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Renault Clio 172/182 bump steer adjustment kit

If there is some mismatching of the arcs that the wishbone and steering arm travel through during bump this will cause some unwanted steering arm movement. This steering arm movement causes 'bump steer' which reduces overall steering control and requires more steering input in cornering.

This kit can be used to eliminate or tune bump steer by replacing the track-rod end and spacing the outer fixing point using shims for fine tuning.

The kit includes everything you need to replace your track rod ends and tune bump steer.

Fitting.

We strongly recommend that a professional with suitable experience fit this kit. You need to have access to a bump steer gauge and wheel alignment equipment.

Remove the front springs, track rod ends and anti-roll bar attachment brackets.





Drill the suspension upright taper out to a close tolerance 12mm hole.

Set the steering wheel straight ahead and fit the track rod adaptors and rod ends checking that there is adequate thread engagement.

Fit the bolt from the top, the large spacer on top and small spacer underneath and do the nut up.



Set front toe to desired setting or close to parallel for the bump steer set up procedure.

Depending on how wide your front track width is, you will probably find that the track rod is too long to get back to parallel toe. If this is the case cut a few threads off the end of the track rod with a thin disc in an angle grinder.

Apply the brakes with a pedal depressor, check steering is centred and set up your bump steer measuring equipment.
Measure bump steer and adjust using different amount of shims on top of the upper spacer until you reach the desired set up.
Repeat on the other side of the car.





If you have a very different track width from standard you may need to reduce the upper spacer thickness instead of increase it – if this is the case, swap the small lower spacer with the upper one and use shims as necessary above the small spacer.

Once you are happy with the bump steer set up, refit all the components, torque rod end bolt to 116Nm.

Set front toe to your final settings.

Settings.

Due to the huge variation of suspension set ups and driver preference we cannot give 'recommended' settings for bump steer.

However, a good starting point is to reduce bump steer to the minimum possible with slight toe out in bump.

If you get stuck please ring for help and advice.

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