



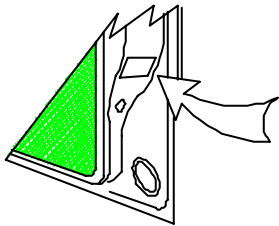
Towbar Fitting Instructions
To Suit RENAULT KOLEOS 09/2008-ON
Part Number QTRE12
Rating 2000/200 kg

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.

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. 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.
7. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
8. 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)**.
9. Trailboss recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
10. **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



Place load rating sticker
inside driver's door here

FOR 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.

FITTING INSTRUCTIONS FOR TOWBAR

KOLEOS

PART NUMBER: QTRE12

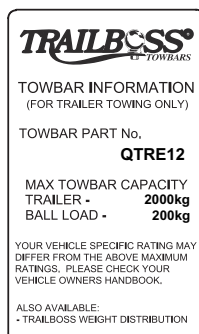
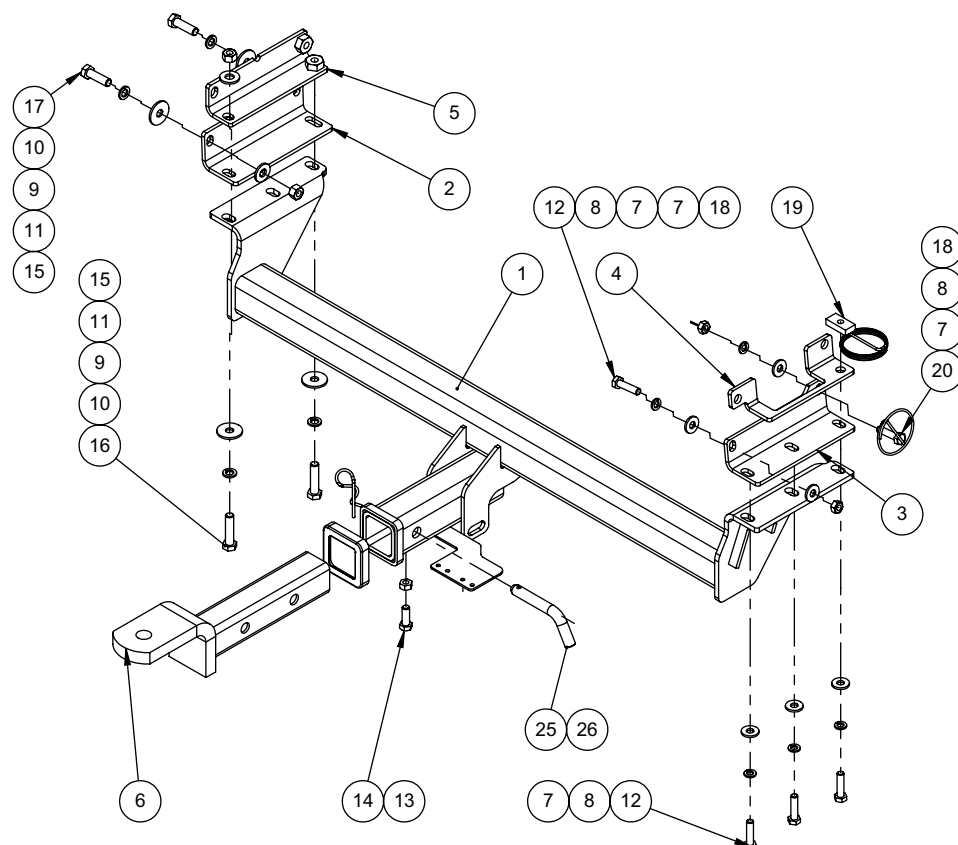
Hayman Reese does not recommend the fitting of load levelling or weight distribution devices.

