

PRODUCT DETAILS:

Part Number:	FD207L	Maximum Towing Braked:	1400	kg
ECU Number:	WLE70017	Maximum Towing Unbraked:	750	kg
Tail Harness Length Required:	1200 mm.	Maximum Static Ball Load:	140	kg
TBM/Lug Part Number:	07758			

FITTING DETAILS:

Towbar Installation Time:	50 Mins.	RPA Disable/Other Notes:	YES
Total Installation Time:	80 Mins.		
Bumper Cut Required:	Yes		

Note:

- RPA Disable when vehicle is coded (see Appendix for added information)
- Electric Brake Input Location: Blue Wire on patch harness

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

BEFORE YOU START:

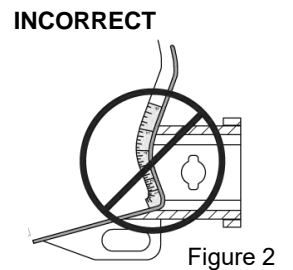
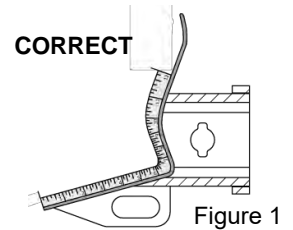
Check all hardware items have been included refer to assembly diagram.
Please ensure this towbar is only fitted to vehicle models as per Trailboss application guide.

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).



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

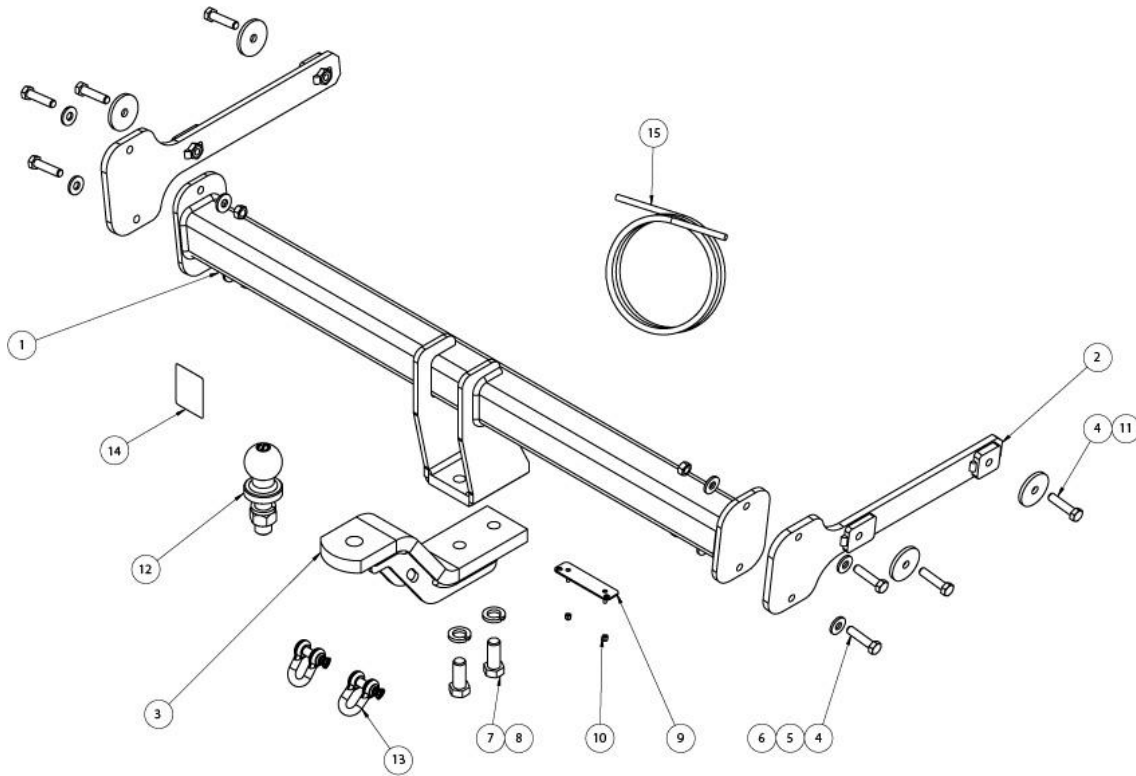
- a. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door.

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.

