

# Fitting Instructions



SKU

PRODUCT

**T7T687**

**TAG Heavy Duty Towbar to suit  
Toyota Rav4 (12/2012 - 02/2019)**



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instructions

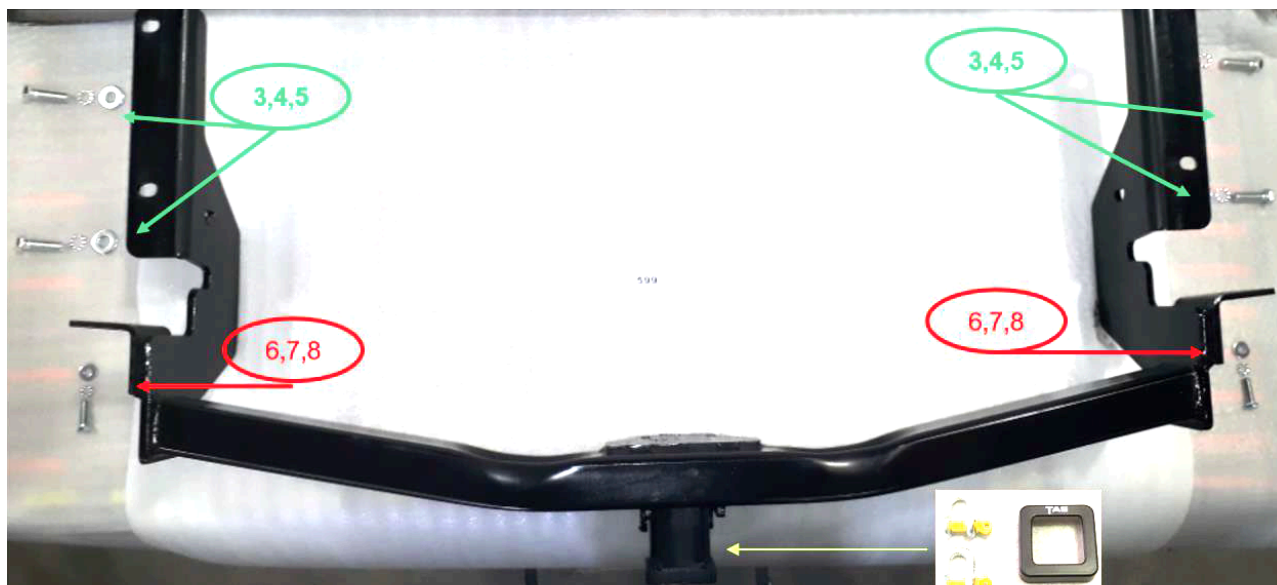
## SPECIFICATIONS

- Towbar Class: Heavy Duty
- Towing Capacity: 1500kg

## IN THIS GUIDE

- Fitment Instructions
- Torque Settings
- Warranty Info

# Towbar Fitting Instructions



Tools Required: Spanners, Sockets, Screwdriver, Torque wrench

<b><i>Item Number</i></b>	<b><i>Item</i></b>	<b><i>Quantity</i></b>
1	Towbar – T7T687 / T4T599	1
2	Ball Mount – L4120	1
3	M12 x 1.25 x 40 Bolt	4
4	M12 Shake proof washer	4
5	M12 Flat Washer	4
6	M8 x 1.25 x 30 Bolt	2
7	M8 Shakeproof washer	2
8	M8 Flat washer	2
9	Class 4 Pin	1

## Step-By-Step Instructions

### 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**

## Step 1. Remove Bumper Bar

- a. Remove 1 screw in each wheel arch.
- b. Remove the shield from under the rear via 6 plastic.
- c. Beginning scrivets at each wheel arch, carefully release the bumper from the body and set aside.
- d. Remove the impact beam and discard.
- e. Remove the shipping hook and discard.

## Step 2. Fit Towbar

- a. Lift towbar up to chassis and loosely bolt both side arms with 2xM12x 40 bolts and washers per side.
- b. Loosely bolt the main bar side plates to the body with the remaining M8 bolts & washers.
- c. Fasten the M12 bolts followed by the M8 bolts.
- d. Torque all bolts to the specifications provided on the table.

## Step 3. Apply Door Sticker

The towbar installer is ultimately responsible for the location & quality of the bumper cut. To avoid mistakes, please use the following measurements as a guide only. We suggest making small incremental cuts and regularly test fit the bumper to ensure an accurate and tidy appearance. The additional application of rubber pinch-weld around the cut edge ensures a neat & tidy look.

- a. Establish the bumper centreline and mark.
- b. Cut out a section 80mm wide & up the rear face to the first contour line in the bumper skin.
- c. Refit the bumper in reverse of steps 1a-c.

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## Step 4. Apply Compliance Label

- a. Apply one of the compliance labels to the pillar of the driver's door. Leave the remaining label & the fitting instructions in the vehicle handbook.



## 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

## 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](http://www.swd.com.au)