



Towbar Fitting Instructions  
To Suit **MIT'S EXPRESS SU/RENAULT TRAFIC X82 CL4**  
Part Number **QTRE15L**  
Rating **2000/200 kg**

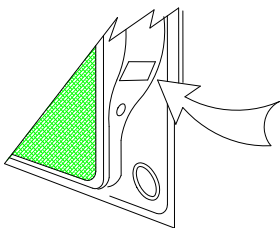
PLACE THESE INSTRUCTIONS IN THE VEHICLE'S GLOVEBOX AFTER INSTALLATION IS COMPLETED

**WARNING:**

1. Do not, drill, cut, weld or otherwise modify the tow bar.
2. If you are using electric welding on a motor vehicle, **always** check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could **destroy** any onboard computers. If in doubt, check with the vehicle's manufacturer.
3. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorised **Trailboss** dealer if further information is required.
4. If TBM is used in inverted position tow ball may make contact with rear tailgate when lowered, which could cause damage.

**General:**

1. Ensure all hardware items have been included refer to assembly diagram.
2. It is recommended that the instructions are read through and completely understood before making any attempt to fit this product.
3. Be wary of any changes to vehicle designs or other accessories that may conflict with the installation of this product.
4. Before drilling ensure that the area is clear of fuel, electrical & other components.
5. All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.
6. For vehicles that require the bumper to be cut. Ensure cut out area is in correct position on the vehicle prior to cutting the bumper.
7. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorized **Trailboss** dealer if further information is required.
8. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
9. Tow bar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
10. Trailboss recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
11. **PLEASE NOTE:** It is advised to remove your lug or tbn when not actually towing so as to produce a clear view of the vehicles registration plate if obscured, and to also provide maximum available departure angle
12. Pull Pin must be fit in down position.



Place load rating sticker  
inside driver's door here

**FOR TRAILER TOWING PURPOSES ONLY**  
For towing capacity details please refer to vehicle owner's manual or to the manufacturer. Overloading can void your warranties.

**RECOMMENDED ASSEMBLY TORQUE LISTING**

| Diameter | Grade 8.8 Bolt |
|----------|----------------|
| M6       | 9.5 Nm         |
| M8       | 21.7 Nm        |
| M10      | 43.4 Nm        |
| M12      | 77.3Nm         |
| M14      | 146 Nm         |
| M16      | 189.8 Nm       |

**Tow bar Maintenance and Care.**

Trailboss recommends that bolt torque's, as listed below, are routinely and regularly inspected and checked for correct tension. Replace any worn or defective parts.

We recommended to remove Tow Ball Mounts (TBM's, tongues or lugs) when not being used for any considerable length of time.

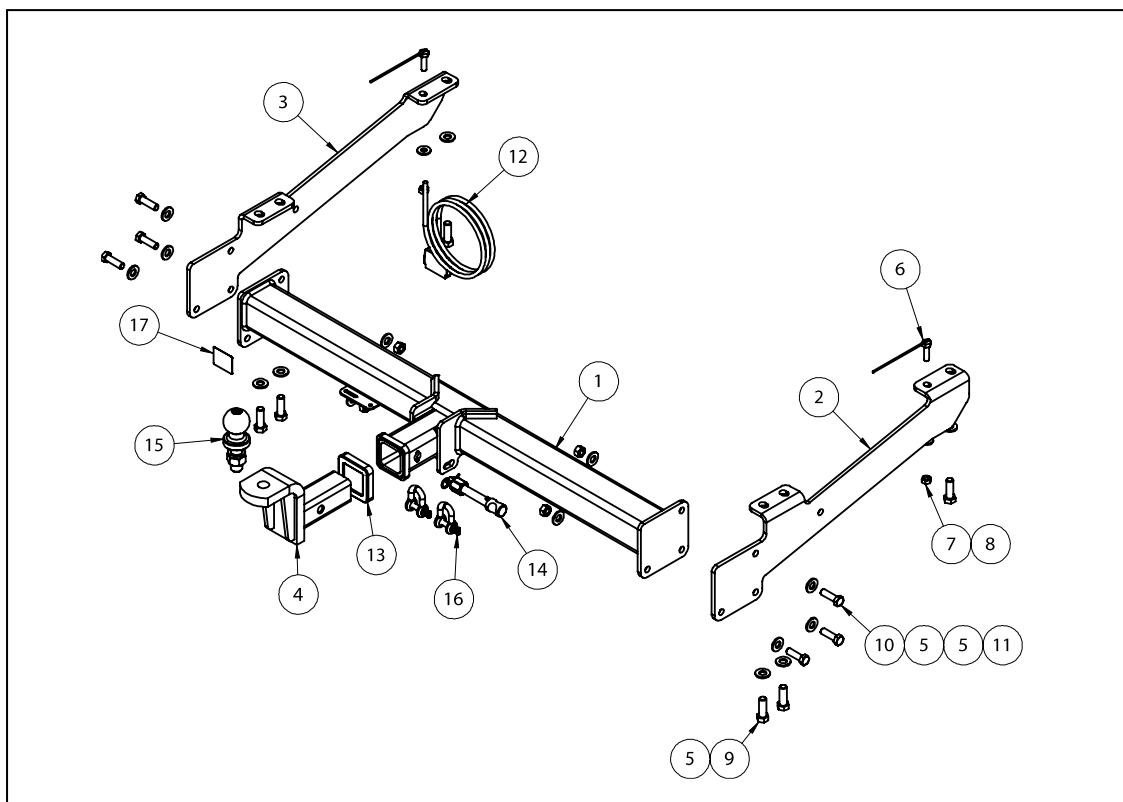
So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

