

**PRODUCT DETAILS:**

<b>Part Number:</b>	QTHN456L	<b>Maximum Towing Braked:</b>	1500	kg
<b>ECU Number:</b>	04826	<b>Maximum Towing Unbraked:</b>	600	kg
<b>Tail Harness Length Required:</b>	1800 mm	<b>Maximum Static Ball Load:</b>	150	kg
<b>TBM/Lug Part Number:</b>	21148			

**FITTING DETAILS:**

<b>Towbar Installation Time:</b>	90 Mins.	<b>RPA Disable/Other:</b>	NO
<b>Total Installation Time:</b>	135 Mins.		
<b>Bumper Cut Required:</b>	Yes		

**Note:**

- RPA Disable Information: Via Infotainment.
- Fitment time for third row seat model allow 30mm extra time.

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

#### BEFORE YOU START:

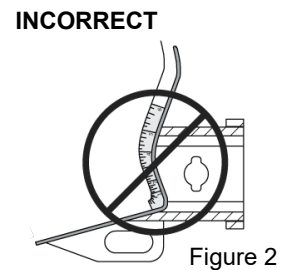
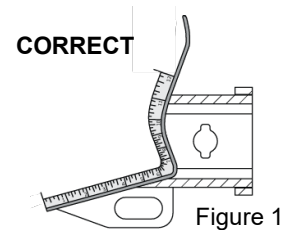
Check all hardware items have been included refer to assembly diagram.  
Please ensure this towbar is only fitted to vehicle models as per Trailboss application guide.

#### 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

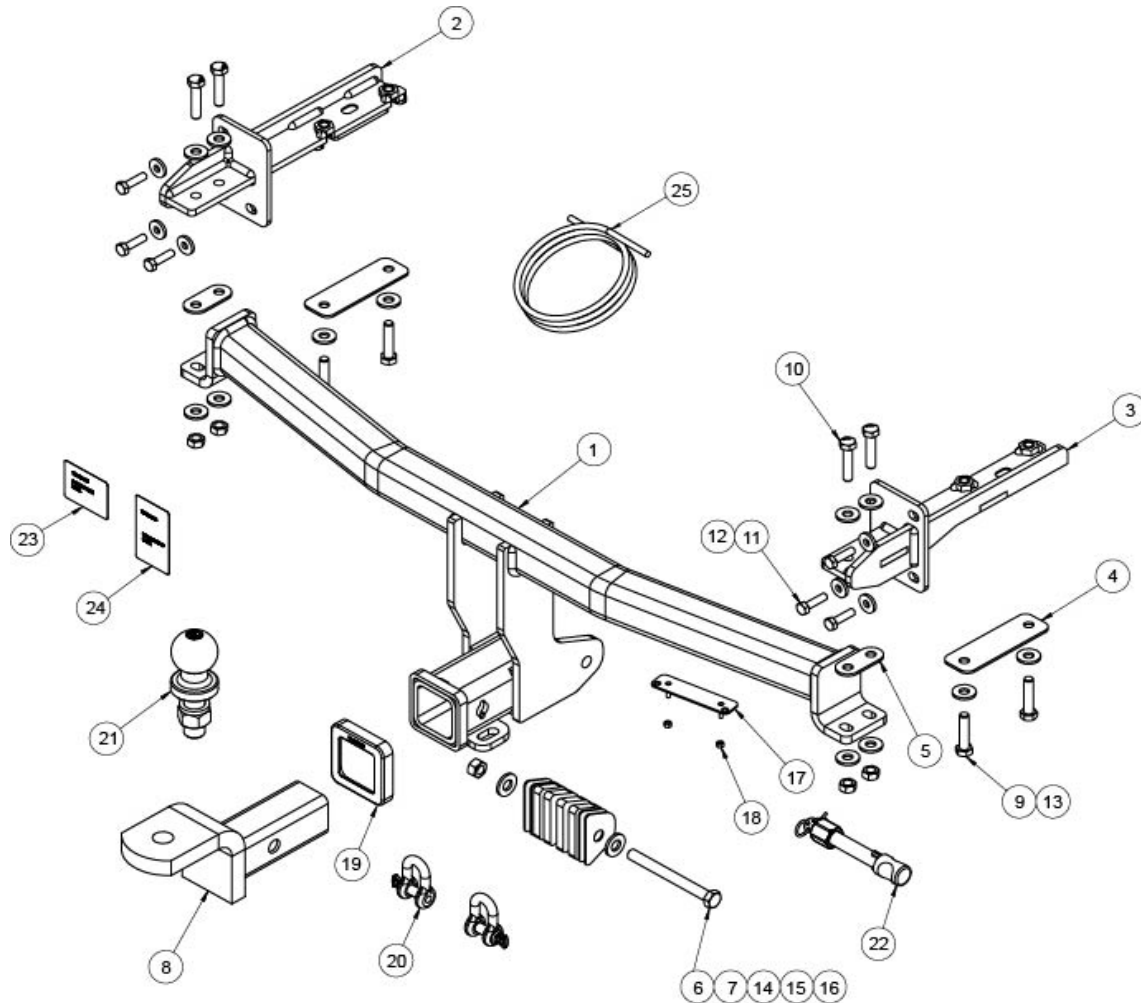
- a. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door.

