TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER QTMG005L

MG SAIC S5 CL4

PRODUCT DETAILS:

Part Number:	QTMG005L	**Maximum Towing Braked:**	750	kg
ECU Number:	WLE70042	**Maximum Towing Unbraked:**	750	kg
Tail Harness Length Required:	1800 mm	**Maximum Static Ball Load:**	75	kg
TBM/Lug Part Number:	21412			

FITTING DETAILS:

Towbar Installation Time:	120 Mins.	**RPA Disable/Other:**	YES
Total Installation Time:	180 Mins.		
Bumper Cut Required:	Yes		

Note:

- For proper towing feature access “Trailer Mode” in infotainment under “Driver Control” menu.

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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.

CORRECT

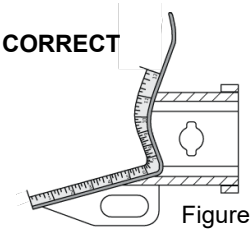


Figure 1

INCORRECT

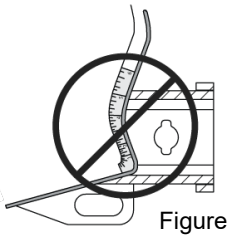


Figure 2

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).

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.

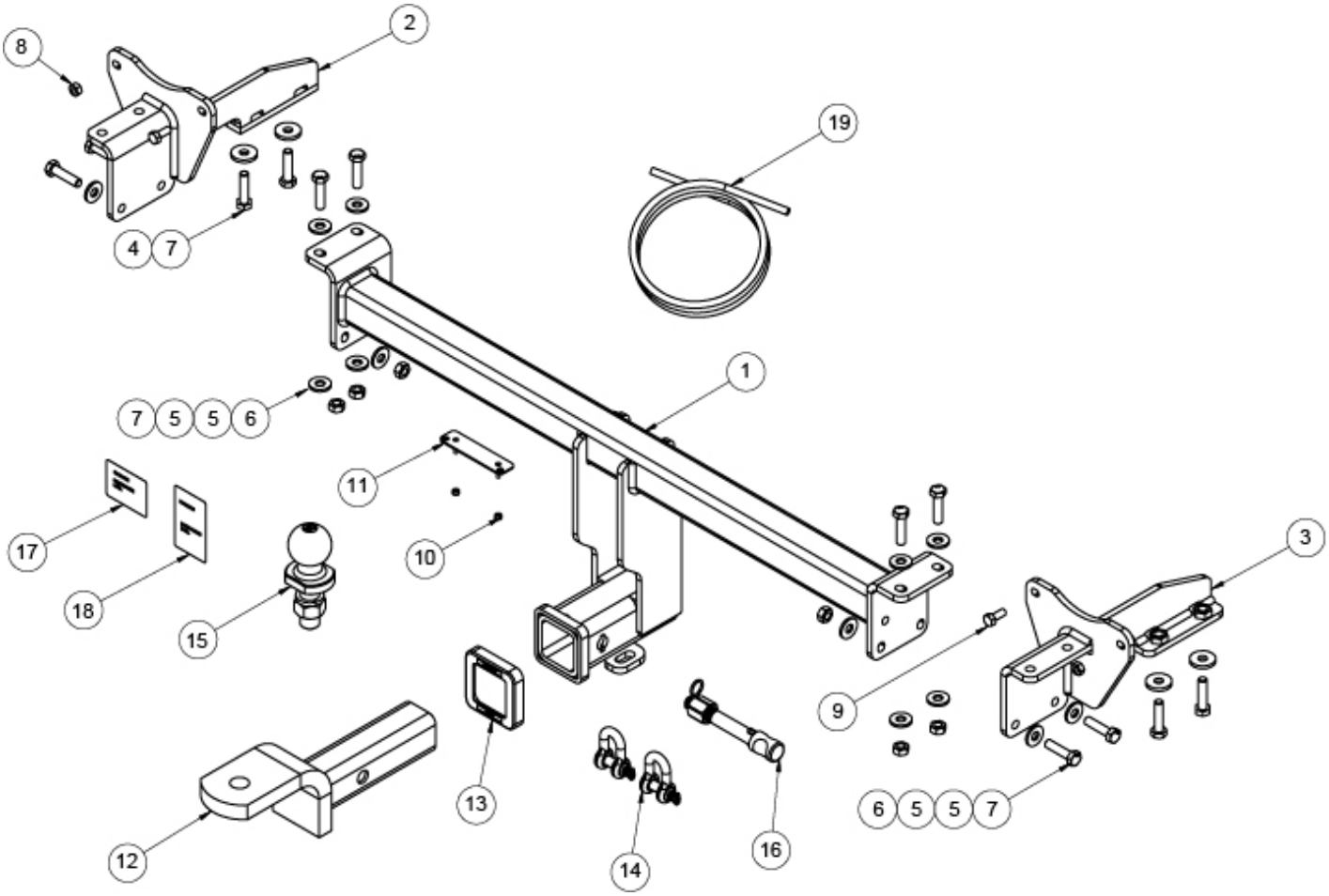
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TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER QTMG005L

MG SAIC S5 CL4

TOWBAR ASSEMBLY DIAGRAM



ITEM	DESCRIPTION	QTY
1	MG SAIC S5 WELDED ASSEMBLY	1
2	SIDE ARM LHS	1
3	SIDE ARM RHS	1
4	WASHER PLAIN M10x30x4.0mm	4
5	WASHER PLAIN M10x25x3.0mm	16
6	NUT HEX HD M10x1.25P G8	8
7	SCREW HEX HD M10x40x1.25P G8.8	12
8	NUT HEX HD M8x1.25P G8	2
9	SCREW HEX HD M8x20x1.25P G8.8	2
10	NUT NYLOC HEX HD M4x0.7P G8	2