Hitch Pull Pins and spring "R" clips are regularly checked for proper installation. Replace any worn or defective parts.



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| QTY. | DESCRIPTION               | ITEM NO. |
|------|---------------------------|----------|
| 1    | WELDED ASSEMBLY           | 1        |
| 1    | RHS SIDE PLATE            | 2        |
| 1    | LHS SIDE PLATE            | 3        |
| 1    | TBM ASSY                  | 4        |
| 18   | FT WASHER M14x28x3 Z/P    | 5        |
| 2    | WIRE & BOLT M10x35        | 6        |
| 2    | HEX NUT M10x1.5           | 7        |
| 2    | WASHER FT M10x25.4x3      | 8        |
| 6    | BOLT M14-1.5x40 Z/P       | 9        |
| 6    | BOLT M12-1.25x40          | 10       |
| 6    | HEX NUT M12x1.25 PC8      | 11       |
| 1    | WIRING LOOM               | 12       |
| 1    | HITCH BOX COLLAR COVER    | 13       |
| 1    | SILENT HITCH PIN - SILVER | 14       |
| 1    | 50mm TOWBALL              | 15       |
| 2    | 10mm "D" SHACKLE          | 16       |
| 1    | COMPLIANCE PLATE          | 17       |



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**INSTRUCTION:**

1. Loosely secure Side Plate to underside of chassis rail using 3x M14x40 Bolts, complete with 1x Flat Washer per Bolt.  
  
Repeat for opposite side of vehicle.
2. Feed 1x M10x35 Bolt on wire into cutout in chassis rail, and loosely secure Side Plate to underside of chassis rail using 1x Flat Washer and 1x M10 Nut.  
  
Repeat for opposite side of vehicle.
3. Loosely secure Towbar Assembly to Side Plates using 6x M12x40 Bolts (3 per side), complete with 2x Flat Washers and 1x M12 Nut per Bolt.
4. If installing HLP kit, secure HLP bracket to outer face of Side Plate, using Towbar Assembly fasteners.



Wiring Loom Fitting Instructions  
To Suit Mitsubishi Express/Renault Trafic  
Part Number 101398-WL

### Wiring Loom Installation Instructions

Mitsubishi Express/  
Renault Trafic  
Part No: 101389-WL  
ECU Required: 04826  
RPA Disable location -  
Switch next to the RHS driver's air vent  
Driver assistance with a trailer -  
Use tail part number WLT-025

