

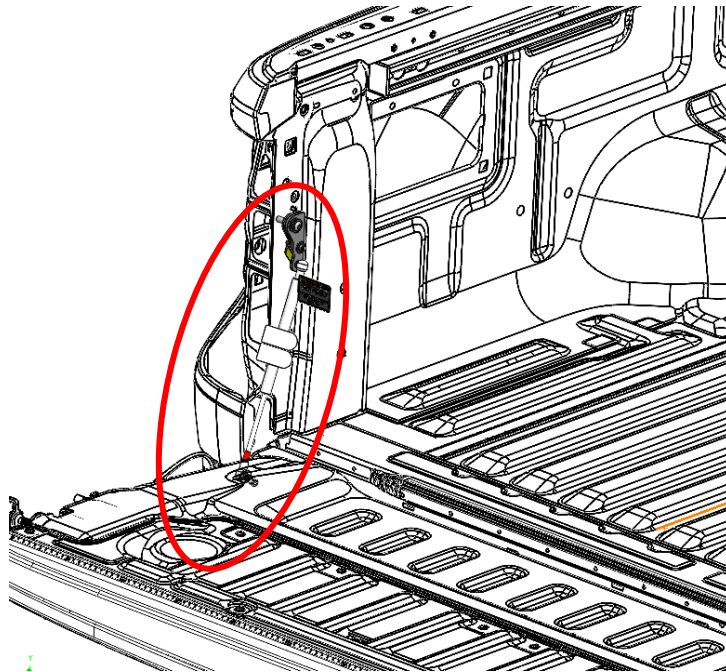


FITTING INSTRUCTIONS

4770030 VW AMAROK 2023+ & FORD RANGER 2022+ TAILGATE ASSIST –

SOUTH AFRICAN BUILT VEHICLES ONLY

(To suit with OE tailgate torsion bar and with or with-out ARB canopy fitted)



FITTING KIT: 4770030 BAG KIT: 6178143

IMPORTANT

- ♦ If being fitted to a vehicle model level without the OE torsion bar fitted to the bottom of the tailgate, the OE torsion bar part must be fitted first.
- ♦ This product must be installed exactly as per these instructions using only the hardware supplied.
- ♦ **Failure to follow instructions precisely may lead to failure of the product or result in injury if the gas spring extension clip is removed prior to the gas spring being fitted.**
- ♦ The installation of this product may require the use of specialized tools and/or techniques.
- ♦ During installation, it is the duty of the installer to check correct operation/clearances of all components.
- ♦ Work safely at all times.
- ♦ Specific installation can vary, so please read the following instructions as they refer to important information, which could affect the quality of the final installation.
- ♦ It is advisable to have these parts fitted by an authorised dealer.
- ♦ **Ensuring that the specified torques are used as contained in this fitting instruction, is imperative, as failure may occur.**
- ♦ IF IN DOUBT CONTACT ARB FOR FURTHER INSTRUCTION.

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection		Gloves	
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NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

CARE INSTRUCTIONS:

In general, the Tailgate Assist system is maintenance free with no need for regular attention. However, the following should be noted: -

- ♦ Gas tension spring struts are open systems. As such, avoid allowing dirt or other particles get into the gas spring through the ventilation hole in the cylinder end.
- ♦ When cleaning, use a non-caustic soap and avoid aiming high pressure water jets into the seal area. Clean with a damp cloth.
- ♦ If grinding noises come from the ball sockets, remove the ball sockets (being careful not to lose or damage the clip) and clean any grit from the ball socket and ball.
- ♦ Avoid excessive heat (greater than 80°C).
- ♦ DO NOT grip piston rods on dampers or gas springs with pliers, vice grip or similar (avoid scratching, denting or bending the rod). Damaged piston rods cause damage to seals and the product will not perform as intended.
- ♦ Avoid paint overspray, weld or grinding splatter, or materials such as glue, or concrete splatter.
- ♦ Avoid cleaning products that leave a coating such as silicones.
- ♦ Avoid applying adhesive tape to the piston rod and do not tie anything to the damper of gas spring as this will lead to bent piston rods.
- ♦ Orientation of installation must be with the cylinder end up of both the gas spring and the damper.