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

Parts List

ITEM NO.	DESCRIPTION	QTY.
1	WELDED ASSEMBLY	1
2	LHS CHASSIS BRKT	1
3	RHS CHASSIS BRKTS	1
4	RHS CHASSIS INSERT	1
5	Pass Chassis Insert ref JC535	1
6	CLASS 4 TBM	1
7	WSHR FT M10 X 25.4 X 3	6
8	M10 X 3.5 X 2.2 SPRING WSHR	5
9	WASHER FLAT M12x 37 x 3	4
10	M12 X 4.0 X 2.5 SPRING WASHER	4
11	Washer M12x28.8x3	2
12	Bolt M10x1.25x40 GR10.9	4
13	NUT M10 x 1.5 Z/P HX NUTS	1
14	M10 x 30 1.5P BOLT	1
15	M12-1.75 Z/P HX NUTS	2
16	Bolt M12	2
17	BOLT M12-1.75x40 GR8.8	2
18	Nut hx M10-1.25 z/p	2
19	LOOSE TAPPED PLATE & WIRE	1
20	BOLT WIRE M10(35)x300 ECOAT	1
21	FITTING INSTRUCTIONS	1
24	HITCH BOX COLLAR COVER	1
25	PULL PIN	1
26	SPRING COTTER PIN	1
28	LRL RENAULT KOLEOS (TB) TOWBAR	1

Figure 1: Layout Diagram



ITEM 28
LOAD RATING LABEL

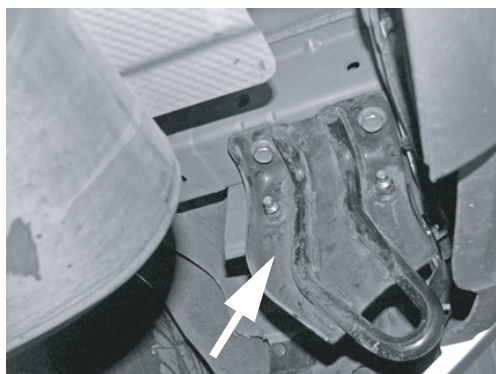


Figure 2: Remove and discard tow-hook.

Note: Refer to Workshop manuals before removing any vehicle components.

1. Remove rear bumper along with all electrical connections (PDC sensors & stop light mounted on bumper).
2. Remove tow-hook from the RHS chassis rail and discard.



Figure 3: Remove rear impact beam.

3. Remove 3 nuts from each side to remove rear impact beam.

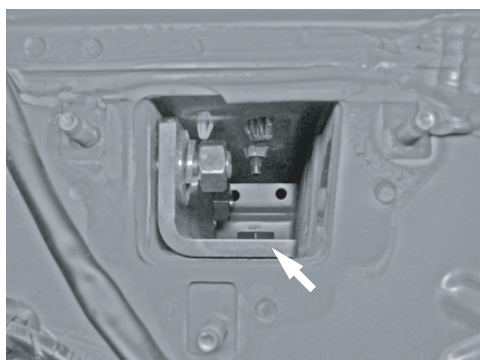


Figure 4: Insert LHS chassis insert.

4. Insert LHS Chassis Insert in to the LHS chassis rail and align with holes in the chassis rail. Refer to figure 4.
5. Loosely fit the LHS Chassis Bracket from the outside of the chassis rail. Secure to the LHS Chassis Insert via the vertical mounting points. Use M12 x40 bolt, M12 spring washer and M12 flat washer on the forward most hole and M12 x 40 bolt, M12 spring washer and M12 flat washer on the outside of the chassis rail and M12 flat washer and M12 nut on the inside for the rear most hole. Refer to figure 1 in Page 1 for layout.

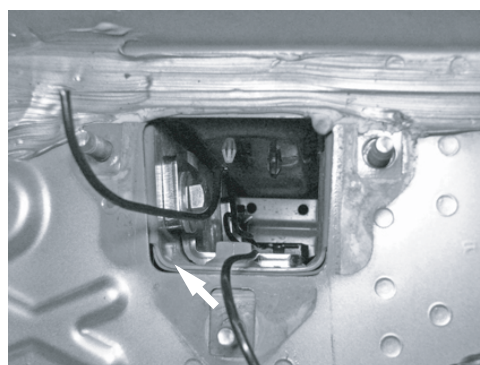


Figure 5: Insert RHS Chassis Insert.

