

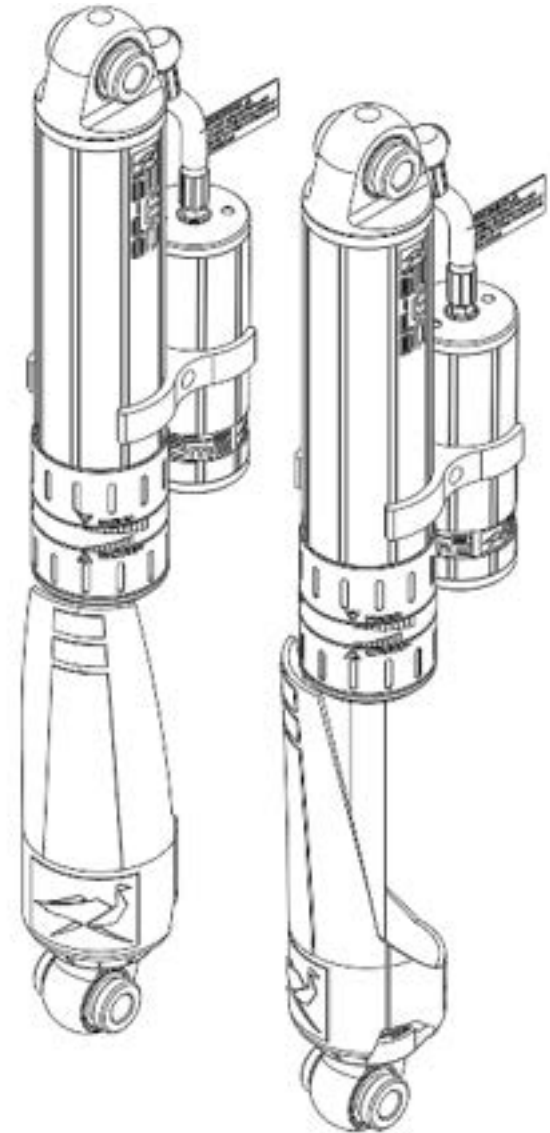
FITTING INSTRUCTIONS

BP5160074L/R INEOS GRENADIER REAR

WARNING

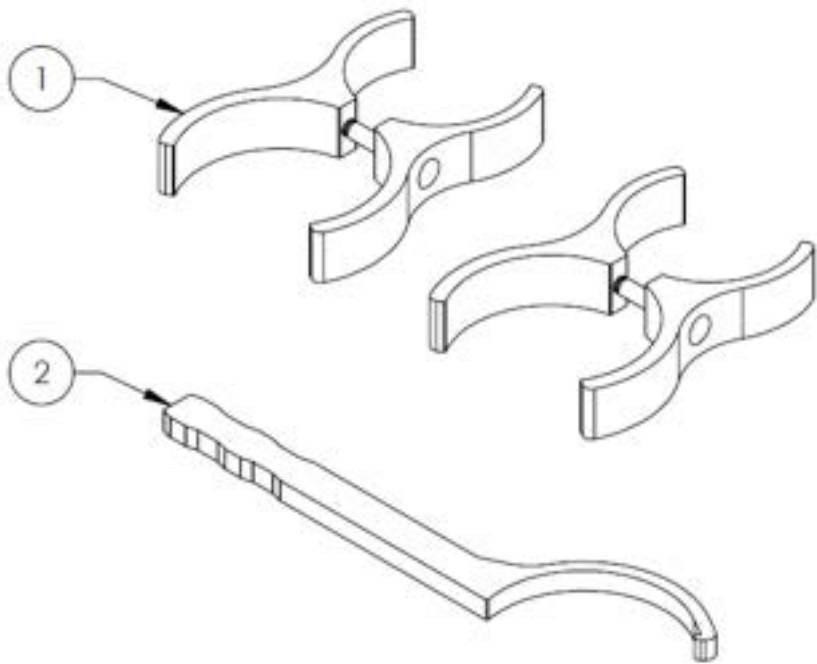
- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any suspension component, contact your nearest authorised ARB stockist. Repairs or modifications to the suspension system components must not be attempted.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels from suspension components.
- ◆ This product or its fixing must not be modified in any way.
- ◆ The installation of this product may require the use of specialized tools and/or techniques
- ◆ It is recommended that this product is only installed by trained personnel
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components
- ◆ Work safely at all times

Note: These fitting instructions should be read in conjunction with the vehicle workshop manual.