TOOL LIST FOR FITMENT:

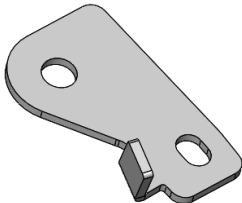
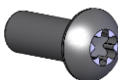
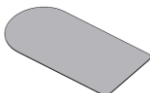
• Torque Wrench • Socket driver & 17mm socket • Torx drive socket bits T30, T40	• Socket drive • Hacksaw • Sand paper fine grit • Fine metal file
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!! IMPORTANT !!

REQUIRED SCREW TORQUES: Refer to steps in fitting instruction

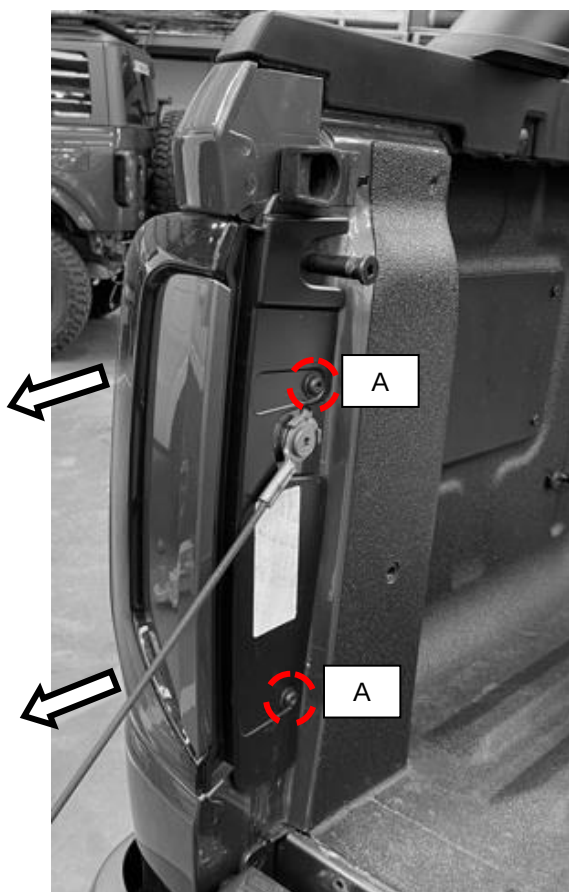
Screw torques must be adhered to. Over torquing can cause failure of components.

THE FITTING KIT CONTAINS:

KIT	Part No	Picture	Qty	Description
Box Kit: 4770030	3753565		1	BALL STUD BRACKET UPPER- LH
	3753556L		1	WIRE STAY KEEPER BRACKET UPPER - LH
	3195568		1	SPACER BRACKET – MIDDLE UPPER
Bagged Kit: 6178143:	6152030		1	M10 PIVOT BALL DIA 10
	4590031		1	DAMPENING STRUT
	4584328		2	M8 x 19 x 1.2MM THICK FLAT WASHER
	6151881		1	M8 x 35 TORX HEAD SCREW
	5848468		1	12MM O.D. x 8.2 I.D. x 4MM THICK SPACER
	6151711		1	M6 x 25 TORX HEAD SCREW
	4584327		1	M6 x 16 x 1.2MM THICK FLAT WASHER
	6602018		1	ALCHOL SWAB SINGLE SACHET
	2125725		2	CLEAR ABRASION RESISTANT STICKER 2 BAGS, 2 PER BAG (4 TOTAL)

SECTION 1: TAIL LAMP REMOVAL AND TRIM.

Section1: LHS TAIL LAMP REMOVAL AND TRIMMING PROCEEDURE



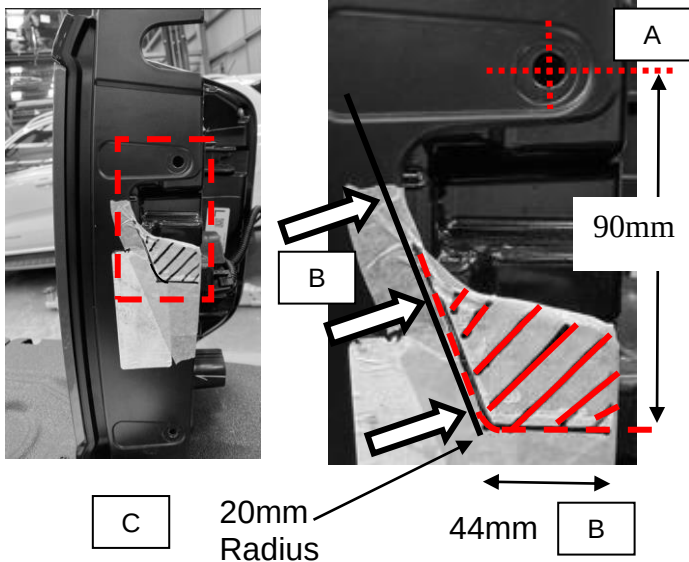
- 1.0) Remove Left-hand tail lamp only by removing M6 torx screws, top and bottom; as shown (A). Retain torx screws. Tail lamp is then to be pulled reward in to remove it from the vehicle.

