

Fitting Instructions



SKU

PRODUCT

T7T713

**TAG Heavy Duty Towbar to suit
Toyota Rav4 (01/2019 - on)**



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version of these
instructions

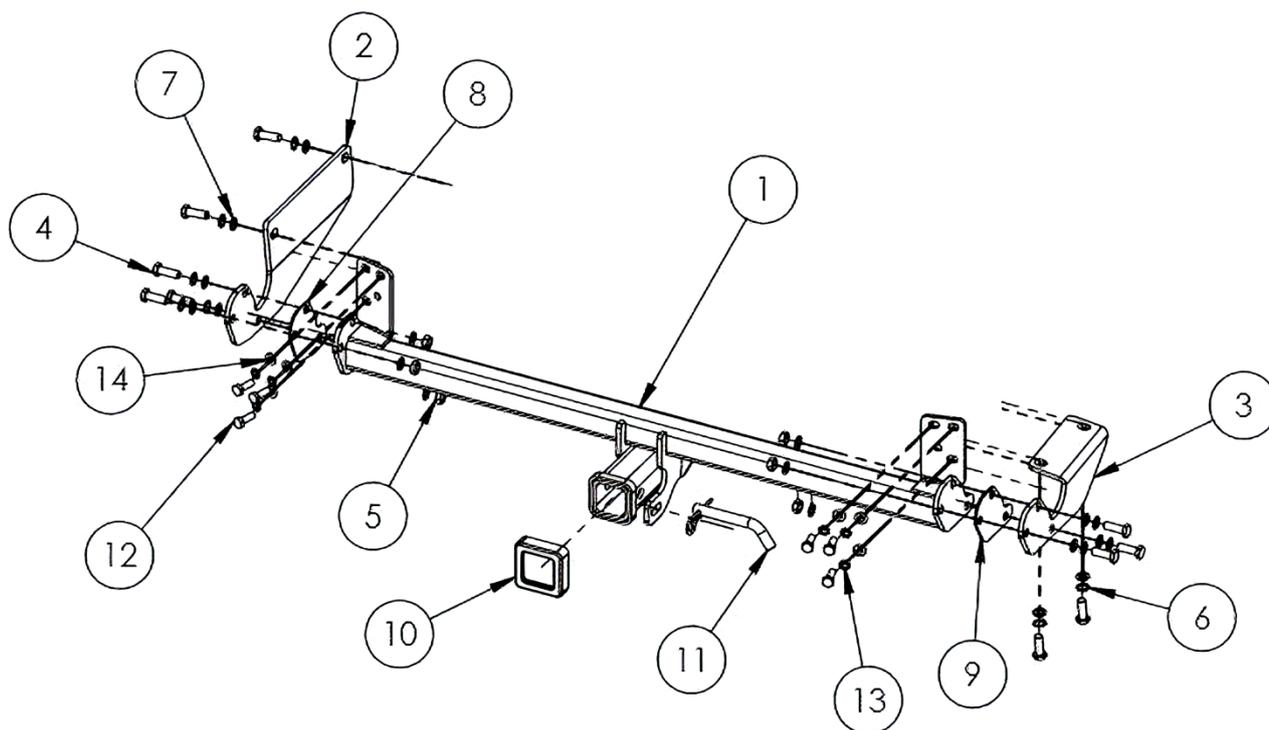
SPECIFICATIONS

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

IN THIS GUIDE

- Fitment Instructions
- Torque Settings
- Warranty Info

Towbar Fitting Instructions



Tools Required: Spanners/Sockets, Torque Wrench, Screwdrivers, Trim Removal Tools, Air Saw

| Kit Contents | | | | | |
|--------------|------------------------|-----|----------|--------------------------|-----|
| Item No. | Description | Qty | Item No. | Description | Qty |
| 1. | Towbar Centre Section | 1 | 9. | Spacer DS | 1 |
| 2. | End Plate PS | 1 | 10. | Hitch Collar Cover | 1 |
| 3. | End Plate DS | 1 | 11. | Class 4 Pin & Clip | 1 |
| 4. | M12x1.25x35 Bolt | 10 | 12. | M10x1.25x30 Bolt | 6 |
| 5. | M12x1.25 Nut | 6 | 13. | M10 Shake Proof Washer | 6 |
| 6. | M12 Shake Proof Washer | 10 | 14. | M10 Flat Washer | 6 |
| 7. | M12 Flat Washer | 16 | ... | D-Shackle | 2 |
| 8. | Spacer PS | 1 | ... | Spare Compliance Sticker | 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

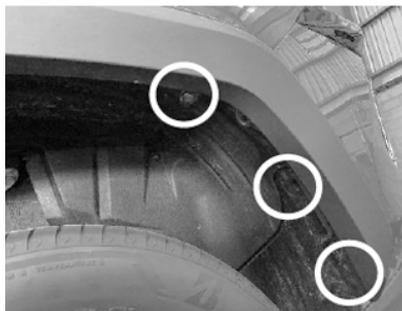
Place these instructions in the vehicle's glovebox after installation is completed

