

Fitting Instructions



SKU

PRODUCT

T4G839

TAG Heavy Duty Towbar for GWM Cannon L (01/2021 - On)



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instructions

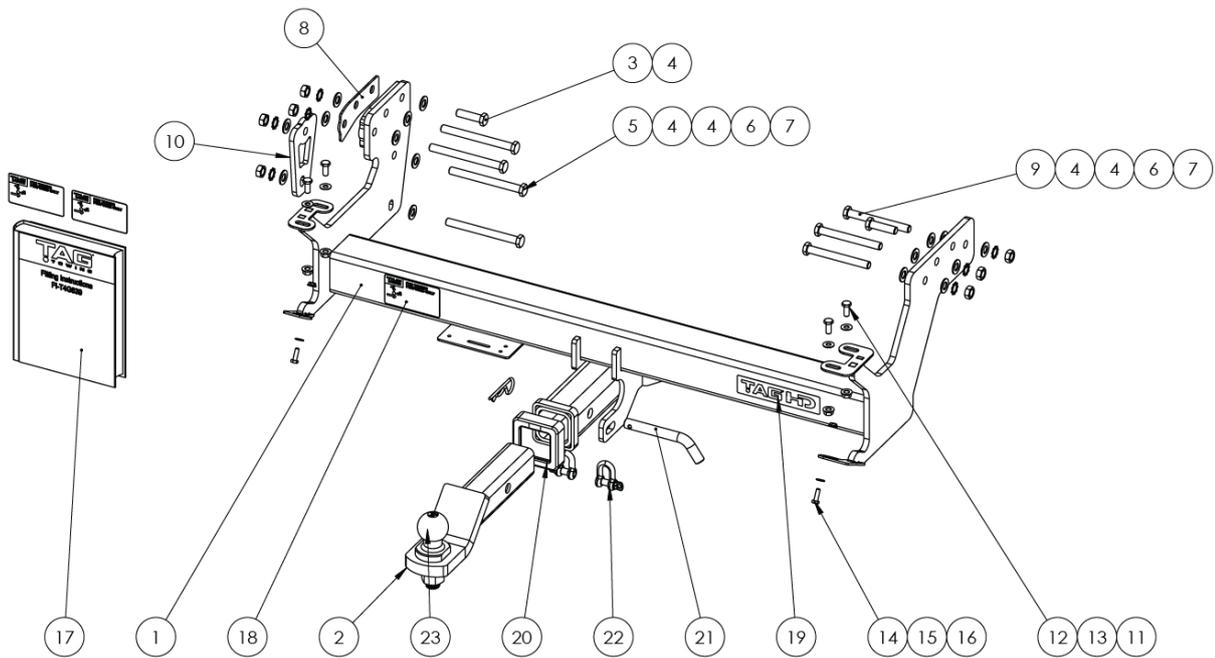
SPECIFICATIONS

- Towbar Class: Heavy Duty
- Towing Capacity: 3000kg
- Max Ball Load: 300kg

IN THIS GUIDE

- Fitment Instructions
- Torque Settings
- Warranty Info

Parts Included



| Item No. | Description | QTY. | Item No. | Description | QTY. |
|----------|--------------------------------|------|----------|---|------|
| 1 | Welded Bar Assembly for T4G839 | 1 | 13 | M8 Flat Washer | 4 |
| 2 | L4045 POWDER COATED TBM | 1 | 14 | M6x1x20 Bolt | 2 |
| 3 | M12x 1.25x 45 Bolt | 2 | 15 | M6 Flat Washer | 2 |
| 4 | M12 Flat Washer | 16 | 16 | M6x 1.0 Hex Flange Nut | 2 |
| 5 | M12x 1.5x 130 Bolt | 4 | 17 | Fitting Instruction | 1 |
| 6 | M12 Shakeproof Washer | 7 | 18 | TAG Compliance Sticker | 3 |
| 7 | M12x 1.5 Nut | 7 | 19 | TAG HD Sticker 150 x 33mm | 1 |
| 8 | Upper Spacer - PS | 1 | 20 | Cover Hitch Receiver Collar TAG | 1 |
| 9 | M12x 1.5x 110 Bolt | 3 | 21 | Class 4 Pin & Clip | 1 |
| 10 | End Plate Doubler - Lower PS | 2 | 22 | D-Shackle - 10mm. 1000kg, Carbon Steel | 2 |
| 11 | M8 Flange Nut | 4 | 24 | End Plate Doubler - Upper PS | 1 |
| 12 | M8x 1.25x 20 Bolt | 4 | 23 | 50mm TAG Tow Ball with Flat edge - Chrome (TAG Printed Box) | 1 |

Tools Required

- Spanners
- Screwdriver
- Sockets
- Torque wrench

Important Information

Warning:

- This product is for towing purposes only and must only be loaded as shown in your vehicle Owner's Manual.
- This towbar is NOT to be drilled, cut, welded, or modified in any way.
- Check behind chassis rail and body panels before drilling to ensure no hazards are present
- All load ratings shown are under the assumption your trailer has a functional braking system installed
- When installed in positions other than the one depicted in these instructions the Tow Ball Mount may interfere or obstruct certain features of your vehicle (tailgate opening, Chassis clearance, etc.)

