

NIMESA Pro Shock Fitting Instructions specific to the **AJS Heritage** motorcycles, Cadwell, Tempest Roadster, Tempest Scrambler and 71 Desert Scrambler.

- 1) Place the motorcycle on the centre stand on flat level ground.
 - 2) Place a piece of wood packing under the rear wheel to take up the wheel to ground gap.
 - 3) (71 Desert Scrambler only) Remove the two rear muffler mounting nuts from the muffler and slacken (but not remove) the two front exhaust mounting screws into the cylinder head to allow the exhaust to move and allow the rear right shock to be removed.
- *Do the following for left and right shock absorbers:
- 3) *Remove the top domed shock absorber mounting nut.
 - 4) *Remove the bottom shock absorber domed mounting nut.
 - 5) *Ease the swinging arm up to release pressure. And pull off the shock absorbers.
 - 6) *Replace the flat penny washer onto the top shock mounting frame spigot.
 - 7) *Replace the flat penny washer onto the bottom shock mounting swinging arm spigot.
 - 8) *Slide the NIMESA shock absorber into place. The logo should be at the top facing you, with the Nitrogen valve to the rear.
 - 9) *Replace the top and bottom, large, chrome bevelled edge washer and then the domed nuts.
 - 10) *Tighten the domed shock absorber mounting nuts to 32Nm
 - 11) (Re secure the 71 Desert Scrambler exhaust)
 - 12) *Adjust the shock absorber pre-load to suit your conditions. Match the left shock with the right shock.
 - 13) *Adjust the damping to suit your riding conditions. Match the left shock with the right shock.
 - 14) *Double check you have re tightened all nut that you loosened or removed.



Top washer order



Bottom washer order

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The fitting of any NIMESA Shock absorber should be carried out by a professional and the fixing bolts and nuts should be tightened correctly using locking fluid where necessary. All fasteners should be set to the original manufacturer's torque settings.

IMPORTANT - Fit the NIMESA Pro Shock absorber with the Logo at the top. Before fitting check the bushes match the size of the bushes on the existing shock absorber. After fitting, make sure all wires, cables or pipes are clear of the suspension unit. Only fit in pairs, do not fit only one shock absorber.

WARNING - RISK OF INJURY: Your NIMESA Shock absorbers are pressurised and should not be dismantled.

DO NOT undo or tamper with the stainless screw /valve on the top part of the shock absorber body. If you undo this screw the Nitrogen will escape .

When fitting - please ensure the following:

The unit are the correct way up - the NIMESA Logo should be at the top and read the right way up. All twin shocks should be fitted with washers larger than the mounting rubber brushes for added security. Also ensure shock absorbers have clearance throughout their full stroke. It is recommended to fit the shock absorbers to the motorcycle without the springs firstly, and check the rear wheel travel. Make sure the wheel does not "bottom out" of foul under full compression. (allow for the compression of the rubber bump stop) Make sure the shock absorber clears the drive chain or belt sufficiently.

Spring Adjustment:

NIMESA Pro Shocks have variable spring pre load adjusters . The shock absorbers are supplied ready for you to set up. A wrench bar s provided to adjust for extra loads if required. Adjust both shock absorbers by the same amount. Use a measure to check the left shock absorber pre load against the right shock absorber. Ensure they are equal. Use the small stainless grub screw to lock the pre load adjuster in place when set with the Allen key supplied.

Damping Adjustment:

NIMESA Pro Shocks are supplied with a finger adjustable "click-able" damper control. Your shock absorber is supplied with its damper setting ready for you to set up. Adjust to suit your riding conditions. Make sure both shock absorbers are set the same.

Overall length adjustment:

NIMESA Pro Shocks are adjustable for overall length +-5mm. Via the bottom eyelet adjustment. From the fully shortened position, you can have +5mm of extended adjustment. Do not exceed this limit as it may weaken the structure. Once the desired length has been set, lock the bottom eyelet into place via the hexagonal locknut.

For more information visit: www.nimesa.co.uk

Length adjustment and locknut



Do Not Undo or Tamper with this screw/valve



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Pro Shock absorber Main Components



For more information visit: www.nimesa.co.uk