

FITTING INSTRUCTIONS

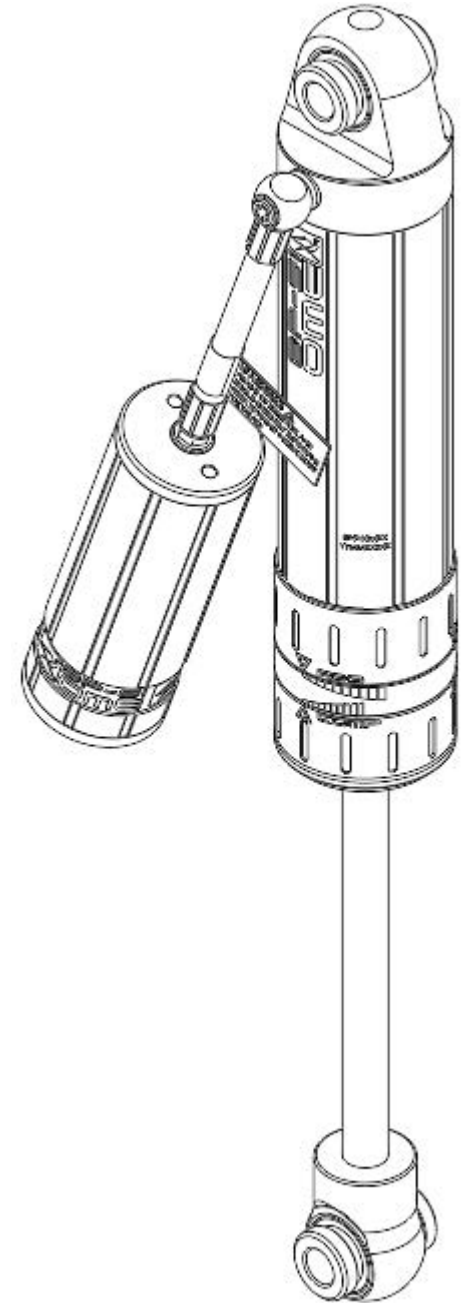
BP5160073

INEOS GRENADIER FRONT

WARNING

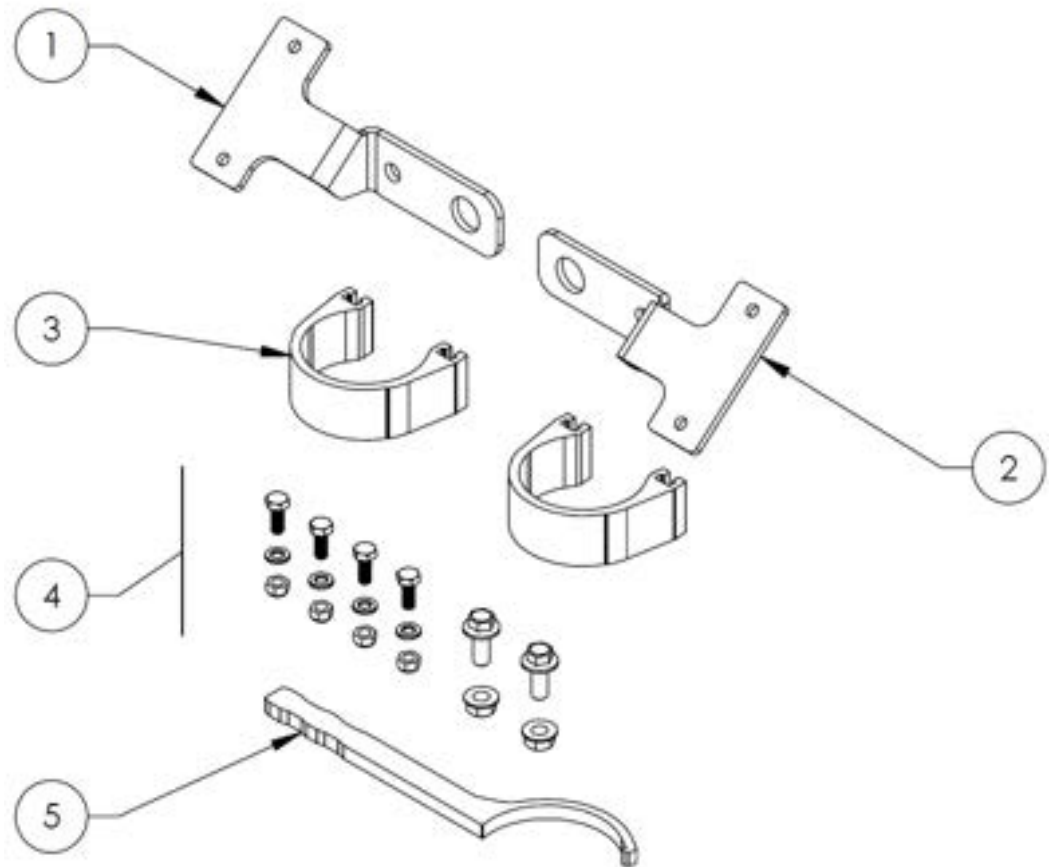
- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any suspension component, contact your nearest authorised ARB stockist. Repairs or modifications to the suspension system components must not be attempted.
- ◆ Do not use 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 – VM80010103

