

FITTING INSTRUCTIONS

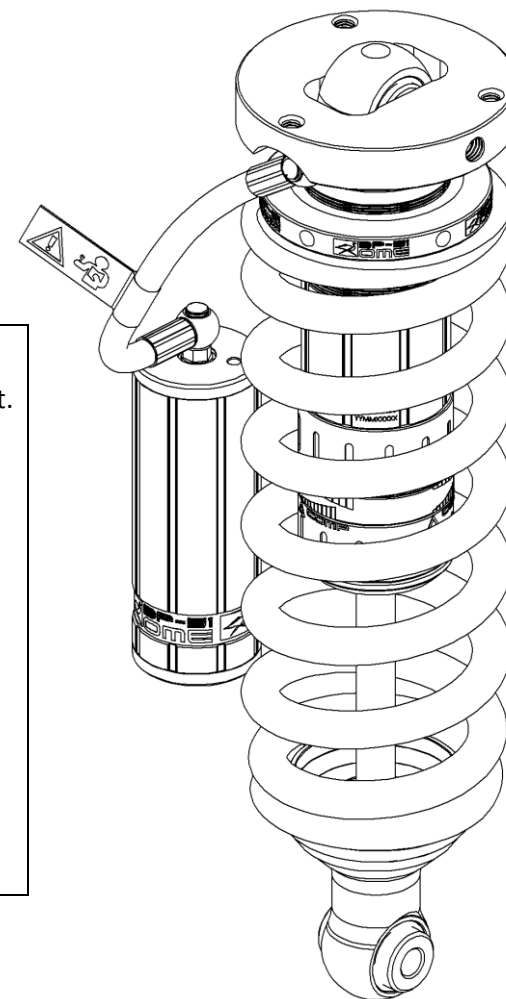
BP5190008L & BP5190008R

NISSAN Y62 PATROL FRONT

WARNING

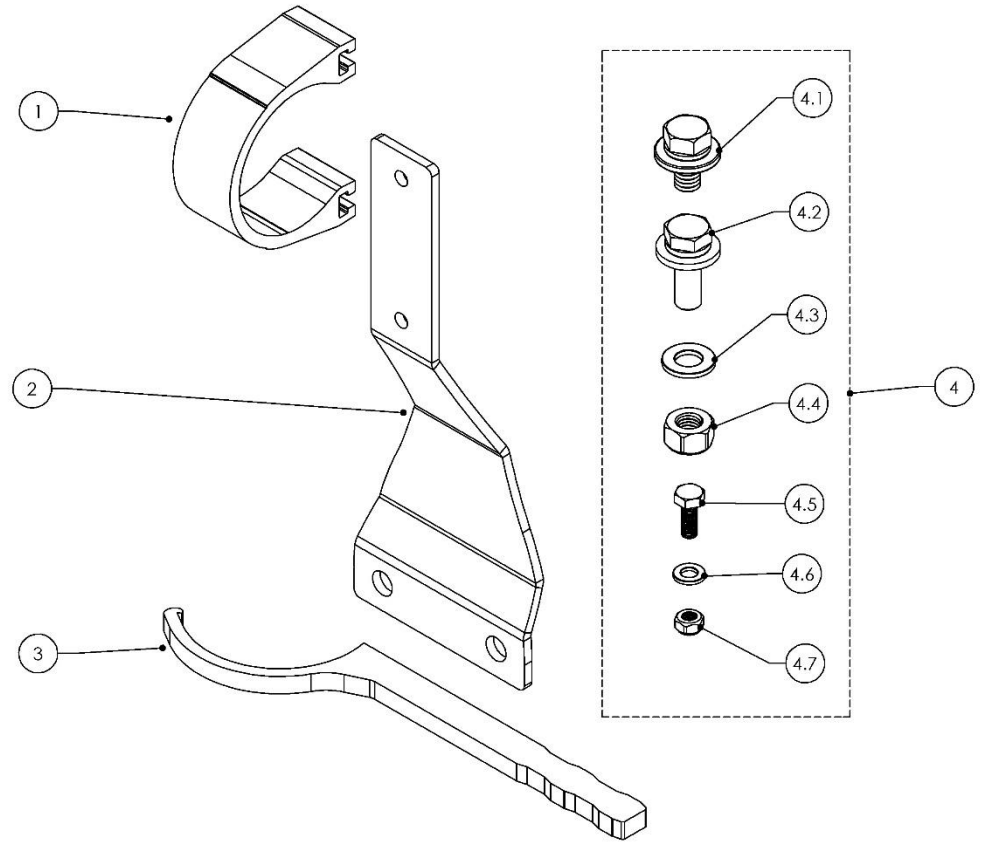
- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any suspension component, contact your nearest authorised ARB stockist. Repairs or modifications to the suspension system components must not be attempted.
- ◆ Do not use 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 AND SPARE PARTS – VM80010020