General:

- Before fitting this towbar read fitting instructions and check installation hardware is correct.
- Check that the towbar is suitable for the vehicle and be wary of any changes to the vehicle design that may conflict with the fitting of this towbar. (Tray, Canopy, Suspension etc.)
- After drilling, blow any filings clear, remove any swarf and treat exposed metal with a rust inhibitor.
- The high tensile fasteners supplied with this product are an integral feature to achieving the specified rating, if replacement is required ensure that fasteners of the same grade (8.8) & quality are used. Contact an authorised TAG distributor or the TAG fitment centre - (07) 3208 3022 - if further information is required.

Towbar Maintenance and Care:

It is recommended, when not in use, the Tow Ball Mount assembly and class 4 Pin and Clip is stored inside the car away from moisture to prevent standing water from forming rust. Inspect to ensure, on regular basis, fasteners are torqued to the specifications below and in good condition.

Ensure that the fitting instructions are read and understood prior to fitment
Place these instructions in the vehicle's glovebox after installation is completed.

Fitment Instructions

Step 1. Remove Rear Bumper

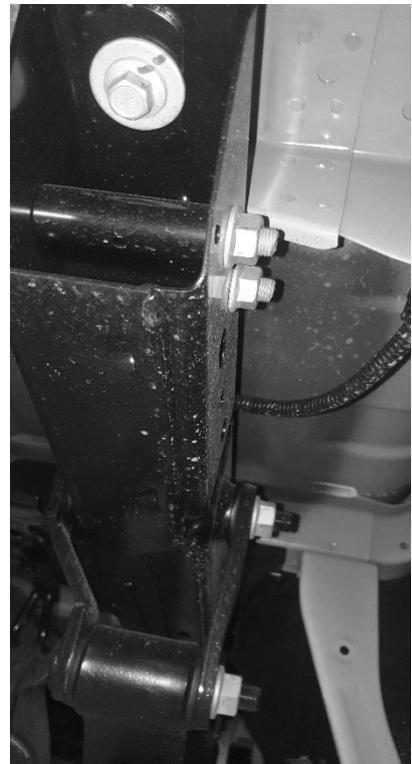
- a. Disconnect wiring loom from the connector on PS Chassis.



- b. Loosen rear most M12 bolts on chassis and remove nuts.
- c. Remove forward most bolt from chassis.
- d. Repeat on opposite side.