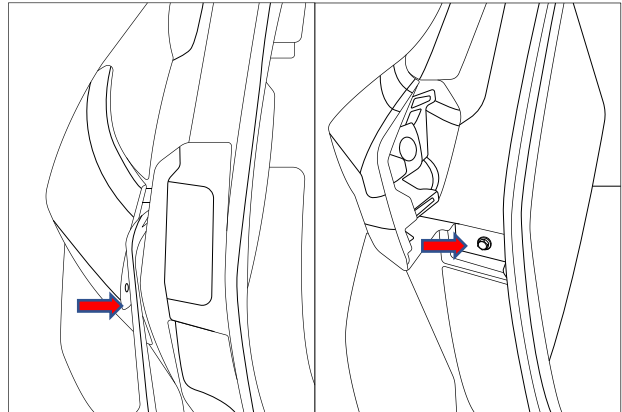
i TOWBAR ASSEMBLY DIAGRAM



ITEM	DESCRIPTION	QTY
1	FORD FOCUS SA HATCH CL2 CROSSBAR	1
2	SIDE ARM ASSEMBLY	2
3	LUG ASSEMBLY	1
4	BOLT HEX HD M10x45x1.5P	8
5	WASHER PLAIN M10x25x3	8
6	NUT HEX M10x1.5P	4
7	SET SCREW HEX M16x40x2.0P	2
8	WASHER SPRING M16x5x3.5	2
9	PLUG BRACKET	1
10	NUT NYLON LOCK HEX M4x0.7P	2
11	WASHER PLAIN M10x50x5	4
12	TOWBALL 50mm	1
13	"D" SHACKLE 10mm	2
14	ACRYLIC COMPLIANCE LABEL	1
15	WIRING LOOM	1

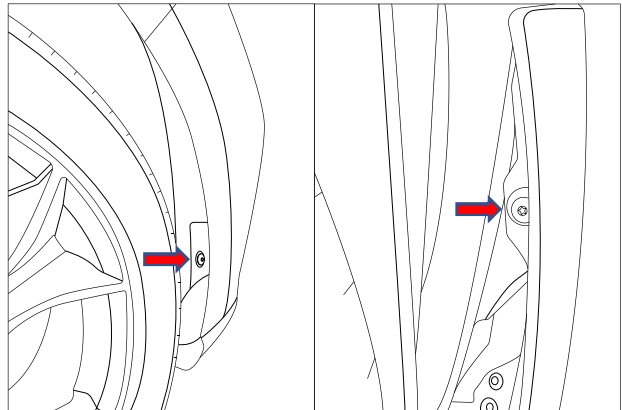
1. On the LHS:
Open the tail gate, Unclip the plastic tail gate cover, Remove 1x screw.

Repeat the steps for the RHS



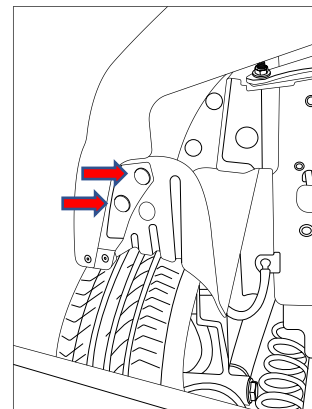
2. On the LHS:
Remove the 1x screw on the wheel arch liner;
Remove the 1x screw behind the wheel arch liner.

