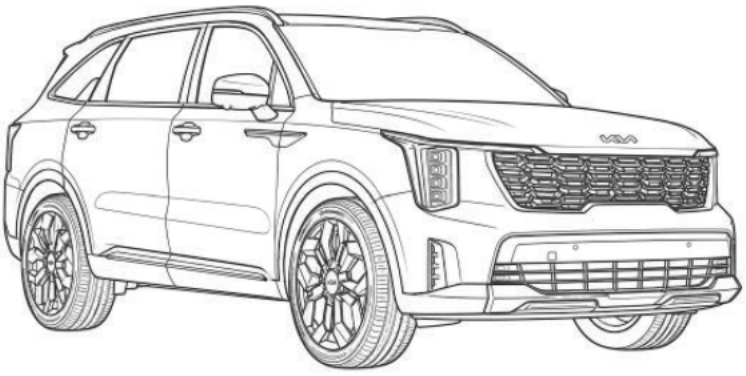
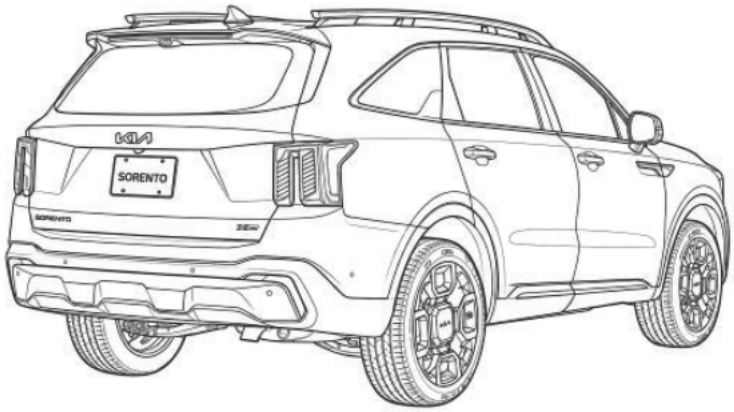
VEHICLE: Kia Sorento SUV 05/2020 - On
PART NUMBER: 124154

TOWRITE
TOWBARS AUSTRALIA

TOWBAR FITTING INSTRUCTIONS

PROFESSIONAL INSTALLATION RECOMMENDED - BUMPER CUT REQUIRED





For Trailer Towing Only

Approximate Installation Time: 1.5 hrs
Maximum Towing Capacity Braked: 2000 kg
Maximum Down Ball Weight: 200 kg
Vehicle towing capacity may vary. Refer to owner's handbook.

TowRite Towbars Australia
9 Deakin Street
Brendale Qld 4500
AUSTRALIA
1800 869 748

WARNING

- This product is designed solely for towing and must be loaded exactly as outlined in your vehicle's Owner's Manual.
- If used with a bike carrier there is a 25% reduction in the towbar or vehicle ball weight capacity whichever is lowest.
- Do NOT drill, cut, weld, or modify this towbar under any circumstances.
- You might need to drill into the vehicle to install the parts. Before you drill, take a quick look behind the chassis rail and body panels to make sure nothing is in the way.
- The stated load ratings apply only where the trailer is equipped with an appropriately rated and functioning braking system.
- If installed in any position other than what is shown in these instructions, the towball mount may interfere with or obstruct certain vehicle features (such as tailgate operation or chassis clearance).

