

# Fitting Instructions



SKU

PRODUCT

**T7F706**

**TAG Heavy Duty (Extended)  
Towbar to suit Mazda BT-50  
(09/2011 - 10/2020), Ford Ranger  
(09/2011 - 05/2022)**



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version of these  
instructions

## SPECIFICATIONS

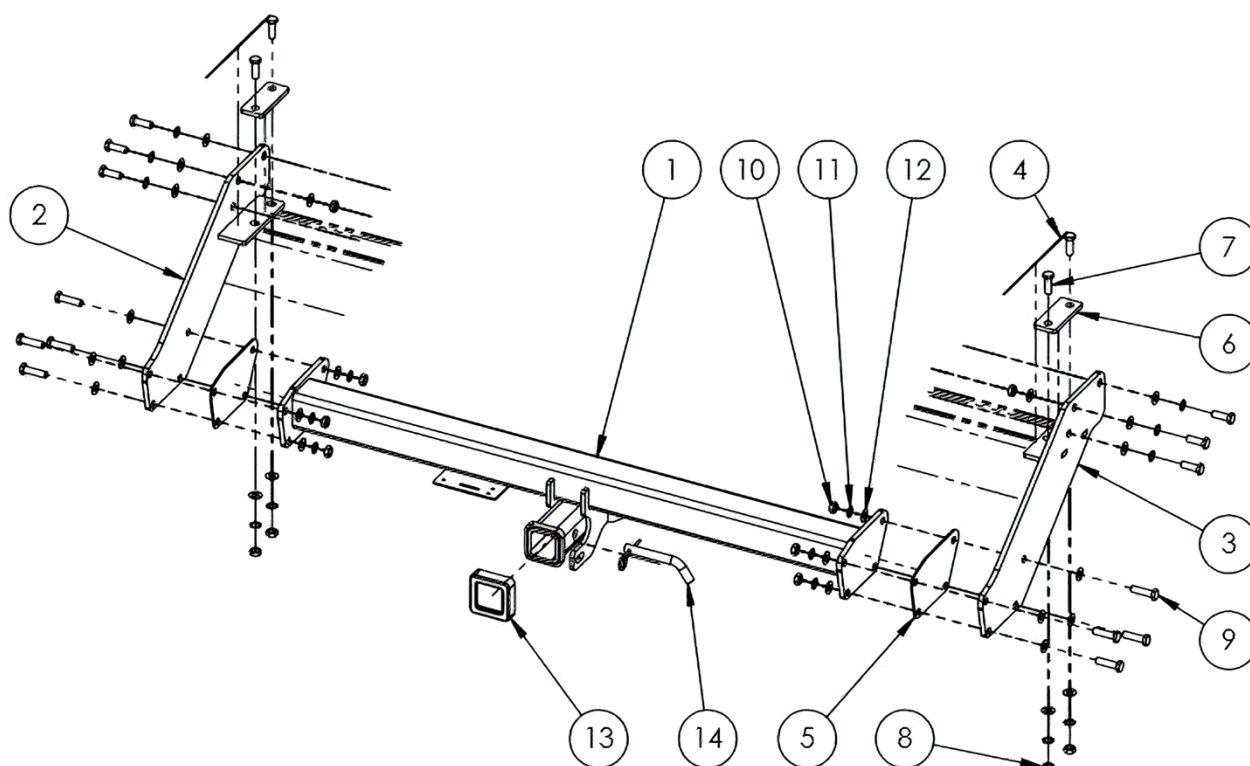
- Towbar Class: Heavy Duty, Extended 3-Piece
- Towing Capacity: 3500kg

## IN THIS GUIDE

- Fitment Instructions
- Torque Settings
- Warranty Info



# Towbar Fitting Instructions



Tools Required: Spanners, Sockets, Torque wrench

Kit Contents					
Item	Description	Qty	Item	Description	Qty
1.	Towbar Centre Section	1	10.	M12x1.25 Nut	8
2.	End Plate Subassembly PS	1	11.	M12 Shake Proof Washer	20
3.	End Plate Subassembly DS	1	12.	M12 Flat Washer	30
4.	M12x35x1.75 Bolt on Wire	2	13.	TAG Hitch Collar Cover	1
5.	Spacer 3mm	2	14.	Class 4 Pin & Clip	1
6.	Chassis Top Plate	2	...	Door Sticker	1
7.	M12x35x1.75 Bolt	10	...	Spare Compliance Sticker	1
8.	M12x1.75 Nut	6	...	D-Shackles	2
9.	M12x45x1.25 Bolt	8	...	...	...



## 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**

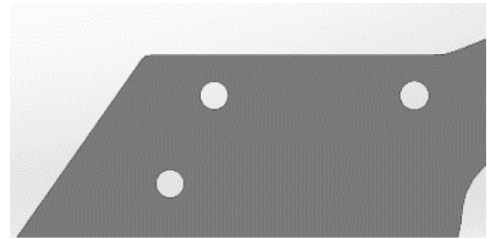


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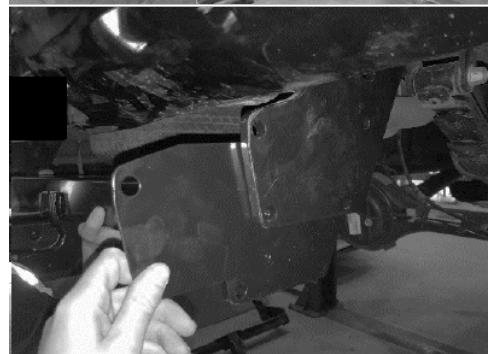
## Step 1. Attach Towbar End Plates

- a. Loosely secure both towbar end plates to the chassis & refit the rear step in the following order.
  - Using 3x M12x1.75x35 Bolts, Flat and Shake Proof Washers in the captive nuts on the outside of each chassis rail. Note there is no captive nut for one bolt, this will require a nut and washer on the inside of the chassis rail
  - Using 1x M12x1.75x35 Bolt on Wire & 1x M12x1.75x35 Bolt downwards through the Top plate and vertical hole in each chassis rail. Secure with Flat Washers, Shake Proof Washers and M12x1.75 Nuts.
- b. Tighten the bolts to hold the end plates against the chassis rails. DO NOT tighten to torque spec.



## Step 2. Determine if Spacers are required

- a. Position the Towbar centre section between the two end plates.
  - If there is more than approx. 3mm clearance between the parts on each side, then spacers will be required.
  - If the clearance is less than this, spacers will not be required between the parts.





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## Step 3. Secure Towbar Centre Section and Torque Bolts

- Using 4x M12x45 Bolts, Shake Proof Washers and Nuts, 8x M12 Flat Washers, and 1x Spacer (if required) per side. Bolt head should be on the outside and shake proof washer should be on the inside of the flange. Loosely secure the towbar centre section between the end plates.
- Ensure centre section is right side up with the hitch receiver bellow the main cross-bar.
- When all hardware is in place, tighten **all** bolts (including those into the chassis rails) to the torque specified.

M12 = 100Nm



## Step 4. Apply Compliance Label

- 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
Imperial Bolt Torque Settings				
$\frac{3}{8}$ "	UNC	8	44.75	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 intended purpose.
- 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)