



Towbar Fitting Instructions
To Suit MAZDA 6 (SEDAN & HATCH) 03/2010-On
Part Number QTMA654L

Rating 1500 kg

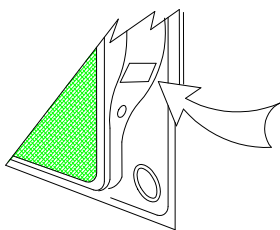
**ENSURE INSTRUCTIONS ARE UNDERSTOOD BEFORE INSTALLATION.
PLACE THESE INSTRUCTIONS IN THE VEHICLES GLOVEBOX AFTER INSTALLATIONS COMPLETE**

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 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	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, 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 bumper bar

- Remove 3 screws inside and 1 under rear mid guard on both sides, refer figure 1.
- Remove 2 screws under the mud guard on both sides.
- Remove 2 plastic trim plugs under the bumper bar
- Remove taillight assembly by removing 3 nuts from inside vehicle refer figure 2.
- Remove 2 screws on top of the bumper, refer figure 3.
- Remove 2 screws inside tailgate cavity (wagon only).
- Disconnect any wiring attached to bumper bar before remove rear bumper.

12. Remove impact beam

- Remove four M10 nuts from each side of rear impact beam, refer figure 4.
- Remove muffler hanger on both side, refer figure 4.
- Remove the impact beam and discard the rear impact beam.

13. Fitment the towbar via

- Position towbar against rear studs and secure with 6 M10x1.25 nuts supplied refer figure 4.
- Use M10x40 bolt, flat washer, tow hook plate, and M10x1.25 nuts provided to secure the tow hook mount refer figure 5.
- Torque all bolts and nuts to recommended torque refer page1.
- Reinstall muffler hanger on both side.

14. Bumper cut detail

- Establish centre line of bumper bar then mark out as detailed in figure 6
- Cut section of bumper with modified hacksaw or similar device.
- For SEDAN/HATCH cut at increments of 20mm until bumper clears over towbar. Refer Fig 6.
- Reinstall the bumper in reverse order.



