

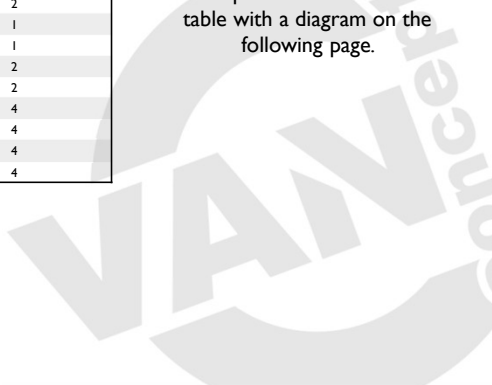
CRUX-0094

MERCEDES SPRINTER '18-

No.	Part No.	Description	Full Kit
1	SMW-0402 LH	Rear Door Gas Strut Van Mount - LH	1
2	SMW-0402 RH	Rear Door Gas Strut Van Mount - RH	1
3	SMW-0403	Rear Door Gas Strut Door Mount - LH	1
4	SMW-0404	Rear Door Gas Strut Door Mount - RH	1
5	M-0023	Rear Door Gas Strut Kit Spacer (Short)	2
6	M-0024	Rear Door Gas Strut Kit Spacer (Long)	2
7	C-0059	Fixed Force Gas Strut - 950mm	1
8	C-0061	Fixed Force Gas Strut - 900mm	1
9	Button Head Bolt	M6 x 25mm	2
10	Button Head Bolt	M6 x 30mm	2
11	Washer	M6	4
12	Washer	M8	4
13	Nylloc Nut	M8	4
14	Rivnut	M6 Flanged	4

What's in the box?

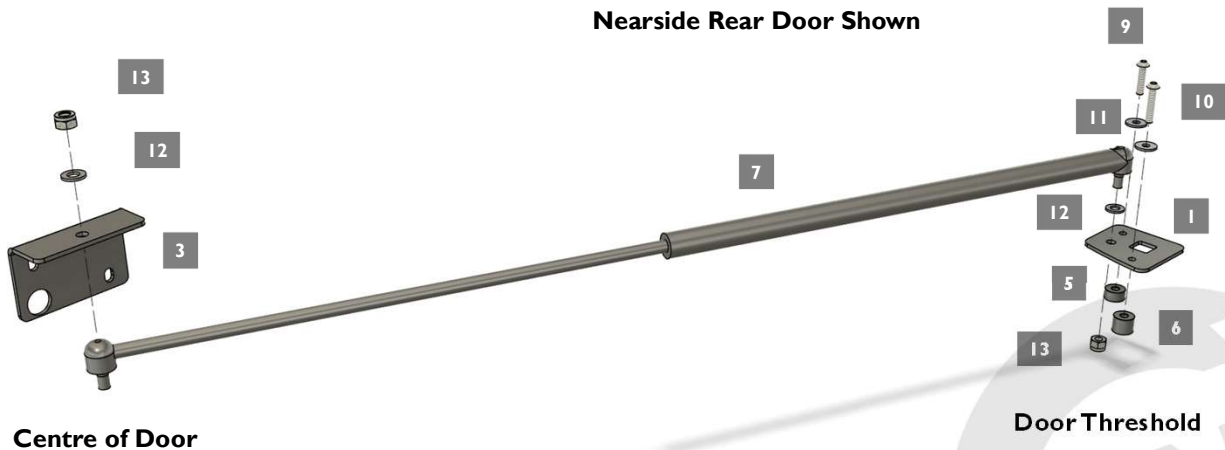
The various kit options and their parts are noted in the table with a diagram on the following page.



INSTRUCTIONS REAR DOOR GAS STRUTS



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- Offer up our mounting plate (item 2 - Rear Door Gas Strut Van Mount – RH) and position the square cutout around the plastic retaining clip of the right side of the door threshold.. *Note the orientation of the bracket, with the brushed face facing upwards and the straight edge parallel with the back of the floor.*
 - Use a marking device to mark a centre in the three holes in the plate.
- Repeat this on the other side of the door threshold trim using the remaining mounting plate (item 1).

INSTRUCTIONS REAR DOOR GAS STRUTS



- With 6x holes marked (3x either side) drill a pilot hole on each of the centre marks.
- Ensure the pilot hole makes a mark in the van metalwork underneath to locate the position for the next stage.

INSTRUCTIONS REAR DOOR GAS STRUTS



- On the rear door threshold trim, remove the square plastic clips by pulling them out with some long pliers and unclip the threshold.

INSTRUCTIONS REAR DOOR GAS STRUTS



- Remove the threshold trim from the van and open up all six holes to $\text{Ø}20\text{mm}$ (a step drill is ideal for this).

