

TRAILBOSS

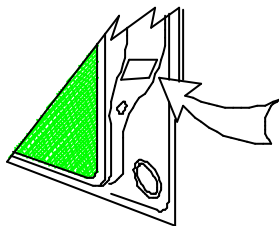
Tow bar Fitting Instructions To Suit Mazda CX7 & Luxury ER 4 DR Wagon Turbo 11-06-on Part Number QTMA437 Rating 1600 kg Max Static Ball Load 85 Kg

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
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 tbm 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	77.3 Nm
M16	154.6 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.

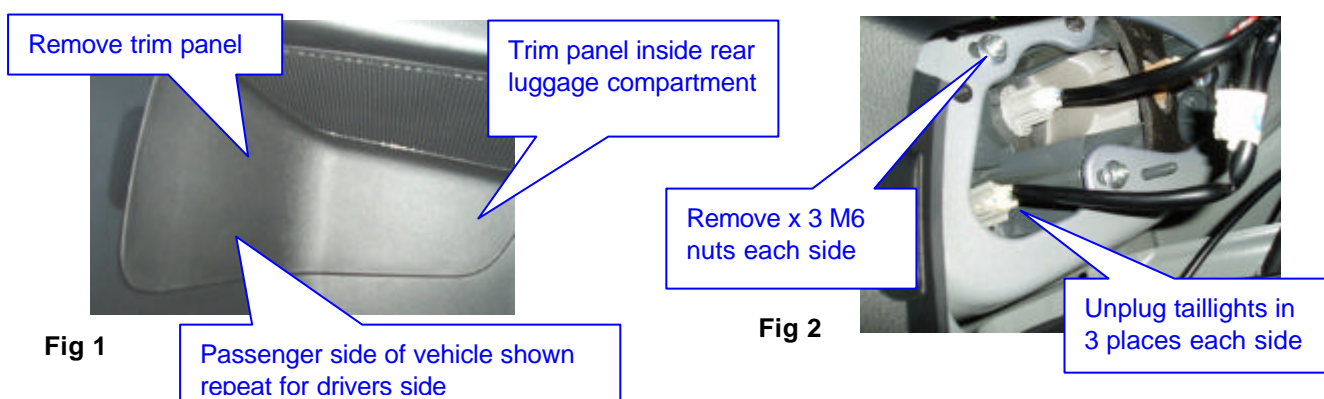
So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

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

Tow bar Fitting Instructions
To Suit Mazda CX7 & Luxury ER 4 DR Wagon Turbo 11-06-on
Part Number QTMA437
Rating 1600 kg Max Static Ball Load 85 Kg

11. Remove rear tail lights via

- Pull the trim then remove trim each side to expose inner tail light cavities so that access can be gained to remove 3 x M6 nuts each side see figs 1 & 2.
- Unplug tail lights in 3 places each side.
- Pull lights rearward some force may be required to remove store in a safe location



12. Remove rear bumper bar skin via

- Remove 4 plastic trim buttons from the top of bumper inside the tail light cavity 2 each side see fig 3.
- Remove 4x M 5 screws inside wheel arch 1 at the top of the wheel in the vertical plane each side of the wheel arch see fig 4.
- Remove 2 x M5 screws 1 each side from the under side of the wheel arch see fig 5.
- Remove mudguards each side & store in a safe location.
- Remove 2 x plastic trim buttons from underneath the bumper bar see fig 6.
- Flex bumper out at the sides then pull rearward to remove some force may be required then store bumper in a safe location **CAUTION two person lift required.**