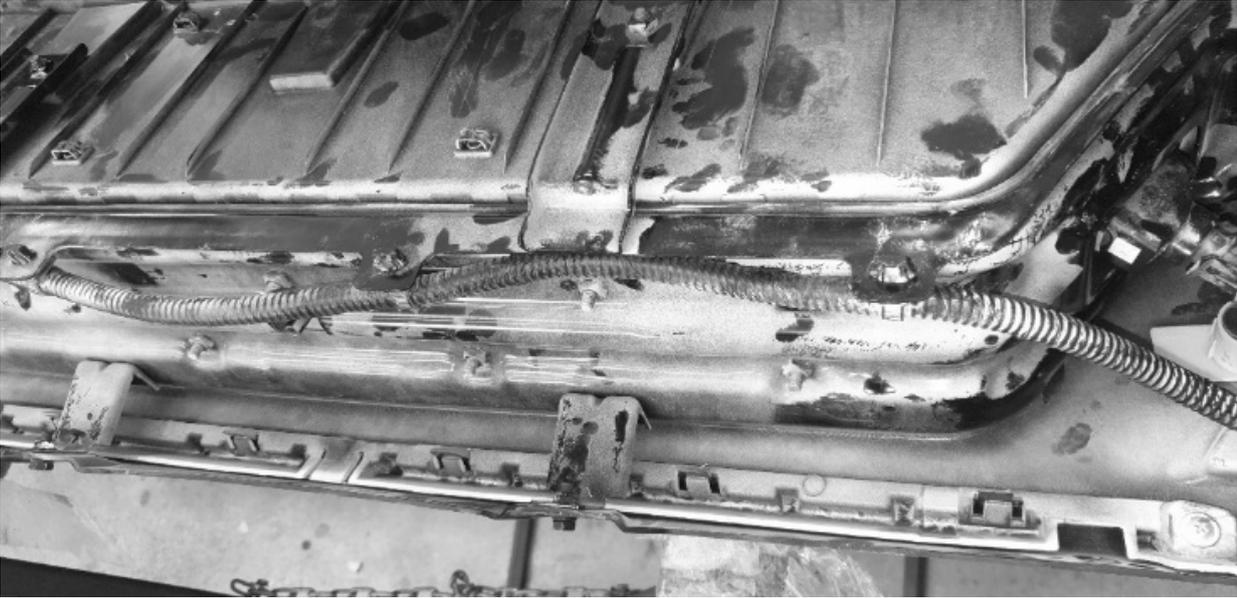


- e. With help to support the bumper, remove the rear most bolts from the chassis and remove bumper. Discard all bolts.
- f. Set bumper aside for further dismantling.



Step 2. Remove Step Cover & Bumper Brackets

- a. Disconnect the reverse sensors and the plug from each number plate light.
- b. Release the remaining wiring loom from its fastening points leaving the lane assist sensor plugs attached.



- c. Remove the number plate lights from the outside by releasing the inner plastic loop tab from behind.



- d. Remove 6x 10mm head bolts from the underside of the bumper & 2x 10mm head bolts from the number plate area.

- e. Starting at the outer most corner of the bumper, pull the black plastic step cover upward whilst releasing the clips from inside.
- f. Using a trim puller or similar gently pry the black step cover until the centre is reached. Repeat on opposite side.
- g. Set the step cover aside.
- h. Remove 15x M6 Philips head screws from top face of bumper skin attaching to steel bumper re-enforcement. Set aside.
- i. The plastic skin can now be separated from the steel bumper re-enforcement.
- j. Remove 2x 13mm head bolts fastening each of the bumper brackets. Discard brackets & bolts

Step 3. Fit Towbar

- a. On PS, from the outside, insert 2x M12x 130 bolts & flat washers into the rear most holes chassis rail till threads are just visible on inside. Repeat the same process for the 2x M12x 130 bolts on the lower recovery point tower with the 8mm doubler plate on the outside face.
- b. On DS, from the outside, insert 3x M12x 130 bolts & flat washers into the rear most holes chassis rail till threads are just visible on inside.
- c. Lift towbar up to chassis and push all bolts through to hold bar in place.
- d. On DS, loosely secure M12 bolts with nuts & washers on the inside.
- e. On PS, pull bolts back to insert 3mm & 10mm chassis spacers between inside of chassis and towbar end plate and 8mm recovery point tower spacer.
- f. Push all bolts through and loosely secure with nuts & washers.
- g. On PS & DS, insert M12x 1.25x 45 bolt & washer into the captive threads.
- h. Beginning at the chassis, tighten all bolts to the torque specification (Pg. 8)



Step 4. Re-fit Bumper Bar

- a. Mount the bumper steel re-enforcement to the endplates using the M8x 20 bolts, washers & nuts. Align with the vehicle and tighten all bolts.
- b. Assemble bumper bar in reverse of **Step 2 (a-i)**.
- c. Use the 2x M6x 20 bolts, washers & nuts provided to fasten the bumper to the lower tab of the endplates.
- d. Re-connect the wiring loom to the connector on PS Chassis.



Torque table for bolt tightening

| Diameter | Pitch | Grade | Torque | Unit |
|--------------------------------------|--------------|--------------|---------------|-------------|
| M8 | 1.25 | 8.8 | 29 | Nm |
| M10 | 1.25 | 8.8 | 57 | Nm |
| M10 | 1.50 | 8.8 | 44 | Nm |
| M12 | 1.25 | 8.8 | 101 | Nm |
| M12 | 1.50 | 8.8 | 97 | Nm |
| M12 | 1.75 | 8.8 | 77 | Nm |
| M14 | 2.00 | 8.8 | 122 | Nm |
| M16 | 2.00 | 8.8 | 190 | Nm |
| Imperial Bolt Torque Settings | | | | |
| $\frac{3}{8}$ " | UNC | 8 | 44.75 | Nm |
| $\frac{1}{2}$ " | UNC | 8 | 108.5 | Nm |

TAG Warranty Statement

SWD warrants your TAG Towbar for its full product life under the following conditions:

- You can show proof of purchase.
- The towbar has been correctly installed by a suitably qualified installer.
- The towbar has not been modified or abused in any way and has only been used for the purpose intended.
- The towbar was not fitted second hand to your vehicle.

The extent of this warranty includes materials and workmanship used in the manufacture of the towbar and is to the equivalent value of current, full replacement cost.

Nothing stated or implied in this warranty limits in any way, the statutory rights that you may have.

To make a claim visit the original installer in the first instance or, if you are unable to or are not satisfied with their help, then contact us direct by phone on 1300 669122 or visit www.swd.com.au