6. Insert RHS Chassis Insert in to the RHS chassis rail.
7. Uncoil wire of bolt with wire and feed it through the forward most vertical mounting hole of the RHS Chassis Insert.
8. Loosely secure RHS Chassis Bracket on to the bolt with wire using M10 flat washer, M10 spring washer and M10 nut. Use M10 bolt, M10 spring washer and M10 flat washer from the outside and M10 flat washer and M10 nut from the inside of the chassis for the rear most hole. Refer to figure 1 in Page 1 for the layout.



Figure 6: Attach LHS to mounting brackets.

Note: Two person task. Seek assistance.

9. Lift welded assembly to vehicle, line up with holes on chassis brackets on both sides.
10. Loosely secure LHS mounting points with M12 bolt, M12 spring washer and M12 flat washer on the forward mounting point. Use M12 bolt, M12 spring washer and M12 flat washer from the outside of chassis rail and M12 flat washer and M12 nut from the inside for the rearmost mounting hole. Refer to figure 6.

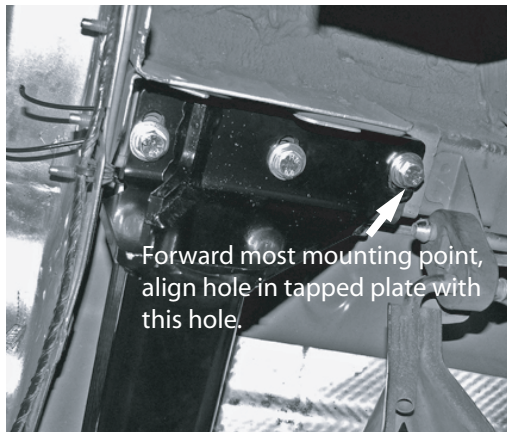


Figure 7: Attach RHS to mounting brackets.

11. Loosely secure RHS of welded assembly with M10 bolt, M10 spring washer and M10 flat washer via the rearmost and middle mounting points.
12. Uncoil the wire on loose tapped plate with wire and insert it in the RHS chassis rail. Ensure hole of tapped plate is in line with forward most mounting point of welded assembly. Loosely secure with M10 bolt, M10 spring washer and M10 flat washer.

Bolt	Torque (Nm)
M10 - 1.25p (items 13 & 28)	51.3
M10 - 1.5p (item 15)	49
M12 - 1.75p (items 17 & 18)	85.7

Figure 8: Torque specifications.

13. Check if towbar is square to vehicle and adjust as necessary.
14. Tighten bolts to the recommended torque.

15. Refit rear impact beam with original nuts.
16. Using bumper cutout templates provided, cut rear bumper with utility knife.
17. File cutout area smooth.
18. Refit rear bumper to vehicle.

Note: Ensure all electrical plugs are re-connected to bumper.

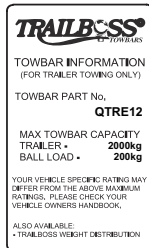
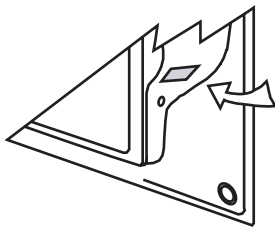


Figure 9: Attach Load Rating Label.

19. Attach load rating label on the driver's door.

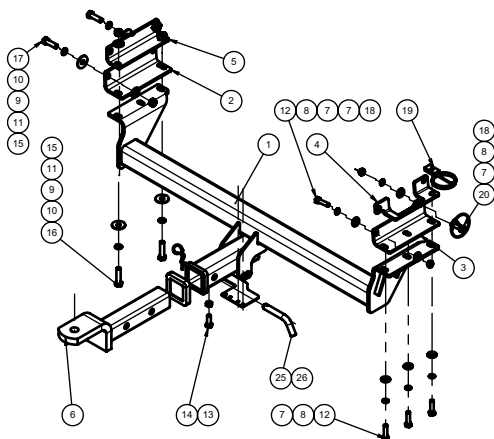


Figure 10.