ITEM	DESCRIPTION	QTY
11	PLUG BRACKET	1
12	TRAILER BALL MOUNT	1
13	HITCH BOX COLLAR COVER	1
14	D-SHACKLE 10mm	2
15	TOWBALL 50mm	1
16	SMART PIN SILVER	1
17	COMPLIANCE LABEL	1
18	LOAD RATING LABEL	1
19	WIRING LOOM	1

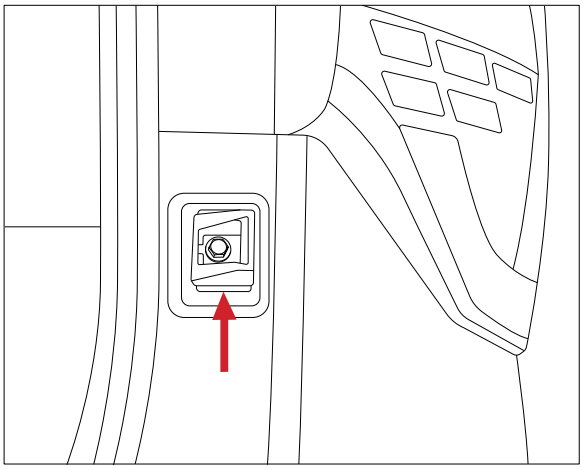
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1. Open tailgate to expose boot cabin

   Using a trim removal tool, remove plastic cover below the rear combination light. To expose the screw.

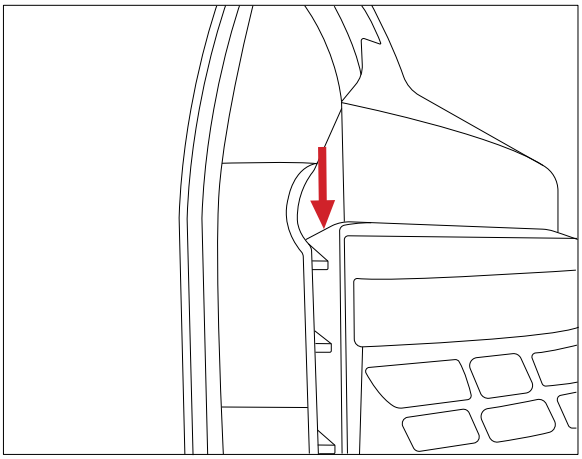
   Remove and retain the 1x screw and bump stop.

   Repeat for the other side.



2. Unclip the taillight side cover to access the screws.

   Repeat for the other side.

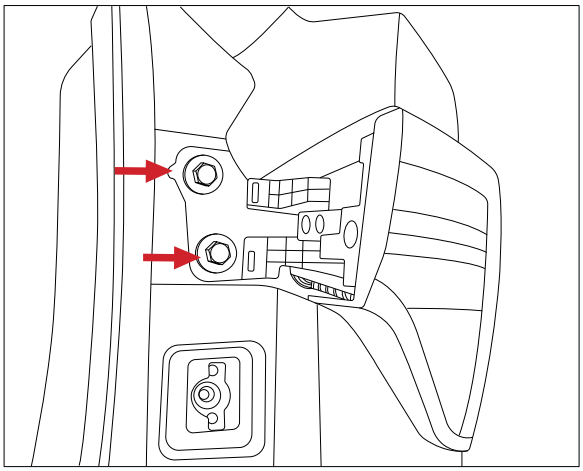


3. Remove 2x screws that retain the rear tail light

   Carefully pull the tail light rear ward of the vehicle to remove it.

   Disconnect the tail light wiring and keep it in a safe area.

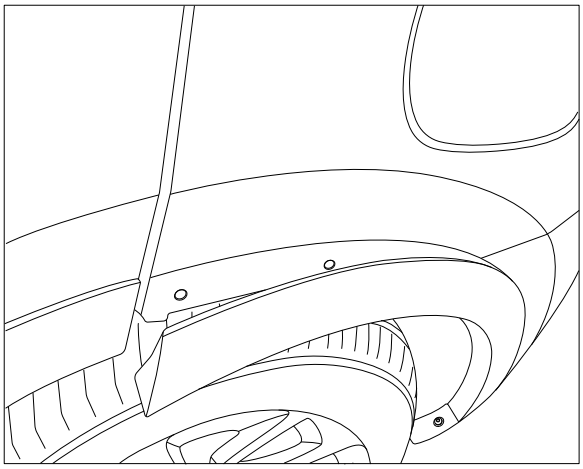
   Repeat for the other side.



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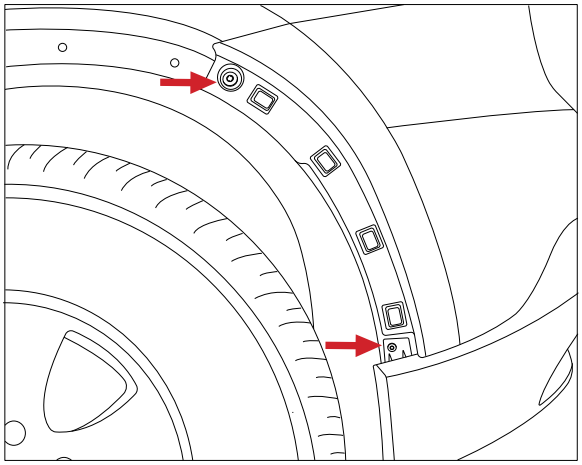
4. Using a trim tool carefully Peel off the wheel arch trim.

   Repeat for the other side.



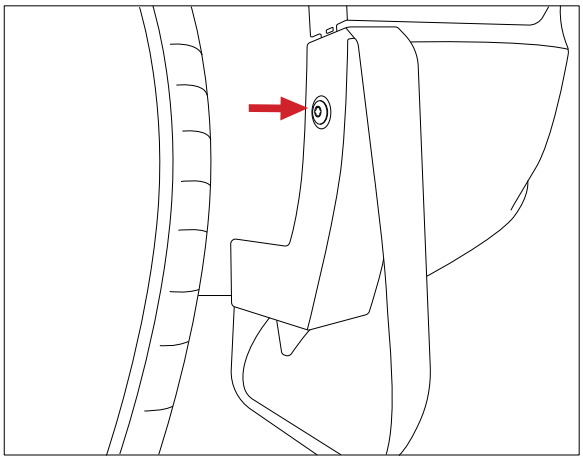
5. Remove and retain 2x screws.