GENERAL

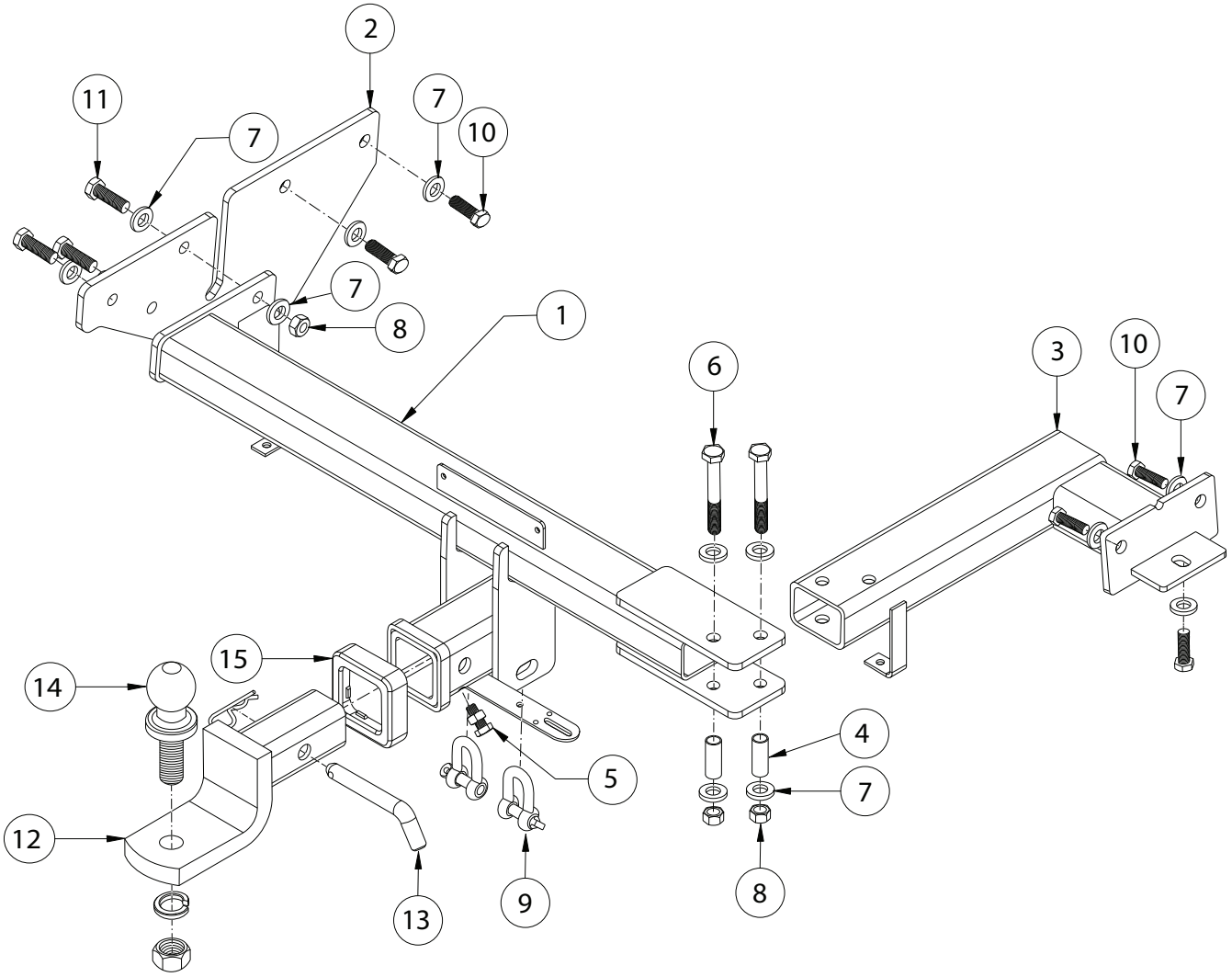
- Before installing this towbar, read the fitting instructions thoroughly and ensure all installation hardware is correct.
- Confirm the towbar is compatible with your vehicle, and consider any modifications or accessories (tray, canopy, suspension, etc.) that may affect installation.
- After drilling, clear away all metal filings, remove burrs, and apply a rust inhibitor to any exposed metal surfaces.
- The supplied high-tensile fasteners are essential to achieving the specified rating. If replacements are needed, ensure they are of the same grade (refer to parts table on Page 3) and quality.
- Routinely check towball is tight before towing.
- Check all fasteners routinely and regularly.
- Be aware of changes in vehicle shape and bumper designs as well as any accessories that may alter the installation of this product.
- Bumper cut instructions are a guide only, ensure correct area is marked out prior to cutting.
- TowRite advises the removal of the ball mount when not in use to provide a clear view of the vehicle's registration plate if obscured.
- These instructions are provided as a guide only. TowRite accepts no responsibility for any changes to vehicle or fitment.
- Check the towball is securely tightened before towing.
- The towbar comes with 2 x compliance labels - one goes on the towbar and one in the driver's side door well.
- A two-person lift is recommended for installation.
- It is recommended that installation is carried out by a trained professional.