Fig. 1



Fig. 2

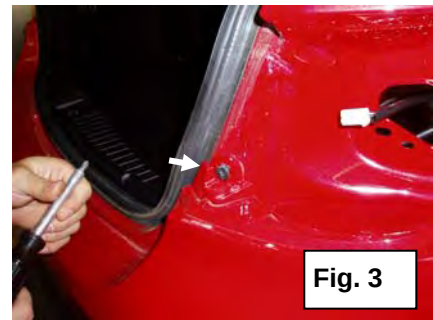


Fig. 3

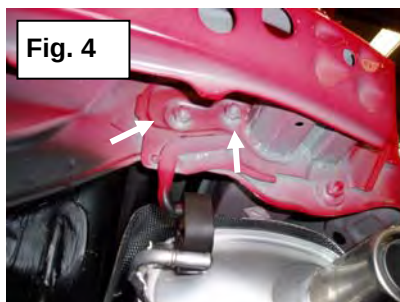


Fig. 4



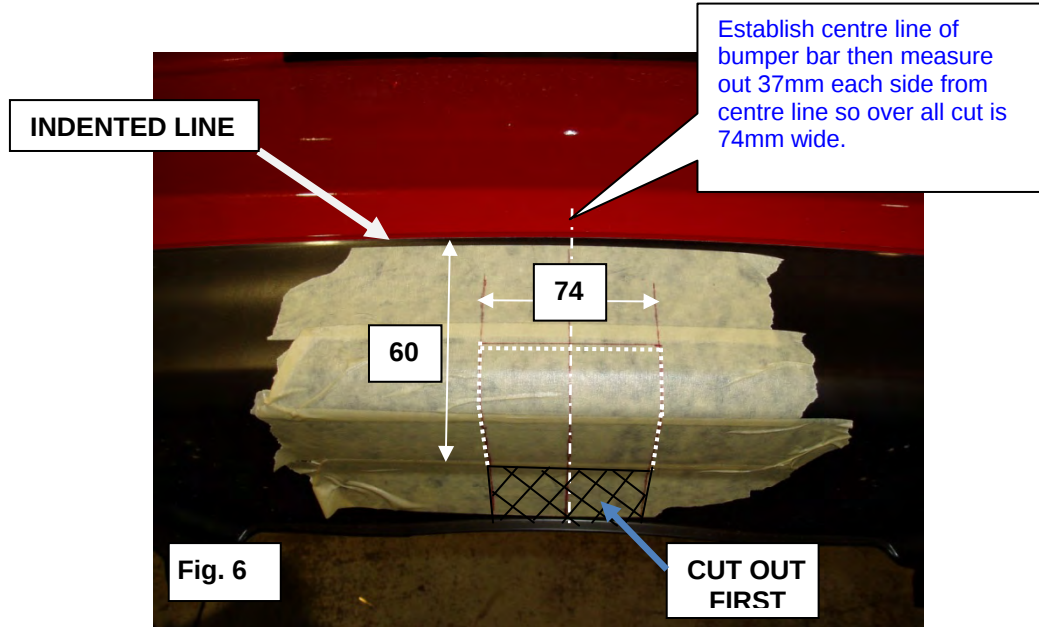
Fig. 5

TRAILBOSS

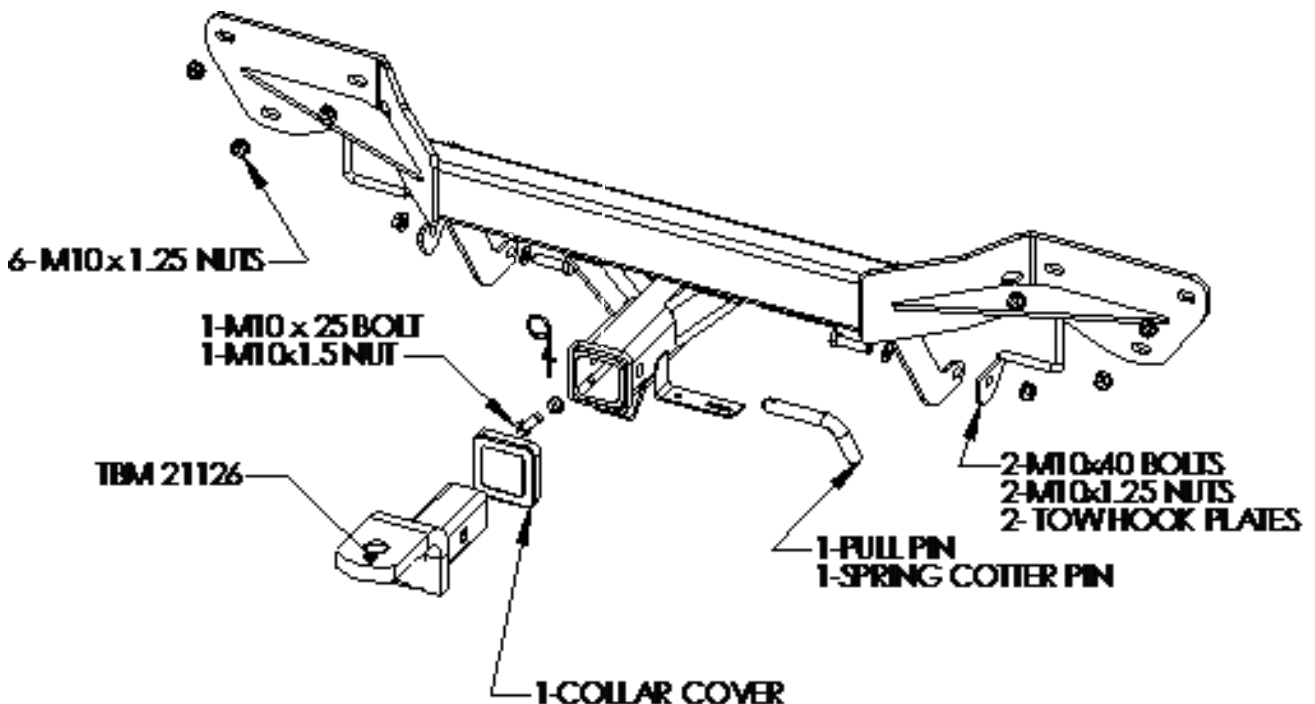
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NOTE: DUE TO VARIATION IN BUMPERS
MEASURE AND CUT OUT AT 60mm DISTANCE FROM INDENTED LINE ON BUMPER, AS PER
DIAGRAM - FIG 6. *CHECK BUMPER FOR FITMENT* IF REQUIRED, CONTINUE TO CUT OUT
AT 20mm INCREMENTS, UNTIL BUMPER CLEARS TOWBAR





Wiring Loom Fitting Instructions
To Suit Mazda GH12 Sedan/Hatch
Part Number 100350-WL

Wiring Loom Installation Instructions

Mazda 6 GH12
Sedan / Hatch
Part No: 100350-WL

Tail Harness Length Required: 1200mm
RPA Override Switch Part No: 04848 (If Fitted)

Wiring Loom Installation Time: Approx 40 Mins



Wiring Loom Fitting Instructions
To Suit Mazda GH12 Sedan/Hatch
Part Number 100350-WL

