

Fitting Instructions



SKU

TXR862

PRODUCT

**TAG 4x4 Recovery Towbar for
Toyota Landcruiser Troop Carrier
(08/1991 - on)**

SPECIFICATIONS

- Towbar Class: 4 Heavy Duty XR
- Towing Capacity: 3500kg
- Tow ball Weight: 350kg
- Recovery Point WLL:4000kg
- Approx. Fitment Time: 90 Minutes



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instructions

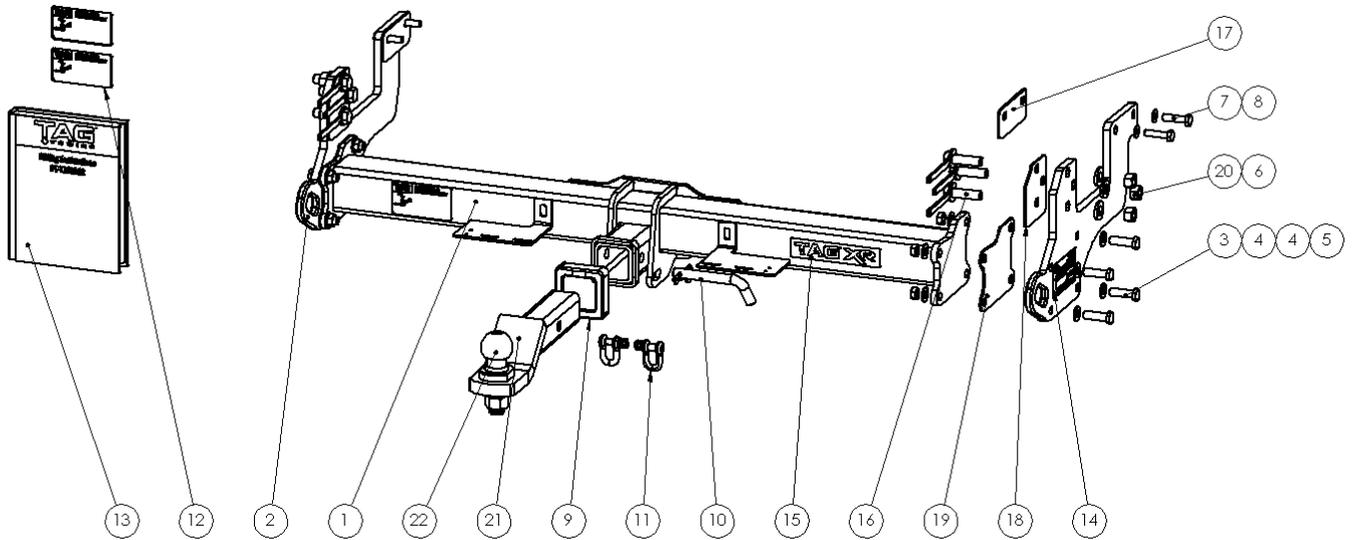
TOOLS REQUIRED

- Spanners
- Sockets
- Air Saw or similar.
- Trim Removal Tool
- Torque Wrench

IN THIS GUIDE

- Fitment Instructions
- Torque Settings
- Warranty Info

Towbar Assembly



Item No.	Description	QTY.	Item No.	Description	QTY.
1	Centre Assembly	1	12	TAG Compliance Sticker	3
2	End Plate	2	13	Fitting Instruction	1
3	M12 x 1.25 x 40 Bolt	8	14	Tag WLL Sticker (Blank)	1
4	M12 Flat Washer	16	15	TAG XR Sticker 150 x 33mm	1
5	M12x1.25 Nut	8	16	M14 x 1.5 x 50 Chassis Bolt Plate	6
6	M14 Flat Washer	6	17	Chassis Spacer (Front)	2
7	M10 x 40 x 1.25 Bolt	4	18	Chassis Spacer (Rear)	2
8	M10 Flat Washer	4	19	End Cap Spacer	2
9	TAG Hitch Cover	1	20	M14 X 1.5 Nut	6
10	Class 4 Pin & Clip	1	21	L4045 DURATEC TBM	1
11	D-Shackle - 10mm. 1000kg	2	22	50mm TAG Tow Ball with Flat edge - Zinc Plated	1

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 burrs 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 center - (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, Following the fitment place these instructions in the vehicle's glovebox after installation is completed.