   Repeat for the other side.



6. Remove and retain 1x screw on the mud guard.

   Repeat for the other side.

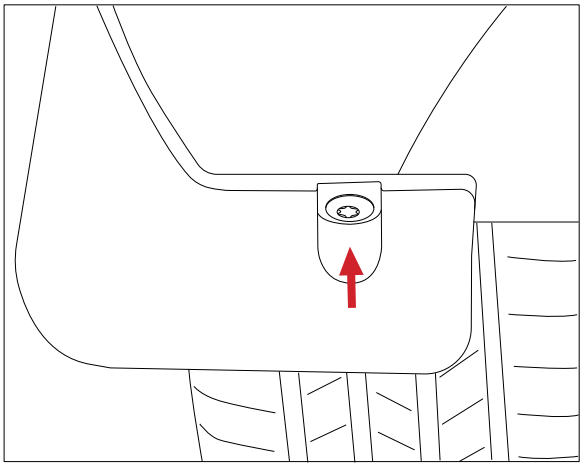


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7. Remove and retain 1x screw from the underside of the mud guard.

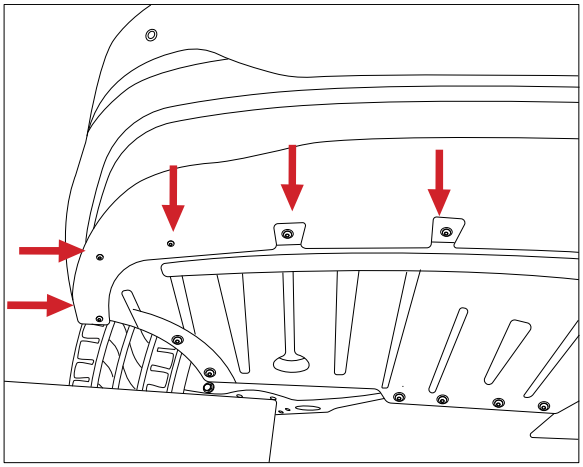
   Remove and retain mud guard.

   Repeat for the other side.



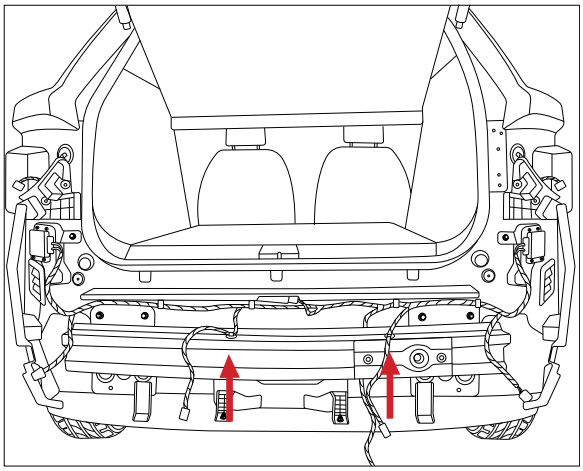
8. Remove and retain 5x screws retaining the rear bumper to the under body cover .

   Repeat for the other side.



9. Carefully remove the bumper from the vehicle, disconnect any wiring connecting the bumper to the vehicle.

10. Remove 2x fir tree clips on the impact beam.

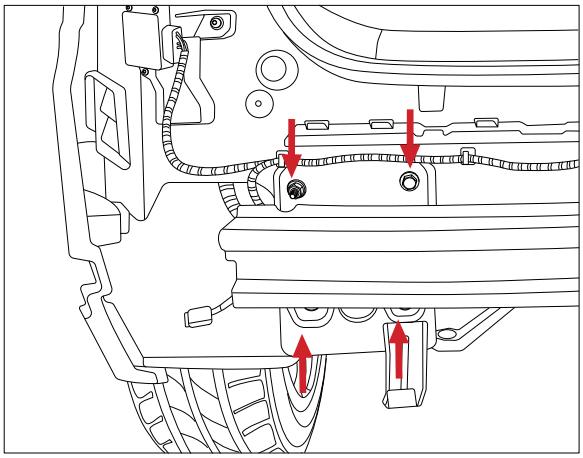


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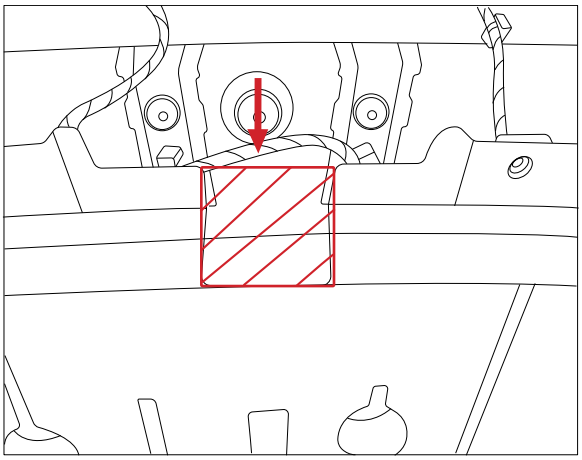
11. Remove 1x screw and 3x nuts from the impact beam.

    Repeat for the other side.