FITTING KIT CONTENTS – VM80010104

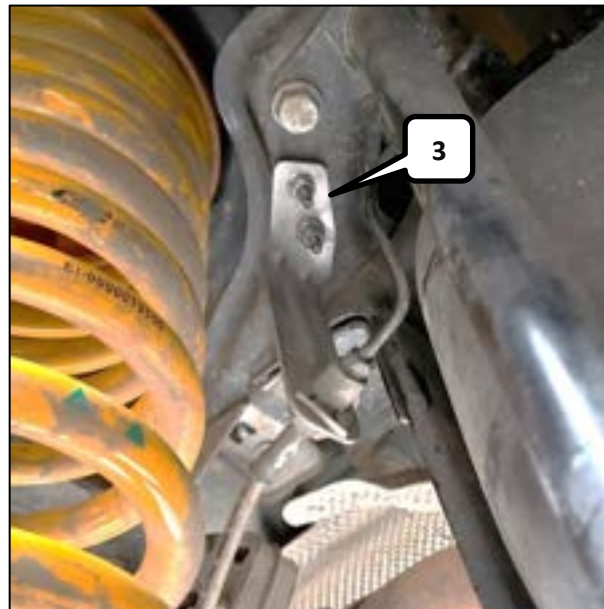
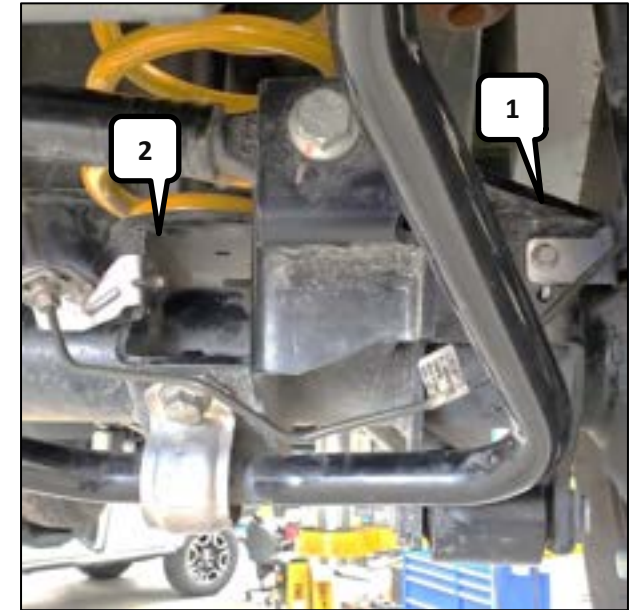
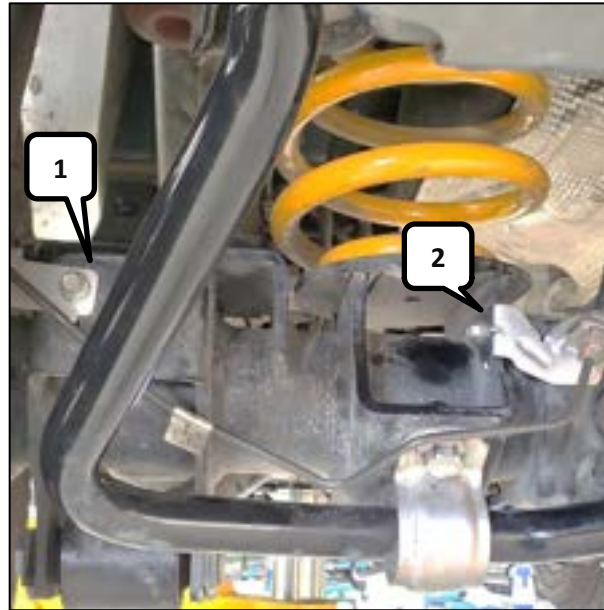
Item	Part Number	Description	Qty.
1	VM20010001	ASSEMBLY: PIGGYBACK RESI MOUNT	2
2	VC10010071	ADJUSTER TOOL	1



VEHICLE PREPARATION

Remove the following to avoid damage during installation of the BP-51's and coil springs.