NOTE 1:

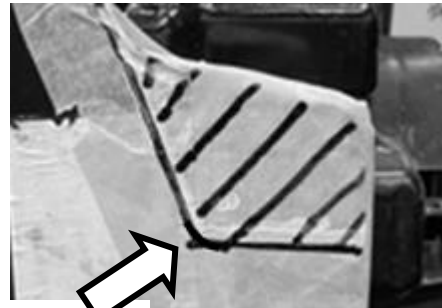
Wiring harness disconnection from back side of tail lamp is not required.

NOTE 2:

Go to “SECTION 2” if you are fitting this kit to a SOUTH AFRICAN BUILT FORD RANGER 2023+.



- 1.1) Tape tail lamp area with masking tape and then mark out area to be trimmed as shown. Bottom horizontal trim line to be marked 90mm down from centre or upper screw hole as shown (A) on the tail lamp unit.
- 1.2) Mark out a diagonal line, along on the tail lamp unit to meet to the horizontal trim line at 44mm and mark as shown (B).
- 1.3) Between intersecting lines, mark a 20mm radius from trimming (C).
- 1.4) Trim out the marked area taking care to follow path marked with a hacksaw, ensuring that a neat 20mm radius is made around intersecting corner.

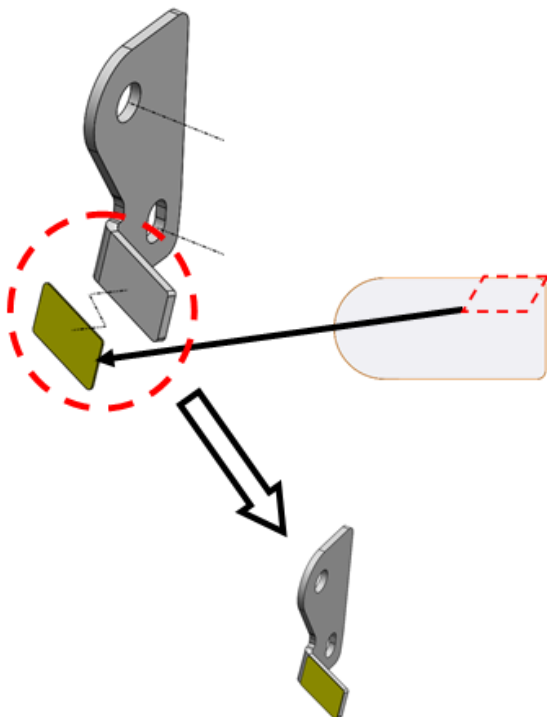


20mm.



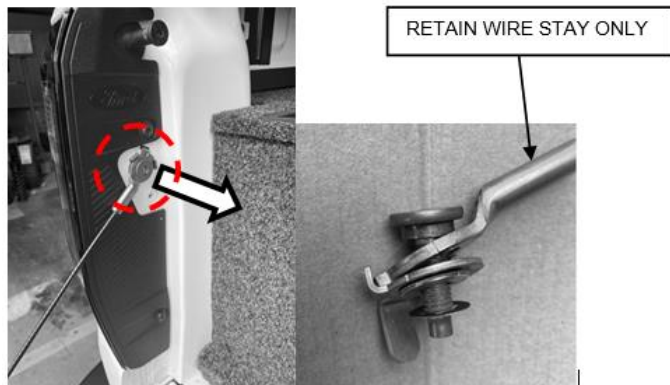
- 1.5) With a fine metal file or sand paper, dress any burs or jagged trimming edges that are apparent, leaving a continuous smooth trimmed edge.
- 1.6) Re-install Tail lamp and go to **Section 2** of this fitting instruction.