Metric Bolt Torque Settings

Diameter	Pitch	Grade	Torque	Unit		Diameter	Pitch	Grade	Torque	Unit
M8	1.25	8.8	29	Nm		M12	1.25	10.9	125	Nm
M10	1.25	8.8	57	Nm		M12	1.50	10.9	105	Nm
M10	1.50	8.8	44	Nm		M14	1.25	10.9	195	Nm
M12	1.25	8.8	101	Nm		M14	1.50	10.9	165	Nm
M12	1.50	8.8	97	Nm		M16	1.25	10.9	295	Nm
M12	1.75	8.8	77	Nm		M16	1.50	10.9	250	Nm
M14	2.00	8.8	122	Nm		50mm Tow Ball	N/A	N/A	300	Nm
M16	2.00	8.8	190	Nm		70mm Tow Ball	N/A	N/A	750	Nm

Step 1: Remove Bumper

Remove the outer plastic endcap.

- a. Remove 1x hex head screw from the forward-most front bottom face. Also remove the plastic threaded retainer. Use pliers to squeeze the retaining tabs to allow removal downwards.
- b. Inside the end cap, remove 2x M8 nuts & 1x M8 bolt & nut fastening the end cap to the steel bumper. One fastening the top face, one fastening the rear face and one at the lower inner corner. Retain all fasteners.
- c. Remove plastic endcap.

Remove the inner steel centre sections.

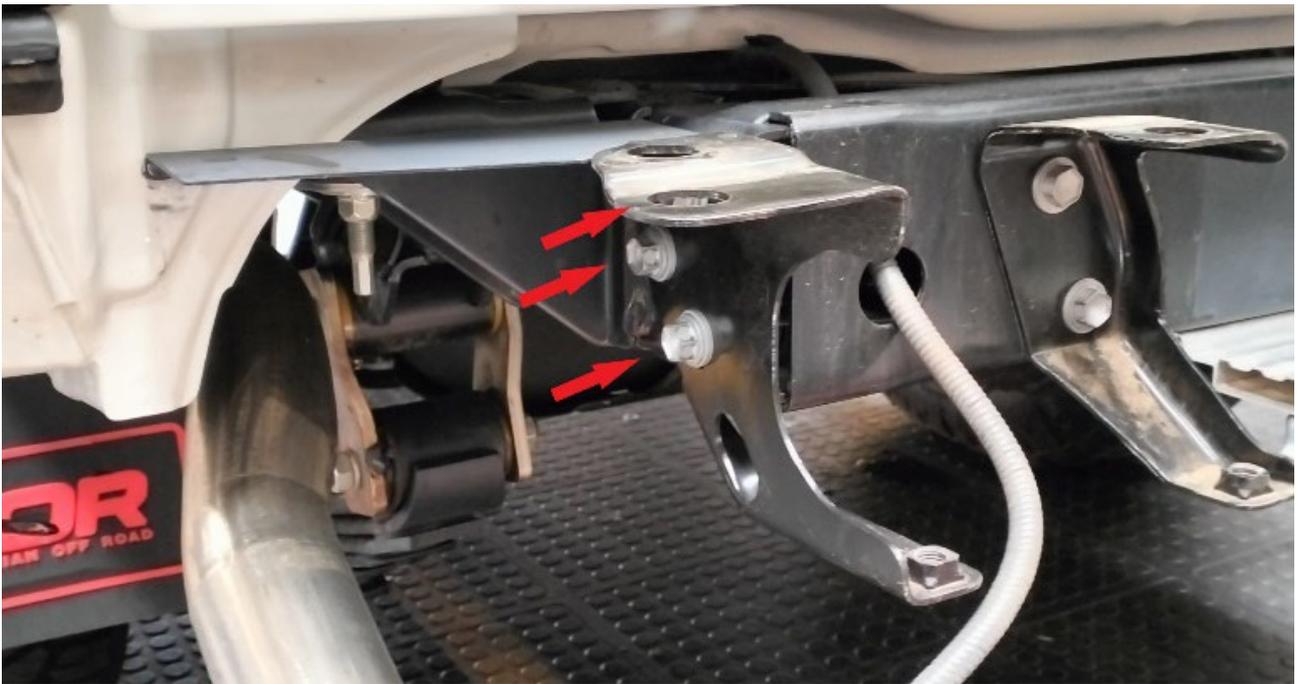
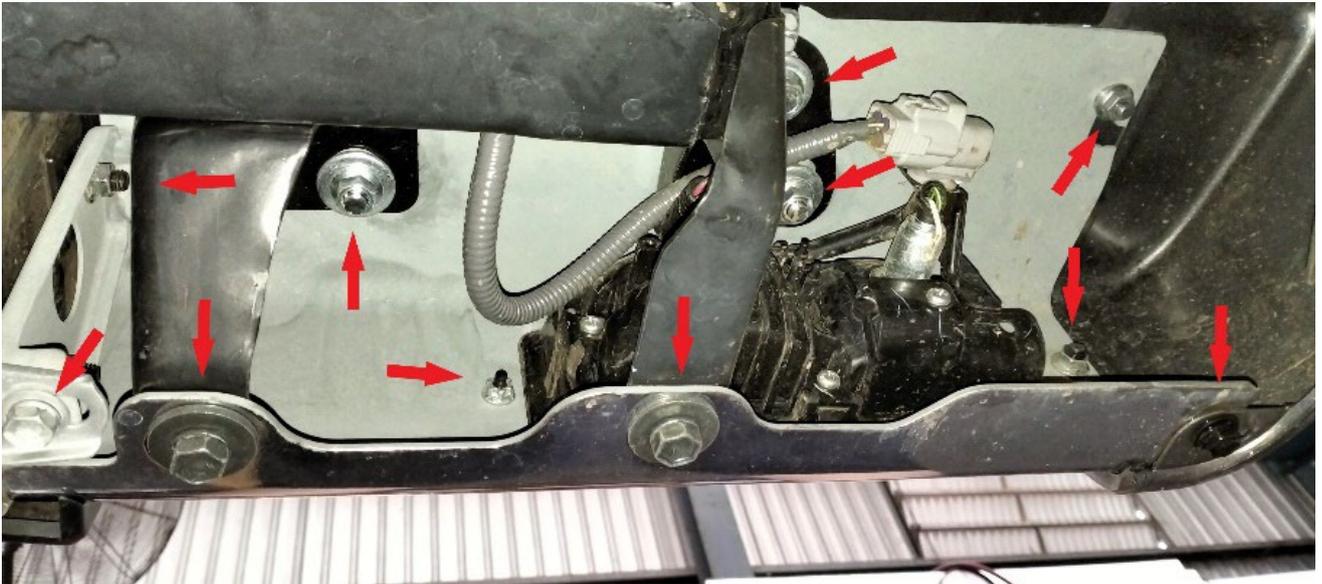
- d. Remove 2x M6 nuts fastening the taillight to the bumper. Remove taillight rearward. Disconnect harness from light. Inside the steel bumper section, remove 3x M10 nuts from the inner top face. Remove 2x M10 nuts from the outside of the bottom face and 1x M8 bolt fastening the steel bumper section to the centre aluminium centre step. Retain all fasteners. Remove steel section.
- e. Remove the steel bumper support from the outer face of the chassis via 3x M10 bolts. Discard the bolts.

