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Renault Clio 172/182 rear axle bearing conversion kit

This kit converts the rear axle mounting bushes into spherical bearings.

This will alleviate any play in the axle bushes and will drastically reduce the dynamic change in rear suspension set up. It will dramatically improve the handling and feel of your race, rally, sprint, hillclimb or any other competition Renaultsport Clio.

The kit includes:

2 x spherical bearing housings CNC machined from steel

2 x spherical bearings and circlips

4 x bearing spacers CNC machined from steel and zinc plated

Fitting:

We strongly recommend that you only fit this if you are a competent vehicle mechanic and a competent welder.

You will need to drop the front of the axle to give you enough room to work in.

Depending on your set-up you may need to remove the springs first and also clamp and undo the brake flexi hoses to allow enough movement.

Please follow common sense and cover the flexi hoses to stop any dirt getting in and also be careful when welding, as the fuel tank is close – if in doubt remove the axle fully.

Knock out or use pressing tools to remove the rear bushes.

Remove all paint from around the area on both sides of the axle tube.

Push in the housing from the outside and weld around the inside and outside of the axle tube.

Please note: The housings have been made oversize to allow for shrinkage when welding and a complete weld should give the correct amount of shrinkage to give the bearing a slight interference fit.



Paint the axle if you wish and then clean the inside of the housing using a flap wheel to remove any weld spatter or paint. This is just to clean it not to make it bigger so go easy!!

Knock or press the spherical bearings into the housing using a suitable sized tool until it bottoms out. Fit the circlips in the grooves and then the spacers into the bearings.



Push the axle back into place and bolt back up using the original bolts (we do recommend the use of new nuts), (You may have to slacken off the bolts on the axle – body mounts to get the bearing spacers to fit)



Torque bolts up to:

Axle bracket to chassis bolts: 60Nm

Axle to bracket bolt: 70Nm

Replace all other components in the reverse order of removal, bleed the rear brakes and check the suspension alignment.

If you want to adjust the rear alignment or camber use some of our camber/toe shims.

If you get stuck please ring for help and advice.

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