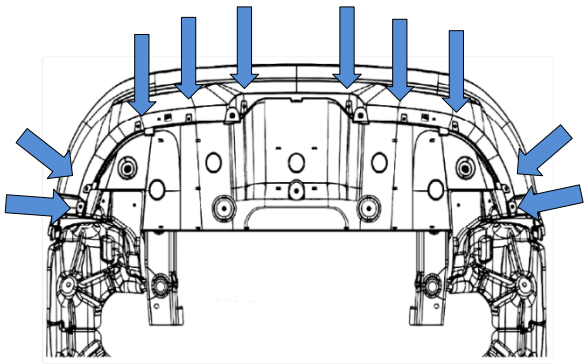
6. On both sides, remove 1 x scrivet.
   Remove trim.



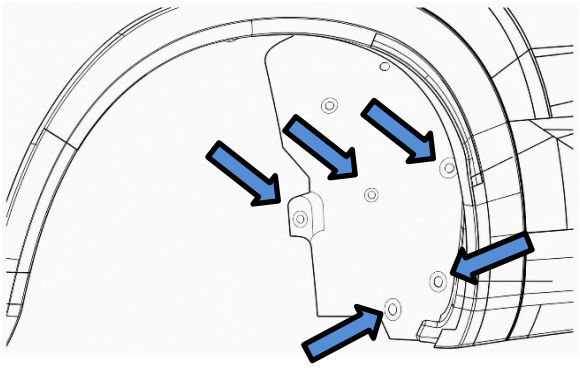
7. Carefully dislodge the Rear Light on both sides.
   Disconnect the electrical connector.
   Remove 1 x scrivet and 1 x T20 screw.



8. On the underbody, remove 10 x T20 screws.

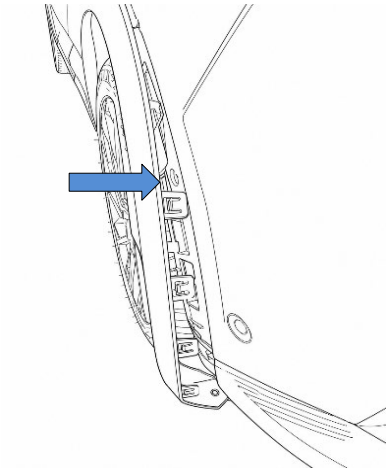


9. On the wheel arch, remove 2 x T20 screws and 3x Plastic Nuts, repeat on other side.

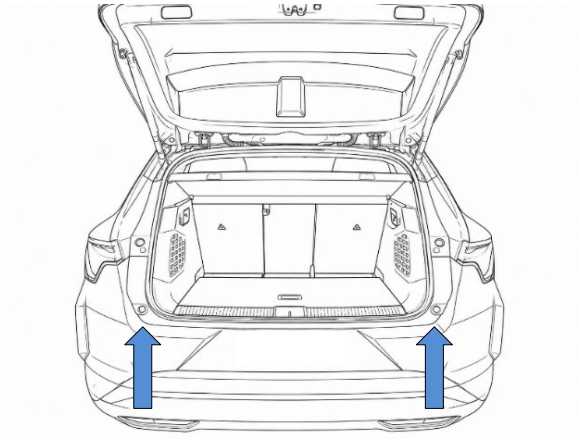


10. On both sides, remove the wheel arch trim. Remove 1 x T20 screw.

    Remove 2 x Rubber pieces.