### 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

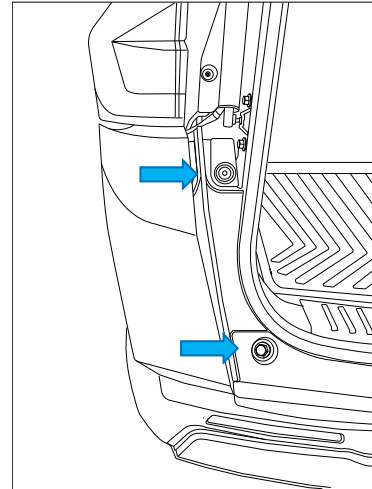


ITEM	DESCRIPTION	QTY
1	HONDA CRV WELDED ASSEMBLY	1
2	HONDA CRV SIDE ARM LHS	1
3	HONDA CRV SIDE ARM RHS	1
4	CHASSIS MOUNTING SPACER PLATE 3mm	2
5	MOUNTING SPACER PLATE 3mm	2
6	TOW HOOK SPACER THICK	4
7	TOW HOOK SPACER THIN	4
8	TRAILER BALL MOUNT	1
9	SCREW HEX HD M10x45x1.5P G10.9	8
10	NUT HEX HD M10x1.5P G8	4
11	SCREW HEX HD M8x30x1.25P G8.8	6
12	WASHER PLAIN M8x22x3.0mm	6
13	WASHER PLAIN M10x25x3.0mm	12

ITEM	DESCRIPTION	QTY
14	BOLT HEX HD M12x120x1.25P G8.8	1
15	WASHER PLAIN M12x27x3.0mm	2
16	NUT HEX HD M12x1.25P G8	1
17	PLUG BRACKET	1
18	NUT NYLOC HEX HD M4x0.7P G8	2
19	HITCH BOX COLLAR COVER	1
20	D-SHACKLE 10mm	2
21	TOWBALL 50mm	1
22	SMART PIN SILVER	1
23	COMPLIANCE LABEL	1
24	LOAD RATING LABEL	1
25	WIRING LOOM	1

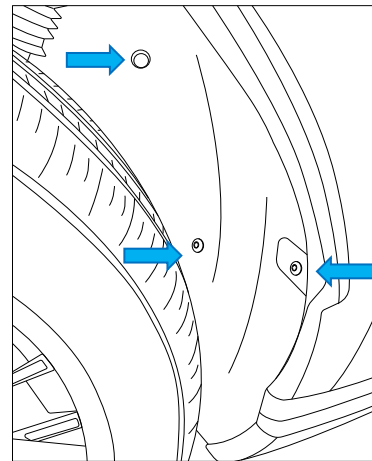
1. On the LHS of the bumper, remove 2 x torx head screws from perimeter of boot opening.

Repeat for RHS.



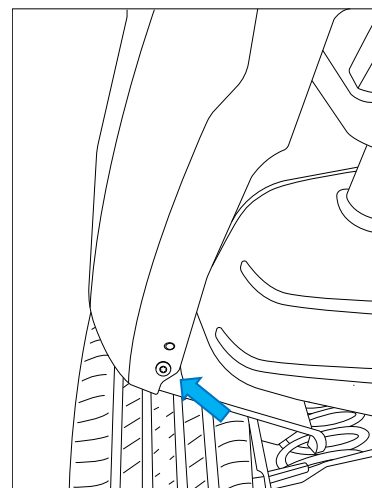
2. On the LHS of vehicle, remove 1 x screw and 2 x scrivet from inside wheel arch

Repeat for RHS.



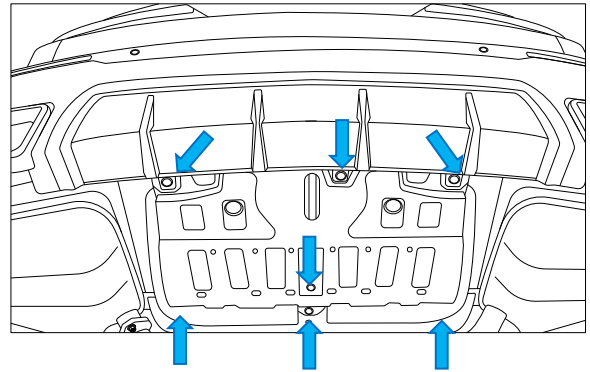
3. On the LHS of Vehicle, underside of the bumper, remove 1 x screw attaching to the wheel arch liner.

Repeat for RHS.



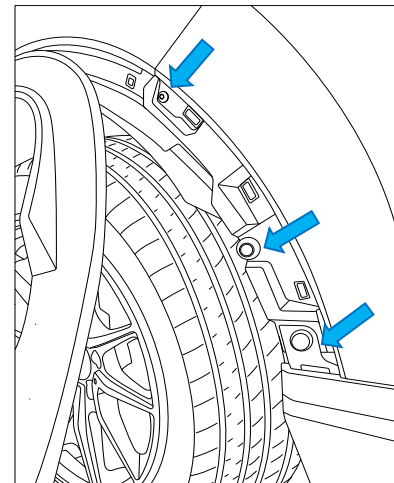
4. On the underside of the vehicle, remove 5 x scrivenets and 2 x flange nuts retaining the undercover.