Item	Description	Qty.	Part No.
1	RESERVOIR CLAMP	2	VE10010003
2	Y62 RESERVOIR BRACKET	2	VE10020021
3	ADJUSTER TOOL	1	VC10010071
4	Y62 FASTENER KIT FRONT	1	VM60010009
4.1	M10 X 1.5 X 20MM BOLT KIT	2	VD60030006
4.2	M10 X 1.5 X 30MM BOLT KIT	4	6151555
4.3	M10 WASHER	4	VE70020003
4.4	M10 NYLOCK NUT	4	VD60010005
4.5	M6 X 16MM BOLT	4	VD60030003
4.6	M6 WASHER	4	VE70020005
4.7	M6 NYLOCK NUT	4	VD60010003



DAMPER PREPARATION

Before fitment the spring preload may need to be adjusted to suit your front accessory fitment and desired ride height.

Use workshop tool kit **VM80020001** to aid spring adjustment.

The spring preload is set at the factory to 5mm as shown by the diagram.

This aims to achieve 40-50mm increase in ride height over OE when no front accessories are fitted.

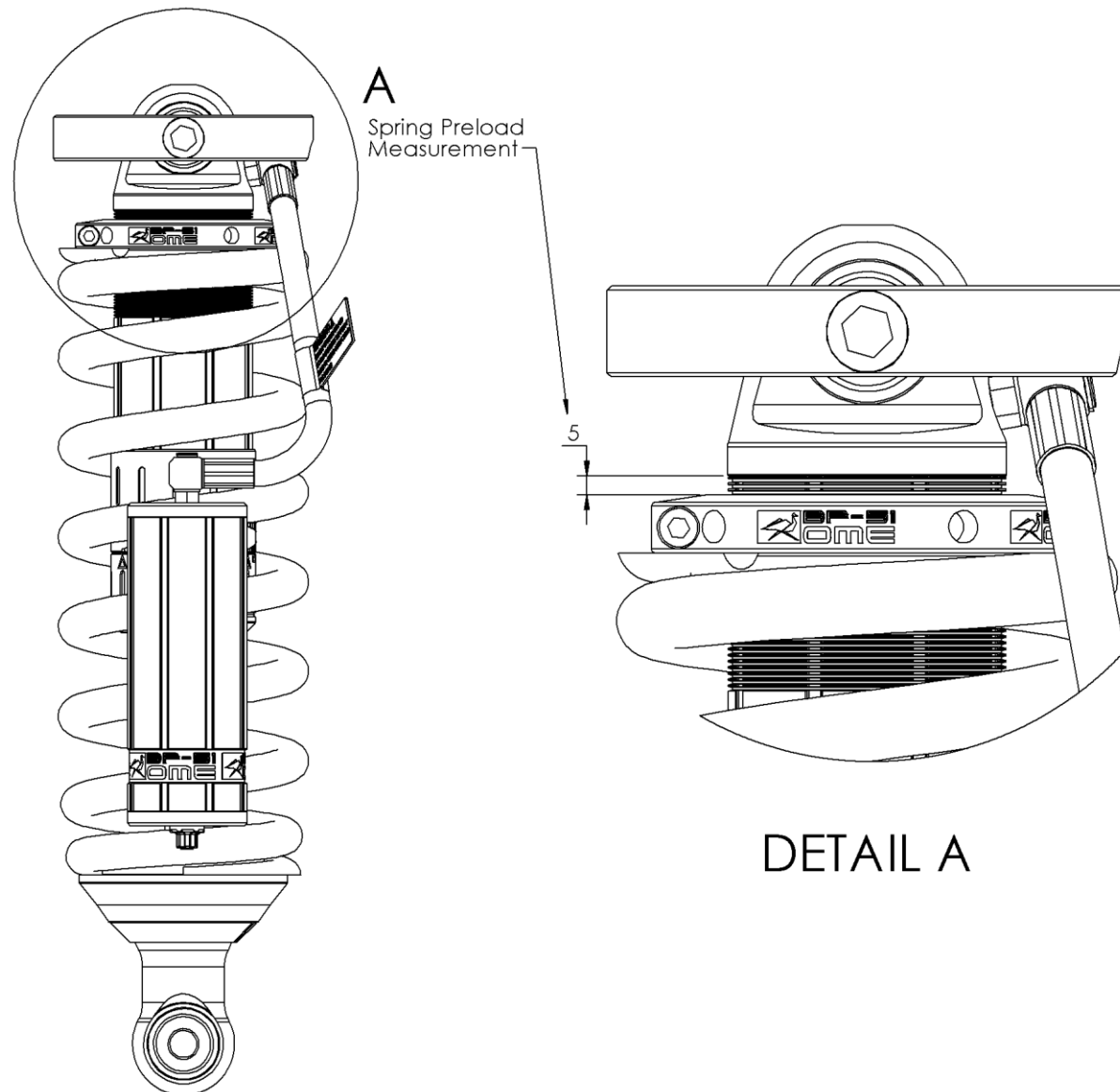
It's required to set the preload before the strut assembly is fitted to the vehicle. Use a spring compressor to compress the spring, loosen the pinch bolt on the preload ring and adjust to the desired setting. Tighten the pinch bolt and remove the strut assembly from the spring compressor.