Ensure that all lights and systems are functioning properly. Check the vehicle dash for any warning lights and visually inspect the vehicle for any damage before commencing work.

Torque Settings 8.8 Grade High Tensile Bolts

Bolt Size	Torque
M8	22 Nm ± 10%
M10	46 Nm ± 10%
M12	77 Nm ± 10%
M14	146 Nm ± 10%
M16	190 Nm ± 10%
Tow Ball	350 Nm ± 10%

CONTENTS



ITEM NO.	PART DESCRIPTION	QTY
1	TOWBAR ASSEMBLY	1
2	LEFT SIDE PLATE	1
3	SIDE ARM ASSEMBLY RIGHT HAND	1
4	CRUSH TUBE	2
5	ANTI RATTLE BOLT WITH LOCKING NUT	1
6	M12 X 1.75 X 90 mm BOLT	2
7	M12 WASHER	14
8	M12 x 1.75 NUT	4
9	D SHACKLE	2
10	M12 X 1.25 X 35 mm BOLT	5
11	M12 X 1.75 X 40 mm BOLT	3
12	TB00 BALLMOUNT	1
13	HITCH PIN AND CLIP	1
14	50 mm TOWBALL	1
15	PLASTIC SHROUD	1

TOWBAR INSTALLATION

1. Lower the spare wheel and remove.

2. Remove the mudflap by removing 2 x Phillips head screws and 1 x plastic scrivet.

3. Remove 2 x plastic scrivets and 1 x hex head screw from the inner guard liner.

4. Undo the plastic scrivets from the lower rear edge of the bumper near the wheel arch.

5. Repeat steps 1-3 on opposite side.

6. Disconnect the sensor harness behind the inner guard liner.

7. Open the boot and remove the tail light assemblies by undoing the 2 x Phillips head screws located behind the covers. (Tail lights are removed rearward.)

8. Remove the 2 x plastic scrivets from below the tail light recess.

9. From underneath the vehicle, remove and discard 2 x M10 bolts from the forward face of the chassis flange.
   Repeat on the opposite side.

10 Starting at the wheel arch, carefully peel the bumper outward and work toward the tail light recess. Repeat on the opposite side.

Note: Some force may be required to release the bumper from the clips below the boot opening.

11 Place the bumper aside for further dismantling.

12 Disconnect the exhaust from the 3 x rear-most hangers and support as necessary.

13 Using pliers or a similar tool, gently bend outward the join located on the inside lower edge of each chassis

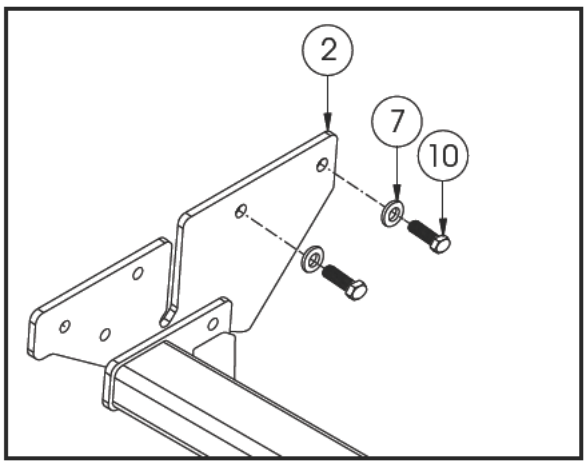
14 Remove the tailgate kick sensor from the crash bar by removing the 2 x screws, then discard the screws.