Set aside for later.



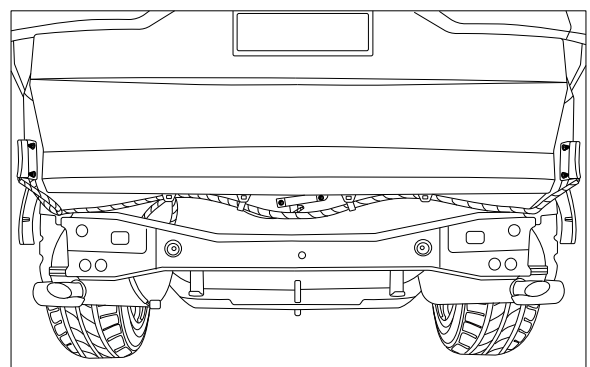
5. On the LHS of vehicle, carefully unclip and remove wheel arch trim from vehicle. Remove 1 x screw and 1 x scrivenet from behind wheel arch cover (now removed).

Repeat for RHS.



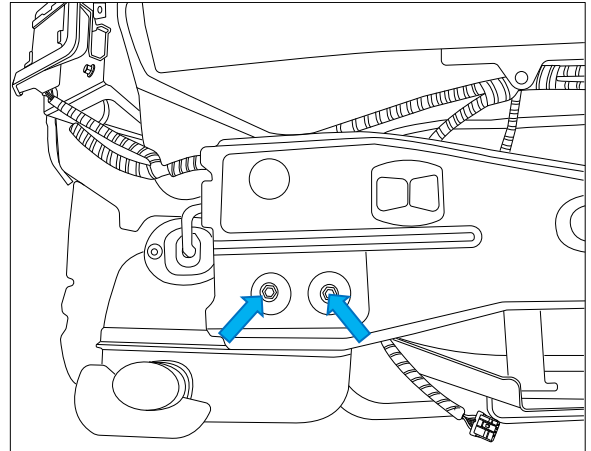
6. Carefully peel back bumper from corners and remove, ensuring to disconnect any attached wiring.

Set bumper aside.



7. Remove impact beam via 3 x hex head bolts per side.

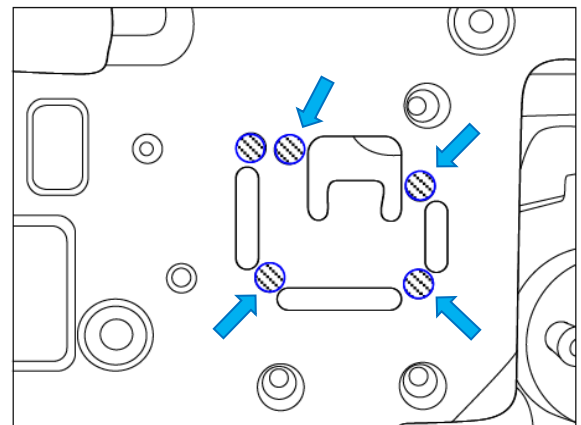
Discard impact beam and bolts.



8. Using the 5 x location marks shown on the rear panel chassis opening, drill 5 x 14mm holes to remove metal sheeting.

Once cut, clean any burrs or sharp edges using a file. Apply rust preventative paint on exposed edges.

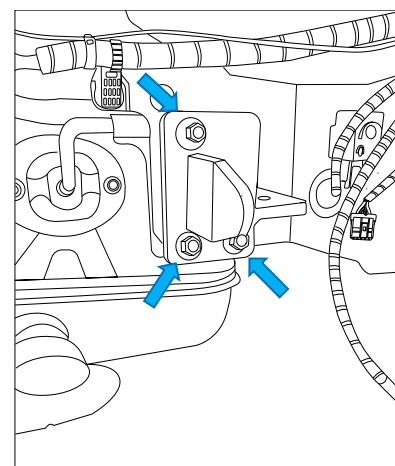
Repeat for other side.



9. Ensuring the cutout is sufficient, insert LH side arm (refer to exploded view) into chassis rail. Loosely Secure with 3 x M8 bolts complete with 1 x M8 washer per bolt to the rear panel.

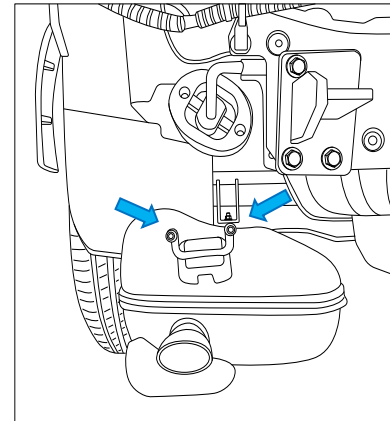
Repeat for RHS.

**NOTE:** Prior to side arm installation check the side arm weld nut threads can easily accept the M10 X 45mm Bolts. You may need to clear the thread of any excessive paint or debris.



10. Lower the exhaust on both sides of vehicle (if equipped) by removing from exhaust mounts. Support exhaust once lowered.

