DRIVERITE

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DR.02.014737

FORD RANGER, VW AMAROK
All Variants
P703, MY22

INSTALLATION INSTRUCTIONS







Introduction

The purpose of this publication is to assist with the installation of the Drive-Rite Semi-Air suspension kit

It is important to read and understand the entire installation guide before beginning installation or performing any maintenance, service or repair. The information here includes a hardware list and step-by-step installation information.

Drive-Rite reserves the right to make changes and improvements to its products and publications at any time. Contact Drive-Rite at +353 1 8612 632 or visit us online at www.driveriteair.com for the latest version of this manual.

Important Safety Notice

- The installation of this kit does not alter the Gross Vehicle Weight Rating (GVWR) or payload
 of the vehicle.
- Check your vehicle's owner's manual and do not exceed the maximum load listed for your vehicle.
- This kit should not be used to carry any greater load than manufacturers stated GVW.
- When the kit has been installed, please ensure there is adequate clearance (25mm) around the airspring so the airspring does not come in contact with any other parts.

Precautions

Never exceed the maximum and minimum recommended pressure limits:

Minimum PressureMaximum PressureT Bar (14.5 p.s.i)7 Bar (100 p.s.i)

NEVER DRIVE WITH DEFLATED AIRSPRINGS

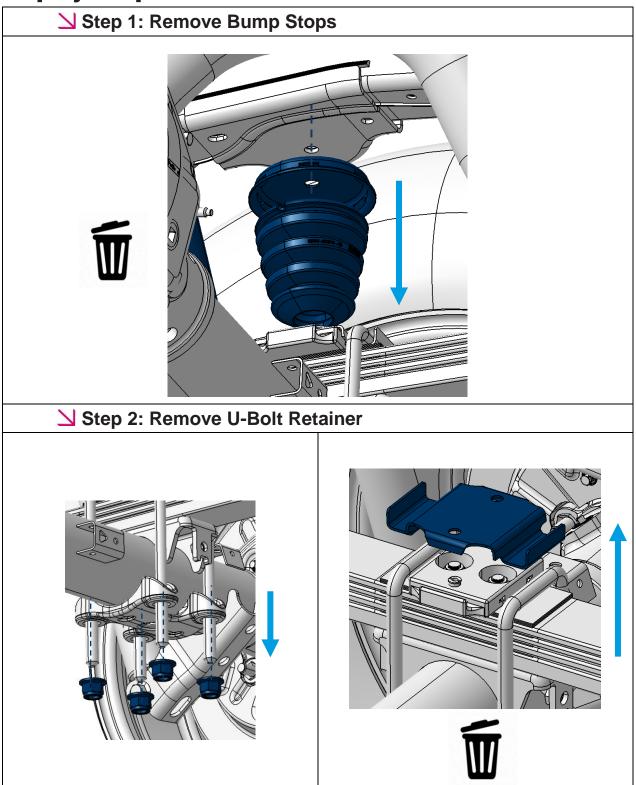


Kit Contents

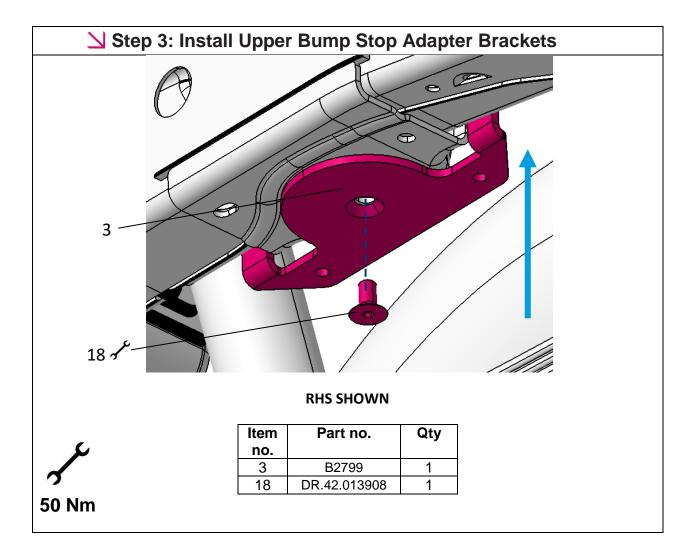
Item Number	Part number	Item Name	Thumbnail	Quantity			
1.	DR.07.016401	224C AIR SPRING COMBO STUD		2			
2.	B2798	Upper Airbag Adaptor		2			
3.	B2799	Upper Bump Stop Adaptor		2			
4.	B2800	Lower Bracket		2			
5.	B2801	Handbrake Spacer Bracket		2			
6.	DR.45.019037	CABLE TIES		10			
7.	DR.41.013660	6MM INFLATION VALVE-PTC		2			
8.	DR.46.1364-1MB	6MM DRIVE-RITE TUBING-BLACK		5.5			
9.	DR.41.010625	1/4 NPTF - 6mm straight		2			
10.	DR.45.010091	5/16" x 3/4" OD Flat Washer - Stainless Steel		4			
11.	DR.41.016034	3/8" unc x 3/4" Csk Allen Head Bolt - Gr8.8 Zinc		2			
12.	DR.43.013295	3/4" unf Hex Nut		2			
13.	DR.44.013064	3/4" Star Washer		2			
14.	DR.42.013855	M8 x 80mm Hex Bolt - Gr8.8 Zinc		2			
15.	-	M8 x 25mm Button Head Cap Screw		4			
16.	DR.41.034258	M8 x 1.25 Flanged Nyloc Nut		4			
17.	DR.44.010007	M8 x 16mm OD Flat Washer - Gr8.8		2			
18.	DR.42.013908	M10 x 1.5 x 40mm Csk Allen Head		2			
19.	DR.50.010488	DRIVERITE SEMI AIR BOX		1			
20.	DR.51.016000	SEMI AIR USER MANUAL		1			
21.	DR.50.019347	DRIVERITE DOCUMENTATION POUCH		1			