15 Disconnect the reverse sensor harness from the crash bar.

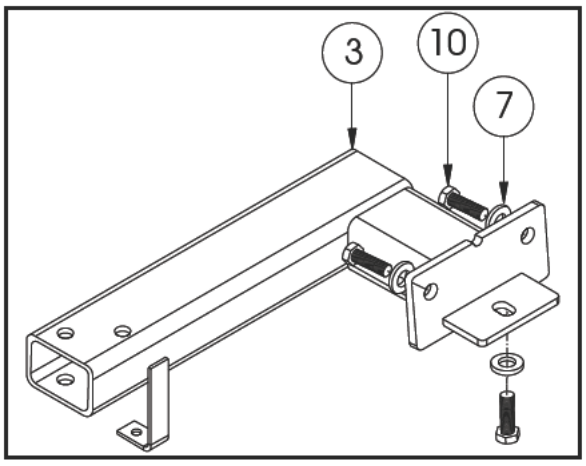
16 Release the crash bar from the bumper by removing 2 x top scrivets and 3 x bottom scrivets. Discard 1 x scrivet.

17 Take note of the orientation of the 4 x small plastic L-shaped brackets attached to the bumper and crash bar. Discard the screws and lower centre bracket.

18 On the LHS, fit left side plate ② on the chassis. Loosely secure with 2 x M12 bolts ⑩ and washers ⑦.



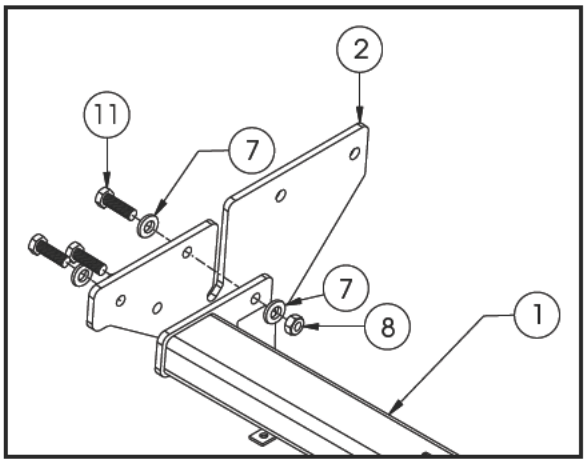
19 On the RHS, fit side arm assembly right hand ③ on the chassis. Loosely secure with 3 x M12 bolts ⑩ and washers ⑦.



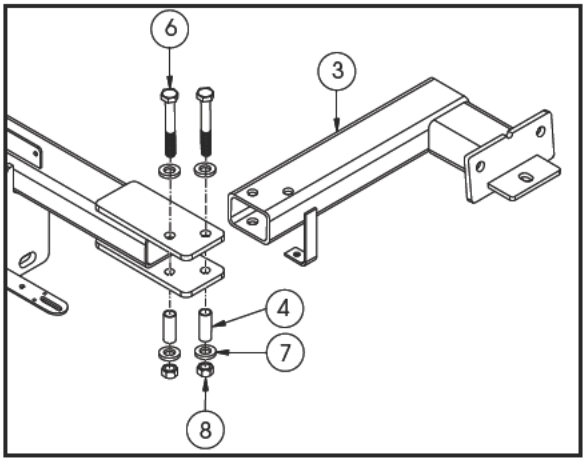
20 Fit towbar assembly ① between side arms. Loosely secure the LHS with 3 x M12 X 1.25 x 40 mm bolts ⑪, washers ⑦ and nuts ⑧ per bolt.

Loosely secure the RHS with 2 x M12 x 1.75 x 90 mm bolts ⑥, using 2 x washers ⑦, 1 x crush tube ④ and 1 x nut ⑧ per bolt. Fit one washer under each bolt head and the other between the crush tube and nut.