Towbar Fitting Instructions



Step 1. Remove Rear Bumper

1. Disconnect any wiring/plugs connected to the rear bumper
2. Open boot and unclip plastic cover inside each tail light, remove the screw securing the bumper on each side (carefully set all hardware removed in this step aside, you will need it again!)
3. Unscrew the Phillip's head screw inside the boot door jam on each side
4. Remove 2x screws each side bellow the mud guards
5. Remove 2x plastic clips and 1x hex head screw from the inside of each wheel well
6. Unclip the fender flare on each side, starting from the rear end, only unclip far enough to uncover the plastic clip, remove this clip
7. Remove 2x Plastic clips from underside of the bumper
8. With 2 people, carefully unclip the bumper from the vehicle and set aside

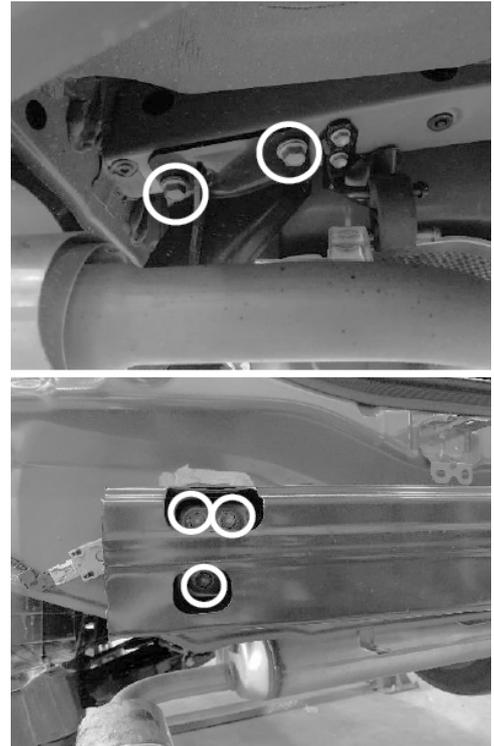


Towbar Fitting Instructions



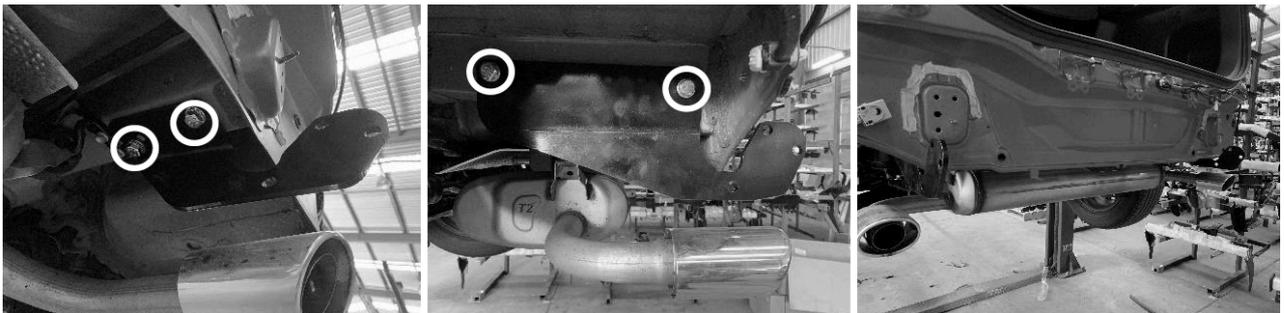
Step 2. Tow Hook & Impact Beam

1. Remove Tow Hook: Unbolt 2x bolts securing the tow hooks, discard of tow hook and hardware
2. Remove Impact Beam: Unbolt 3x bolts securing the impact beam of each side, discard of impact beam and hardware