Drill Chassis

- f. Using a power drill, enlarge the 3x M10 bumper support holes in the chassis to 14mm. Once drilled through use a cold chisel & hammer to remove the remaining captive nuts from the chassis. Blow all filings from the chassis. Treat the exposed metal with a suitable anti-rust paint.
- g. Enlarge the 3x chassis mounting holes in the steel bumper support to 14mm using a die grinder or similar. Remove the welded M6 nut from the DS chassis mount. (PS does not have welded nut). Treat the exposed metal with a suitable anti-rust paint.
- h. Repeat steps a-h on opposite side.



Installation Instructions



Step 2: Fit Towbar

Note: Check the width of the chassis. Use the 3mm chassis & main bar packers if required.

- From under the chassis, feed the handles of the 3x M14x 1.5x 50 chassis bolt plates up through the triangular gap of the chassis rail, crossmember & chassis gusset and out through the gap between the chassis rail and the chassis cross member at the rear.
- Use the handles to insert the bolts into the enlarged side chassis holes. Place bumper support, end plate spacer and towbar end plate over threads and fasten loosely with M14 nuts & flat washers on the outside.
- Insert 2x M10x 1.25x 40 bolts in the top forward-most holes of the end plate loosely.
- Repeat steps 1-c on opposite side.
- Lift main bar up to end plates and insert 4x M12x 1.25x 40 bolts with flat washers into end plates and endcaps of main bar assembly. Fasten loosely with M12x 1.25 nuts and flat washers.

Note: Before tightening the M14 bolts, align the top bumper mounting tab with the nearest (inner) tab or the steel bumper won't sit flat and will be at an angle.

- Beginning at the chassis, tighten all bolts according to the torque table on page 3.



Installation Instructions



Step 4: Complete Towbar & Apply Spare Compliance Label

- a. Attach TAG Hitch cover with rubber mallet carefully to prevent breaking.
- b. Attach Tow ball to Ball Mount, slide ball mount into towbar receiver and secure with Pin and Clip if you are going to tow straight away. Alternatively secure the Ball Mount in a safe place inside your vehicle.
- c. Apply one of the compliance labels to the pillar of the driver's door. Leave the remaining label and the fitting instructions in the vehicle handbook.



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.