

TRAILBOSS

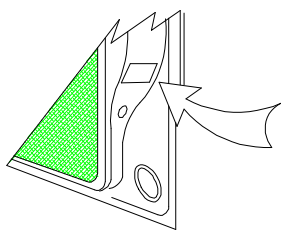
Tow bar Fitting Instructions To Suit Toyota Land Cruiser 70 Series Gxl 4 Door Wagon & Workmate 03-07-on Part Number QT862 Rating 3500 kg Max Static Ball Load 350Kg

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
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

<u>Diameter</u>	<u>Grade 8.8 Bolt</u>
M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3 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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11. Remove rear aluminum step via

- a. 4 x M10 bolts. From underneath rear of vehicle see fig1.
- b. Retain bolts for re- fitment of aluminum step after fitment of tow bar.
- c. Cut out section of aluminum step as per detail in fig 2.
- d.

Remove 4 bolts to lower factory step for fitment of tow bar.



Fig 1

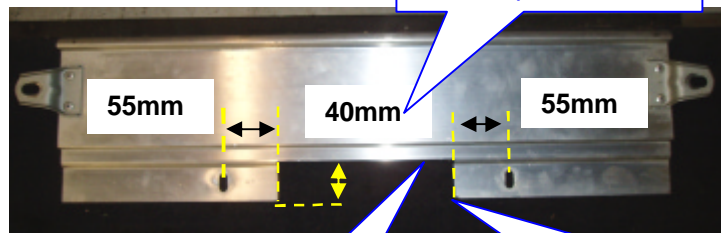


Fig 2

Measure 55mm from centre of each slot then mark with suitable pen

Area of step to be cut away

Measure 40 mm from edge of plate then mark with suitable pen

12. Removal of retaining bolts via

- a. Remove & discard 6 x M 10 retaining bolts that hold bumper irons the chassis rails see fig 3.

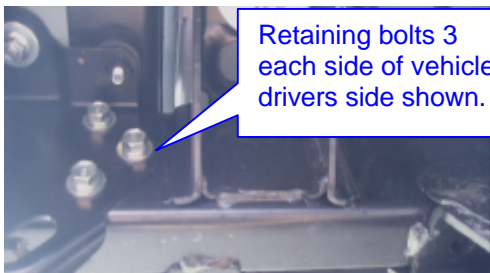


Fig 3

Retaining bolts 3 each side of vehicle drivers side shown.

Fit loose angle bracket with M10 bolts flat & spring washer's provided.

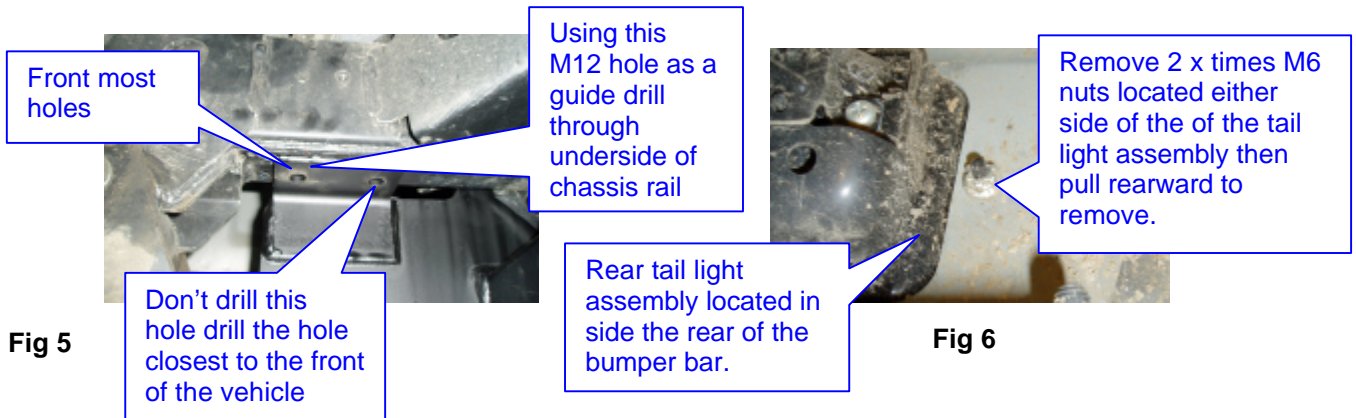


Fig 4

13. Fit loose angle iron via

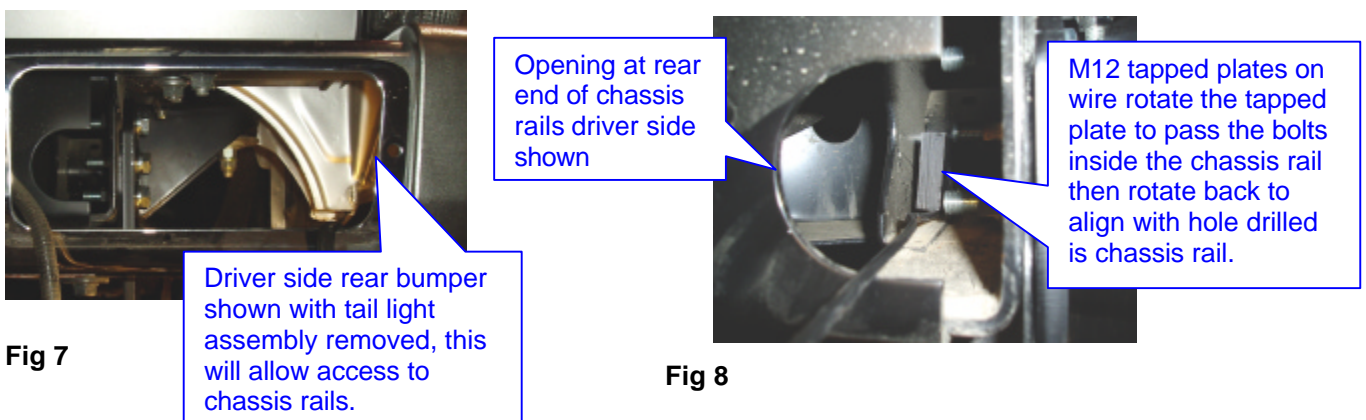
- a. Fit loose angle irons with 2 x M10 x 1.25 pitch bolts to underside of rear horizontal chassis member see fig 4 fasten loosely.
- b. Offer tow bar to vehicle so that holes in the side arms align with captive nuts on the side of the chassis rails that retaining bolts where fitted to see fig 4.
- c. Fit 6 M 10 x 45 bolts flat & spring washers provided loosely.
- d. Fasten centre angle iron section together as detailed in assembly diagram loosely once all fasteners are fitted tighten to torque listing on page number 1.
- e. Using the M12 hole of the angle irons welded to each side plate as a guide as drill up through the bottom face of the chassis rails on each side of the vehicle see fig 5.
- f. Remove rear tail lights from outside bumper bar to allow easy access to inside chassis rails see fig 6 & 7.

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14. Fit loose tapped plates

- Fit loose tapped plates on wire up the inside of chassis rails from out side the rear bumper bar see fig 7 & 8.
- Align the tapped plate with the M12 hole drilled then fit M12 x 45 x 1.25 pitch bolt flat & spring washers provided then fasten to torque listing.
- Repeat process fro passenger side.
- Trim excess wire from tapped plates so the wire does not petrude past the end of the chassis rail.
- Refit the rear tail light assemblies.
- Refit the rear aluminum step via 4 x 10 bolts see fig1



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