

Fitting Instructions #4306IS

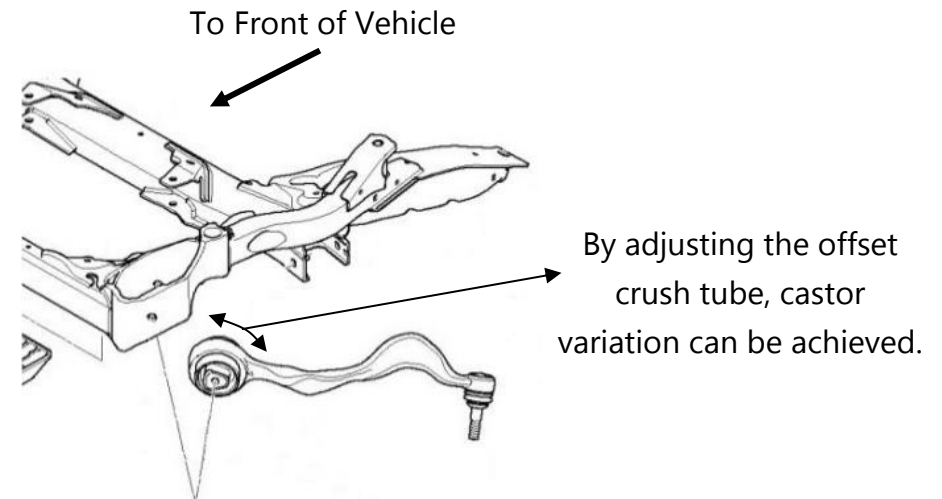
BMW 1 SERIES F20 / BMW 3 SERIES F30

Radius Arm to Chassis Bushing (Front)

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;
- Support vehicle on jack stands/hoist, mark left and right hand arm and then, remove the radius arms from the vehicle;
- Remove original shell part from the radius arms with the use of a hydraulic press and suitable pressing tools;
- Clean housing areas to remove any old original bushing materials before installing new bushes. Apply the grease supplied to the inside of the housing and the outside of the bush, then push the new bushes in;
- Using the grease supplied, generously lubricate the outside of the steel tube, the bore of the new bush and then, press the new crush tube in. **Note:** The hex of the crush tube **must** sit on the shorter flange of the bush;
- With reference to the Figure 2, adjust the new crush tube with the spanner provided, so that the hole in the bushing is positioned to give the desired castor result;
- Tighten all bolts ensuring that you use manufacturers torque settings, wheel align vehicle and check new settings.

Left Hand Side Shown



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Right Hand Side

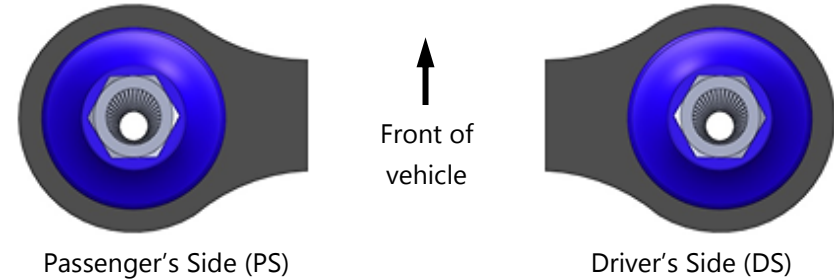


Figure 1: SuperPro Polyurethane Bushes and Crush Tube

As viewed from the side of the control arm

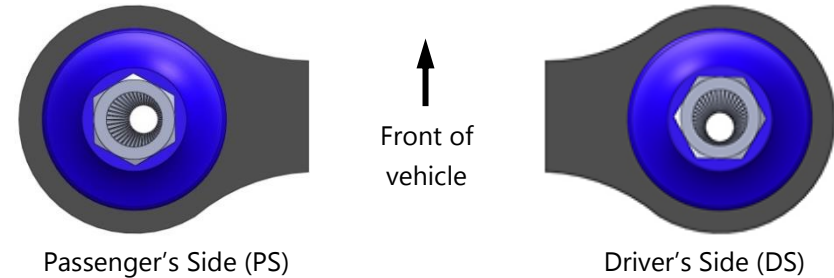
Standard Replacement Settings

No castor change



Counteract Pull to the Passenger's Side Settings

Single Offset – (passenger side castor increase & drivers side no castor)



Performance Settings (approx. 1 deg. change)

Double Offset – (passenger side increase and driver side decrease castor)

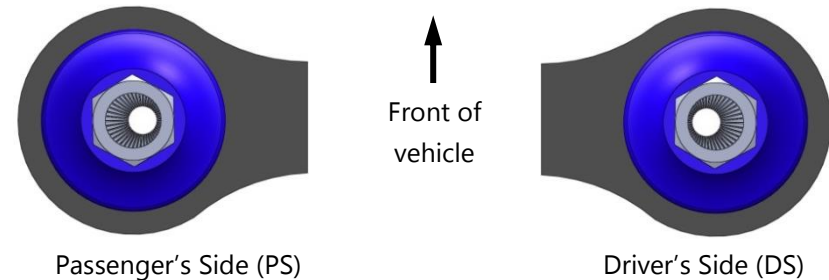


Figure 2: Illustration of Castor Settings