1. Hard brake line mount rear of diff.
2. Hard to flexible brake line mount rear of diff.
3. Hard to flexible brake line mount on rear RHS chassis.
4. Rear sway bar links (to allow enough droop travel to remove coil springs).



SECURING SHAFT GUARDS

The shaft guards are designed to protect the shaft from stones thrown from the front wheels and are mounted to the front side of the damper.

It is easiest to secure the shaft guards before the dampers are fitted to the vehicle.

1. Fit the two retainers to the eyelet as shown. Note the orientation.

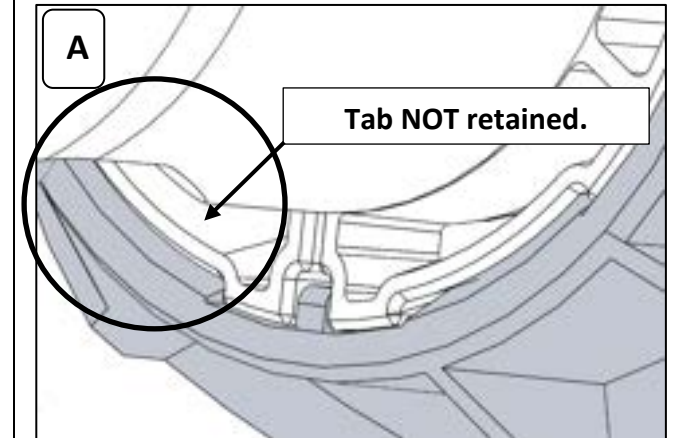
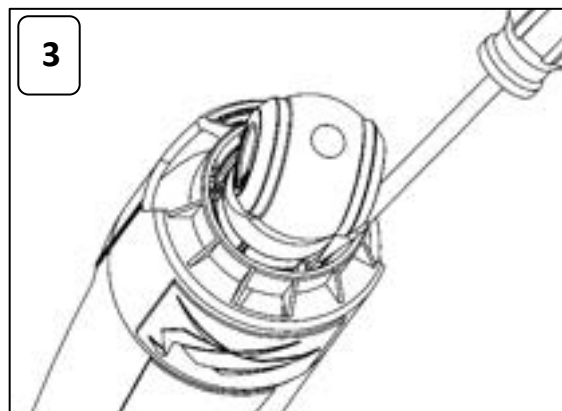
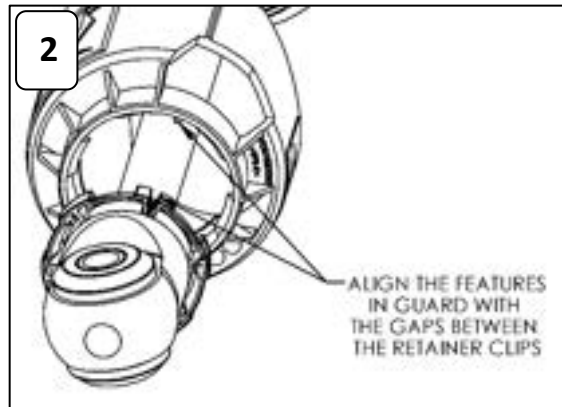
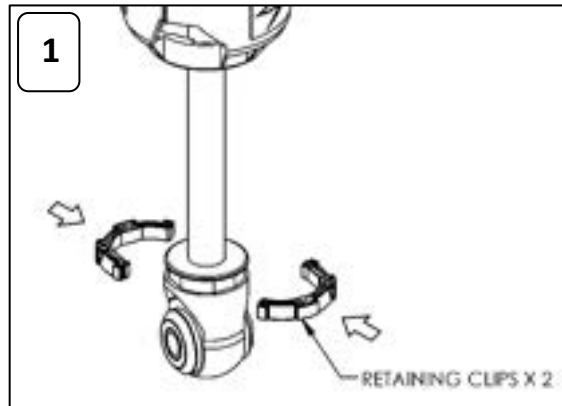
Note: For the Grenadier rear BP-51 shocks, fit the **GREEN** retainer clips to the LHS and **GREY** retainer clips to the RHS.