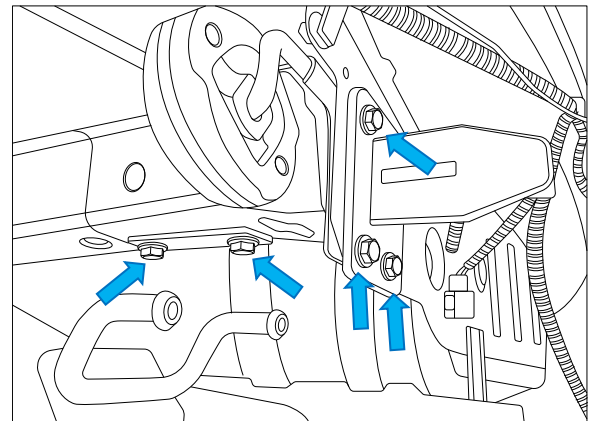
**NOTE:** Use soapy water to lubricate the rubber and making it easier to remove the exhaust mounts.



11. Loosely secure LH side arm to underside of chassis rail via 2 x M10 x 45mm bolts and 1 x M10 Washers plate per bolt and 1 x Chassis Mounting Plate

Repeat for RHS.

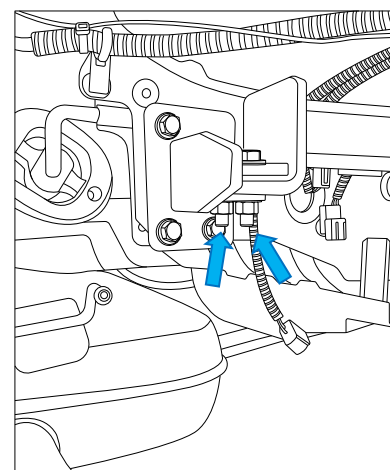
**NOTE:** May need to remove the 3 x M8 bolts and washers, fixing the bracket to the rear wall. to aid inserting the 2 x M10 Bolts into the chassis rail.



12. With two people Lift the towbar up to side arms and loosely secure the LHS Using 3mm Spacer Plate, 2 x M10 x 45mm bolts complete with 2 x M10 washers and 1 x M10 nut per bolt.

Repeat for RHS

**NOTE:** 3mm Spacer Plate is to be mounted inbetween bottom of side arm and top of towbar end plate as shown.



13. Secure towbar to centre recovery hook via 1 x M12 bolt complete with 2 x M12 washers and 1 x M12 nut. Insert spacer plates provided onto bolt between tow hook and dropper until a tight fitting is achieved

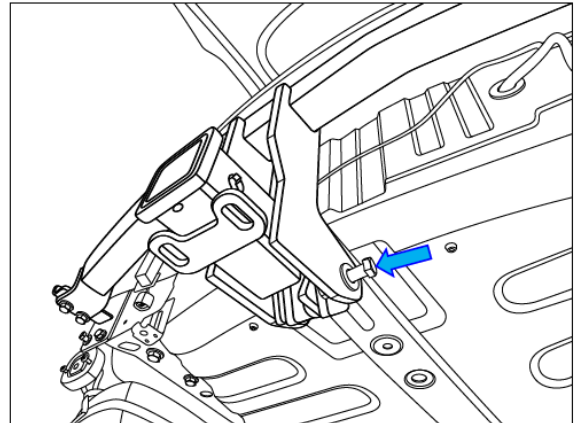
**NOTE:** Not all spacer plates may be used.

Tighten all fasteners to the torques listed below:

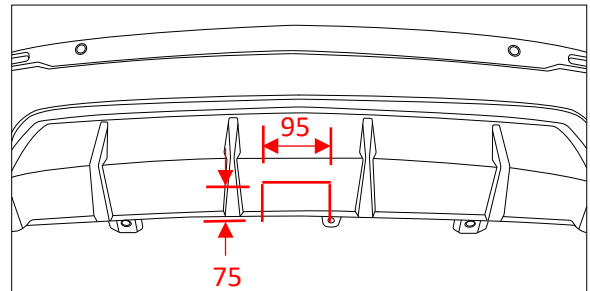
M8 x 1.25 x G8.8: **22 N.m**

M10 x 1.5 x G8.8: **44 N.m**

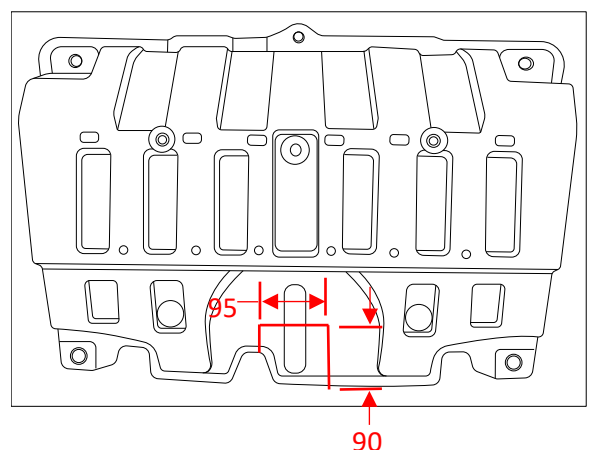
M12 x 1.25 x G8.8: **89 N.m**



14. Identify the centreline of the inside of the bumper. Mark and cut a 95mm wide by 75mm long rectangle, as measured from the bottom edge of the bumper. Remove any burrs after cut.