12. Remove and discard the impact beam



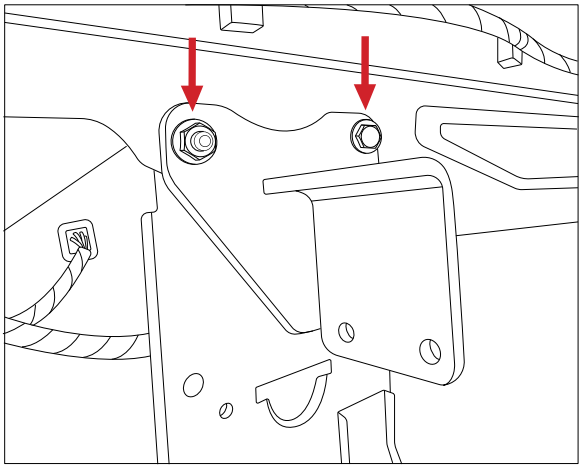
13. Using the included body cover cut out template (Page 12 & 13). Mark and cut out the underbody cover to clear the hitch box



14. Insert the side arm in the rear panel opening.

15. Loosely secure side arm with 1x nut and 1x washer on the stud and 1x screw and 1x washer.

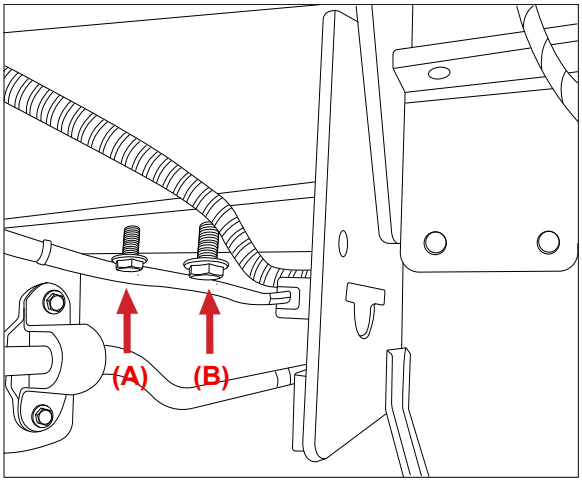
    Repeat for the other side.



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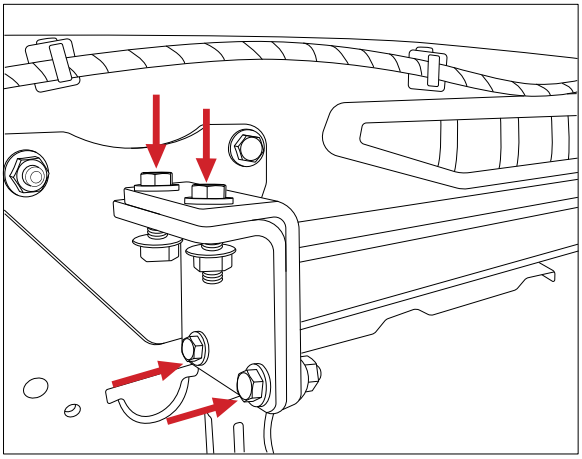
16. Loosely secure with 1x screws, 1x washers and 1x square spacer under the chassis. Refer to (A) and 1x screws and 1x washers under the chassis. Refer to (B)

    Repeat for the other side.



17. Fit the cross tube between the side arms and loosely secure it with 4x M10 screws, 8x washers and 4x M10 nuts.

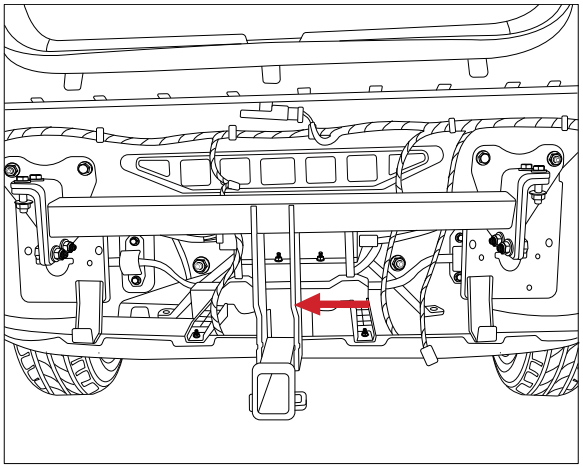
    Repeat for the other side.



18. Torque fasteners as below:

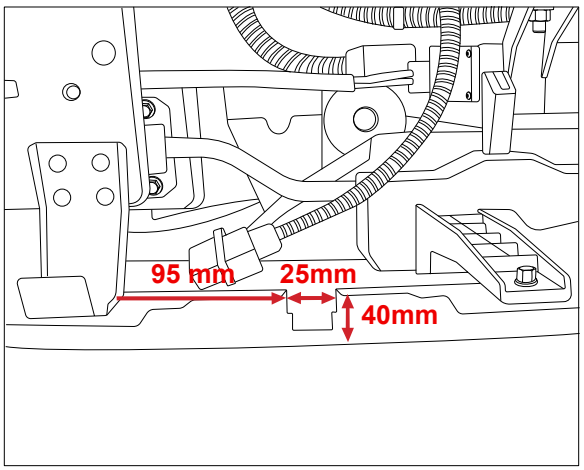
    M10 x 1.5P x 8.8 - 44 Nm
    M8 x 1.25 x 8.8 - 22 Nm

19. Place a compliance label in RHS dropper.

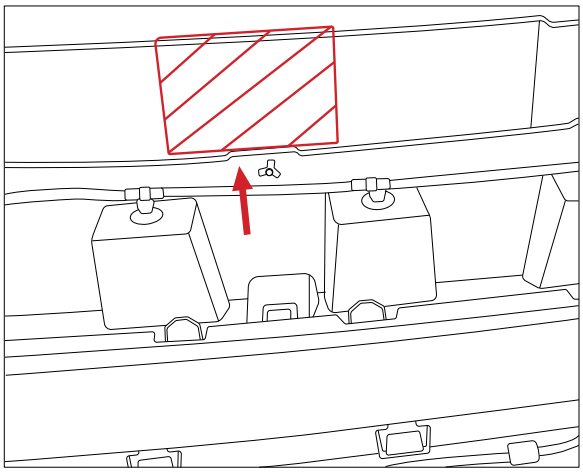


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20. Mark and cut out the area to route the trailer wiring.