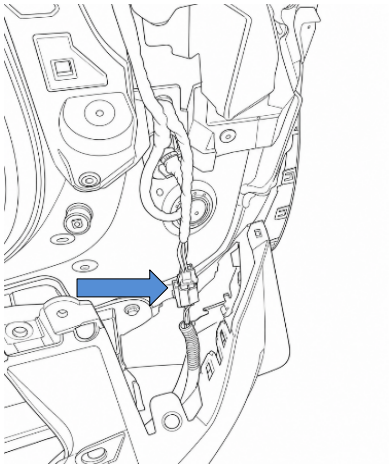


11. Remove 2 x Rubber pieces.

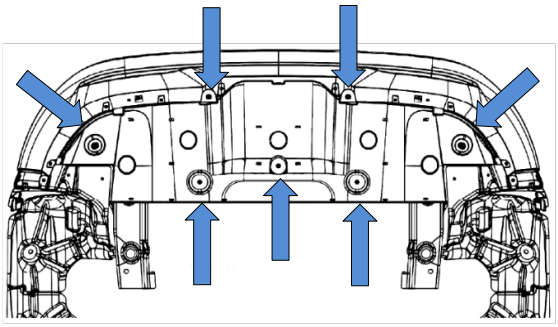


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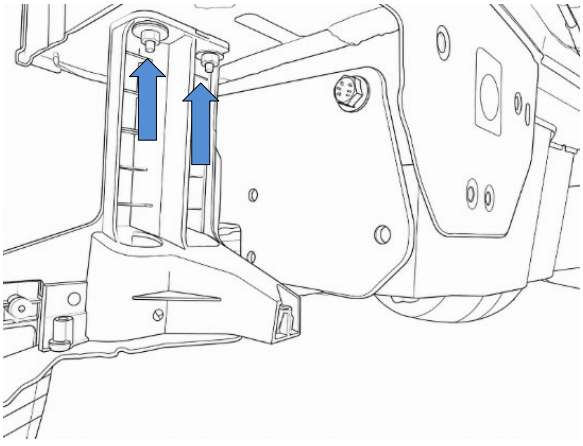
12. Using two people, carefully dislodge the rear bumper from the vehicle.
    Disconnect the connector on the RHS.
    Place the bumper on a stand.



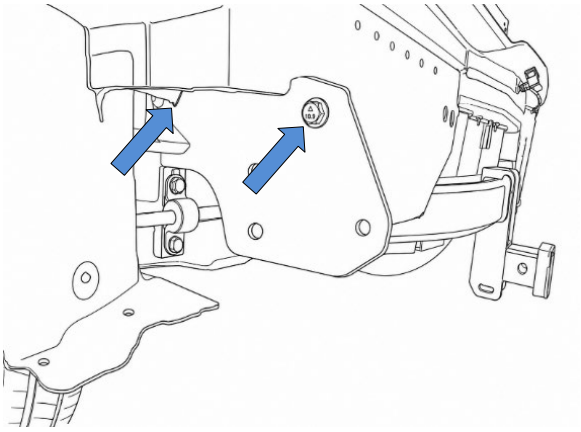
13. On the underbody, remove 7 x 7mm screws.



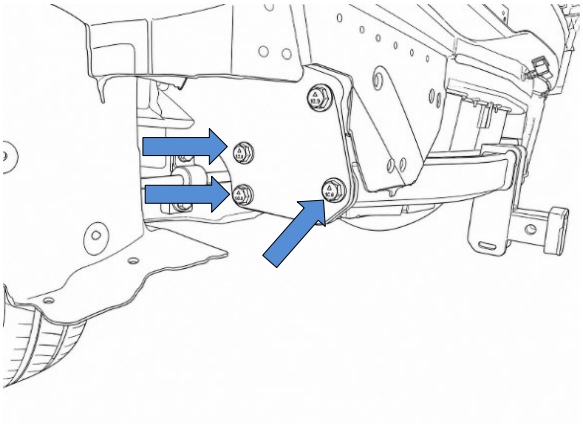
14. On both sides, remove the 2 x 10mm Nuts.
    Dislodge the piece from the clip.



15. On both sides, loosely fit the Side Arms to the Chassis using 2 x M12 Bolts and 2 x M12 Washers.



16. Loosely fit the towbar to the side arms using 6 x M10 Bolts, 6 x M10 Nuts and 12 x M10 Washers.

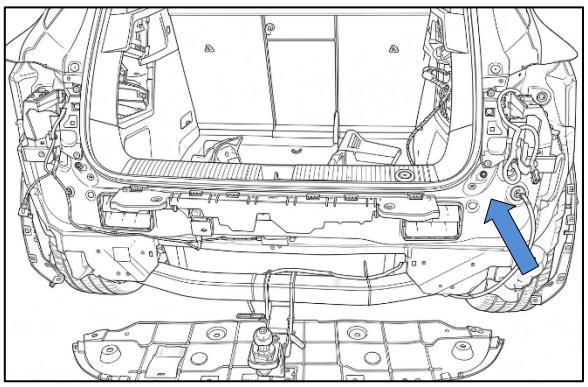


17. Ensure towbar is square to vehicle and torque tighten fasteners as per the sequence below:
    M12 - 125 Nm
    M10 - 62 Nm

18. Locate the position shown on the rear RHS of the vehicle. Using a step drill, drill out this section to exactly 30mm.