LHS



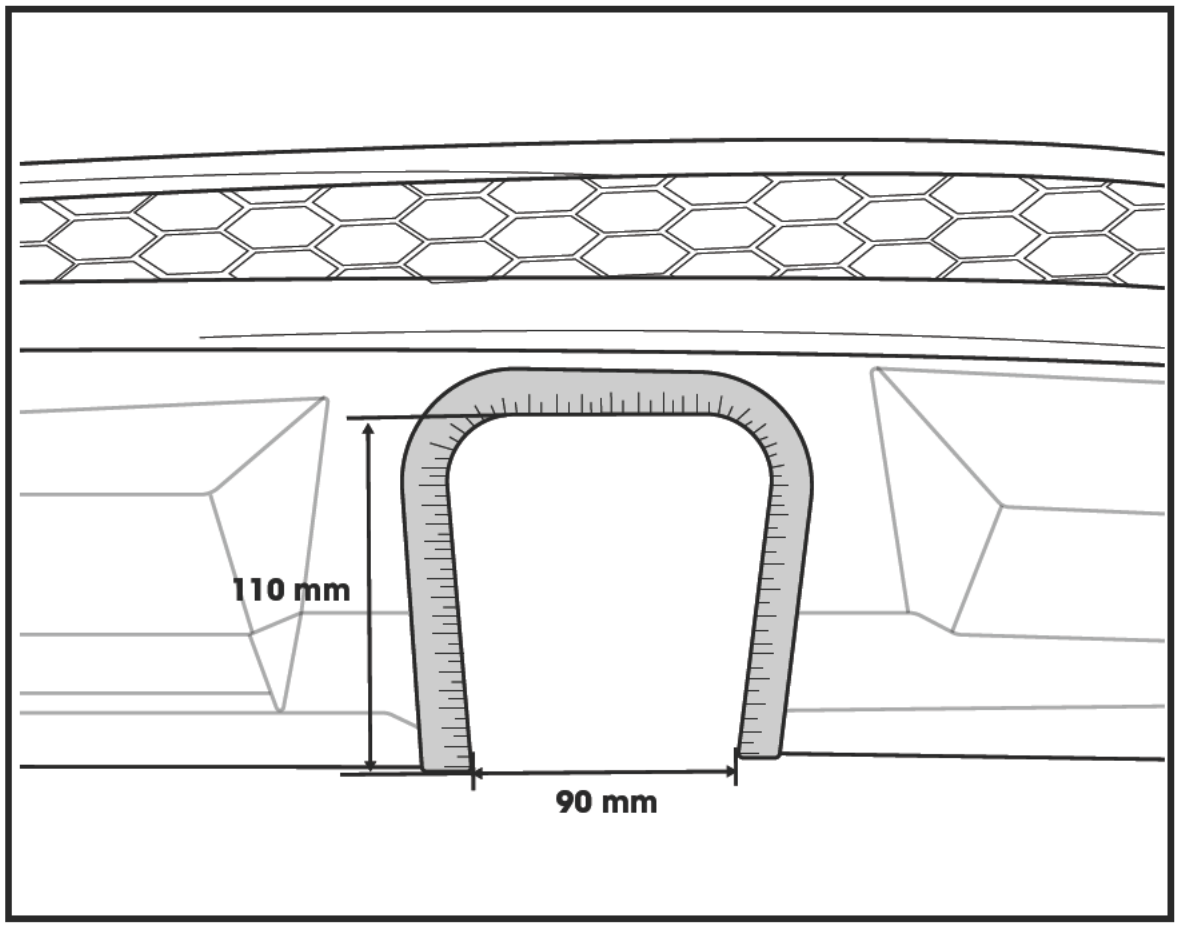
RHS



21 Ensure all fasteners are tightened according to the torque settings on Page 2.

BUMPER CUT INFORMATION

22 **Bumper Cut - This is a guideline only**
Find the center of the bumper. Measure and mark a 90 mm-wide by 110 mm-high area starting from the center of the bumper's bottom edge.