Fig 3



Remove 2 x plastic trim plugs from each side

Fig 4



Remove 4 x M 5 screws from inside each wheel arch

Fig 5



Remove 2 x M5 screws from underside of wheel arch

Fig 6

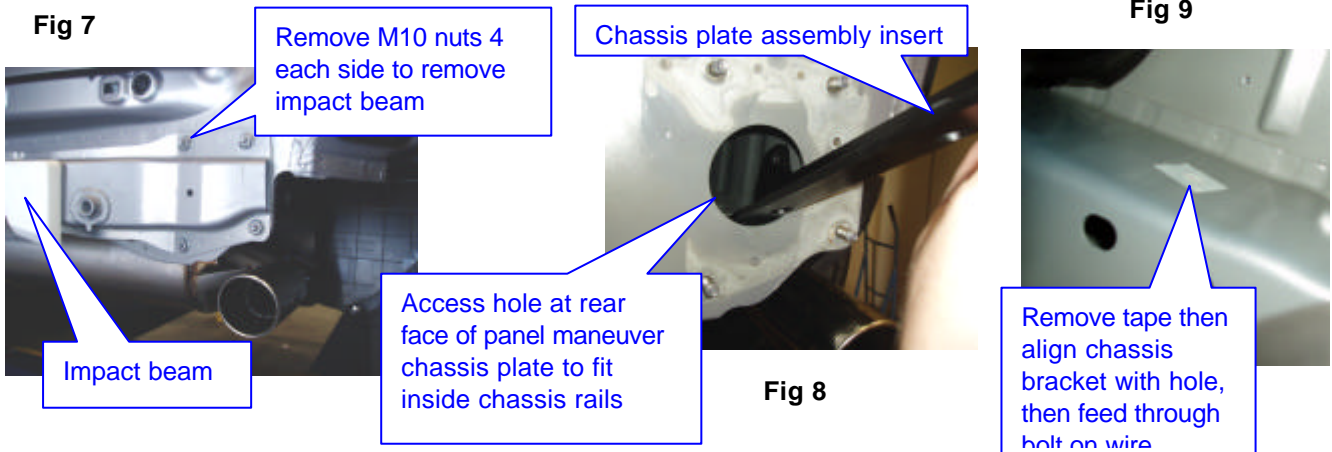


Remove 2 x plastic trim plugs from underside of bumper.

Tow bar Fitting Instructions
To Suit Mazda CX7 & Luxury ER 4 DR Wagon Turbo 11-06-on
Part Number QTMA437
Rating 1600 kg Max Static Ball Load 85 Kg

13. Remove rear impact beam & fitment of chassis plates via

- a. Remove four M10 nuts from each side of rear impact beam see fig 7.
- b. Remove the impact beam pulling reward some force may be required.
- c. Retain the impact beam & M10 nuts so that the impact beam can re-install after tow bar fitment.
- d. Insert the chassis plates assemblies inside the access hole at the rear face of panel one each side of the vehicle see fig 8.
- e. Once chassis plates are inserted inside the chassis rails align the M11 hole up with the forward most existing hole on the outer side of the chassis see fig 9.
- f. Then feed in M10 bolts on wire up through the end of chassis to align with holes in chassis plates & existing holes trim excess wire from bolts on so not to petruce past end of chassis.
- g. Then fasten loosely with flat & spring washers and nuts supplied see diagram on the last page for correct orientation of components & hard ware.



14. Fitment of tow bar via

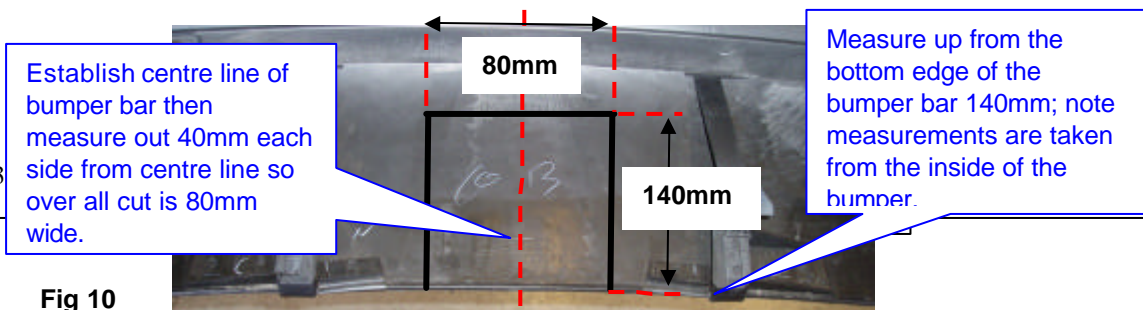
- a. The rear muffler can be lowered to aid fitment of the tow bar but is not entirely necessary.
- b. Dismantle the chassis brackets from the tow bar & discard the M10 x 40 bolt & nut for shipping purposes see diagram below.
- c. Offer the tow bar to the underside of the chassis so that the holes in the side plates align with captive nuts in the chassis plates.
- d. Fasten loosely with M12 bolts, flat & spring washers supplied see diagram for correct hard ware orientation.
- e. Once all hardware is fitted tighten all fasteners to torque listing.