INSTRUCTIONS REAR DOOR GAS STRUTS

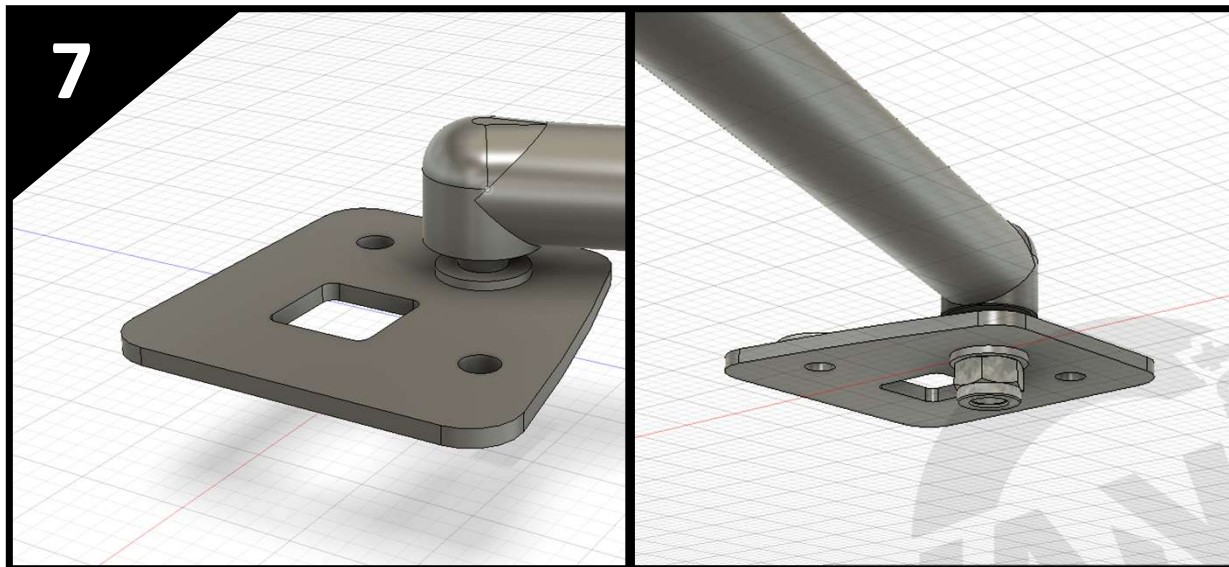


- With 6x holes marked (3x either side) drill a pilot hole through the two outer holes using the centre marks.
- Open these 4x holes (2x either side) up to $\varnothing 9\text{mm}$. De-burr the hole, apply some primer and fit one M6 rivnut (item 14) to each hole.

INSTRUCTIONS REAR DOOR GAS STRUTS



- Re-fit the rear door threshold trim using the original plastic clips.
- Position the longer spacer (item 6) in the hole with the green arrow and the shorter spacer (item 5) in the hole with the orange arrow.
 - Do this for both sides of the van.



- Take the mounting plates and fit the larger diameter end of the gas strut through the largest hole in the plates. Fit one M8 washer (item 10) onto the threaded stud of the strut before fitting through the hole and securely tighten with a M8 Nyloc Nut (item 13) on the underside (*the non-brushed face*).
 - Offside side shown above, with the **shorter** Gas Strut.

INSTRUCTIONS REAR DOOR GAS STRUTS

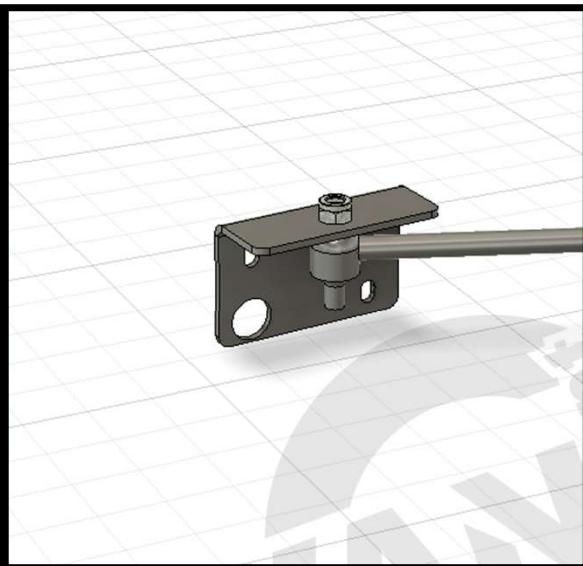


- Use one M6 washer and one M6 x 25mm Button Head Bolt in the hole with the shorter spacer and one M6 x 30mm Button Head Bolt in the hole with the longer spacer.
 - Repeat this to fit the assembly on the other side of the van, with the **longer** gas strut.
- The M8 Nyloc Nut on the end of the gas strut fitting will sit in the remaining hole that was cut into the trim.*

INSTRUCTIONS REAR DOOR GAS STRUTS



- On the centre of the offside door, remove the two Torx bolts that mount the door catch, position the Rear Door Gas Strut Door Mount (item 4) in place and re-fit the two Torx bolts, securing the Gas Strut Mounting Plate in place.
- With the bracket fitted, fit the end of the gas strut through the mounting hole in the bracket from the underside, with one M8 washer on top of the plate and one M8 Nyloc Nut securely tightening in place.



- On the centre of the nearside door, remove the two Torx bolts that mount the door catch, position the Rear Door Gas Strut Door Mount (item 3) in place and re-fit the two Torx bolts, securing the Gas Strut Mounting Plate in place.
- With the bracket fitted, fit the end of the gas strut through the mounting hole in the bracket from the underside, with one M8 washer on top of the plate and one M8 Nyloc Nut securely tightening in place.



- The Gas Strut Kit is now fully installed. Ensure the door opens and closing correctly.
Remove the OEM door restraints if fitted.

This product has been tested with the additional weight of one our ladder/wheel carriers with a wheel on.