Section 2: FITTING LHS DAMPENER AND BRACKETS.

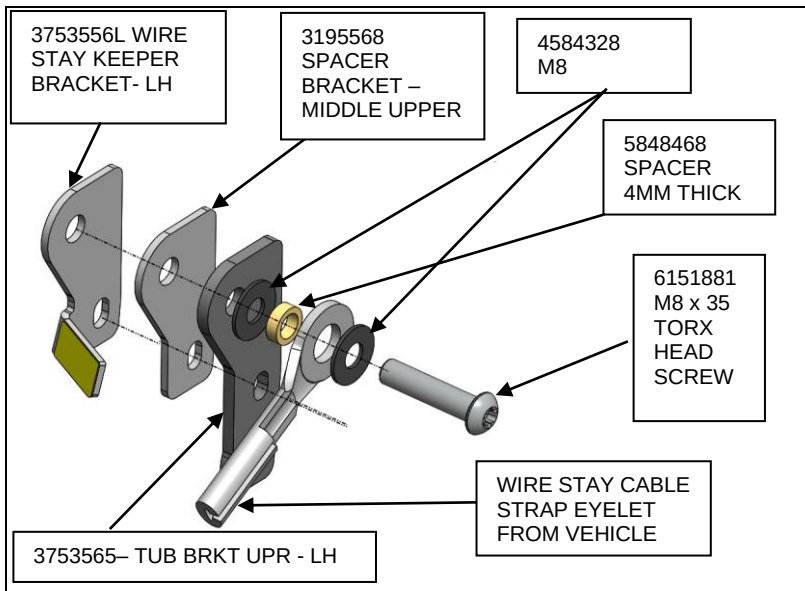
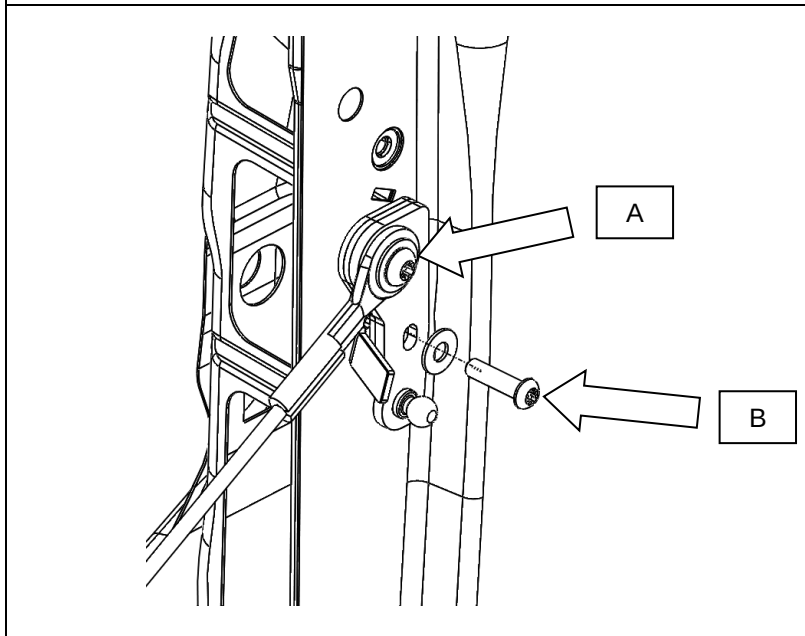
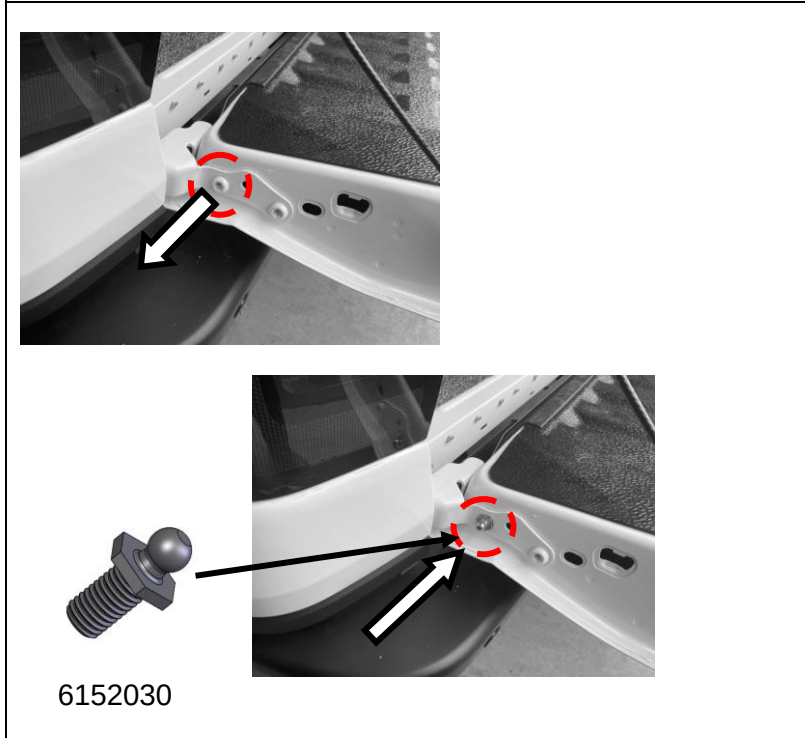