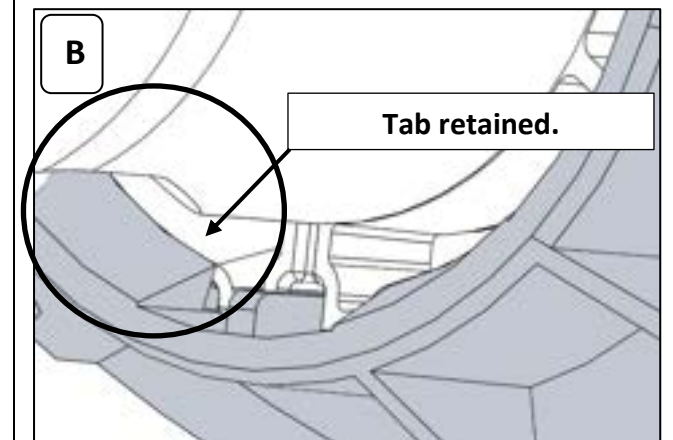
2. There are features on the shaft guard that locate in the gaps between the two retainers. Align the guard with these gaps and firmly pull the shaft guard down over the retainers to secure in place.

3. Check retainers are completely secured by guard. Use a flat blade screwdriver to poke retainers under tabs on guard if required. Refer to pictures (A) and (B) for correct fitment.

IMPORTANT: Ensure ALL tabs are fully retained.