Repeat the steps for the RHS

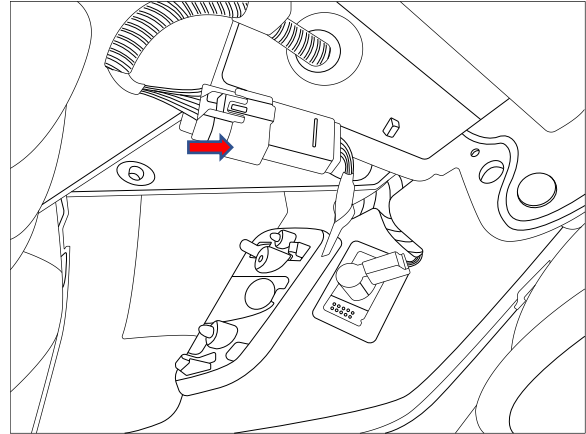


3. On the LHS:
Remove 2x screws.

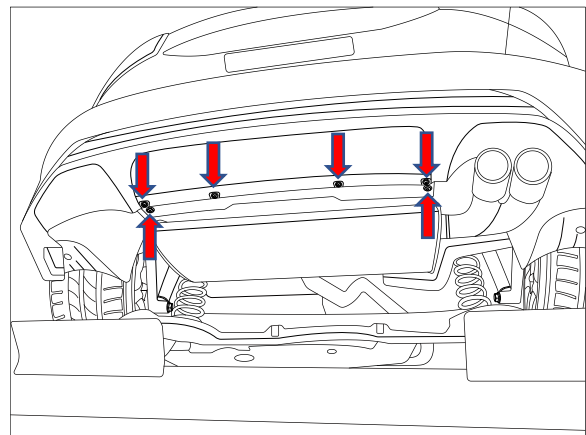
Repeat the step for RHS



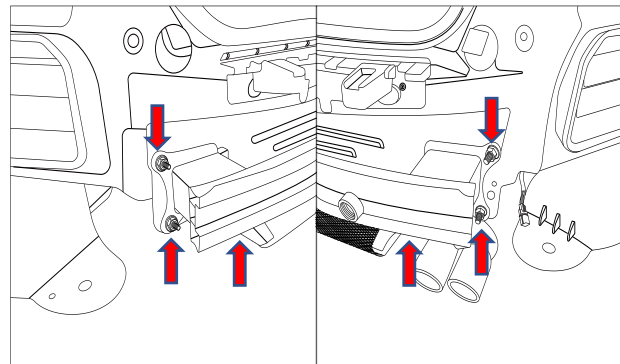
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4. On the RHS:
Disconnect the sensor harness.



-
5. Remove 6x screws and remove bumper from vehicle.

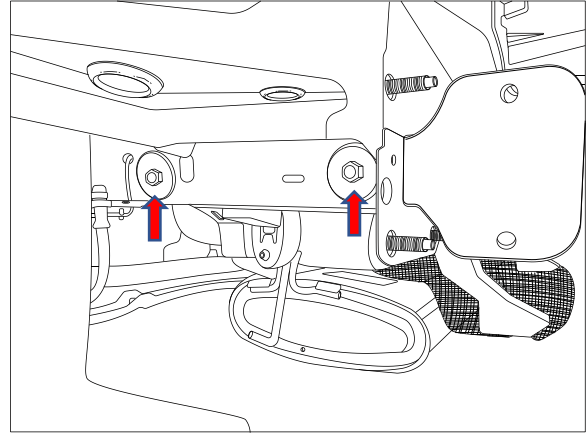


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6. Remove 6x nuts on the impact beam.
Discard the impact beam.



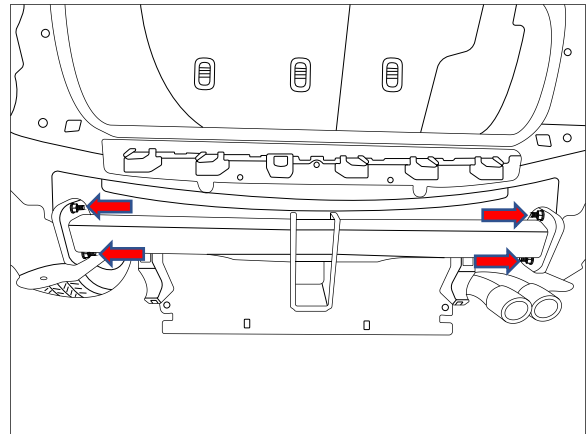
7. On the LHS:
Insert the Side Arm in the Chassis opening.
Screw in 2x M10x 45 bolts with 2x washers