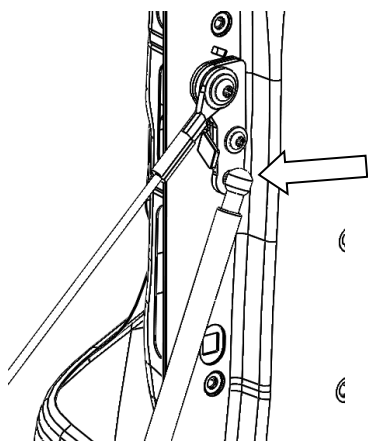
- 2.0) Use an alcohol wipe (6602018) to clean the outward facing tab face of (3753556L) wire stay keeper bracket, as shown.

Cut a piece from a single piece of (2125725) clear abrasions resistant sticker to suit the outward facing tab face of (3753556L) wire stay keeper bracket as shown. Ensure that piece does not hang over the edges of the bracket tabs.

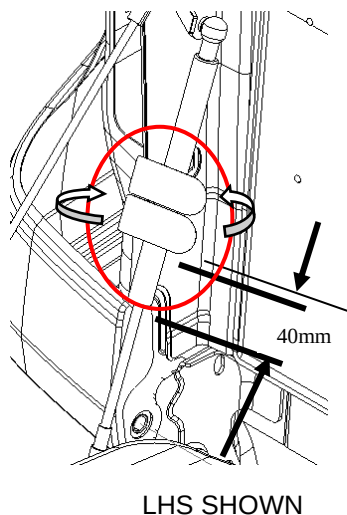


- 2.1) Remove Fastening hardware that retains the wire stay between the tub and the tailgate on left-hand side of tub. Discard all fasteners and retain wire stay only.

	2.2) As shown for the left-hand assembly, retrieve all brackets, fasteners and components required for the left-hand side assembly as shown. Pre-assemble this as shown onto the M8 x 35 Trox head screw (6151881).
	2.3) Loosely fit the above assembly into position on the left side of tub at (A) and then fit the lower portion at (B) with an (6151711) M6x25 Torx screw with (4584327) M6 washer as shown. Once both positions are assembled, fasten both Torx screws to correct torque: M6 bolts to 9Nm. M8 bolts to 20Nm.
	2.4) Remove M10 Torx bolt from the lower hinge bracket on the tailgate and replace it with M10 pivot ball (6152030) in kit. With a 17mm socket, fasten the pivot ball to required Torque of 22Nm.



2.5) Fit the (4590031) Dampener, **with the cylinder body at the top** to the upper ball stud on the bracket as shown to left-hand side of the vehicle's tub.



2.6) Clean the cylinder bodies of the dampening strut with an (6602018) alcohol wipe. Take (2125725) clear abrasion resistant stickers and apply two on Dampener (4590031), wrapping it around the diameter of cylinder body as shown in the area where the wire stay cables contact them during closing.



- 2.7) Re-check all newly installed fasteners, upper and lower pivot ball attachments are properly secured.
- 2.8) Test tailgate opening and closing to ensure it is working correctly.
- 2.9) Make sure there is no binding, no cables protruding from the gap between the vehicle's tub and the tailgate, and ensure there is no contact of the struts to the tailgate or vehicle body.