

Fitting Instructions



SKU

T4JA31

PRODUCT

**TAG Heavy Duty Towbar
for BYD Sea Lion 6 04/24-on**

SPECIFICATIONS

- Towbar Class: CL 4 Heavy Duty
- Towing Capacity: 1300kg
- Tow ball Weight: 130kg
- Approx. Fitment Time: 90 Minutes



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instructions

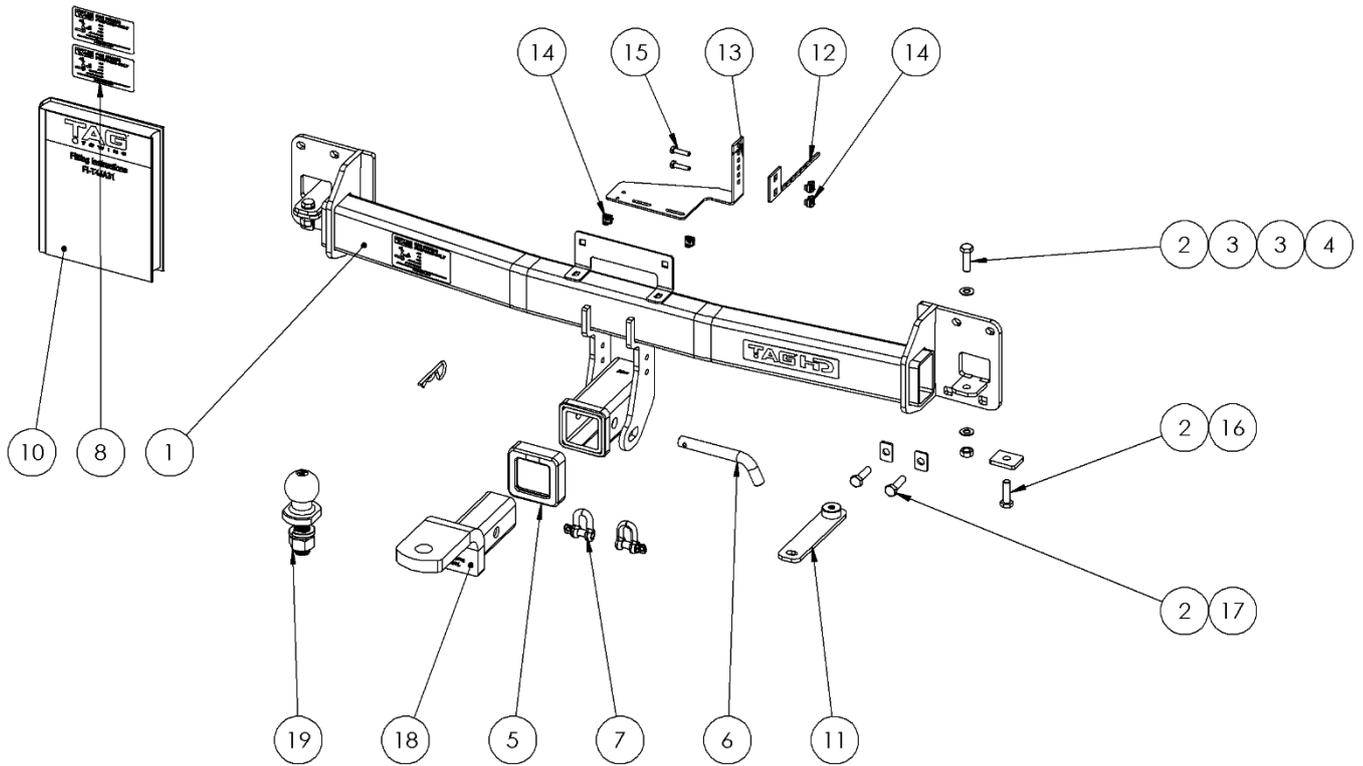
TOOLS REQUIRED

- 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	Welded Assembly	1	11	Internal Chassis Fastener Plate	2
2	M10 X 1.25 X 35 Bolt	8	12	Cage Nut Fastening Plate	1
3	M10 Flat Washer	4	13	Plug Mount - T4JA34	1
4	M10 X 1.25 Nut	2	14	Cage Nut M6 X 1.0	4
5	TAG Hitch Cover	1	15	M6 x 1 x 25 Set Screw	2
6	Class 4 Pin & Clip	1	16	Top Plate - 40x32x6	2
7	D-Shackle - 10mm. 1000kg	2	17	Top Plate 40x25x3	4
8	Compliance Label	3	18	TAG Tow Ball Mount - L4120	1
9	TAG HD Sticker 150 x 33mm	1	19	50mm TAG Tow Ball - Chrome	1
10	Fitting Instruction	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, that 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

Installation Instructions



Step 1: Remove Rear Bumper

- a. Lift the tailgate.
- b. Remove the cover from the inner side of the taillight to reveal 1x Hex head bolt. Remove the bolt.
- c. Remove the 1x Allen head screw from the lower section of the tailgate cavity.
- d. Remove 1x scrivet from the bottom of the bumper directly behind the wheel arch.



- e. Gently pull the wheel arch trim outwards to release it from the bumper to reveal 4 phillips head screws.
Note: Do not release the trim too far toward the front or risk breaking clips. Do not bend outward too much or risk creasing the plastic.