15. On the cover removed in Step 8, identify the slot allocated for the factory tow hook. Mark and cut a 90mm wide by 95mm long square, as measured from the bottom edge of the cover near the slot.

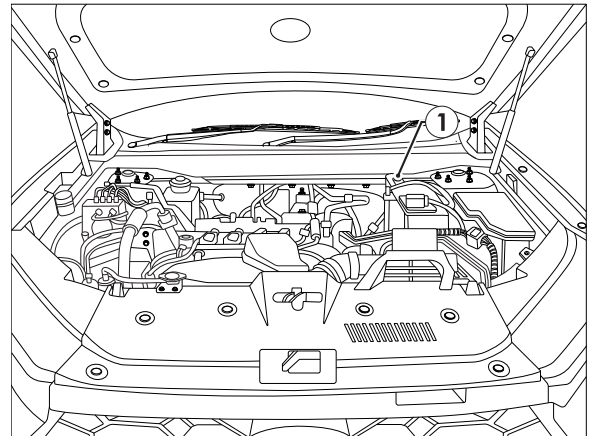




### IMPORTANT

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.

16. Open the rear tail gate.  
In the engine bay, disconnect the vehicle battery negative terminal (1).



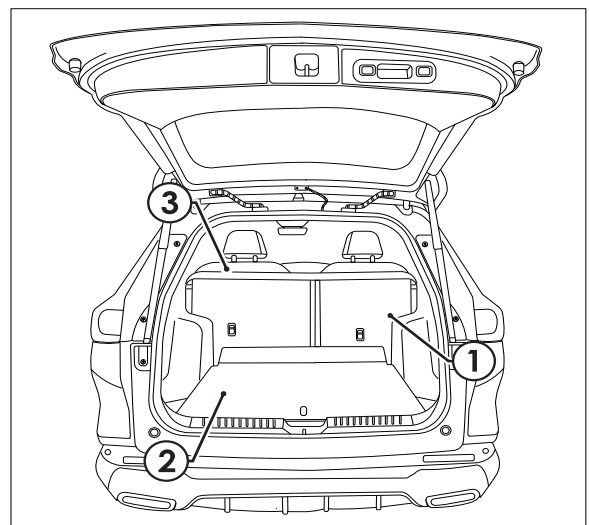
17. Continue with Step 18 - 23 for 2-row seat ICE and HEV model.

**Skip to Step 24 for 3-row seat model**

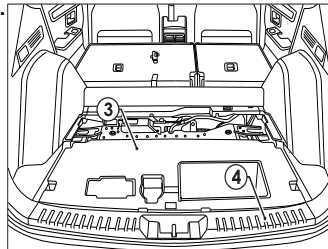
Fold down rear passenger seats (1).

Remove luggage compartment floor (2).

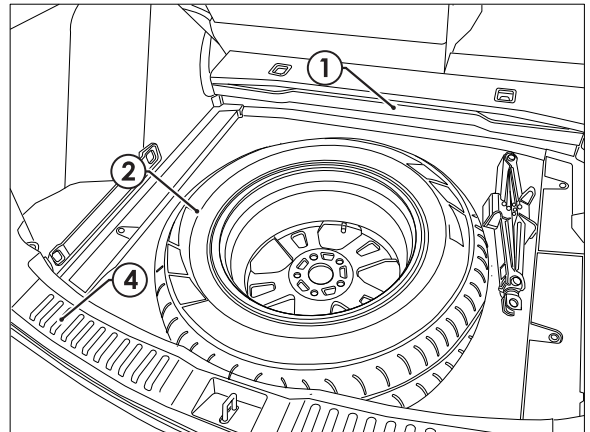
Remove parcel shelf (3).



18. Remove plastic trim (1) behind rear seats.  
For ICE model vehicles, remove the spare tyre (2).  
For HEV model vehicles, remove tyre repair kit (3).  
Remove tailgate trim (4).