20. Attach the collar cover on to the hitch box.

21. Attach TBM to towbar using Pull Pin and R Clip.

22. Fit anti-rattle bolt and nut and finger tighten to prevent rattle on TBM.

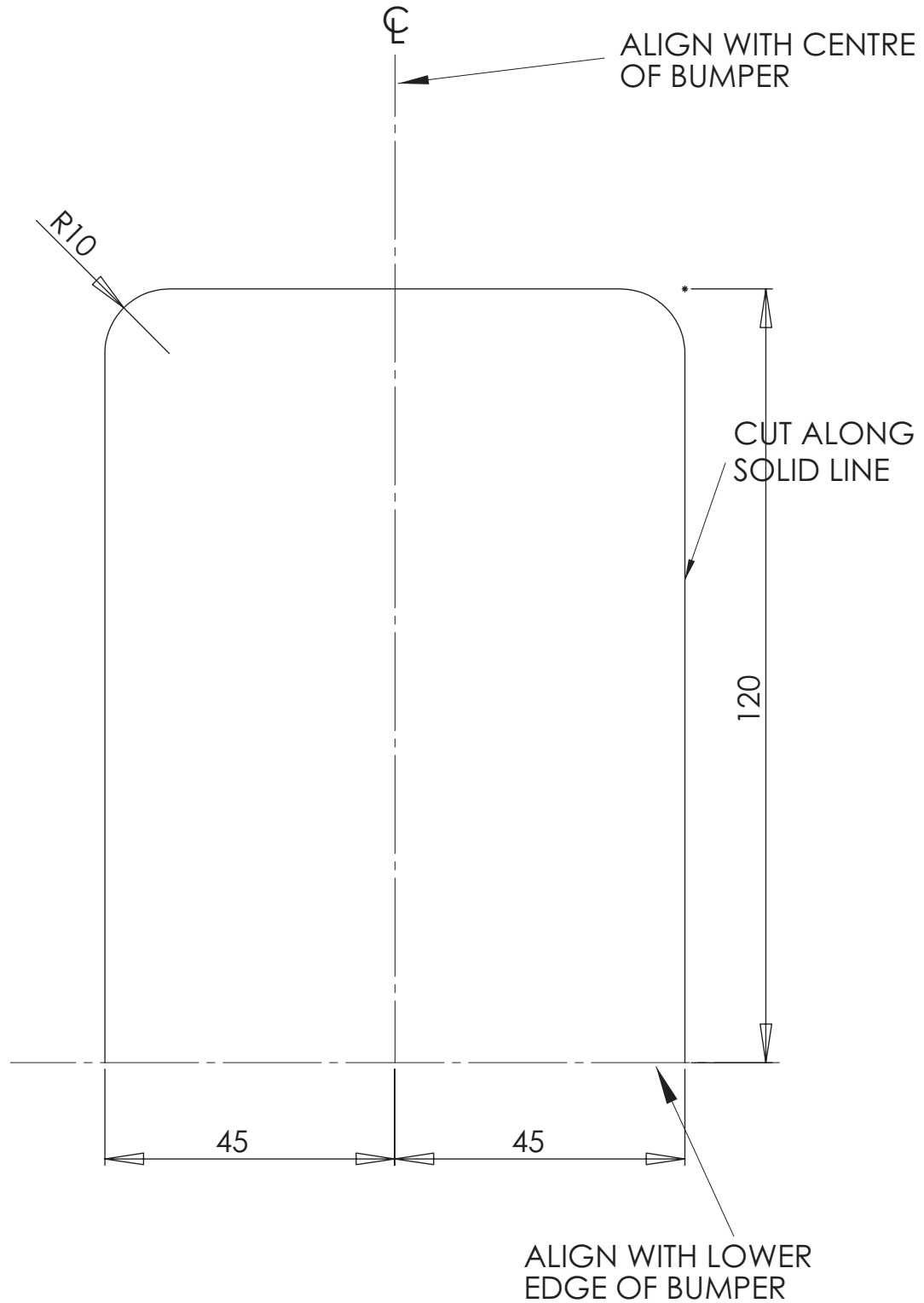


IMPORTANT INFORMATION

The Towbar is to be used solely for the purpose of towing. Other uses may damage the Towbar and/or vehicle. The TBM is to be removed after towing.

