

Fitting Instructions #4653IS

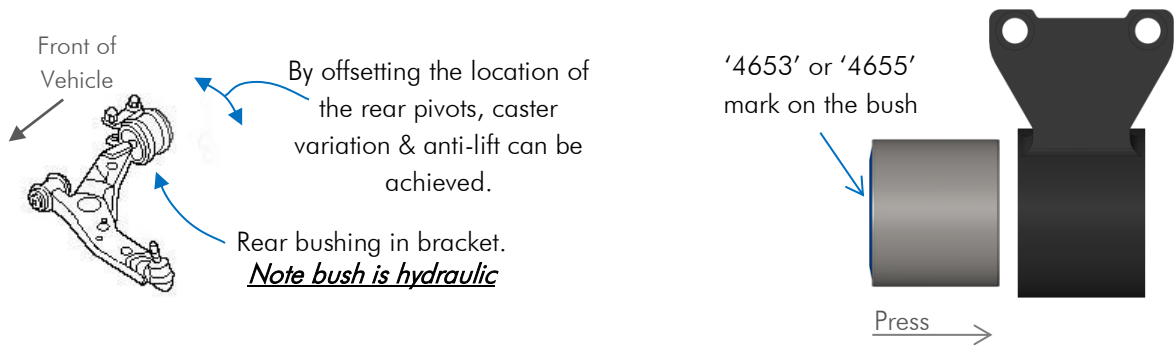
Mazda 3 (First and Second Generation)

Front Lower Control Arm Rear Bushing (To suit Right-hand drive vehicles)

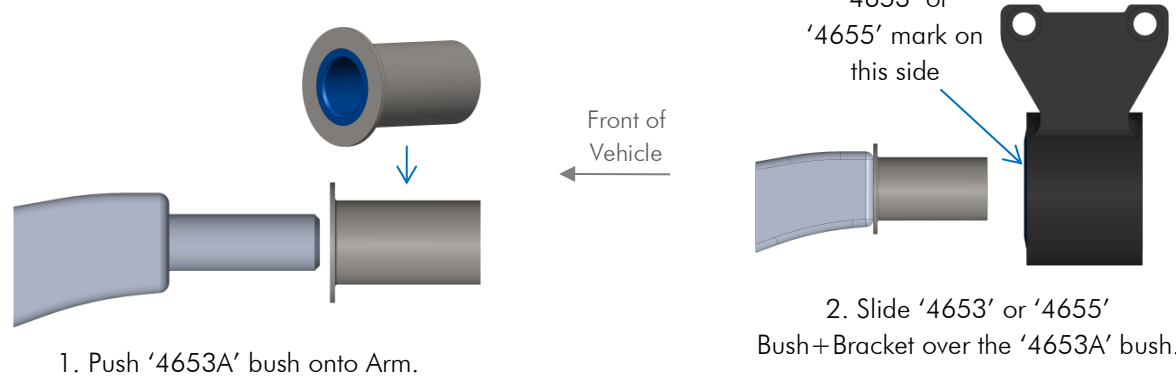
Note: Polyurethane bushes must be fitted to both sides of the vehicle.

- o Wheel align the vehicle before the job is started and note castor settings;
- o Mark the control arms & bracket orientation then remove the control arms from the vehicle;
- o The O.E. rubber bush is a hydraulically filled bush. Appropriate safety precautions must be taken to avoid injury. To remove the O.E. rubber bush put the arm in a press, cover the top and bottom of the rear bush with a rag as oil will drain out, then press on the centre tube. 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;
- o Use the press to remove the bush from the bracket, the bracket is rounded on one side so the bush can only be removed one way. Then use a die grinder or a hammer and anvil, etc., to remove the crush tube from the mounting pin. Clean the mounting pin of any burrs;
- o With reference to the diagrams, 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 leave approx. 2-3mm from the shell bottoming out;
- o Mount the control arm in a vice. Install the '4653A' shell bush with the large flange facing the front of the control arm as per sketch below. Use a suitable piece of tube, and drive the crush tube home onto the mounting pin;
- o Then trial fit the control arm and bracket to the car to check bolt hole alignment, if the bolts line up for the rear bracket proceed to the next step, if not press the bush in/out the required amount. This is done due to variations in cross members and also to prevent adding any preload to the bush;
- o Lubricate the inside of the new polyurethane bushing and the outside of the '4653A' steel shell, then, slide the bushing & bracket over the steel crush tube. (Note - Make sure that the bracket is orientated correctly refer to the drawings attached);
- o Refit the control arms with the new bushes, brackets into the vehicle;
- o Wheel align vehicle and check new settings;
- o Torque all mounting bolts to manufacture's specifications with the vehicle at ride height.

Left Hand Side Control Arm installation diagrams



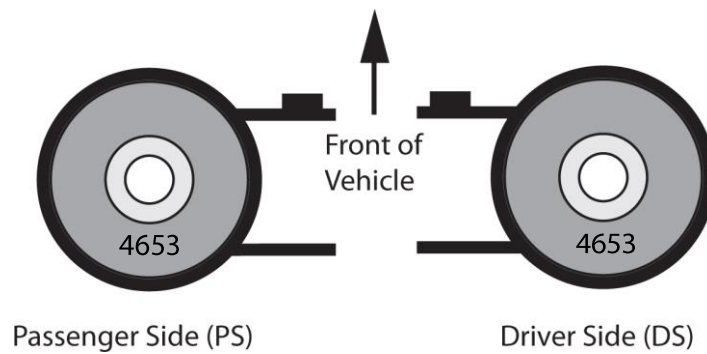
Side view of new part on control arm



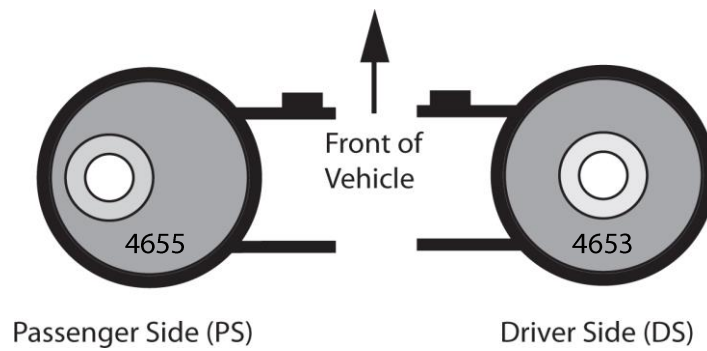
Fitting Instructions #4653IS

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

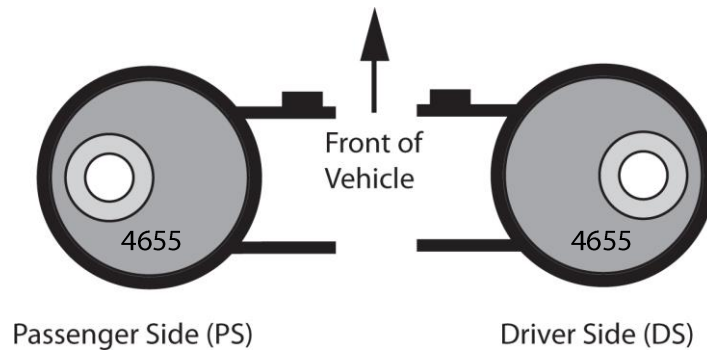
Kit #4653K – Standard Replacement (No caster change)



Kit #4654K – Caster Correction 0.6 change.



Kit #4655K – Performance caster.



Kit #4655K – Anti-Lift