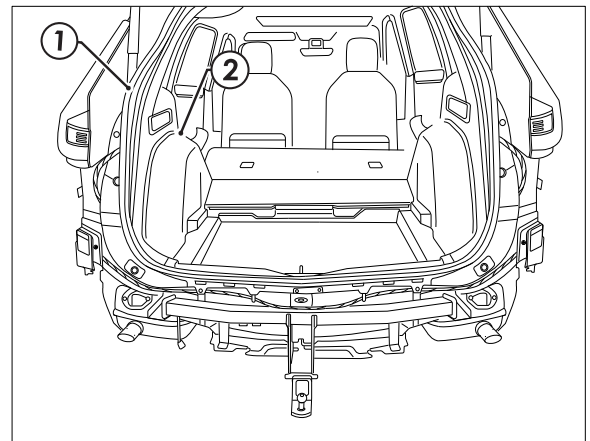


HEV Model Shown



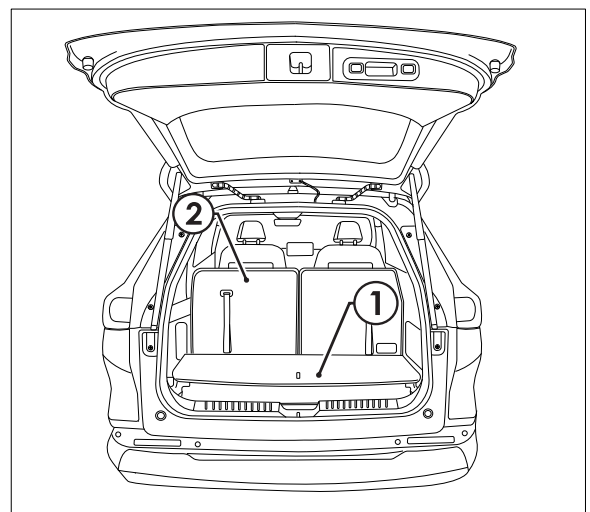
ICE model vehicle shown

19. Dislodge the tailgate seal (1) along the LHS luggage compartment trim as well as the passenger rear door seal.  
20. Remove rear passenger door sill trim.  
21. Carefully dislodge the LHS luggage compartment trim (2) and disconnect any connector present behind the trim.  
22. Remove the LHS luggage compartment trim (2) from the vehicle.  
**Proceed to Step 27.**

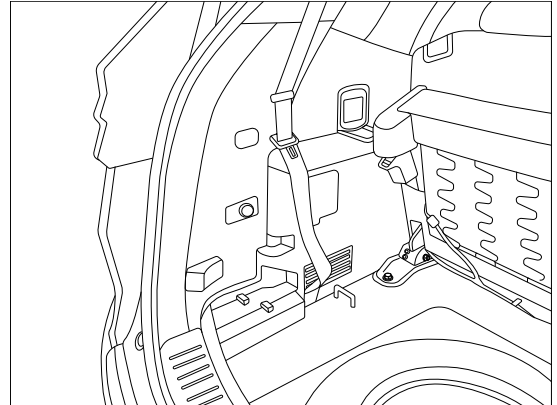


ICE model vehicle shown

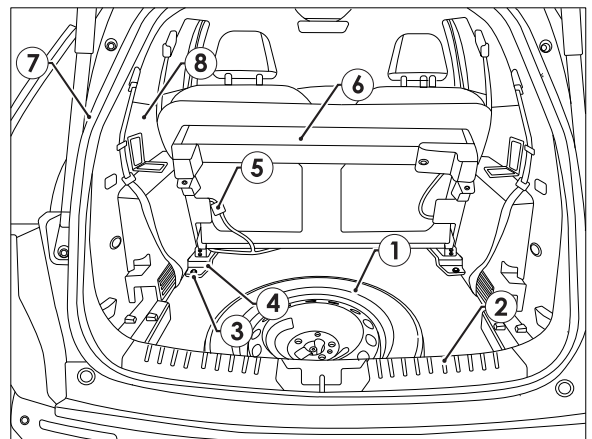
- 23. Proceed with Step 24 - 26 for 3-row seat model.**  
Remove the luggage compartment floor (1).  
Fold down the 3rd row seatbacks (2) and remove the spare tyre cover.



24. With the seatbacks folded down, pull the strap to bring up the rear seat as shown.



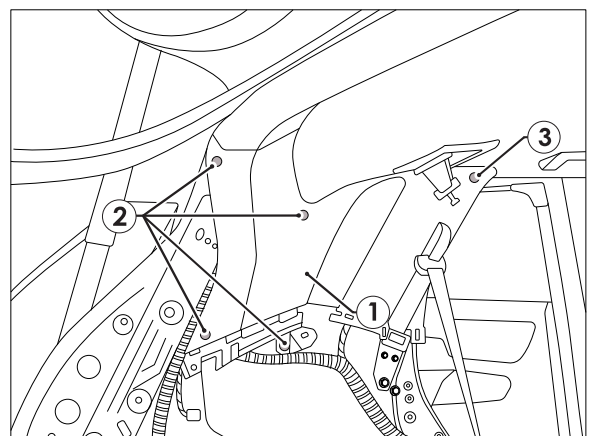
25. Remove the spare tyre (1).  
 Remove the tailgate trim (2).  
 Remove the bolt (3) from the front and rear of the LHS rear seat bracket (4) and repeat for the RHS.  
 Disconnect the connector (5) under the rear seat.  
 Remove the rear seats (6).  
 Dislodge the tailgate seal (7) along the LHS luggage compartment trim as well as the passenger rear door seal.  
 Remove rear passenger door sill trim.  
 Carefully dislodge the LHS luggage compartment trim (8) and disconnect any connector present behind the trim.  
 Remove the LHS luggage compartment trim from the vehicle.