1. Remove the bumper fascia by removing all of its fasteners.
2. At the rear of the vehicle luggage compartment remove the rear sunshade (hatch only) and the floor carpet. Fold down the rear seats.
3. Remove the luggage compartment rear trim.
4. Remove the LHS luggage compartment upper trim by removing its fasteners. Remove the LHS luggage compartment trim by removing its fasteners.
5. At the rear of the vehicle, remove the rear grommet. Drill out the grommet hole to Ø31mm. File down any rough or sharp edges and spray on rust inhibitor.
6. Mount the tail harness (tail length 1200mm) to the towbar mounting bracket using M4 fasteners (not supplied)
7. Route the tail harness connector into the grommet hole. Adjust the tail harness grommet into place ensuring it is seated correctly. Secure the tail harness grommet into place using a cable tie (not supplied)
8. Disconnect the luggage compartment LHS tail light assembly connectors. Connect the trailer patch harness connectors in between.
9. Route the trailer patch harness terminal black wire towards the connector located above the LHS seatbelt mechanism.
10. Secure the supplied ezy tap onto the vehicle connector BLACK/BLUE reverse wire.
11. Connect the trailer harness patch wire terminal onto the supplied ezy tap.
12. Secure the ground ring terminal onto the vehicle using the existing bolt located close to the LHS seatbelt mechanism.
13. Route the trailer patch harness across to the RHS of the vehicle.
14. Connect the trailer patch harness 8-way connector to the tail harness 8-way mating connector.
15. On the RHS of the vehicle, disconnect the vehicle 2-way and 3-way taillight assembly connectors and patch the trailer patch harness 2-way and 3-way connectors in between.
16. Test the Trailer socket using a light board or multi-meter.
17. Secure the all harnesses using cables ties (not supplied).
18. Refit all removed parts and secure all fasteners.
19. Place instructions in 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.**

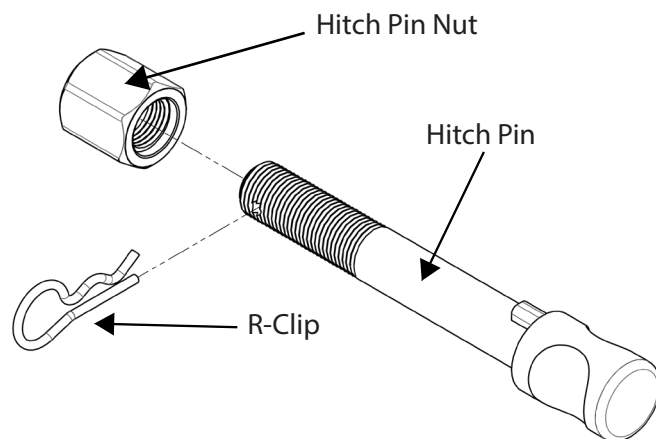


Fig 1. Silent Anti-Rattle Hitch Pin assembly

STEP 1

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

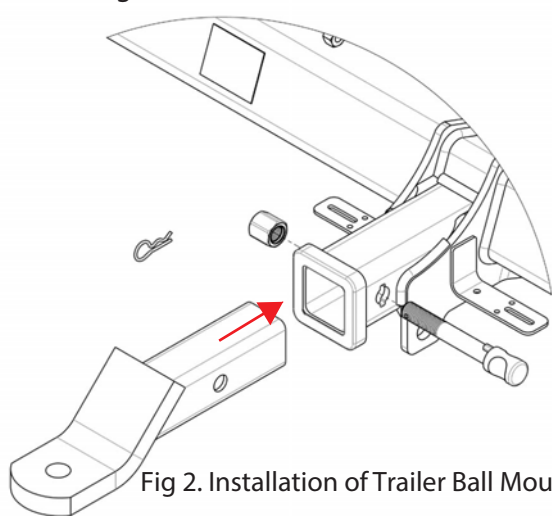


Fig 2. Installation of Trailer Ball Mount

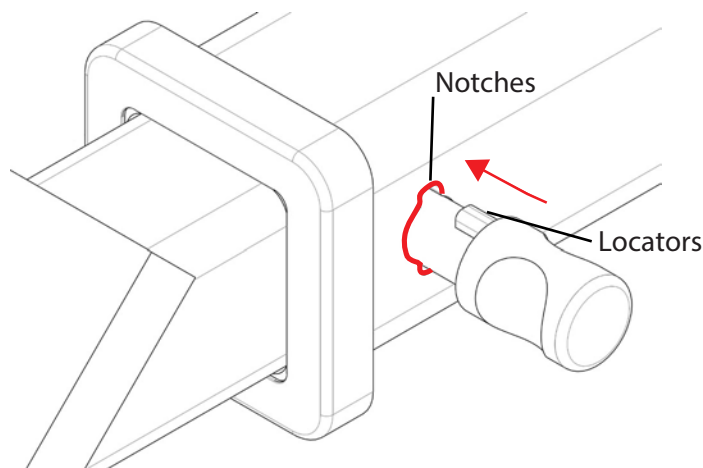


Fig 3. Silent Anti-Rattle Hitch Pin orientation

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).

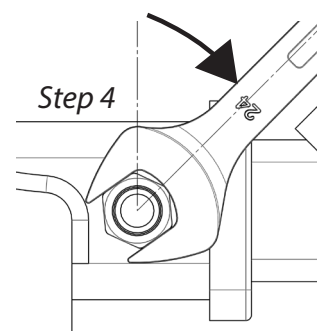


Fig 4. Tightening of Silent Anti-Rattle Hitch Pin Nut