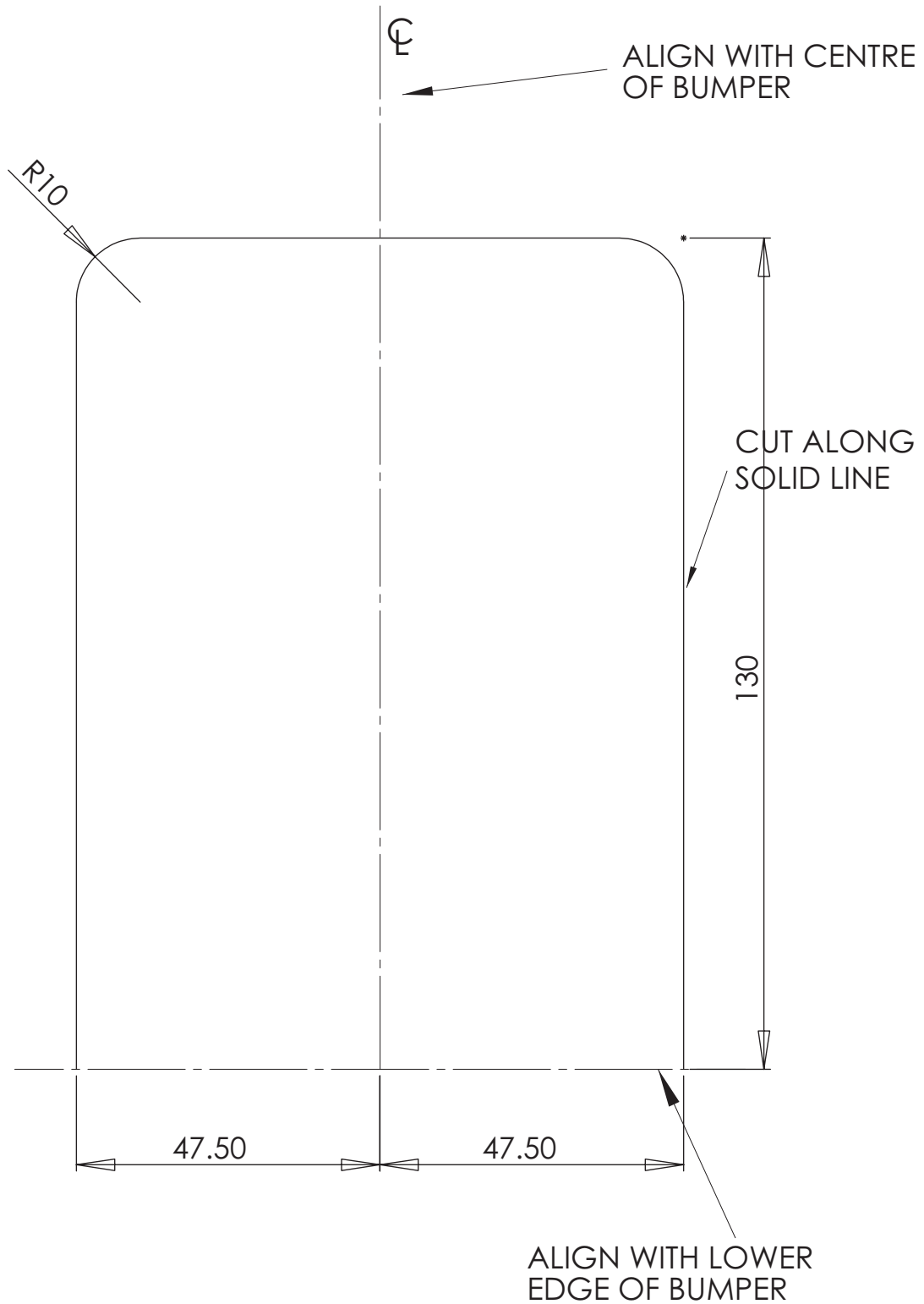
When not towing, ensure the TBM is securely stored in a closed compartment within the vehicle. Injury may occur if the TBM moves about within the vehicle.