15. Re-install the impact beam

- a. Fit the impact beam & M10 nuts in the reverse of steps 13b to 13a.
- b. Re fit the rear muffler if lowered.
- c. Mark the bumper out as shown in fig 10 then cut out section as shown in bumper cut detail.

16. Bumper cut detail

- a. Establish centre line of bumper bar then mark out as detailed in fig 10
- b. Cut section of bumper with modified hacksaw or similar device.



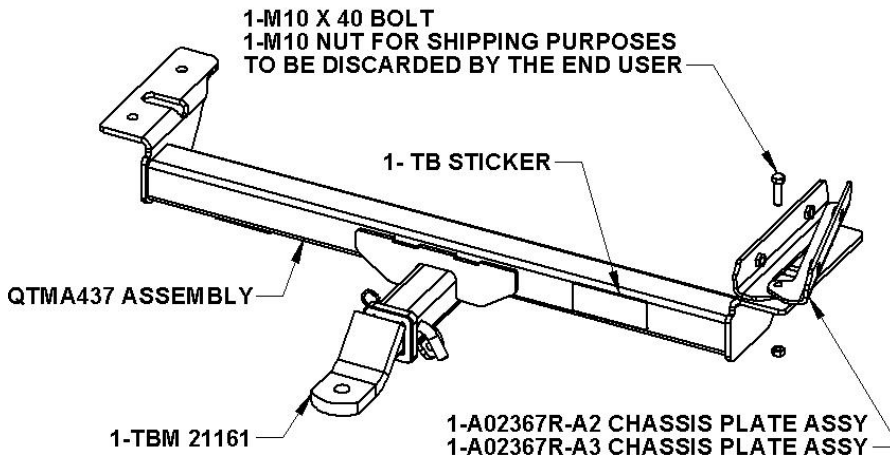
TRAILBOSS

Tow bar Fitting Instructions To Suit Mazda CX7 & Luxury ER 4 DR Wagon Turbo 11-06-on Part Number QTMA437 Rating 1600 kg Max Static Ball Load 85 Kg

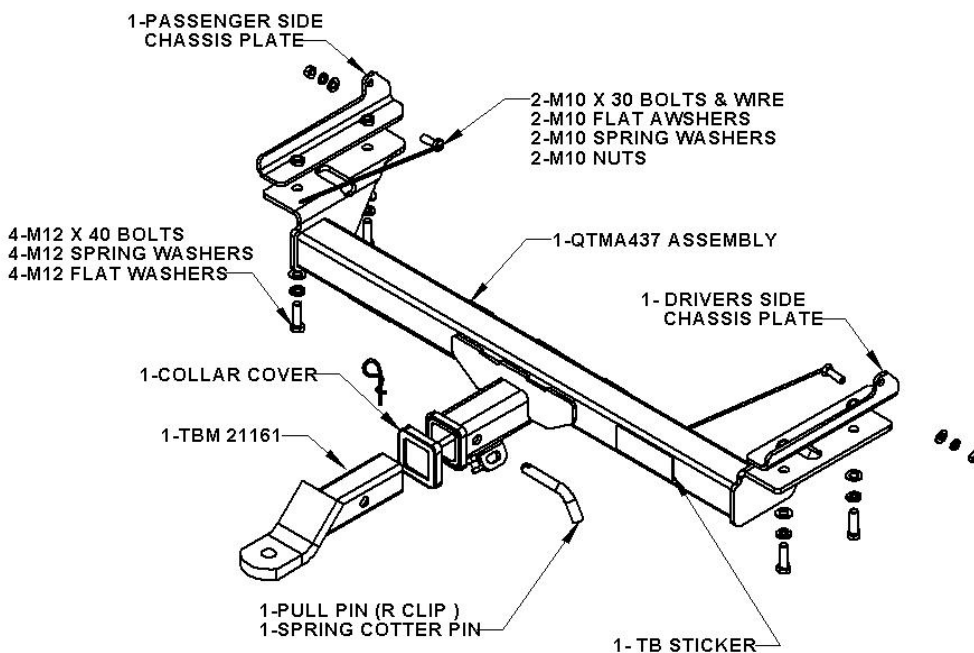
17. Re-install the bumper bar via

- a. **CAUTION two person lift required**
- b. Re fit the bumper bar in the reverse of steps 12f through to 12 a.
- c. Re fit the rear tail lights in the reverse of steps 11c through to 11 a.

QTMA437 AS SHIPPED FROM WAREHOUSE



QTMA437 COMPLETE ASSEMBLY



Issue Date 23-04-07