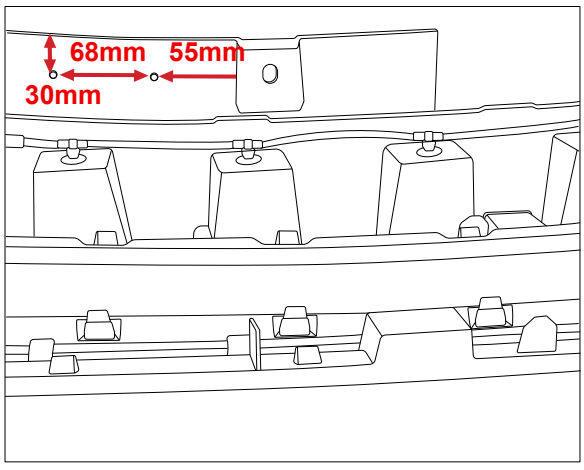
21. Using the included bumper cut out template (Page 13). Mark and cut out the underbody cover to clear the hitch box.



22. Mark the first hole 55mm from the bumper tab and 30mm from the bumper edge.

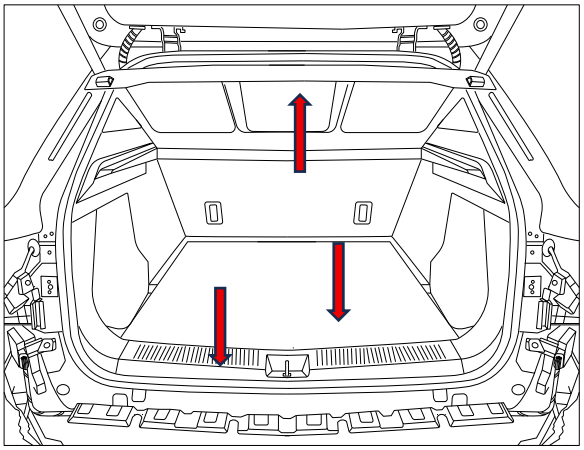
    Drill 2x 5mm holes and 68mm apart.

23. Align and place the plug bracket studs through the holes.



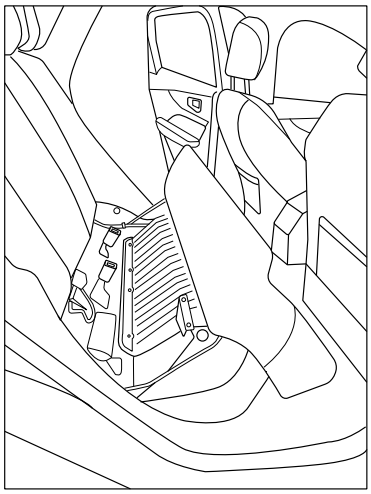
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24. In the rear cargo area remove sunshade, floor cover trim.
25. Remove rear scuff trim.

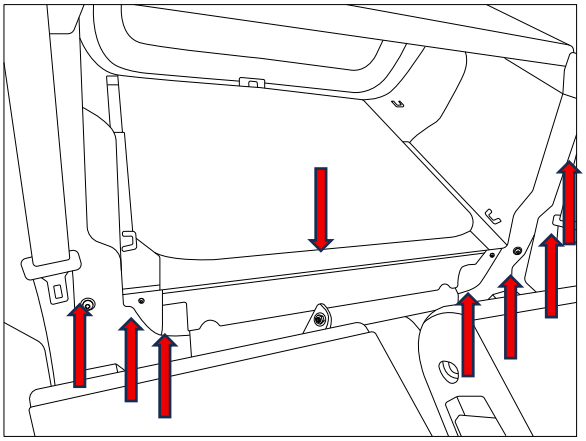


26. Dislodge the lower seat cushion and slide it forward.

Note: Care to be taken when moving as there is cables attached to the seat.

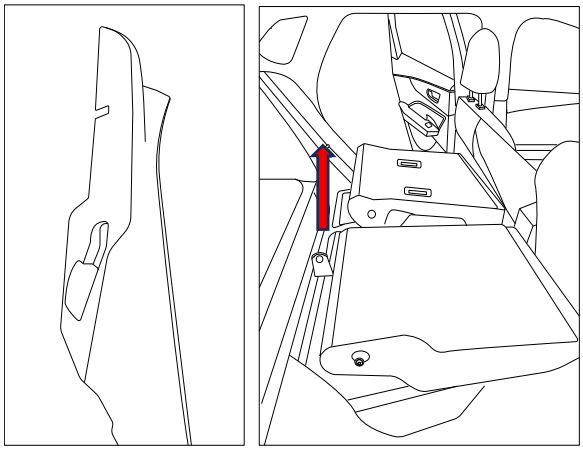


27. Lower both upper seat cushions, beginning with the passenger side removing the seats by lifting upwards.
28. Remove 3x scrivets on the driver's side and 4x scrivets on the passenger side.
29. Remove the centre foam floor cover support.

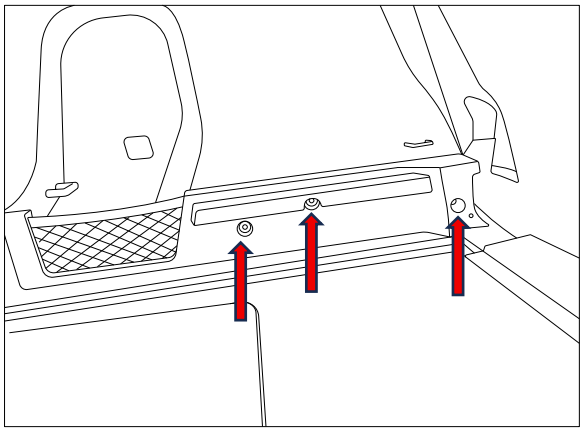


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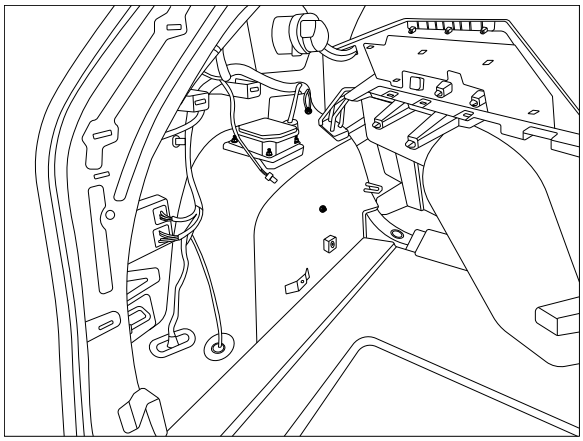
30. Remove the C-pillar lower trim by pulling towards the centre of the vehicle.