As a guide, set the preload as specified below to achieve 40-50mm lift over OE.

<u>Front accessories</u>	<u>Preload</u>
No accessories	5 mm
Bar only	15 mm
Bar & winch	20 mm

Spring preload must only be adjusted when a spring compressor is used to take load off the preload ring.

DO NOT attempt to adjust preload with load on the spring when fitted to the vehicle.



DAMPER MOUNTING SEQUENCE

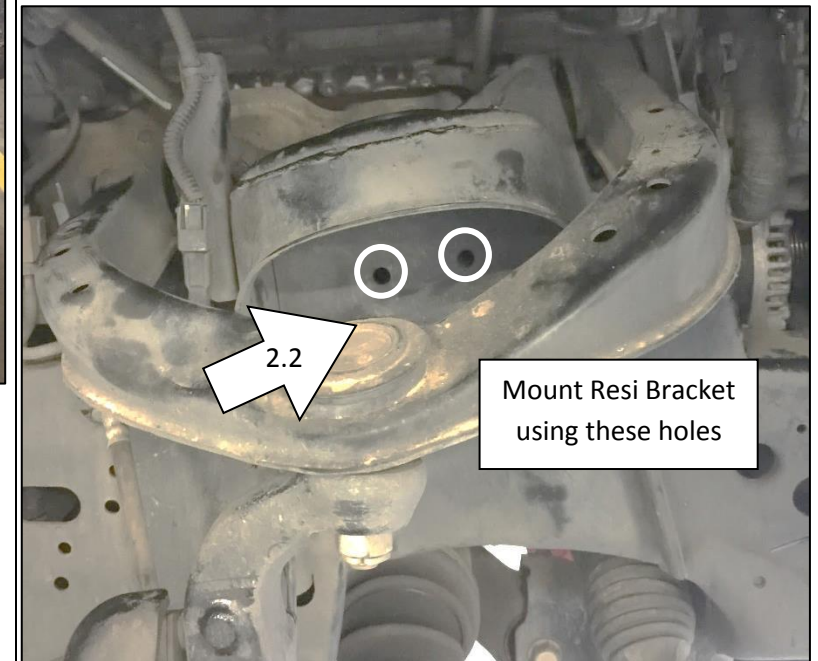
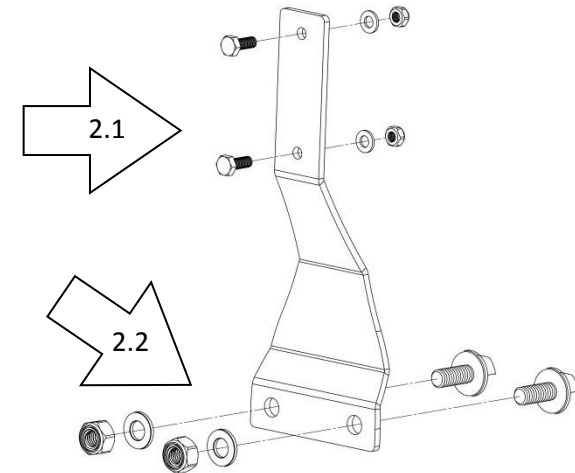
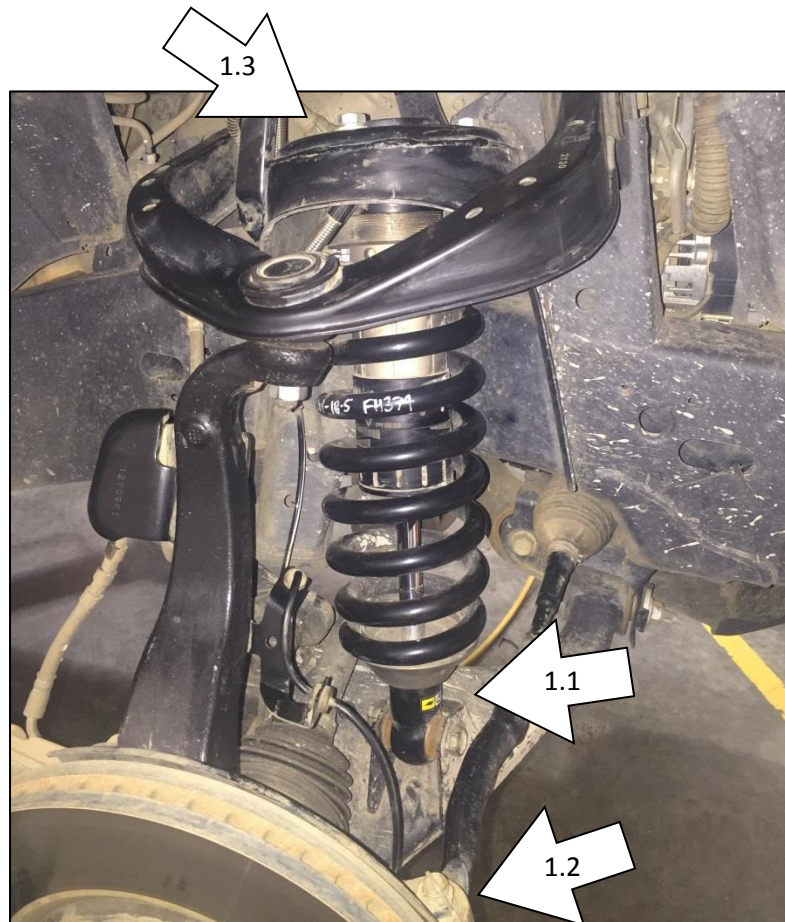
1. Remove old dampers from vehicle.
2. Install Resi Brackets.
3. Install BP-51 Struts
4. Mount Resi