- f. Remove the upper-most 3x phillips screws. Top screw is a button or hex head, the 2x lower ones are countersink heads.
Note: Do not remove the bottom-most screw! It fastens the bottom bumper section to the top section.
- g. Repeat step 1 (b-h) on opposite side.
- h. Remove 2x scrivets from the rear bottom edge of the bumper.



- i. **Retain all fasteners.**
- j. Beginning at each wheel arch gently unclip bumper from body and remove.
Note: The bumper can be tricky to remove. Peel the bumper back to the forward end of the taillights and firmly release outwards. Pull the bumper downwards and out from under the taillight next to the boot opening whilst also manipulating the outer section. **Carefully use a trim removal tool to release the bumper below the boot cavity from the bumper clips.

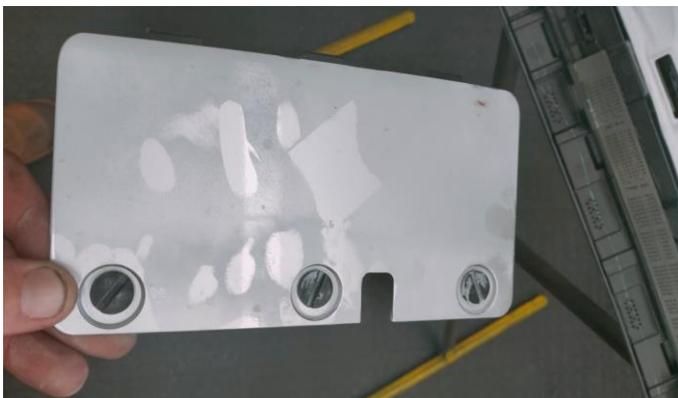
Installation Instructions



****Pulling on the wrong section here will cause the trim to be permanently detached from the bumper. Ensure you are pulling on the forward-most face of the bumper's inner black trim. The bumper will 'pop' out of its retaining clips. The picture below right shows the retainer inside the bumper.**



- k. Disconnect the bumper harness located on the LHS of the vehicle body.
- l. Disconnect the tailgate remote antenna at the top of the crash bar
- m. Set bumper aside.
- n. Remove the tailgate remote antenna from the crash bar via 2x M6 bolts. Retain all.
- o. Remove the small rectangular pop-out section from the bottom centre of the bumper via 3x quarter turn plastic screws.
- p. Remove crash bar via 2x M10 nuts and 2x M10 bolts per side and discard them all.