Repeat the step for RHS

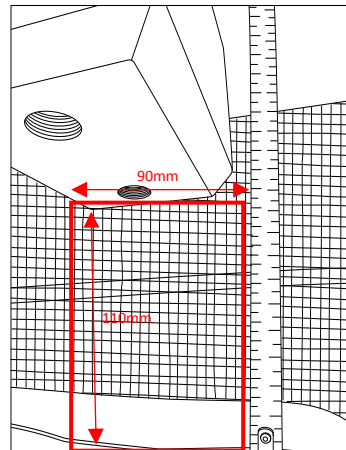


8. Fit the towbar cross bar between the side arm
Insert 2x M10 bolts, 4x washer and 2x nuts in
each side.

Torques all M10 bolts = 62Nm

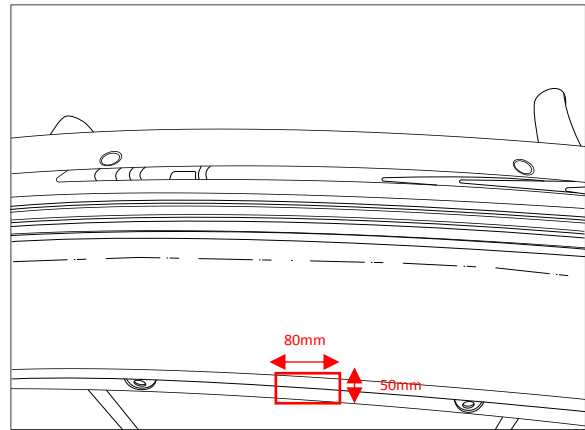


9. Cut out an area 110mm x 90 mm in the heat
shield.



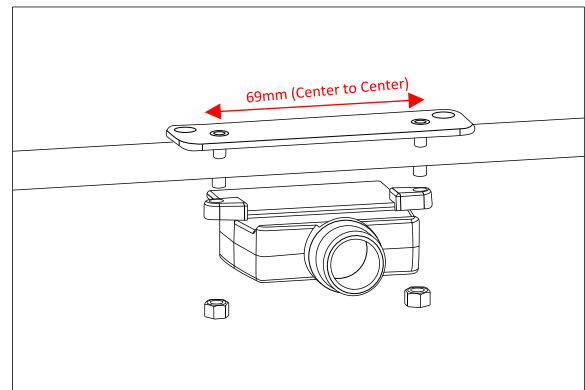
10. Determine centre of bumper, measure and mark off 80 mm wide by 50 mm long section as measure from the bottom edge of bumper. Cut marked lines and clean edges to remove any sharp burrs.

Re install bumper by reversing steps 1 to 5



11. Location plug position in bumper and install bracket as shown. Ensure location close to towbar and allow enough trail harness length to route to patch loom.

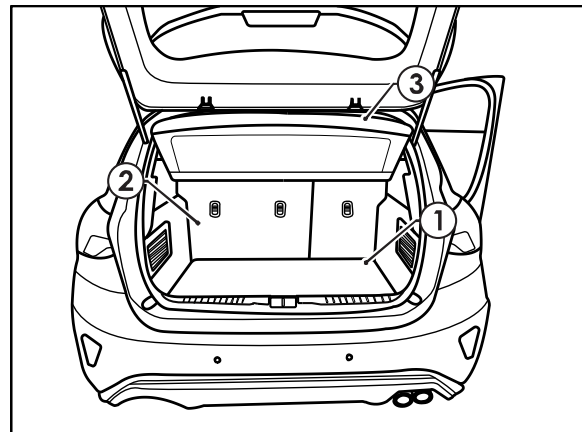
Note: use 4 mm. drill bit



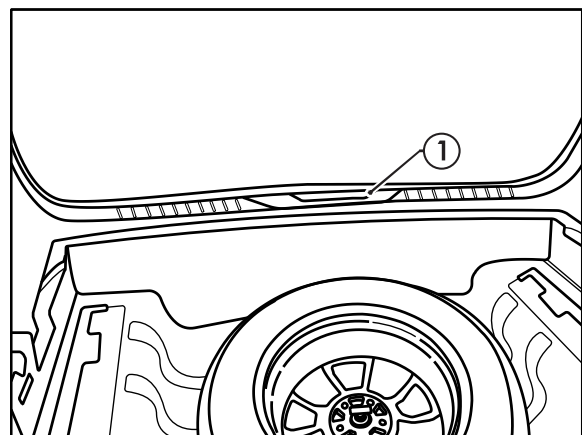
IMPORTANT

Due to possible vehicle variations, always confirm any noted vehicle colour wires with a multi-meter to ensure the correct function is identified before soldering or scotch locking. For vehicle wires denoted with two colours (example; RED/GREEN) the first colour will always be the main wire colour while the second colour is the thinner trace colour on the wire.

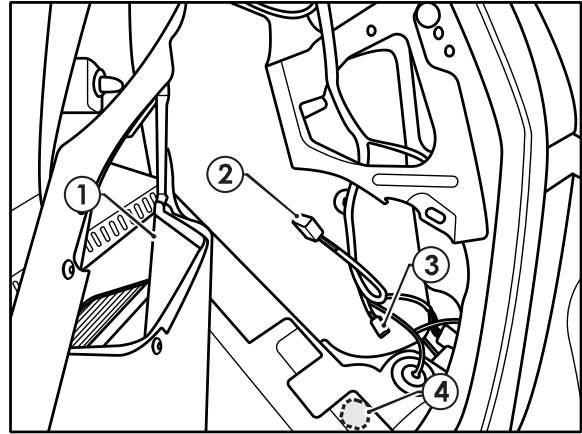
12. In the luggage compartment, remove the floor cover (1).
13. Fold the rear seats (2) forward.
14. Remove the rear sunshade (3).
15. Remove the cargo barrier if present.
16. Remove the floor carpet.