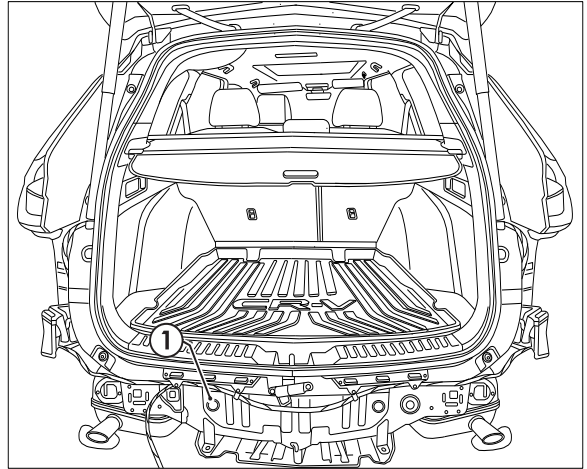
**Proceed to Step 27.**

26. Dislodge the upper LHS compartment trim (1) by only unclipping 4x trim clips (2) to allow access to the 8-way connectors behind the trim.

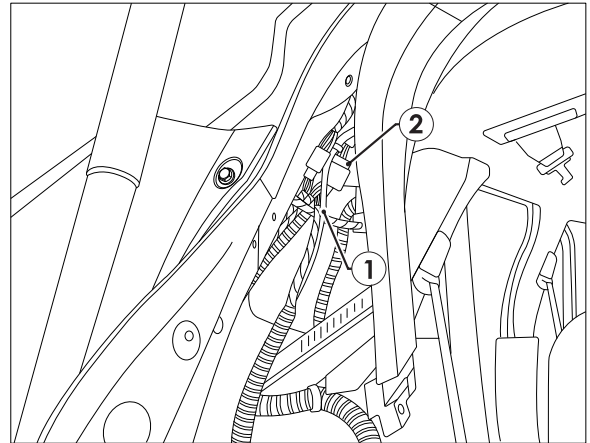
**Note: If the upper LHS compartment trim needs to be removed and the airbag clip (3) is damaged, the clip P/No: 91561SJD003 is required to be ordered from Honda for replacement.**



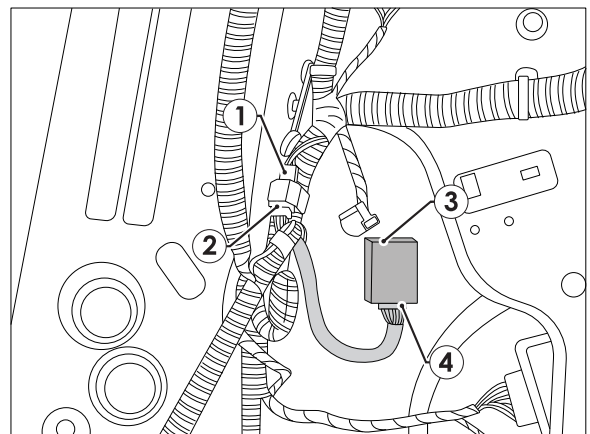
27. Locate the vehicle grommet **(1)**.  
Remove and discard the vehicle grommet.



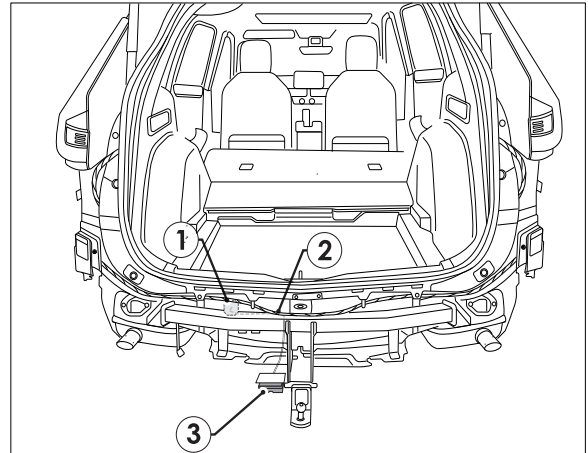
28. Pull open the LHS upper compartment trim towards the centre of the vehicle to allow access to the vehicle 8-way connectors. Connect the 8-way connector patch **(1)** on the trailer patch (P/No: 102855-WL) between the vehicle 8-way connectors **(2)** to pick up vehicle reverse and tail signal.



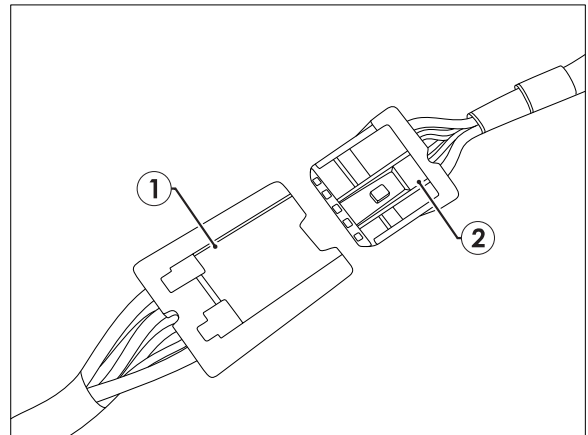
29. Locate the vehicle pre-wire connector **(1)**.  
Connect pre-wire connector **(2)** on the trailer patch to the vehicle pre-wire connector **(1)**.  
Mount the trailer lamp ECU **(3)** on the flat surface of the vehicle sheet metal as shown.  
Connect the ECU connector **(4)** on the ECU **(3)**.



