

# Fitting Instructions #3941IS

BMW 1 SERIES E81, E82, E87 & E88 / BMW 3 SERIES E90, E91, E92 & E93

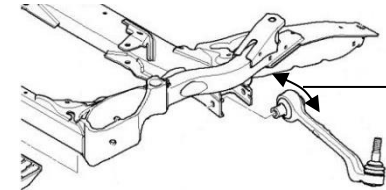
## Control Arm Lower Inner Bushing (Front)



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

- Jack the vehicle up and support on stands/hoist.
- Mark left and right arm and then remove the control arms from the vehicle.
- Remove original shell part from the lower control 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 housing and the outside of the bush, then push the new bushes (marked 3941) in.
- While imagining how the arm seats in the car, set the hex side of the crush tube so that it faces towards the front of the vehicle. Using the grease supplied, generously lubricate the outside of the steel crush tube, the bore of the new bush and then, push the crush tube in. After that, insert the supplied washer into the stepped end of the crush tube. (As shown in Figure 1(c)&(d))
- With reference to Table 1, the kit number that you have purchased and the settings required, 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.

To Front of Vehicle



**Left Hand Side Shown**

By adjusting the offset crush tube, camber variation can be achieved.



(a)



(b)



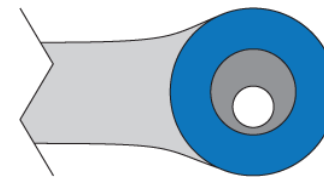
(c)



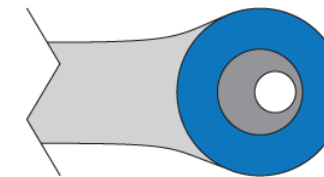
(d)

**Figure 1:** SuperPro Polyurethane Bushes and Crush Tube assembly in Arm (Left hand Arm Shown)

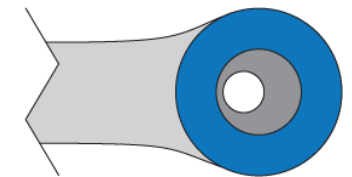
**Left Hand Side Shown**



STANDARD REPLACEMENT



- CAMBER INCREASE



+ CAMBER INCREASE

**Table 1:** Illustration of Camber settings