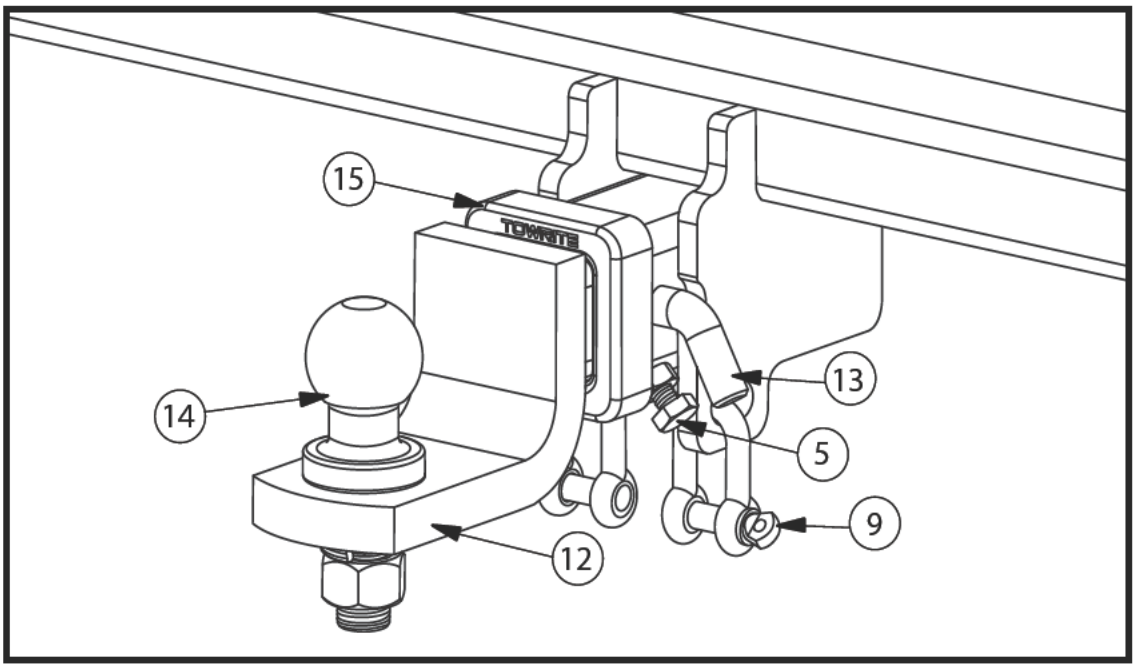


BALLMOUNT INSTALLATION

23 Fit the plastic shroud ⑮ and ballmount ⑫ into the receiver.
Fasten with hitch pin & clip ⑬.
Attach the anti rattle bolt with locking nut ⑤ and D shackles ⑨.

NOTE: This bolt is only to be tightened when not towing.

Fit the towball ⑭ to the ballmount ⑫.