Step 2: Fit Towbar

- a. Mount the two M6 cage nuts to the front face of the key sensor locator plate on the top of the towbar cross member. **Cut the plastic locator pin from the key sensor mount** and fasten to the locator plate using the original M6 bolts. Tighten bolts. **Harness plug is on DS.**
- b. Lift the bar up to the rear panel and over the existing studs. Loosely secure with the original M10 nuts.
- c. Insert 2x M10 x 1.25 x 35 bolts with 40 x 25 x 3mm top plates into the lower holes of the endplates and loosely secure.
- d. Insert the internal chassis fastening plate into the chassis and loosely secure to the end plate tab with 1x M10 x 1.25 x 35 bolt with flat washers and nuts.
- e. Insert 1x M10 x 1.25 x 35 bolt with 1x 6mm flat plate into the chassis from under the vehicle.
- f. Repeat steps 2 b-e on opposite side.
- g. Tighten all bolts according to the torque specification on page 3.



Installation Instructions

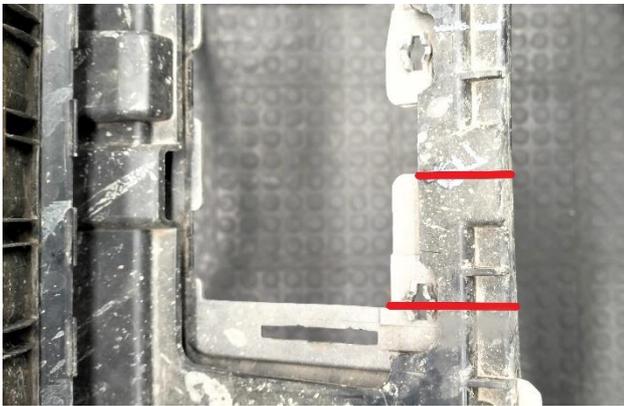


Step 3: Cut Bumper

Note: 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.

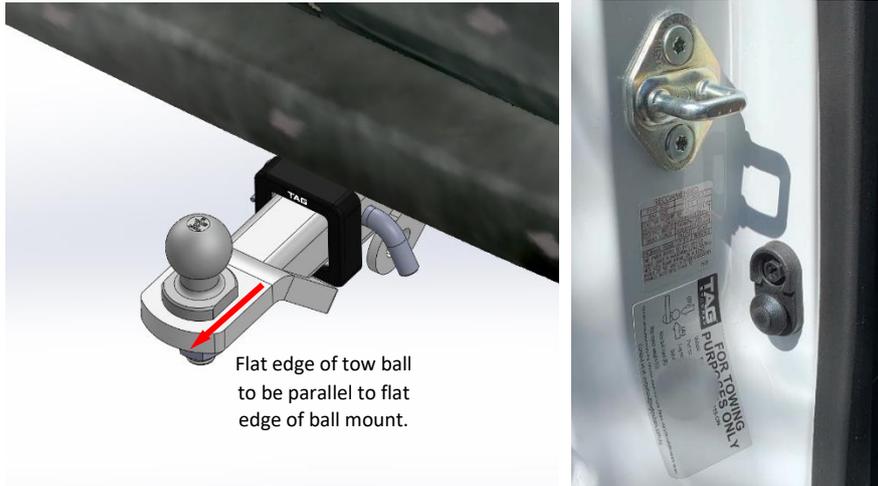
- a. Establish the centre of the bumper.
- b. The bumper will be cut between the original opening and the frontmost lower edge of the bumper.
- c. Cut the bumper using an air hacksaw or other suitable cutting device.
- d. De-burr all cut edges.
- e. Refit bumper in reverse of steps 1a-l.

NOTE: Refitting the bumper below the taillights can be a little tricky. Gently push the retaining tab below the taillights downwards to open the gap. This will help to relocate the bumper.



Step 4: Complete Towbar & Apply Spare Compliance Label

- Attach TAG Hitch cover with rubber mallet carefully to prevent breakage.
- Attach the tow ball to the ball mount. The flat side of the tow ball **MUST BE** parallel to the outer edge of the ball mount. **Tighten the tow ball to 300Nm.**
- Insert the ball mount into the receiver and secure with the Pull pin and R-Clip. When not in use, secure the Ball Mount in a safe place inside your vehicle.
- Apply one of the compliance labels to the pillar of the driver's door. Place 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.