31. Remove the rear cargo LHS lower trim 3x fasteners then remove the trim.



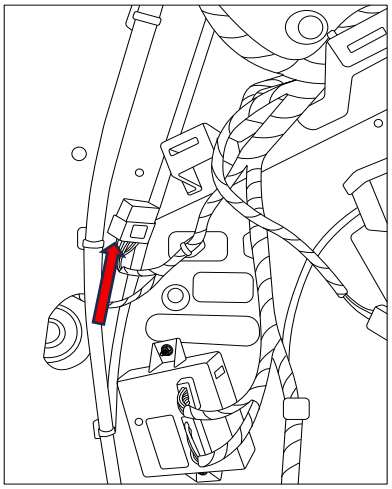
32. Dislodge the LHS cargo trim then disconnect the compartment light.
33. Move the LHS trim towards the centre of the vehicle.

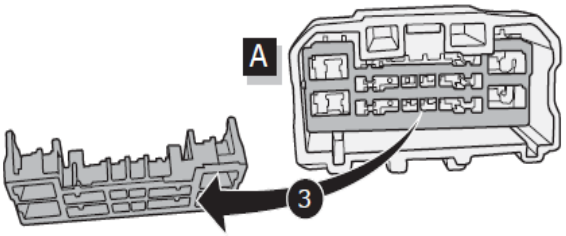


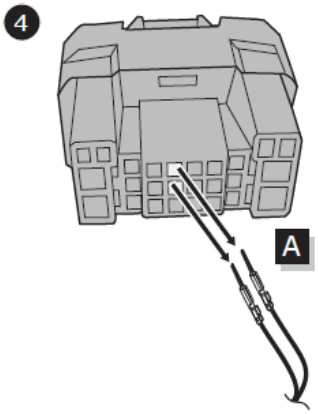
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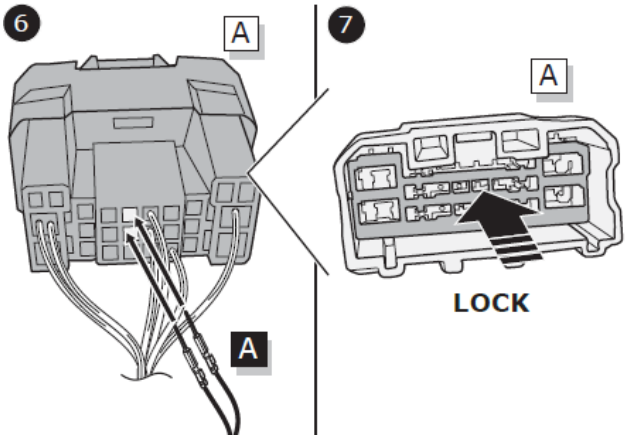
34. On the LHS locate the 26-way trailer Pre-wire connector.
35. Disconnect the connector from the blanking plug.
36. Unhouse the white wire from the connector by firstly removing the secondary lock.
37. With jeweller's screwdriver release the locking tab to remove the male terminal.
38. On the trailer patch release the secondary lock and insert the wires in the same cavity.

    Note: This step must be done as this circuit is rear fog on the vehicle.

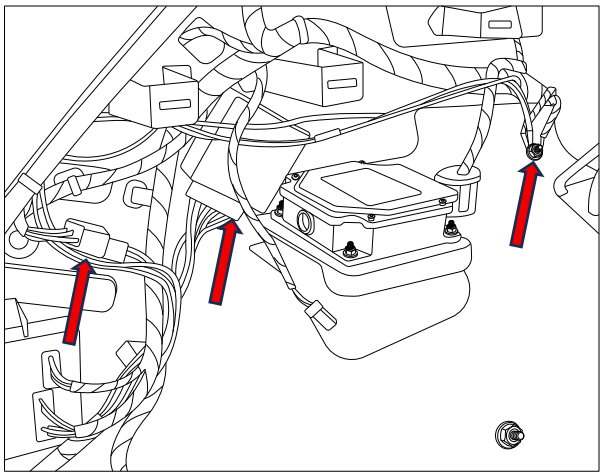




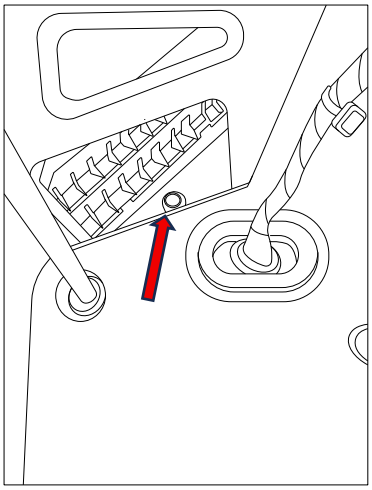




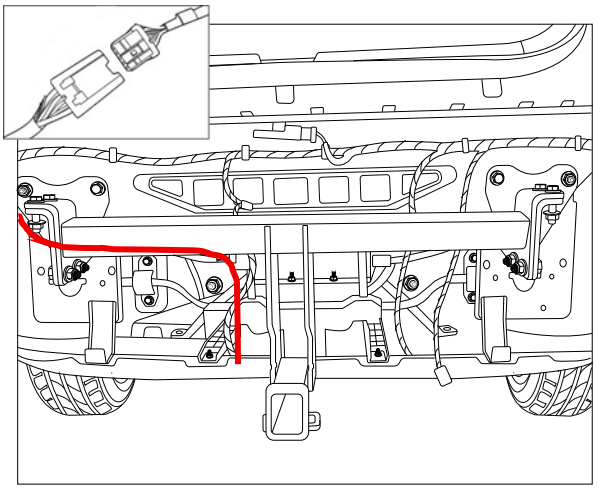
39. Plug the trailer patch (WLL90042) mating connector to vehicle connector.
40. Connector the ground wire to factory ground point.
41. Using alcohol wipe (not supplied) clean the vehicle sheet metal area.
42. Plug the trailer patch 18-way connector to trailer module (WLE70043).