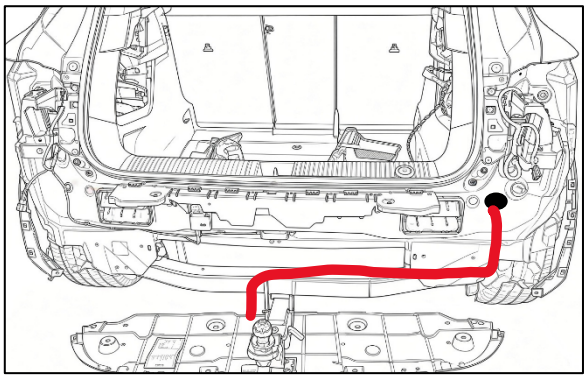
    Note: Remove the blanking grommet on the right to assist when drilling into the subsequent internal sheet metal.

    Note: Spray rust inhibitor around the hole and clean up any sharp edges using a file.

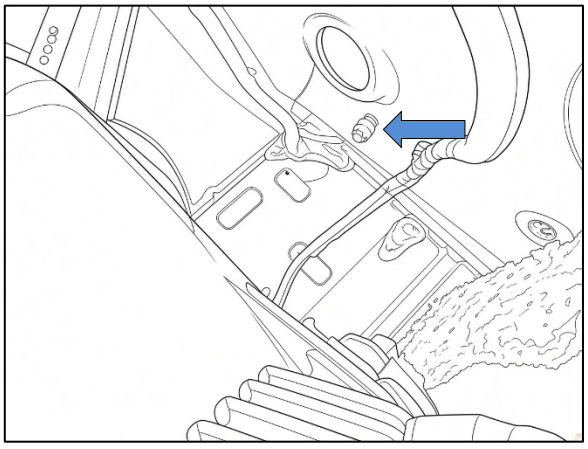


19. Feed the tail harness through the hole, and subsequent internal hole. Ensure there is enough slack for the trailer socket to be mounted to the towbar.

    Slide the grommet to the desired location and secure to the loom with a cable tie (not supplied).

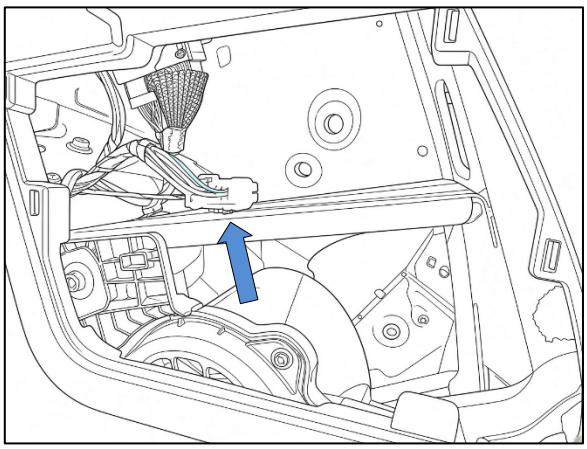


20. Locate the trailer patch ground ring terminal. Secure this to the vehicle grounding point shown using a 10mm socket.

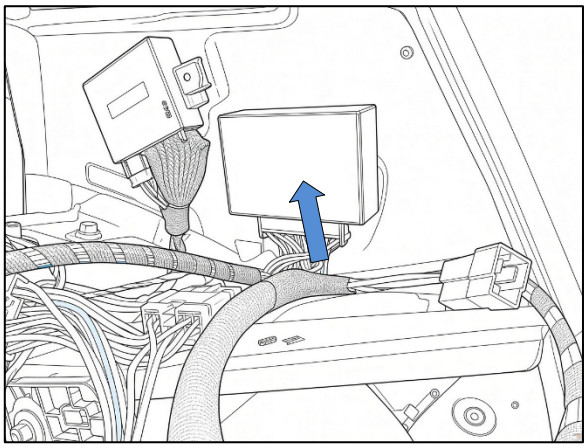


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21. Locate the 12-way male and female prewire connectors. Disconnect the connector pair and plug into the mating trailer patch harness connectors.