ENSURE ALL DIMENSIONS ARE TO SCALE BEFORE COMMENCING



Bumper cutout template for standard rear bumper.

ENSURE ALL DIMENSIONS ARE TO SCALE BEFORE COMMENCING



Bumper cutout template for accessory skirt.



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.**

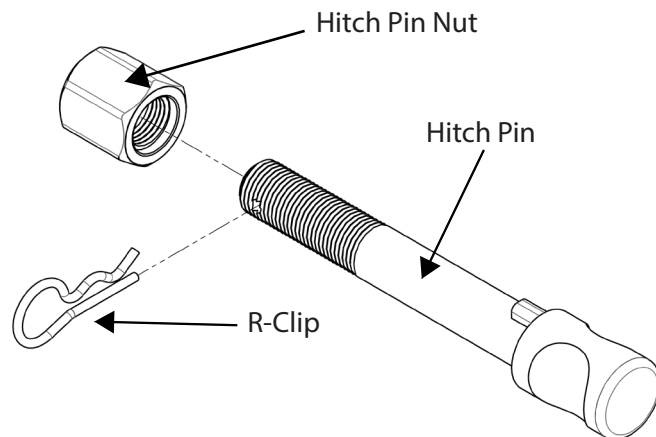


Fig 1. Silent Anti-Rattle Hitch Pin assembly

STEP 1

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

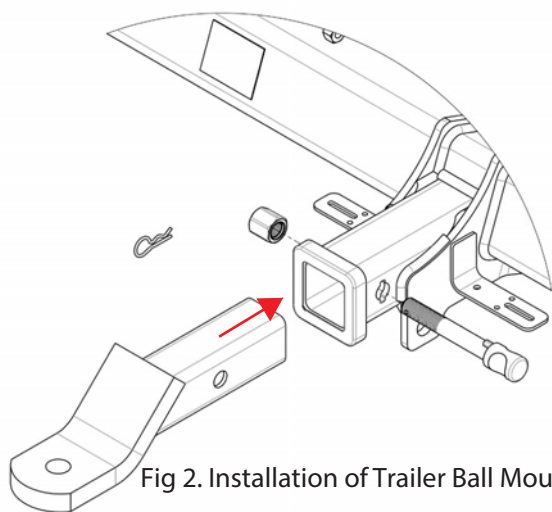


Fig 2. Installation of Trailer Ball Mount

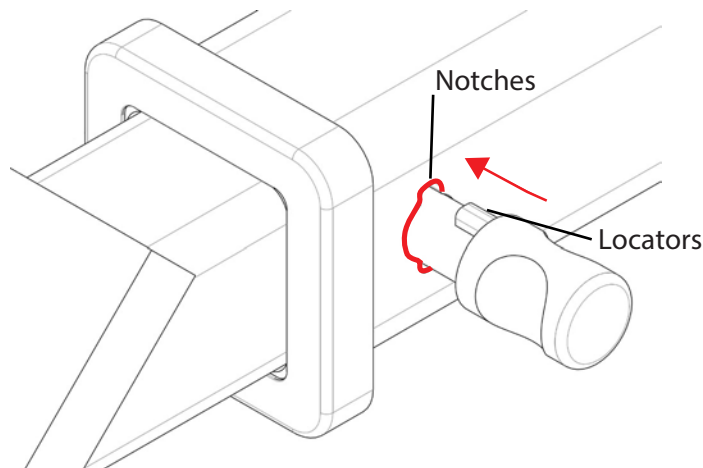


Fig 3. Silent Anti-Rattle Hitch Pin orientation

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).

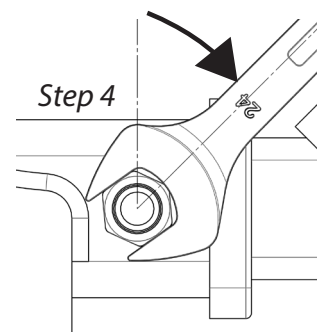


Fig 4. Tightening of Silent Anti-Rattle Hitch Pin Nut