Tail Harness Length Required: 1800mm

Wiring Loom Installation Time: Approx 50 Mins



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Part Number 101398-WL

1. In the Engine Bay, disconnect the vehicle battery negative terminal.
2. Remove the LHS reverse lamp assembly by removing the two screws.
3. Inside the reverse lamp cavity, drill a Ø30mm hole above the reverse lamp harness grommet. Apply rust inhibitor (not supplied) after drilling.
4. Inside the LHS rear of the cargo area, remove the LHS rear pillar trims and the upper LHS corner trim.
5. Secure the trailer patch ground ring terminal to the vehicle grounding point using the existing fastener.
6. Remove a section of tape from the vehicle wiring harness near the LHS tail lamp upper cavity to expose the wires.
7. At the lower tail light cavity, locate the fold in the wiring harness and remove the tape to expose the wires.
8. Route the trailer patch Yellow/Black, Red/Black, Brown/Black, and Orange wires down the LHS rear pillar towards the loose wires.
9. Using a multi-meter, following the table below, connect the ezy-taps to the mating tail light harness wires. Then connect the trailer patch wires to the correct ezy-taps.

| Function            | Trailer Patch | Vehicle Harness |
|---------------------|---------------|-----------------|
| LHS Indicator Light | Yellow/Black  | Grey            |
| Brake Light         | Red/Black     | Grey            |
| Tail Light          | Brown/Black   | Grey or Pink    |

**Note:** The first wire specified is the main colour and the second wire is the trace colour.

**Note:** Multiple wires in the harness have the same colour, use a multi meter to determine the correct wire function.

**Note:** Indicators and Brakes only work when the engine is running.

10. On the vehicle loom, locate the big red wire which was folded up in the loom.
11. Chop the connector off the orange power wire on the trailer patch and strip, crimp and insulate the orange power wire to the large red battery wire.
12. At the bottom of the LHS rear pillar, from the interior of the vehicle, pull out the reverse light harness for easier access and following the table below, connect the ezy-tap to the



Wiring Loom Fitting Instructions  
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Part Number 101398-WL

corresponding vehicle wire (before the grommet), then connect the trailer patch terminal to the ezy-tap.

| Function | Trailer Patch | Vehicle Connector |
|----------|---------------|-------------------|
| Reverse  | Black/White   | Grey              |

**Note: Multiple wires on the connector have the same colours. Use a multi-meter to determine the correct wire function.**

**Note: Indicators and brakes only work when the vehicle is on.**

13. Connect the trailer patch ECU connector to the ECU (P/No: 04826) and then secure the ECU onto the vehicle harness using a cable tie (not supplied).
14. Route the trailer patch across the top of the rear cargo channel, towards the RHS tail light area.
15. Remove the two tail light vents and route the trailer patch down the RHS rear pillar cavity.
16. From the exterior of the vehicle, locate and pull out the RHS tail light harness and from following the table below, connect the ezy-tap to the corresponding vehicle wire colour (before the grommet), then connect the trailer patch terminal to the ezy-tap.

| Function | Trailer Patch | Vehicle Connector |
|----------|---------------|-------------------|
| R.IND    | Green/Black   | Green             |

17. Secure tail harness (tail length 1800mm) to towbar.
18. Route tail harness up through previously drilled 30mm hole behind LHS reverse lamp.
19. Seat grommet in 30mm hole and route to trailer harness blue connector on patch loom.

**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.**

20. Connect the tail harness 8-way connector to the trailer patch mating 8-way connector.
21. For automatic trailer detection, connect the Grey wire on the Tail harness part (number 04944) to the smaller wire folded up in the loom.
22. Connect the Grey/Black wire to the white wire in the tail harness (Vehicle Earth).
23. In the vehicle fuse box, insert the supplied 25A fuse into the blank spot (Fuse slot 10).



Wiring Loom Fitting Instructions  
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Part Number 101398-WL

- 24. Secure all harness using supplied cable ties.
- 25. Test the trailer patch function using a light board or multi-meter.
- 26. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
- 27. The RPA function can be disabled via a switch next to the RHS driver's air vent.
- 28. Place the fitting instructions in the glove box after fitment.



# FITTING INSTRUCTIONS

## Silent Anti-Rattle Hitch Pin (PRO001)

• These fitting instructions are supplied to ensure understanding of how the HITCH PIN should be fitted and used correctly.

• Once installed, we recommend **ALL** instructions are kept and placed in the vehicle glove box.