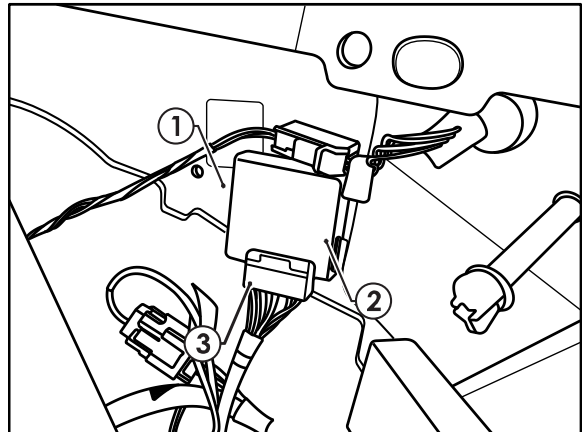
17. Remove the rear scuff trim (1) by pulling firmly in an upwards direction.



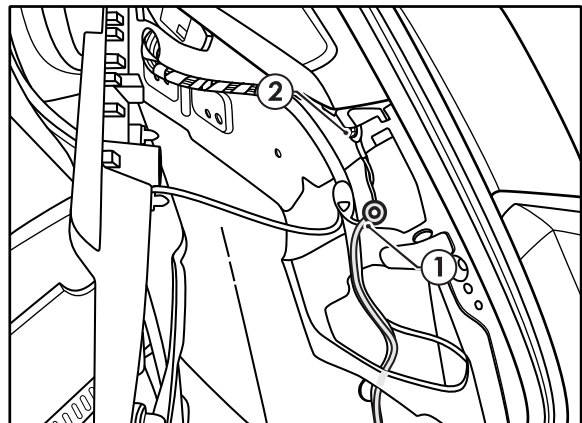
18. Dislodge the RHS trim (1).
19. Locate the vehicle power (2) and CAN connectors (3).
20. Remove the tape and connect the CAN connector and the power connector to the mating connectors on the patch loom (WLL90014).
21. Drill a 30mm grommet hole in a suitable location (4) to enable the tail harness to be routed from the towbar to the ECU.



22. Using an alcohol wipe, clean a suitable area of sheet metal (1) and the underside of the ECU (WLE70017) (2).
 23. Connect the trailer patch 18-way connector (3) to the ECU.
 24. Apply double sided tape to the ECU (2) and secure it to the vehicle sheet metal.
- Note: Mount the ECU, ensuring the connector is orientated downwards.**

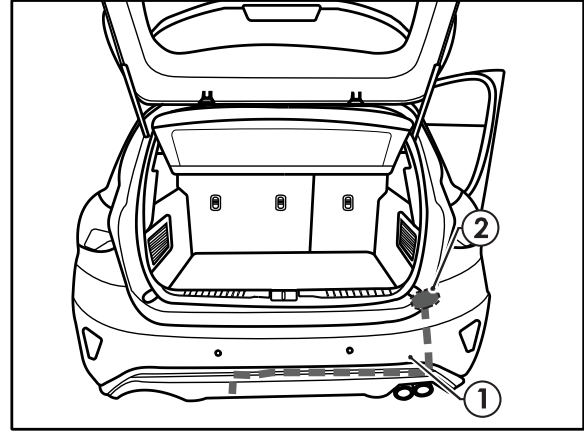


25. Connect the ground wire ring terminal (1) to a suitable vehicle earthing point (2).
- Note: Tie up and secure excess wire to existing vehicle harness using supplied cable ties.**

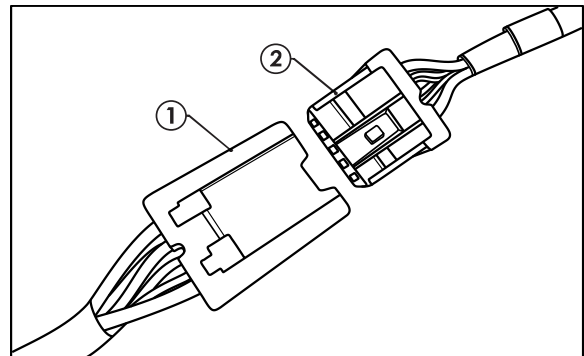


26. With the rear bumper removed, secure the tail harness (1) to the towbar.
27. Route the tail harness up through chassis hole to trailer harness blue connector on wiring loom.
28. Seat the tail harness 30mm grommet (2) in the previously drilled hole.

