

# Fitting Instructions #5189XIS

AUDI A4 (B8) - Q5

## Front Lower Rear Control Arm to Sub frame Adjustable Bushing Kit

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Note: This is a suggested method of replacing the control arm to sub frame adjustable bushings of the front lower rear control arm. (Figure 1. #13) This kit replaces both left and right control arm bushes.

### Contents:

- SPF5189 x 2
- SPF5189XT x 2
- C-Spanner x 1

### Preparation:

- Raise the vehicle utilising an approved method and remove the front wheel assembly.
- Remove the surrounding protective plates from under the vehicle for clear access to the control arm assembly.
- Loosen the control arm to sub-frame bolt. (Figure 1. #12, #32)  
Note: These bolts are prone to seize and as a result it is recommended that they are soaked daily in penetrating oil to assist in their removal.
- Remove the ball joint nut and break the ball joint from the spindle assembly. (Figure 1 #14)
- Remove the bolt from the control arm to sub frame.  
Note: Removal of the brake-line panel will assist in the removal of the bolts

### Bushing:

- Press out the old bushing utilising the appropriate tools. (Booker-Rod Assembly or Hydraulic Press are recommended)
- Clean the control arm of any burrs and debris from the removal of the old bushing.
- Familiarise yourself with the bushing and their crush tube; noting that one side of the bushing is shorter. (Figure 2.)
- Orientate the side of the bushing with the rearward facing side of the control arm and press the bushing into the arm until the bush's shell is equally displaced from the arm on each side.
- Finally apply the supplied to the internal face of the bushing and press the crush tube into the bushing; note that the flanged side of the crush tube must be on the rearward facing side of the bushing. (Figure 2.)

### Reassembly:

- Loosely tighten the control arm to sub-frame bolt.
- Install the ball joint into the wheel assembly and tighten.
- Raise the wheel assembly using an appropriate method until the wheel is at ride height and tighten the control arm to sub frame bolt.  
Note: Adjust the crush tube utilising the supplied c-spanner to the desired setting.
- Continue to reassemble the rest of the vehicle ensuring all bolts-nut assemblies are torqued to manufacturer's specifications. (Typically in this application, 90Nm + 90°. Check your manufacturer's service manual for model specific torque specifications.)
- It is highly recommended that your vehicle is wheel aligned after the installation is complete.

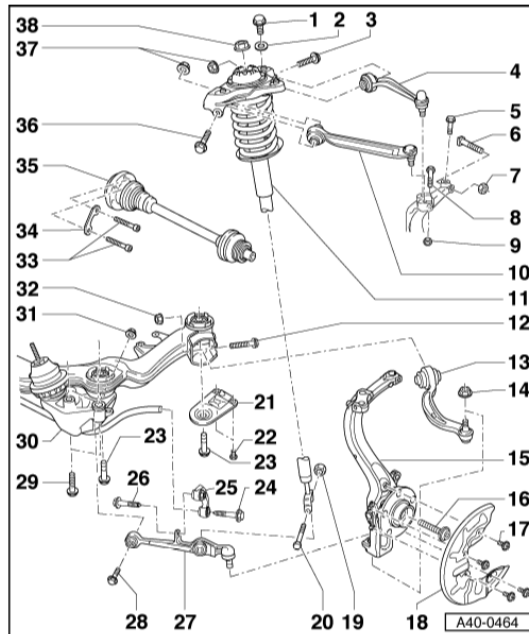


Figure 01. Front Suspension Diagram.

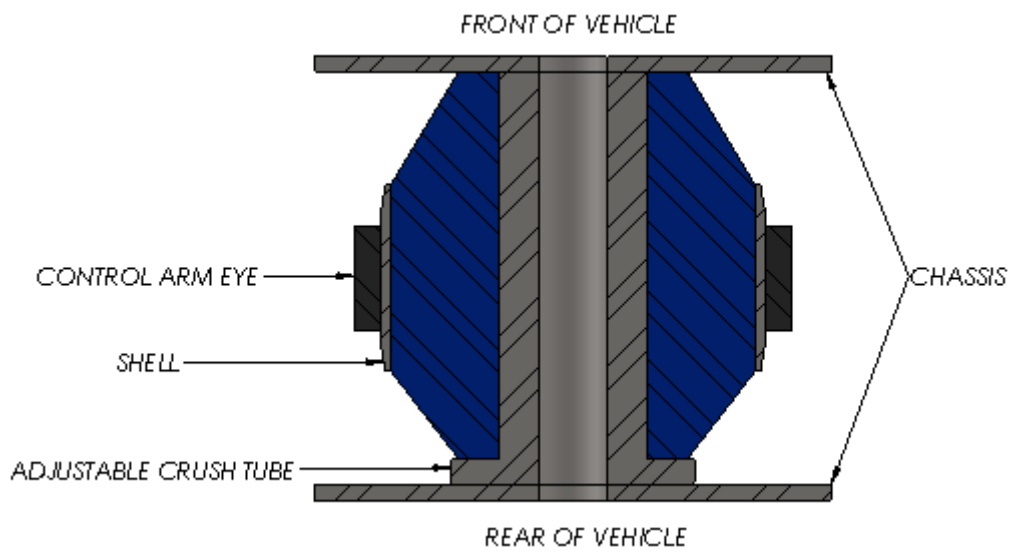


Figure 02. Bush Installation Diagram.