IMPORTANT: Ensure ALL tabs are fully retained

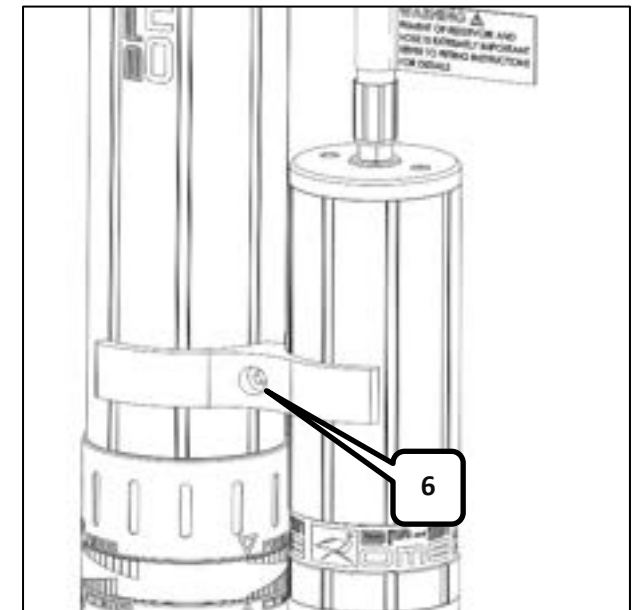
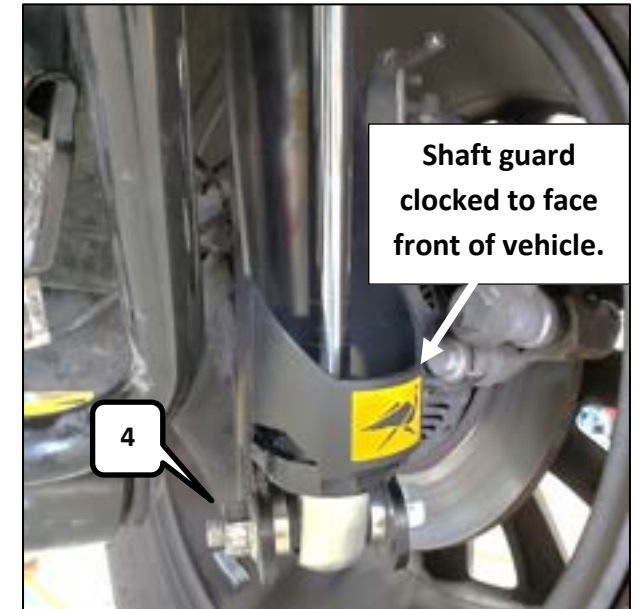
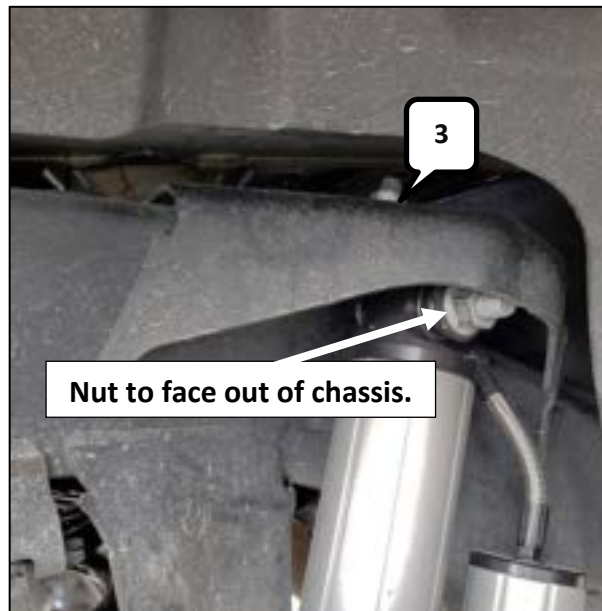
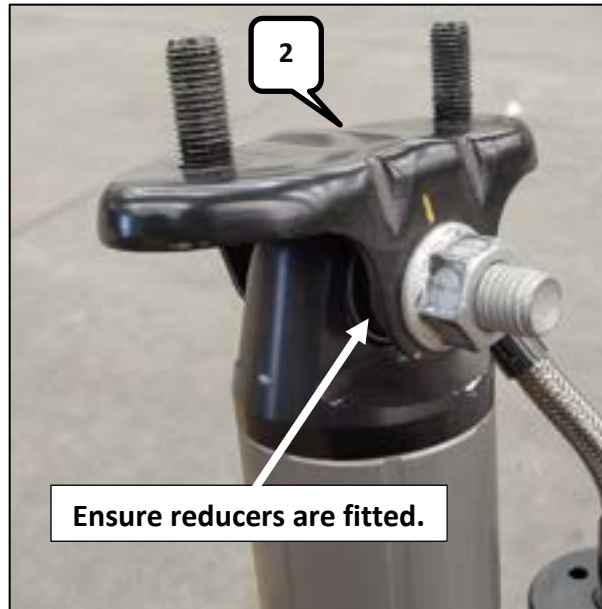


REAR SHOCK INSTALLTION

1. Remove the OE shocks. Retain OE top mount, top and bottom fasteners for re-use.
2. Fit the OE top mount to the BP-51 shock as shown. Ensure reducers supplied with shock are fitted. **Note:** On the top mount, the nut side will have to face out of the chassis to be able to fit the mount. Torque upper bolt to manufacturer spec.
3. Install shock top mount to chassis and torque upper mount nuts to manufacturer specification.
4. Fit lower shock mount such that the eyelet spaces the shaft guard away from mount bracket. Ensure reducers supplied are fitted. Clock the shaft guard such that it faces the front of the vehicle. Torque lower shock bolt to manufacturer specification once vehicle is on the ground.

RESERVOIR MOUNTING SEQUENCE

5. Fit the piggyback reservoir clamp to the main body and position around the centre of the reservoir.
6. Align the reservoir with the main body ensuring clearance from chassis and tighten bolt to **12Nm**.



DAMPING ADJUSTMENT

These dampers have been set in the factory to be used for a vehicle with certain load.

If your load or accessory fitment differs, use the table below as a guide for recommended compression and rebound adjuster settings.

Rear Pay Load (kg)	Compression	Rebound
0 - 200	1-4	3-5
200 - 400	3-7	4-7
400 +	6-10	6-10

SPARE PARTS

Refer to Service & Parts Manual section:

- See **BP-51 S&P 3.1_BP5160074**