Step by Step Installation

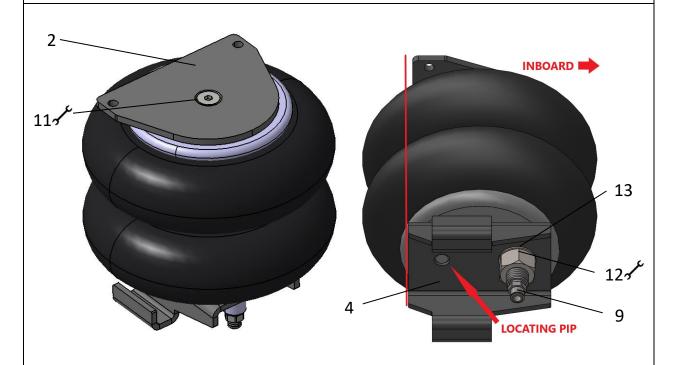








≥ Step 4: Air Spring Assembly



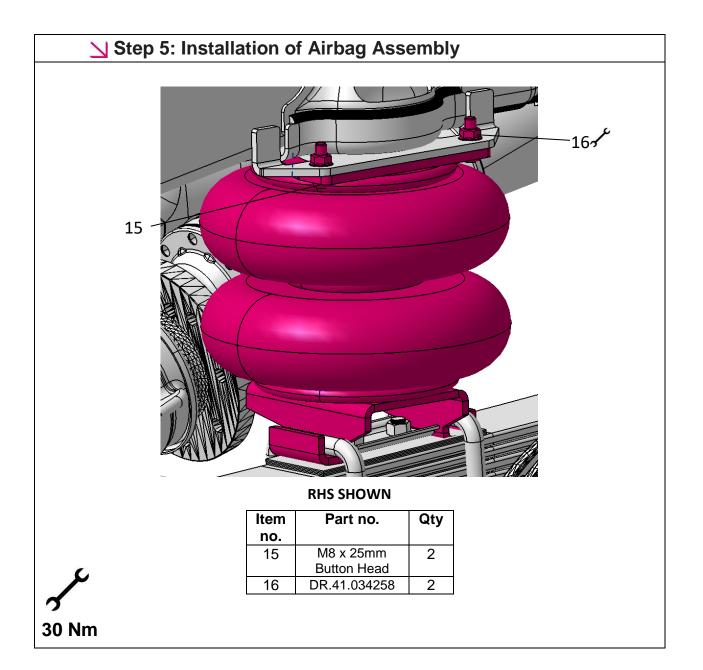
Item	Part no.	Qty
no.		
2	B2798	1
4	B2800	1
9	DR.41.010625	1
11	DR.41.016034	1
12	DR.43.013295	1
13	DR.44.013064	1



