

Fitting Instructions #4205IS

Mazda 3 BM

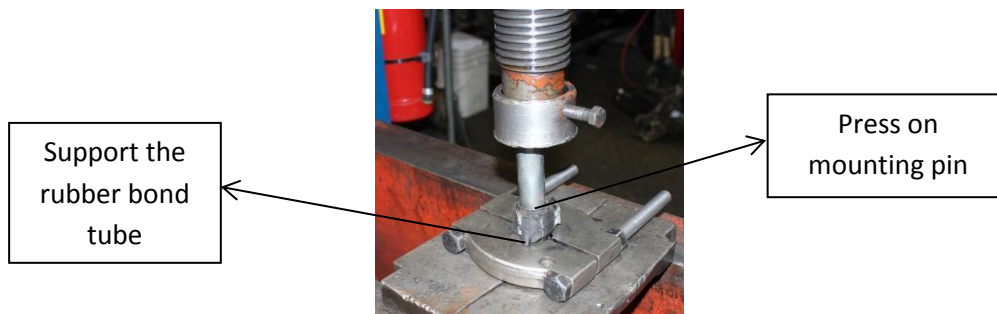
Front Lower Control Arm Rear Bushing



By offsetting the location of the rear pivots, caster variation & anti-lift can be achieved.

Note: Polyurethane bushes must be fitted to both sides of the vehicle.

- Wheel align the vehicle before the job is started and note castor settings;
- Mark the control arms & bracket orientation then remove the control arms from the vehicle;
- Rear Bush: To remove the O.E. rubber bush put the arm in a press, then press on the centre pin. This will tear away the rubber bond on the tube leaving the bracket free and the tube still on the mounting pin of the control arm;
- Use the press to remove the bush including the steel shell from the bracket. Also, use a press to remove the crush tube from the mounting pin (see figure below). Clean the mounting pin of any burrs;



- With reference to the diagram 1 below, the kit number that you have purchased and the settings required, align the bushing and the brackets, so that the hole in the bushing is positioned to give the desired result. Then press the bush in;
- Lubricate the inside of the new polyurethane bushing and the mounting pin of the control arm, then, slide the bushing & bracket over the mounting pin of the control arm;
- Front Bush: remove the O.E rubber bush with the use of a hydraulic press and suitable pressing tool.
- Clean housing areas to remove any old original bushing material. Then, press the new bushes into the arm with attention to the flange offset as diagram below:

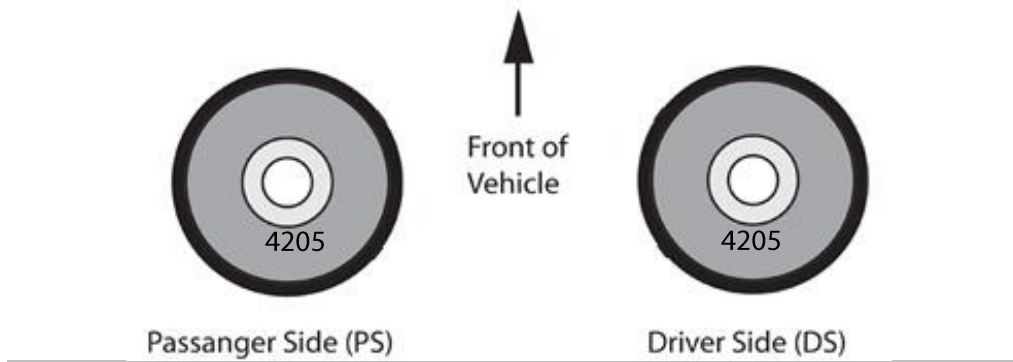


- Apply the grease supplied to the bore of the new polyurethane bushes and the outside of the steel crush tube. Then, press the crush tube into the bushes.
- Refit the control arms with the new bushes, brackets into the vehicle;
- Wheel align vehicle and check new settings;
- Torque all mounting bolts to manufactures specifications with the vehicle at ride height.

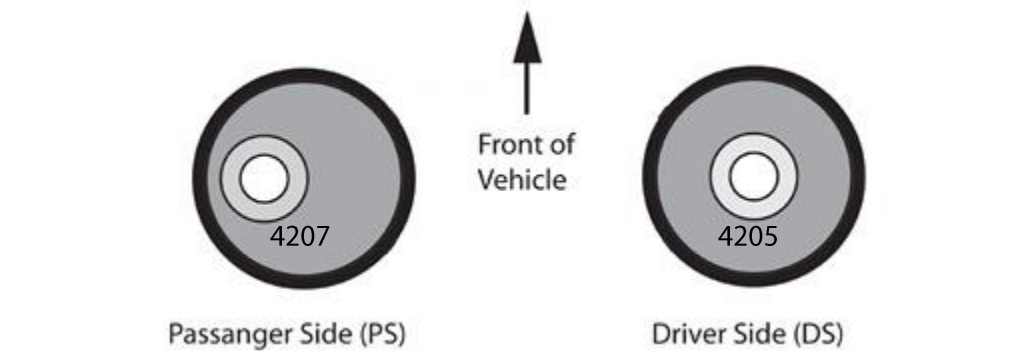
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As viewed from the rear of the control arm, looking forward on rear bushing.

Kit #4205K – Standard Replacement (No caster change)



Kit #4206K – Caster Correction 0.5 change.



Kit #4207K – Performance caster.

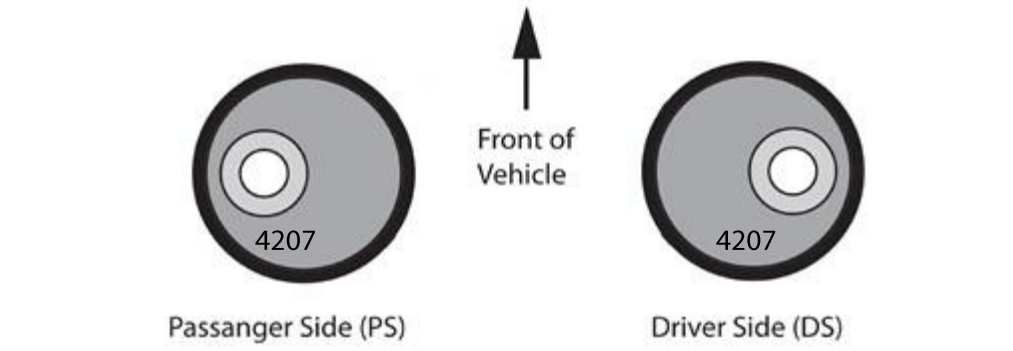


Diagram 1: Illustration of Caster Settings