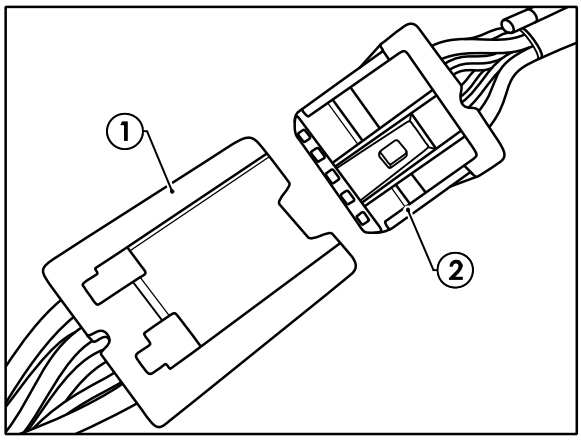


22. Locate the ECU connector on the trailer patch and plug this into the ECU. Use the adhesive tape provided to mount the ECU in the location shown. Apply pressure to allow for good adhesion.



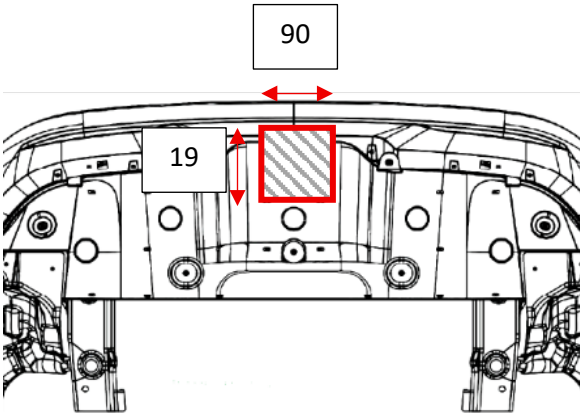
23. Plug the trailer patch blue connector into the mating tail harness connector.

    Route the rest of the patch harness along the vehicle loom and secure with cable ties where necessary (not supplied).



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24. Drill and cut the underbody tray.
    Clean any burs using a file or rasp.



25. Reinstall all removed parts using steps 14 to 1.
    Reconnect the battery.
    Test trailer harness function using a trailer test board.
    Place fitting instructions in glove box once complete.

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CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE VEHICLE'S GLOVEBOX AFTER INSTALLATION

THANK YOU FOR PURCHASING TRAILBOSS. WITH CORRECT MAINTENANCE AND CARE THIS PRODUCT WILL PROVIDE A LIFETIME OF TROUBLE-FREE OPERATION.

TOWBAR MAINTENANCE AND CARE:

1. Trailboss recommend that the towbar LUG or TBM (Trailer Ball Mount) Pull Pin and R-clip are removed and stored when not in use. Removal of LUG or TBM (Trailer Ball Mount) is advisable when not in use to assist with any of the following.
    - Ensure rear number plate is not obscured.
    - Allow maximum available departure angle and prevent any potential interference.
    - Prevent possible interference with vehicles reverse sensors or camera detecting a tow ball mount as an obstruction during reversing.
    - Removes towball mount as an obstruction for when moving around the rear of the vehicle.
2. Trailboss recommends routine inspection of your towbar to ensure trouble free towing.
    - Bolt security and tension should be regularly inspected and checked for correct tension. Replace any worn or defective parts with suitable grade & class fasteners. Inspection should be requested to coincide with vehicle major services.
3. It is the owner's responsibility to ensure towing and down ball weight capacities of the towing vehicle are not exceeded.
    - Towing and down ball weights allowable may differ according to model variations. Please refer to owner's manual or vehicle dealer to confirm exact rating for your vehicle model variant.
    - It is not uncommon for the vehicle tow rating to differ from the towbar rating. When this occurs, the lesser rating must be adhered to.
    - For vehicles fitted with enhanced vehicle functions that may be altered/changed when towing i.e Trailer sway mitigation, blind spot detection, adaptive cruise control etc. Please consult owner's manual to understand changes enabled when towing and after towing.