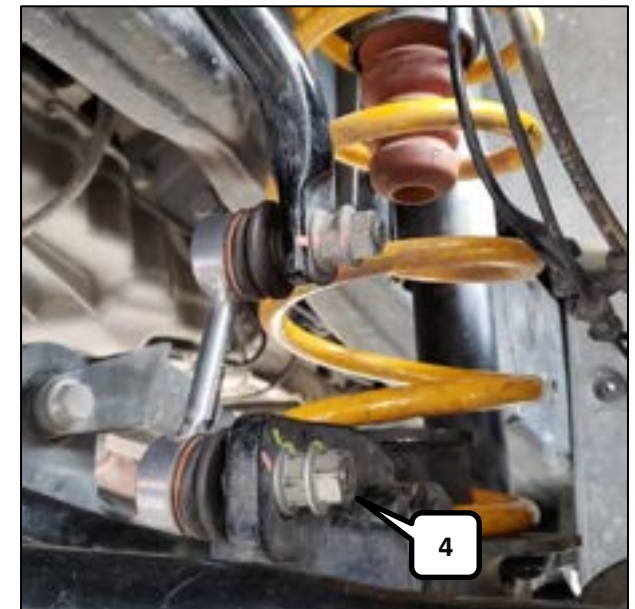
Item	Part Number	Description	Qty.
1	VE10020059L	BRKT RESI GRENADIER FR LH	1
2	VE10020059R	BRKT RESI GRENADIER FR RH	1
3	VE10010003	MOUNT: RESERVOIR CLAMP	2
4	VM60010057	BP51 FASTENER KIT	1
4.1	VD60030003	M6 BOLT	4
4.2	VE70020005	M6 WASHER	4
4.3	6151223	M6 NUT HEX NYLOC	4
4.4	6151730	M8 BOLT HXHD FLANGE	2
4.5	6151548	M8 NUT FLANGE	2
5	VC10010071	ADJUSTER TOOL	1



VEHICLE PREPARATION

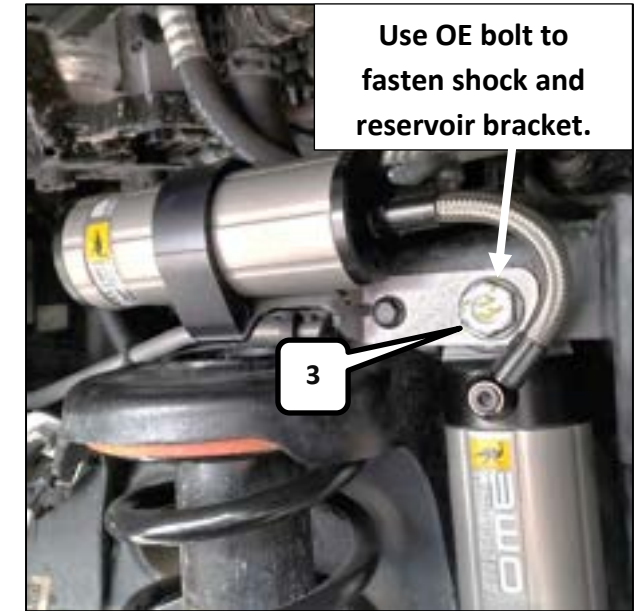
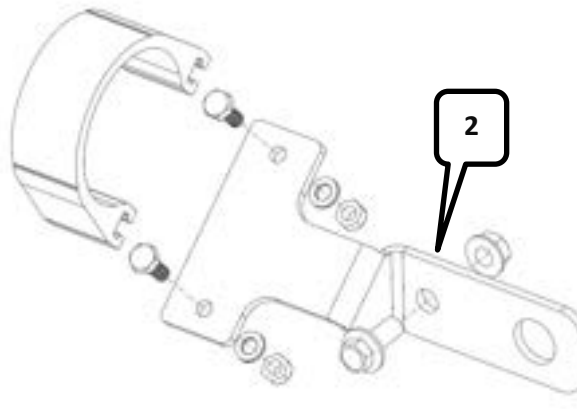
Remove the following to avoid damage during installation of the BP-51's and coil springs.

1. Remove fender liner by removing wheel arch trim. This will need to be trimmed later to accommodate the reservoir.
2. Flexible to hard brake line mount on top coil spring mounting on chassis. LH and RH.
3. Flexible brake line mount on top of front diff. LH and RH.
4. Front sway bar links (to allow enough droop travel to remove coil springs).



FRONT SHOCK AND RESERVOIR BRACKET INSTALLTION

1. Remove the OE shocks and retain fasteners for re-use.
2. Loosely mount the reservoir mounting clamps onto the reservoir bracket with M6 bolts, washers and nuts provided. The reservoir bracket will have to be fit into place before installing the BP-51 shock. Install the bracket with M8 bolt and nut provided in the kit.
3. Fit the BP-51 shock using the top OE bolt and clamp the reservoir bracket and shock together. Insert reservoir into clamp and adjust position to keep hose free. Tighten nuts to 12Nm.
4. Fit lower shock mount to diff and use OE fasteners. **Ensure reducers are installed on top and bottom bushes.**
5. Torque shock bolts to manufacturer's specifications once vehicle is on the ground.



FENDER LINER TRIMMING

1. Mark fender liner as required to clear the reservoir and reservoir hose. An example is shown in image.
2. Test fit fender liner to check if marked line is sufficient.
3. Cut the fender liner and ensure to deburr and round the edges post cut so that a high-quality finish is achieved.



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.

Front Accessories	Compression	Rebound
No accessories	0-2	2-4
Bar only	1-4	3-6
Bar & Winch	3-6	5-7

SPARE PARTS

Refer to Service & Parts Manual section:

- See **BP-51 S&P 3.1_BP5160073**