43. In the LHS cavity locate vehicle blanking grommet and discard.
44. From outside the vehicle using a step drill open the hole to Ø30mm.



45. Secure tail harness (1800mm) to the cross tube, allowing enough length for the trailer socket to be mounted on the bumper fascia.
46. Route the tail harness 8-way connector through the previously drilled hole.
47. Slide the grommet to desired location secure grommet using cable tie (not supplied)
    Note: Ensure the grommet is seated properly and makes a good seal.
48. Connect the tail harness 8-way connector to the trailer patch mating 8-way connector.



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49. Secure harness with cables (not supplied).
50. Re-assemble all the removed parts, from step 1 to step 8 and step 24 to step 33, in the reverse order of removal. Secure all clips and fastener ensure no rattle or squeak.
51. Test trailer function using a trailer board.
52. Ensure trailer mode is activated via vehicle infotainment screen.
    (Advise customer before handing the car back).
53. Place fitting instructions in glove box.

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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:

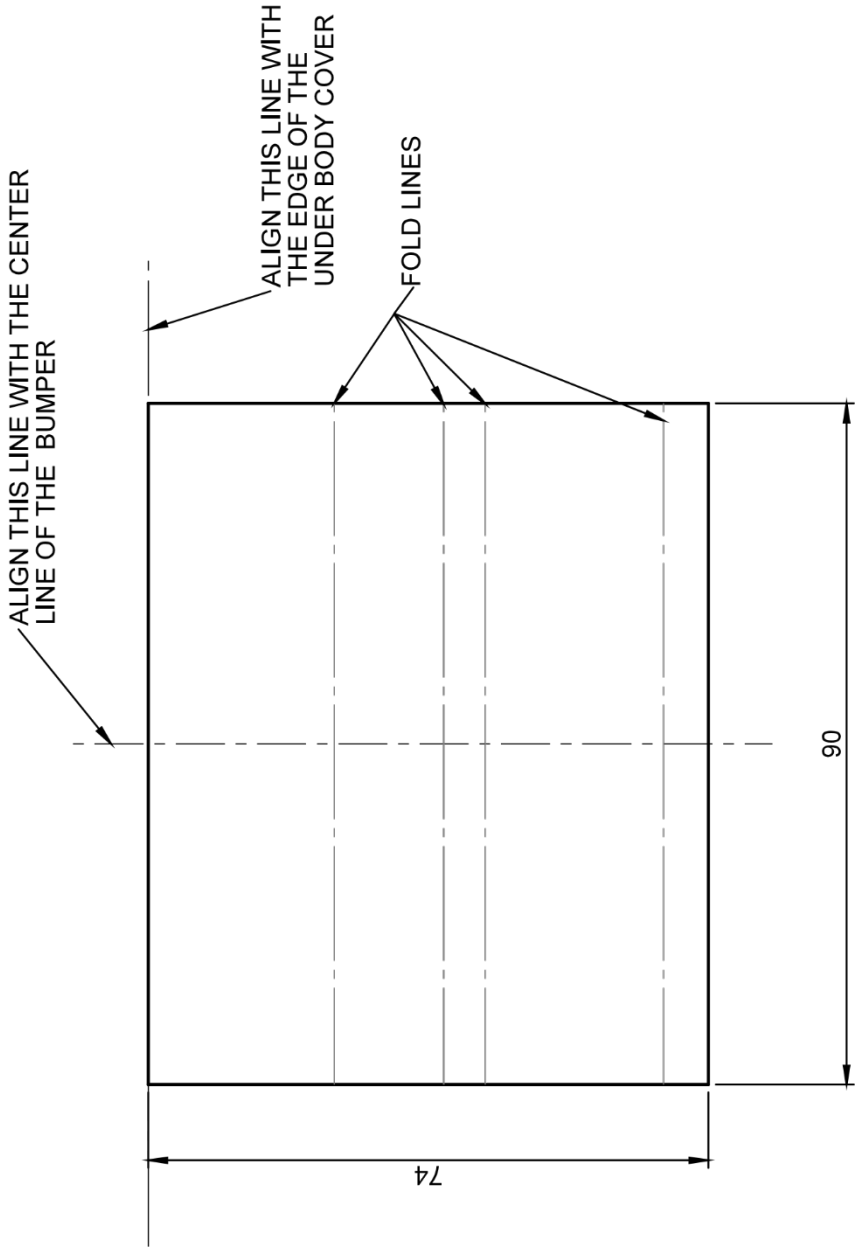
1. Trailboss recommend that the towbar LUG or TBM (Trailer Ball Mount) Pull Pin and R-clip are removed and stored when not in use. Removal of LUG or TBM (Trailer Ball Mount) is advisable when not in use to assist with any of the following.
    - Ensure rear number plate is not obscured.
    - Allow maximum 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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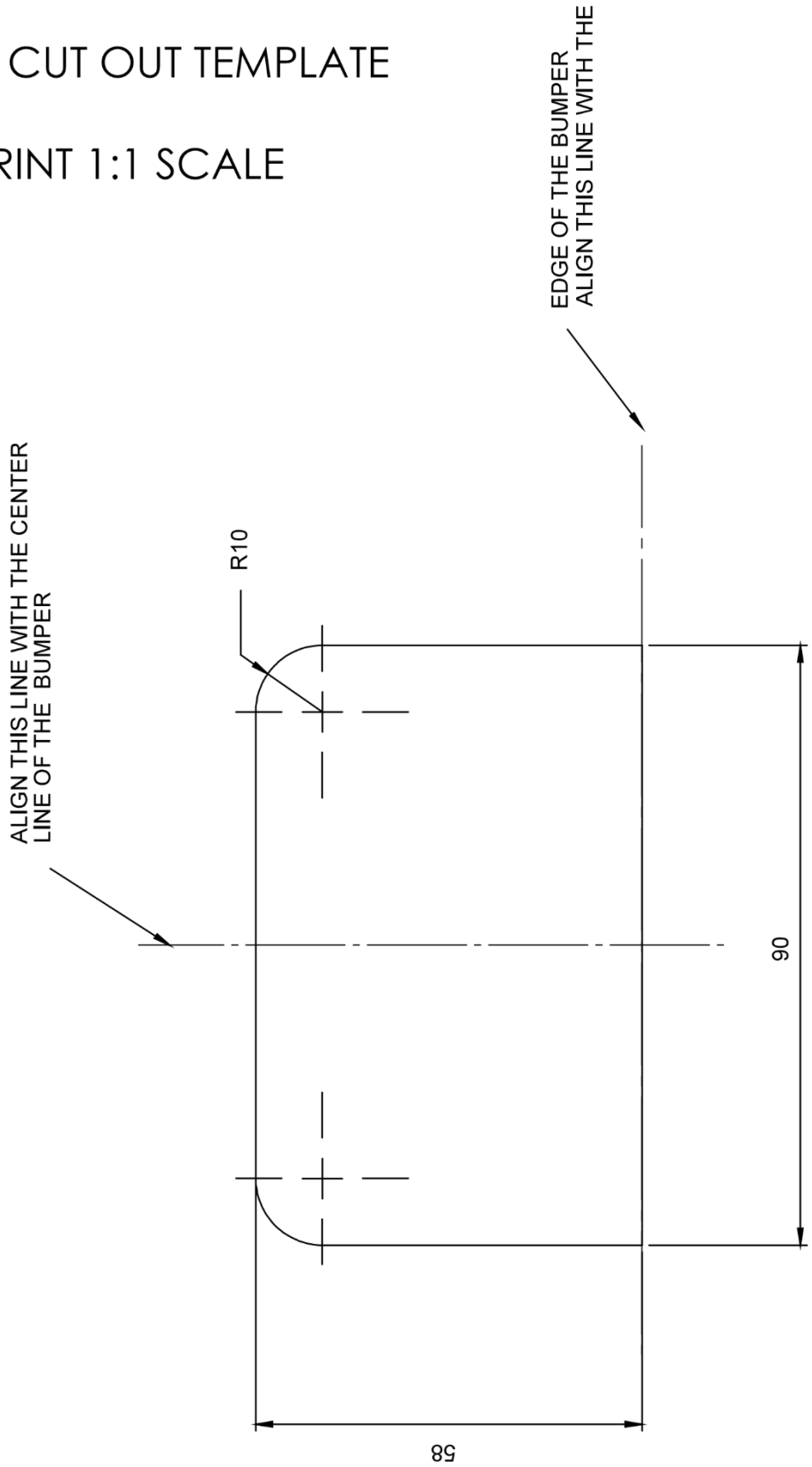
UNDER BODY COVER CUT OUT TEMPLATE
NOTE: PRINT 1:1 SCALE