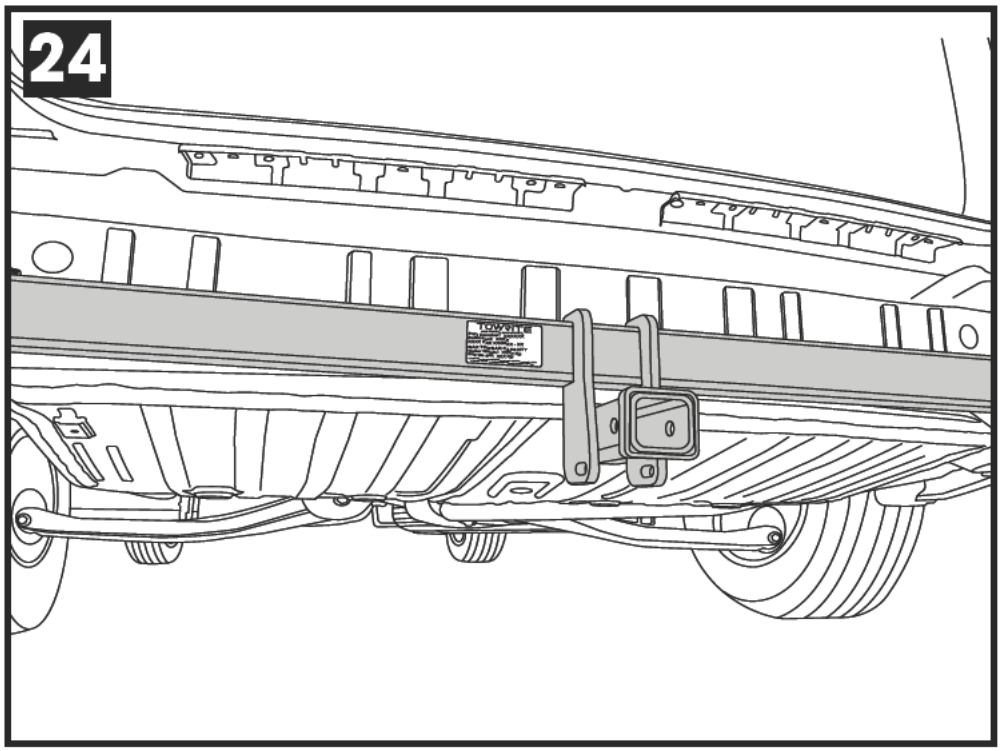


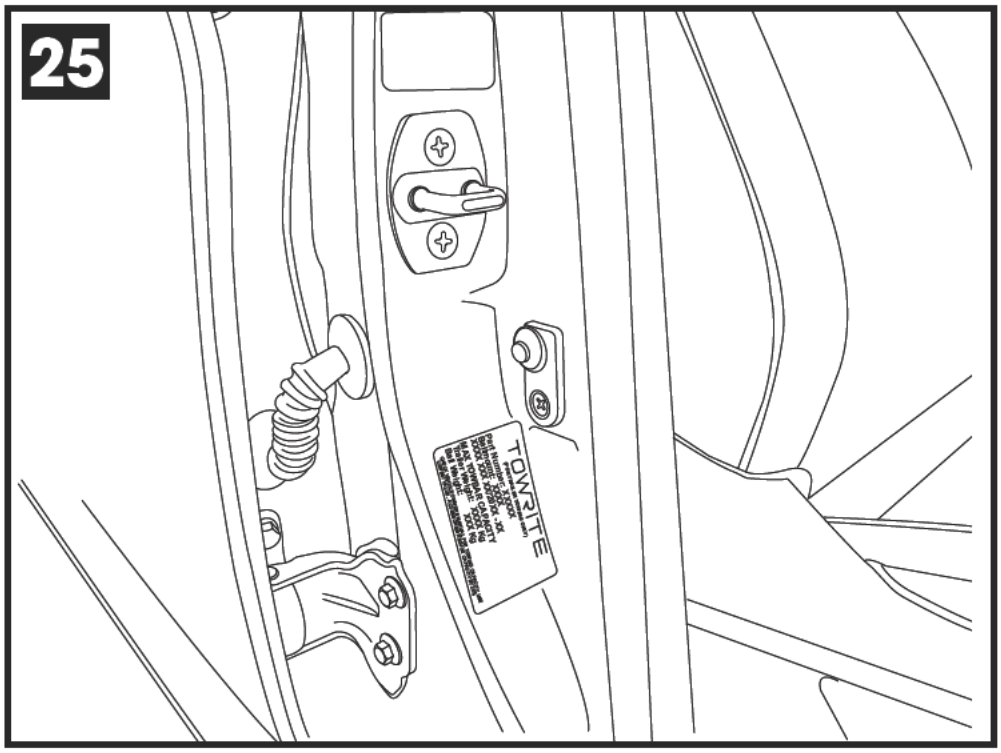
Please see below for Ballmount installation video.

LABEL INSTALLATION

CLEAN SURFACES

Attach 1 x compliance label on the towbar and the second on the driver's side door well.





Maintenance and Care

Here are some maintenance and care tips to allow for trouble free operation of your towbar for years to come.

A) TowRite recommend removal of the ball mount/tongue when not in use.
B) Check all fasteners regularly and tighten if necessary. If any fasteners are worn or damaged use the same grade replacements.
C) Ensure towing and down ball weights do not exceed manufacturer's specifications (this may differ between vehicles - check owners handbook). This is the driver's responsibility.
D) Use a spray lubricant on contacts for wiring connections as well as removable and insert able parts regularly (ie. Trailer plug and ball mount and pin and clip).
E) Check towball for wear and tear regularly, ensure towball is correctly fastened and torqued before towing.

WARRANTY INFORMATION

Your towbar comes with a limited lifetime warranty covered nationwide.
For warranty information please visit *www.towritetowbars.com.au*

Contact us at *warranty@towritetowbars.com.au* or call us on 1800 869 748

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