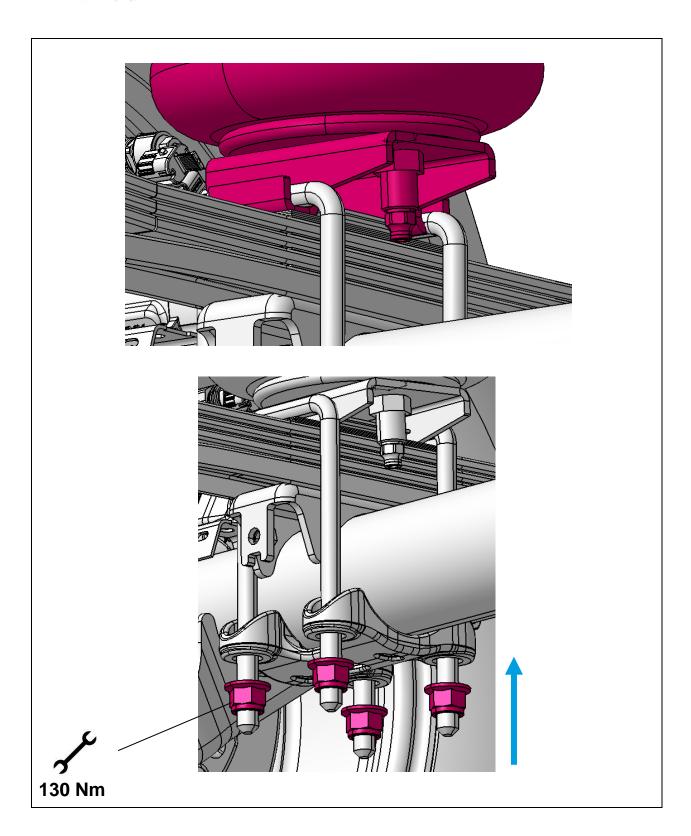
11 = **20 Nm**

12 = **55 Nm**







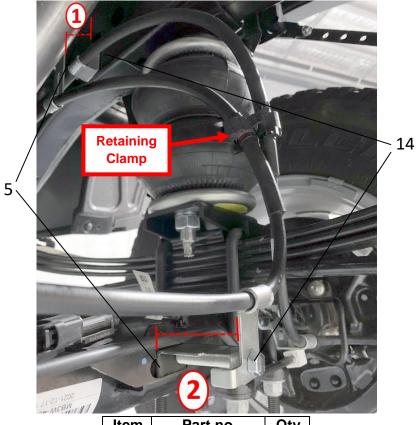




≥ Manual Handbrake Spacer Brackets (If Applicable)

If vehicle is supplied with a manual handbrake, these steps must be followed.

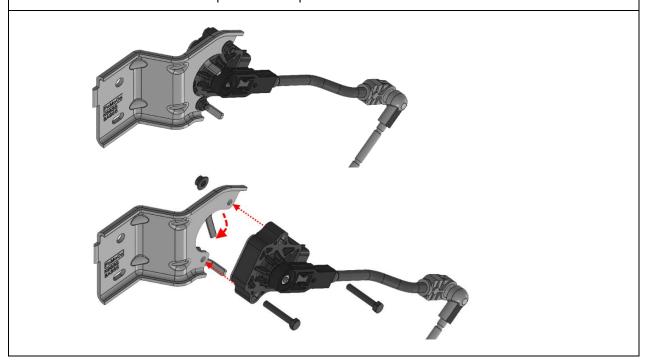
RHS of Vehicle



Item	Part no.	Qty
no.		
5	B2801	2
14	DR 42 013855	2



If the vehicle is equipped with headlight level sensors, the sensor must be offset to the other side of the sensor bracket to provide adequate clearance.





Nouting Air Tubing

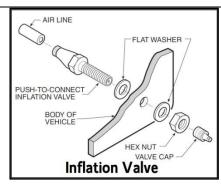
- Cut tubing to connect Airspring to valve for both sides
- Separate inflation valves can be used per side.
- When using single inflation valve use T connector
- Use nylon cable ties to secure tubing.



- To avoid leakage, do not cut tube at an angle
- Use appropriate tube cutter or sharp blade



- Drill 8 mm hole for inflation valve.
- Insert valve and secure with washer and nut
- Insert air tubing into the valve



Special Instructions for Air Connections

- To cut the tubing correctly an appropriate cutter must be used (not scissors)
- When inserting the tubing into the connection, it must be pushed in approximately 14mm until a 'click' is heard.
- To remove the tube, you must push the flange in on the connection and at the same time pull the tube. (No tool is necessary.)
- When a tube is removed always trim 14mm from the end before reconnection.
- It is advisable that a sealant be used on the threaded fittings.
- Attach all tubing securely to the underneath of the vehicle using nylon ties.
- Do not attach to brake lines.
- Protect the tube with the sleeves provided where there are any sharp edges or sources of heat.
- Ensure all fittings are fastened to recommended torque.

EXAMINATION:

After assembly, inflate air springs and check all mounting bolts are tight. Screw all connections tight again. It must be ensured that the mounting brackets cannot move. If the plates touch the brake hose at the air springs, then these must be moved by suitable means.