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BUMPER CUT OUT TEMPLATE

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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)

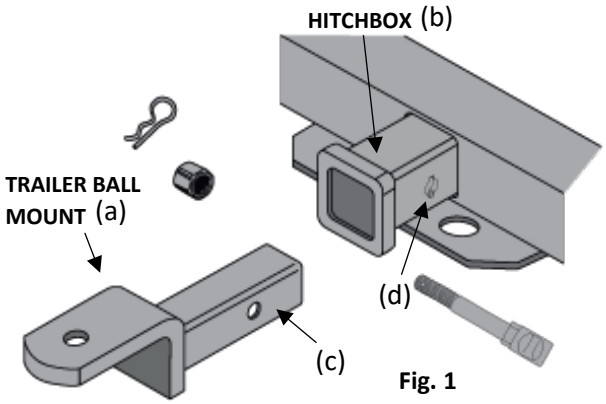


Fig. 1

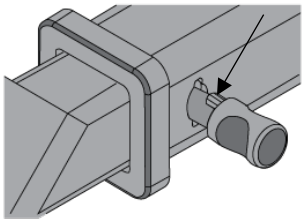


Fig. 2

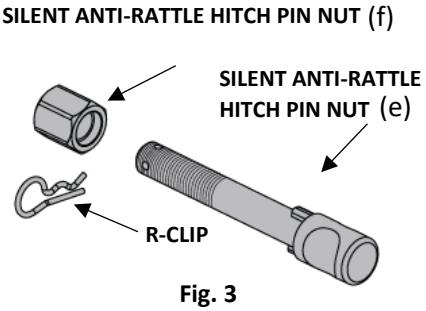
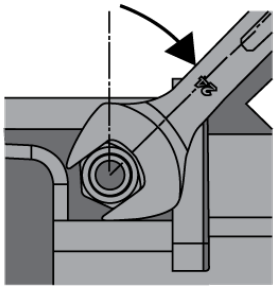
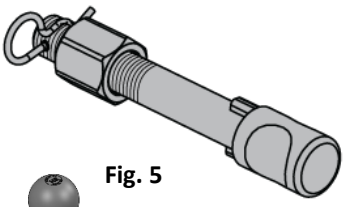
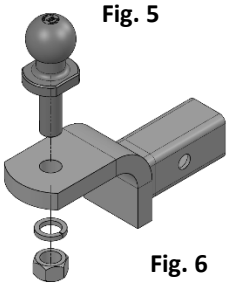


Fig. 3


Fig. 4


Fig. 5


Fig. 6

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