Step 3. Fit Towbar End Plates

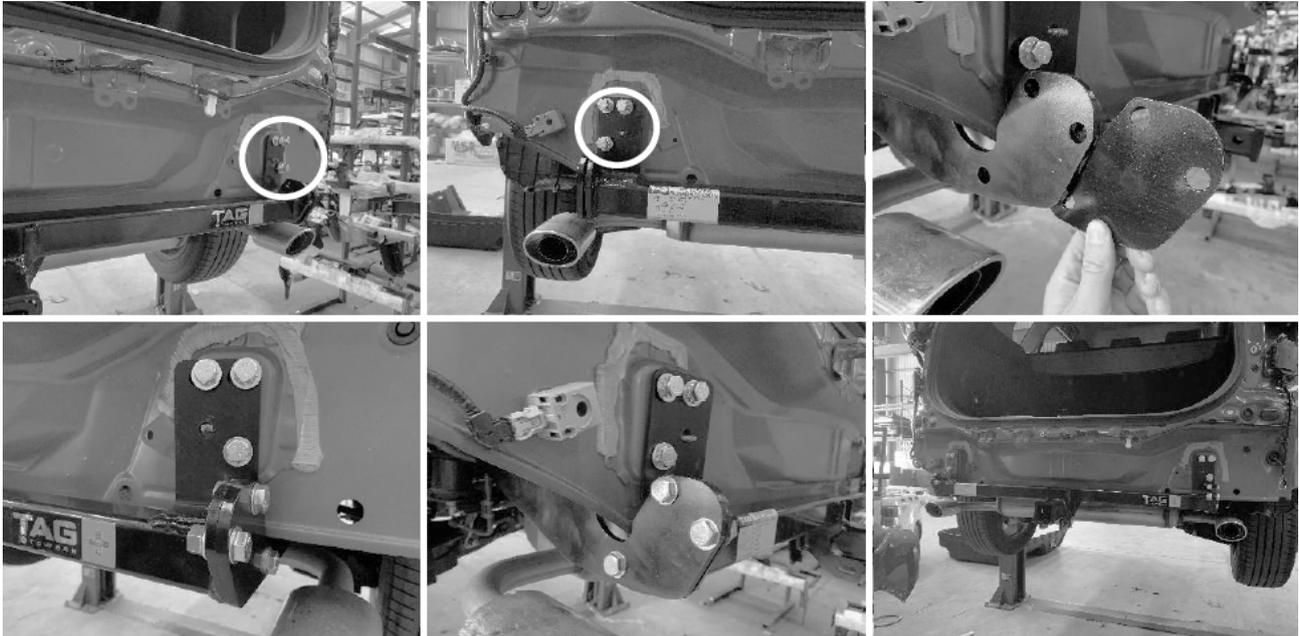
1. Fit Drivers Side End Plate:
 - Using 2x M12 bolts, shake-proof and flat washers, loosely bolt the Drivers side end plate to the driver side chassis rail, into the down facing captive nuts
2. Fit Passenger Side End Plate:
 - Using 2x M12 bolts, shake-proof and flat washers, loosely bolt the passenger side end plate to the passenger side chassis rail, into the side facing captive nuts



Towbar Fitting Instructions



Step 4. Secure Towbar Centre Section

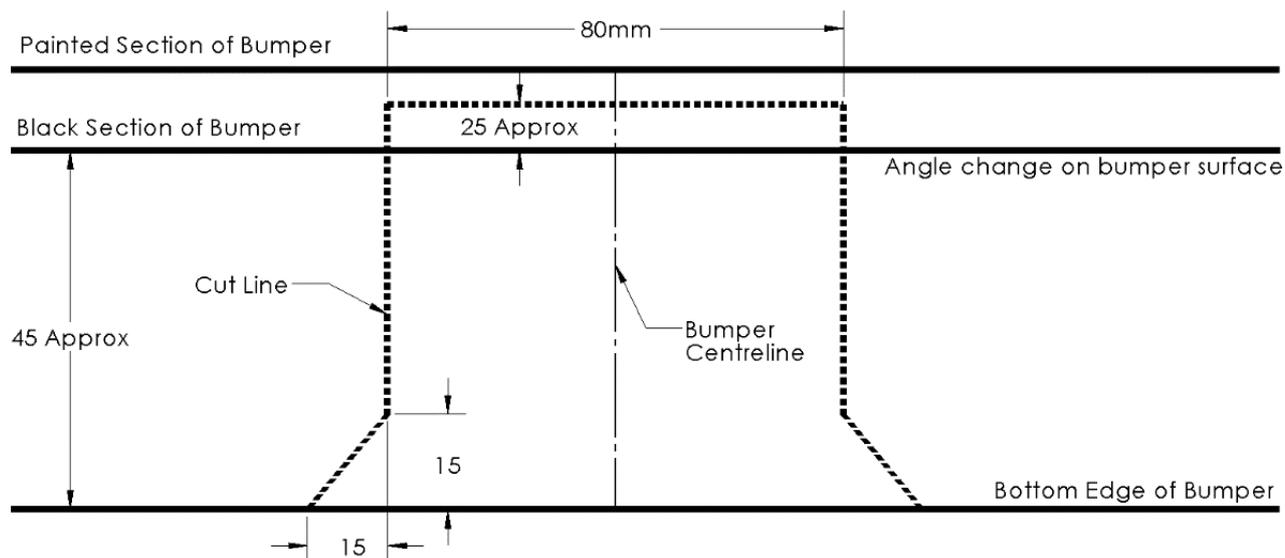


1. Position centre section between end plates and loosely bolt to the angled surfaces previously used as impact beam mounts, using 3x M10 hardware each side
2. Determine if spacers are needed: If there is more than approx. 3mm clearance between end plates & centre section on each side, then spacers will be required. If the clearance is less than this, spacers will not be required between the parts. Note: the DS and PS spacers are different
3. Using 3x M12 Bolts, Shake Proof Washers and Bolts, 6x M12 Flat Washers, and 1x Spacer (if required) per side. Loosely secure the towbar centre section between the end plates.
4. When all hardware is in place, tighten all bolts (including those into the chassis rails) to the torque specified.

Towbar Fitting Instructions



Step 5. Perform Bumper Cut & Refit Rear Bumper



1. Locate the centre of the bumper along the bottom edge. Viewing from directly behind the vehicle, create bumper cut as shown in the diagram. Note: this is a guideline and may need to be modified if the bumper is still in contact with the towbar.

Refit the rear bumper by reversing the steps in step 1

Step 6. Apply Door Sticker

- a) Apply Towbar info label to the inside of the driver's side door Jamb.



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