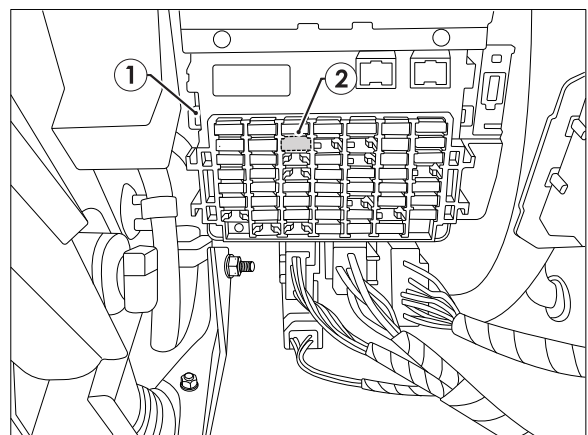
30. Feed the blue connector on the tail harness (tail length 1800mm) through the grommet hole (1).  
Inside the vehicle, pull the tail harness through towards the 8-way mating connector on the trailer patch.  
Ensure to leave enough length to connect the mating connector on the trailer patch.  
Ensure the grommet on the tail harness is properly seated on the vehicle grommet hole.  
At the rear of the vehicle, route the tail harness (2) along the towbar.  
Secure the 7-pin socket (3) on the towbar.



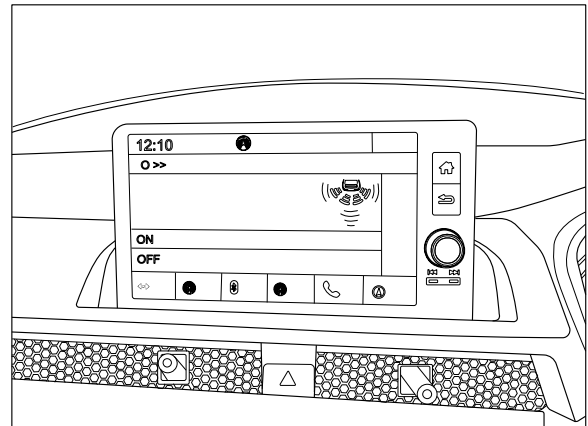
31. Inside the vehicle connect the tail harness 8-way connector (1) previously pulled through to the trailer patch 8-way mating connector (2).



32. From the right of the steering wheel, locate the accessory fuse panel (1).  
Install the supplied 20A fuse into the slot (2) (3rd column from the left and 2nd row from the top).



33. Secure all harness using supplied cable ties. Reconnect the battery negative terminal. The RPA function can be disabled via Settings in the vehicle head unit by going into Vehicle Settings → Driver assist system setup → Rear sensor setting → OFF. Test the trailer patch function using a light board or multi-meter. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles. 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:

- 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.
- 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.
- 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)

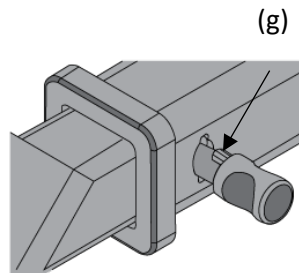
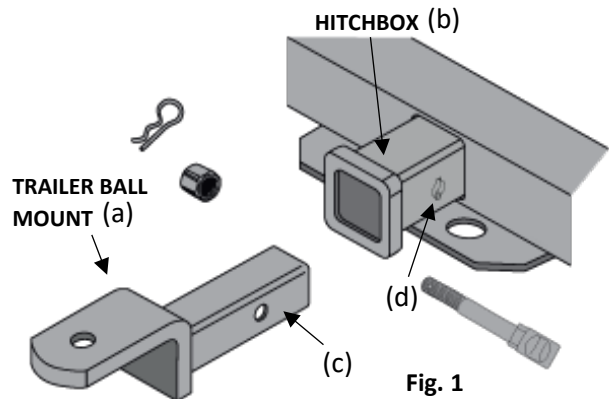


Fig. 2

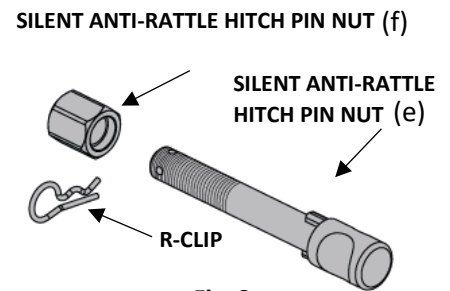


Fig. 3

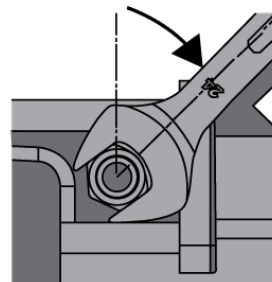


Fig. 4

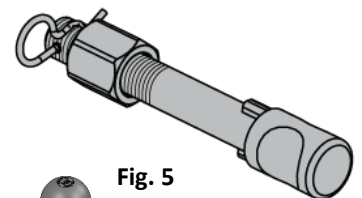


Fig. 5

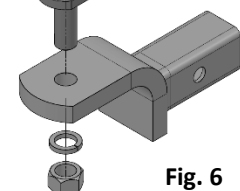


Fig. 6