1. Removing old dampers.

- 1.1 Remove lower strut bolt.
- 1.2 Disconnect steering tie rod ball joint.
- 1.3 Remove top mount x3 nuts.

2. Install Resi Brackets.

- 2.1 Fit M6 hardware to resi mounting bracket as shown with washers fitted on the nut side. Secure finger tight only.
- 2.2 Fit the resi mounting bracket VE20010021SP, slide it behind the front spring tower, then fix using the two holes shown. Use supplied M10x30 bolts, M10 flat washer and M10 Nyloc nut to secure the bracket. Tighten securely.



3. Install BP-51 Struts

3.1 IMPORTANT: Fix the top mount with the new M10 x20 and M10 x 30 hardware supplied in the specific orientation as shown by diagram. Secure finger tight.

3.2 Loosen ABS lines.

3.3 Disconnect upper control arm ball joint.

3.4 Push upwards on the upper control arm feeding the resi above the strut top mount. (see picture) When mounted in the vehicle the hose and reservoir should be above the top mount the front.

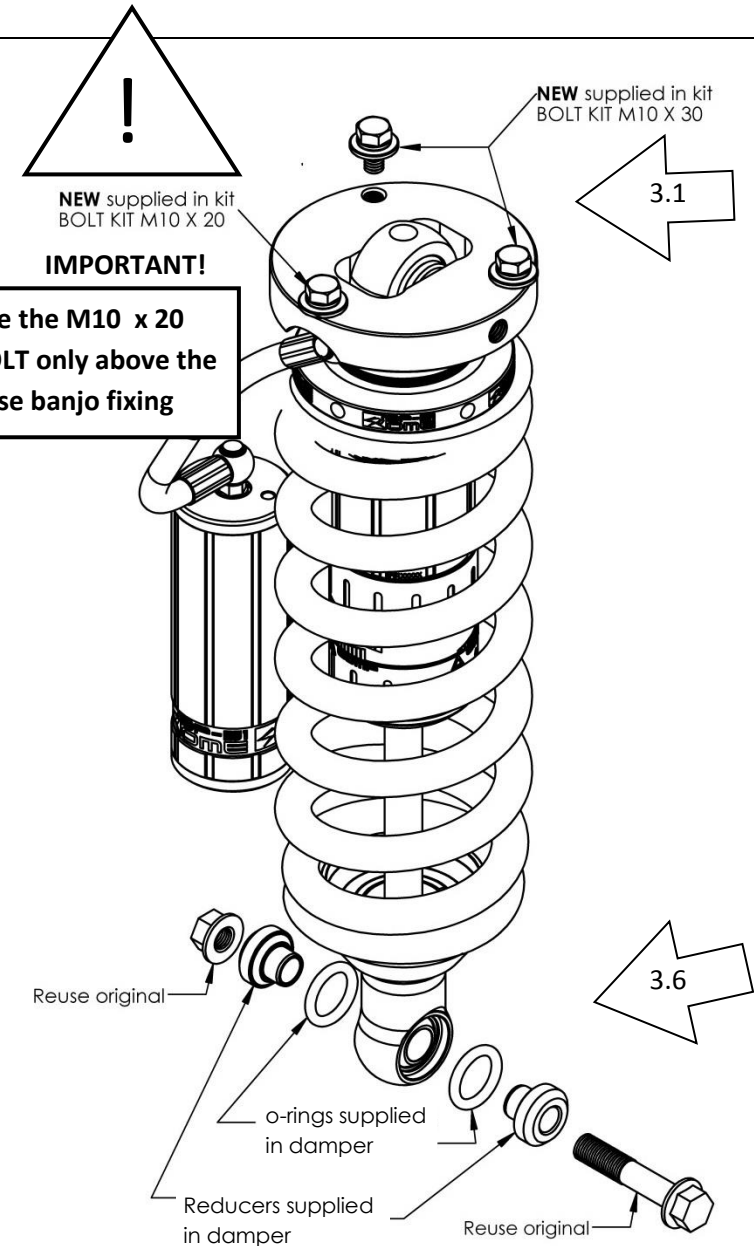
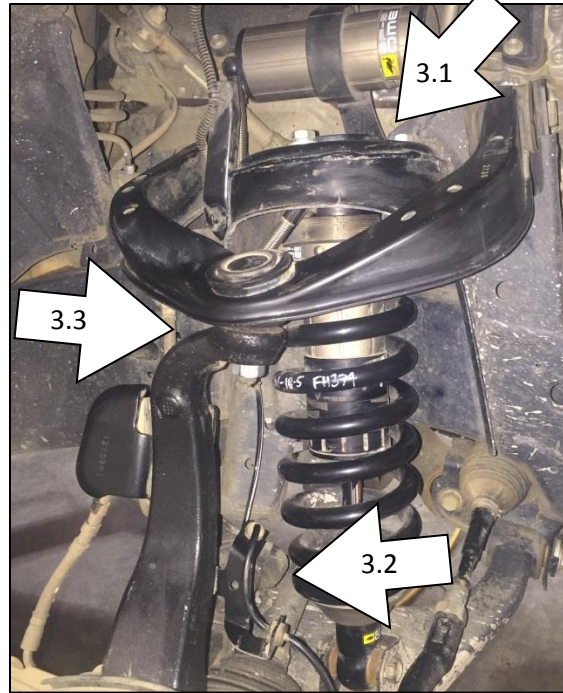
3.5 Reattach upper control arm and then ABS lines.

3.6 Fit bottom mount to arm using OE bolt.

3.7 Reattach steering tie rod ball joint.

Torque all fasteners as per OE specs.