**NOTE: Routine maintenance and inspection of the towbar & HITCH PIN is required. Regularly inspect for wear and check the tightness of the Hitch Pin. Follow instructions below to retighten the nut when necessary.**

**\*Do not tow with your vehicle if the R CLIP or the HITCH PIN is loose or missing. Replacement parts are available from your Pro Series Distributor.**

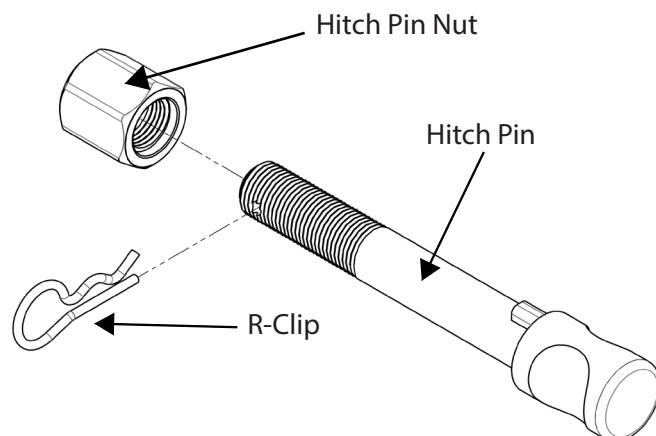


Fig 1. Silent Anti-Rattle Hitch Pin assembly

### STEP 1

Insert Trailer Ball Mount (TBM) into towbar HITCHBOX, aligning hole in TBM SHANK with hole in HITCHBOX (Fig 2).

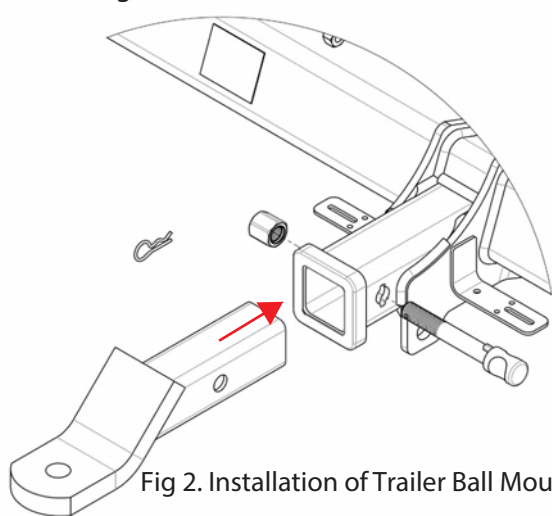


Fig 2. Installation of Trailer Ball Mount

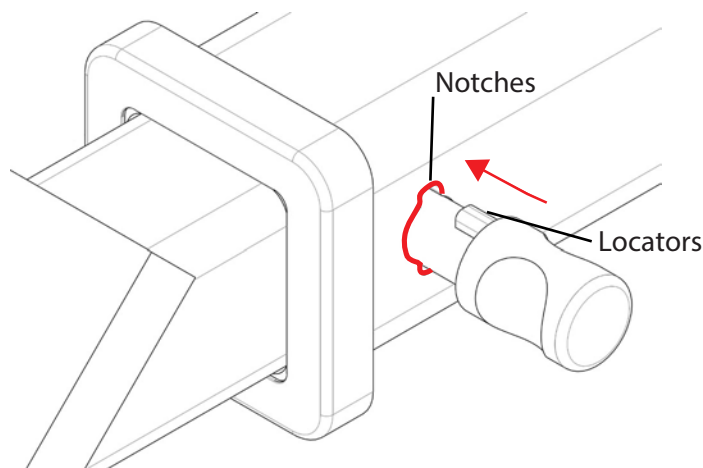


Fig 3. Silent Anti-Rattle Hitch Pin orientation

### STEP 2

Insert HITCH PIN through hole in HITCHBOX and hole in TBM SHANK; ensure the LOCATORS are inserted into the NOTCHES in the HITCHBOX (Fig. 3).

### STEP 3

Screw HITCH PIN NUT onto HITCH PIN; tighten HITCH PIN NUT until finger tight, ensuring TBM is restrained from movement.

### STEP 4

Tighten 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 HITCH PIN R CLIP through the hole on the HITCH PIN (Fig. 1).

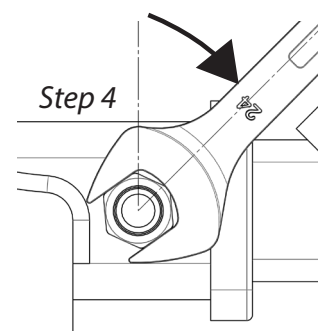


Fig 4. Tightening of Silent Anti-Rattle Hitch Pin Nut