

Fitting Instructions



SKU

PRODUCT

T4K495

**TAG Heavy Duty Towbar to suit
KIA Carnival (01/2006 - 2011),
Grand Carnival (01/2006 - 12/2014)**



Example Image Only

Towbars are designed specifically for each vehicle and may differ from the example above



Scan for latest version of these instructions

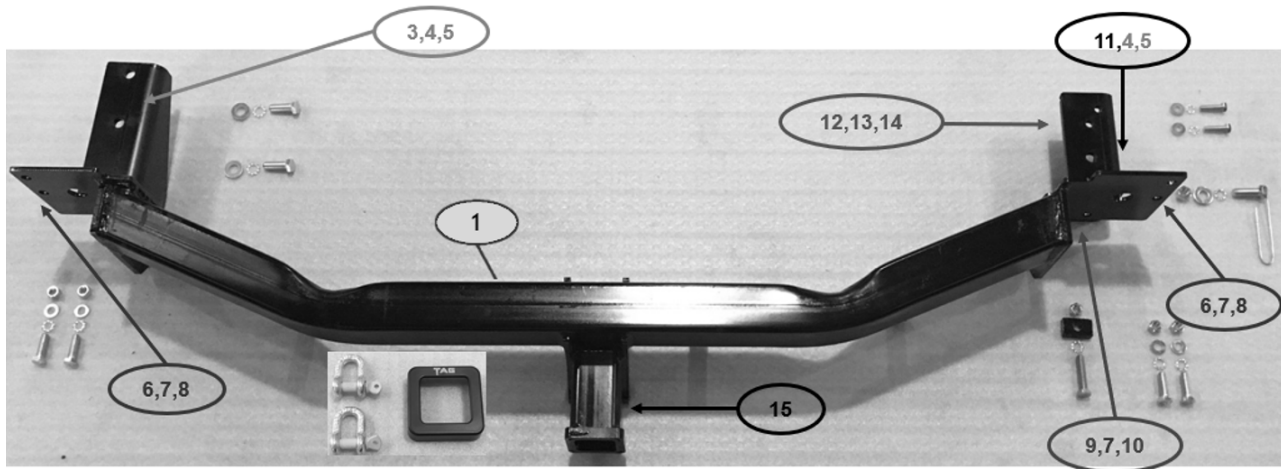
SPECIFICATIONS

- Towbar Class: Standard Duty
- Towing Capacity: 2000kg

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Towbar Fitting Instructions



Tools Required: Spanners, Screwdriver, Sockets, Torque wrench

ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Towbar – T4K495	1	9	M10 x 1.25 x 50 Bolt & Nut	1
2	Ball Mount – L4120	1	10	Plate – 40 x 25 x 10mm	1
3	M12 x 1.25 x 35 Bolt	2	11	Bolt on wire & Nut	1
4	M12 Shake proof washer	3	12	M8 x 1.25 x 30 Bolt	2
5	M12 Flat Washer	3	13	M8 Shake proof washer	2
6	M10 x 1.25 x 35 Bolt & Nut	4	14	M8 Flat washer	2
7	M10 Shake proof washer	5	15	Class 4 Pin & Clip, D-Shackles, Hitch Receiver Cover	1 Set
8	M10 Flat washer	4			

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, Remove and Discard Impact Beam

- a. Remove tow hook and drop exhaust hanger bracket from chassis and support with jack or similar
- b. Open boot. Remove the screws holding the lights and detach
- c. Remove the screws located in the light cavities
- d. Remove screws securing the underside of the bumper to the car
- e. Remove the screws in the wheel well holding the wheel liner in place
- f. Peel back the liner to gain access to the last screw to be removed.
- g. Peel bumper from car starting at the wheel arches then pull rearwards to release
- h. Disconnect any sensors connected to the bumper skin.
- i. Remove and discard impact beam

Step 2. Fit Towbar

- a. Offer towbar to the chassis rails and loosely secure with 2 X M12 bolt sets into the captive nuts on the passenger side of the vehicle

NOTE: support towbar with jack or have assistance while performing operation

- b. Insert bolt on wire through the access hole on the underside of the chassis to secure the larger of the three holes (hole may need to be drilled in the chassis rail) on the right endplate.

NOTE: washers to be on the inside of the chassis.

- c. Loosely secure the exhaust bracket with the supplied M8 bolts
- d. Loosely secure towbar to the rear panel in the outermost 4 holes with the 4 X M10 bolt sets (2 on each side).
- e. Secure inner most hole on the right side of the towbar to the rear panel being sure to use the 10mm plate as a spacer between the towbar and the car.
- f. Torque all bolts to their specified values starting with the bolts on the rear panel (back page).

Step 3. Refit Componentry, Fit Ball Mount and Apply Door Sticker

- a. Refit all components removed and retained by repeating step 1 in the reverse order
- b. Attach plastic hitch surround to receiver.
- c. Insert ball mount into hitch receiver and secure with the pull pin and R-clip.
- d. Apply one of the compliance labels to the pillar of the driver's door.
- e. 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
Imperial Bolt Torque Settings				
3/8"	UNC	8	44.75	Nm
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