WARRANTY INFORMATION:

Trailboss Towbars are covered by a Lifetime Warranty.
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
For further details please contact customer service on 1800 812 017.

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PRO SERIES SILENT ANTI-RATTLE HITCH PIN

Your Trailboss towbar is equipped with a Pro Series Silent Anti-Rattle Hitch Pin technology to help reduce towbar tongue rattle in most driving conditions. Please ensure below instructions are understood and routine maintenance is carried out to ensure best towing experience.

Regularly inspect for wear and check the tightness of the Silent Anti-Rattle Hitch Pin. Follow instructions below to re-tighten the nut as necessary when movement and noise in the tow ball mount is noted.

- Before towing, ensure R-Clip is properly installed and hitch pin nut is installed and tensioned. Replacement parts are available from your Pro Series Distributor.

TOWBALL MOUNT REMOVAL/INSTALLATION

STEP 1

Insert Trailer Ball Mount (TBM) (a) into towbar hitchbox (b), aligning hole in TBM shank (c) with hole in hitchbox (d) (Fig. 1)

STEP 2

Insert Silent Anti-Rattle Hitch Pin (e) through hole in hitchbox and hole in TBM shank (g); ensure the locators are inserted into the notches in the hitchbox (Fig. 2)

STEP 3

Screw Silent Anti-Rattle Hitch Pin (f) onto Smart Pin (g); tighten Smart Pin Nut until finger tight, ensuring TBM is restrained from up and down movement.

STEP 4

Tighten Silent Anti-Rattle Hitch Pin Nut by turning nut a further 1/8th of a turn in the clockwise direction using a 24mm spanner (Fig. 4).

STEP 5

Install Silent Anti-Rattle Hitch Pin R-Clip through the hole that provides best clearance or easiest access. (Fig. 5)

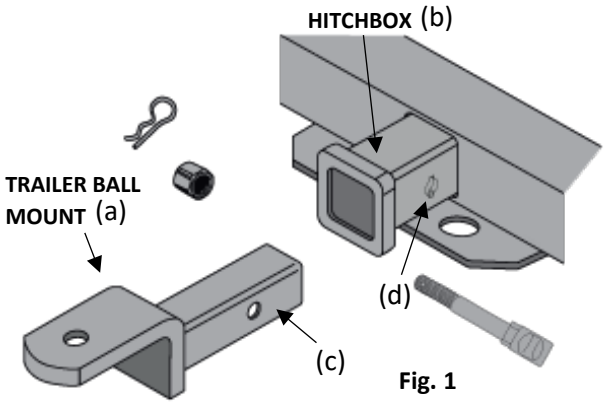


Fig. 1

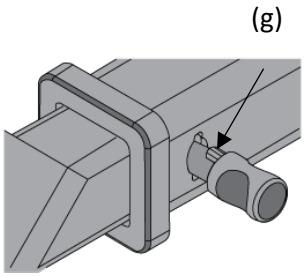


Fig. 2

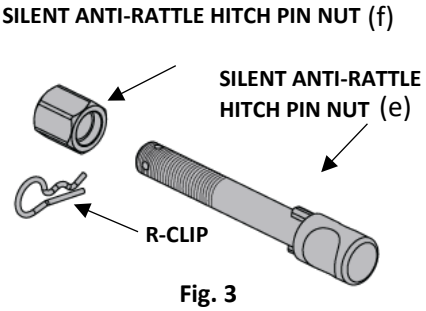
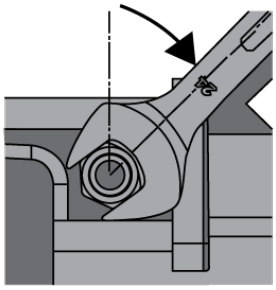
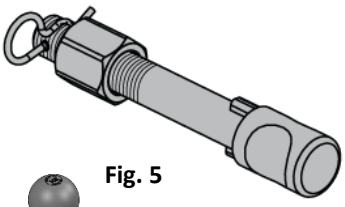
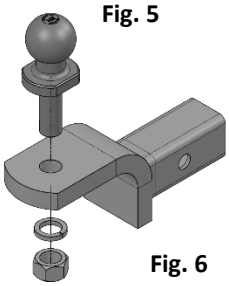


Fig. 3


Fig. 4


Fig. 5


Fig. 6

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