RH side shown



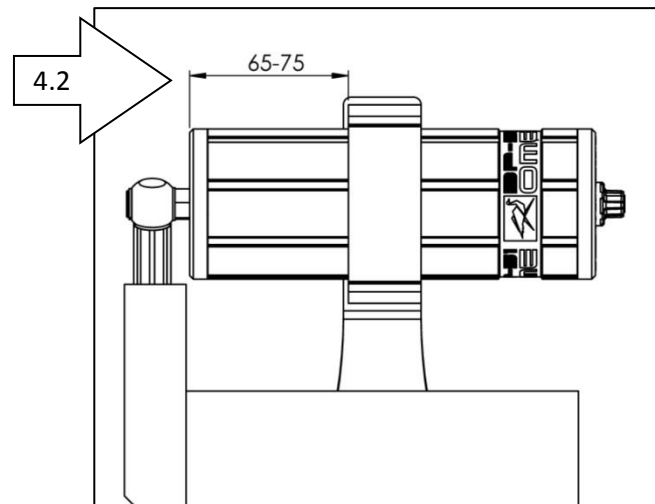
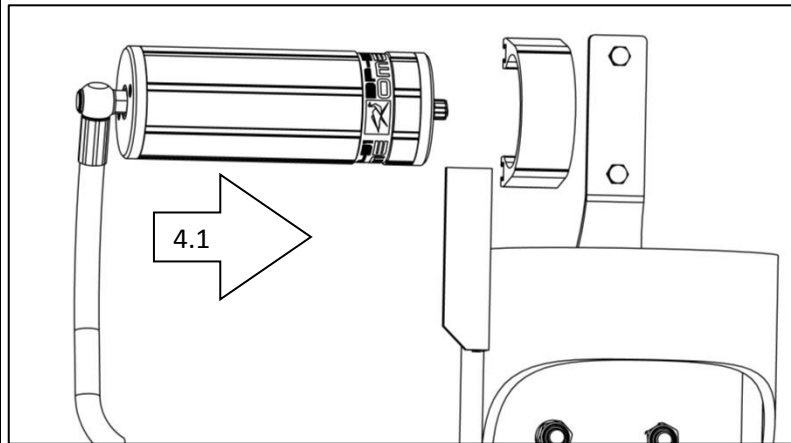
4. Mount Resi

4.1 Fit the mounting clamp to the reservoir and slide assembly over the head of the bolts fitted to the mounting bracket.

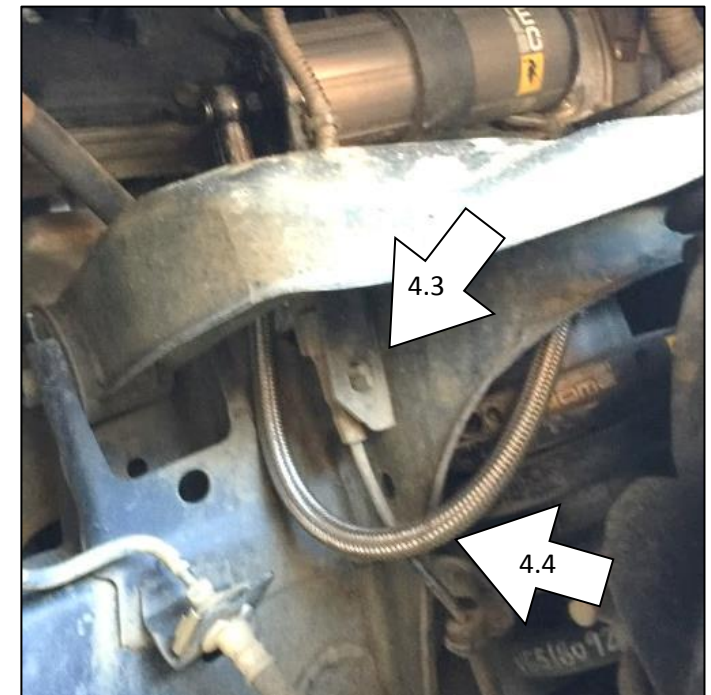
4.2 Align the reservoir so that the clamp is centred over the mounting bracket and the reservoir is in the centre of the clamp. Securely fasten the M6 Nyloc nuts using a 10mm spanner. (ring or ratchet spanners work best)

4.3 Push the ESC plug out of the mounting bracket and fix on the opposite side to improve clearance to the hose as shown.

4.4 Ensure the hose is well routed from the damper body cap to the reservoir without kinks and with clearance to the ESC wire on route to the upper control arm.



(RH SHOWN)



DAMPING ADJUSTMENT

These dampers have been set in the factory to be used for a vehicle with Bull Bar and Winch fitted.

If your accessory fitment differs, use the table below as a guide for recommended Compression and Rebound adjuster settings.

Refer to the Owner's Manual for more information.

Front Accessories	Compression	Rebound
Factory setting	5	6
Bar & winch	4-8	7-10
Bar only	4-8	6-10
No accessories	2-6	4-8

SPECIFICATIONS

- 1 Extended Length 470 mm
- 2 Compressed Length 339 mm

SPARE PARTS

Refer to Service and Parts Manual, section: **BP-51 S&P 3.1-BP5190008**