Note: Keep harness routing clear of all sharp edges, moving parts and places of extreme heat.
Note: Ensure grommet is seated correctly and makes a good seal.



29. Connect the tail harness (tail length 1200mm) 8-way connector (1) to the trailer patch 8-way mating connector (2).
30. Secure all harness using supplied Cable Ties.



31. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
32. Next step is coding of vehicle. Pay attention to the "SmartCODE" instruction (Appendix).
33. Test the trailer patch function using a light board or multi-meter.
34. Place the fitting instructions in the glove box after fitment.



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.

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 Nut (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)

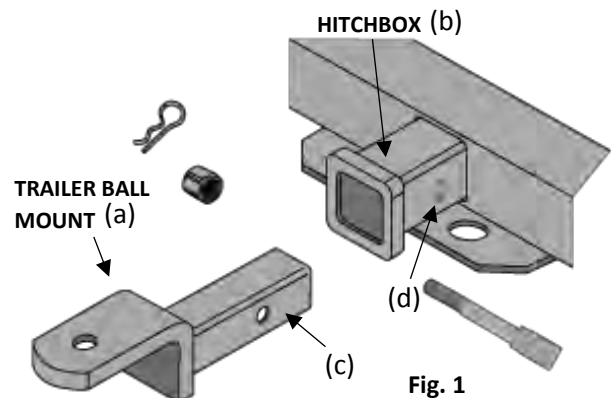


Fig. 1

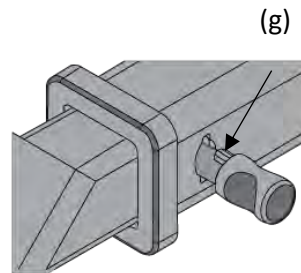


Fig. 2

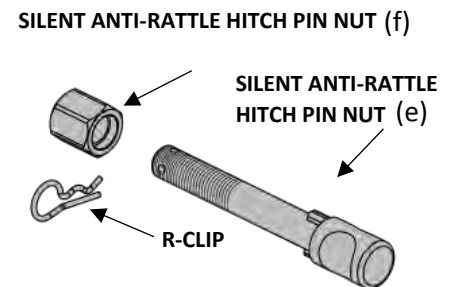


Fig. 3

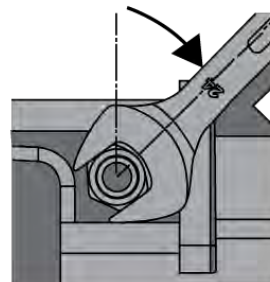


Fig. 4

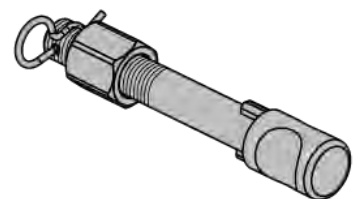


Fig. 5

Appendix



WARNING: This vehicle requires a system setting to ensure the trailer wiring and control module are correctly recognised. This process (referred to as 'coding') must be carried out to enable correct vehicle functionality when trailer is connected. Towing features enabled by correct control module and coding support OE functionality as set by OE manufacturer. Please read the vehicles owner's manual for proper operation and understanding.

Coding can be carried out using the Hayman Reese SmartCODE (HRSC) using the following steps. Note, if HRSC is unavailable, vehicle coding can be carried out by OE manufacturer as needed.

Before you start:

- **Ensure the HRSC software is up to date using the HAYMAN REESE SMARTCODE PC APP.**
 - **Ensure the vehicle battery is fully charged**
 - **Use of a battery support unit (BSU) is advised during the coding process.**
 - **Ensure towbar, wiring loom and ECU are correctly installed as per Hayman Reese fitting instructions.**
1. Locate the OBD2 port under the drivers footwell on the right-hand side and plug in the HRSC.
 2. Close all doors and turn the ignition on
 3. Follow the directions on the screen of the HRSC
 4. Once the vehicle has been coded successfully proceed to the "clear codes" tab
 5. Remove disconnect HRSC from OBD2 port.
 6. Check the dash to make sure there are no warning faults.
 7. Check the operation of trailer lights and ensure the Reverse Park Assist (RPA) is disabled and 'trailer on' icon is active where available.

For technical support and further information on Hayman Reese SmartCODE tool and coding process contact your nearest Hayman Reese stockist.

Australia: 1800 812 017

New Zealand: 0800 237 886