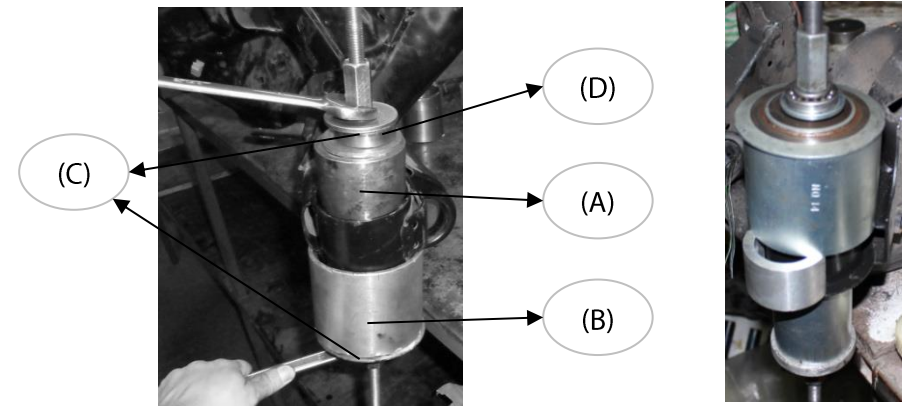
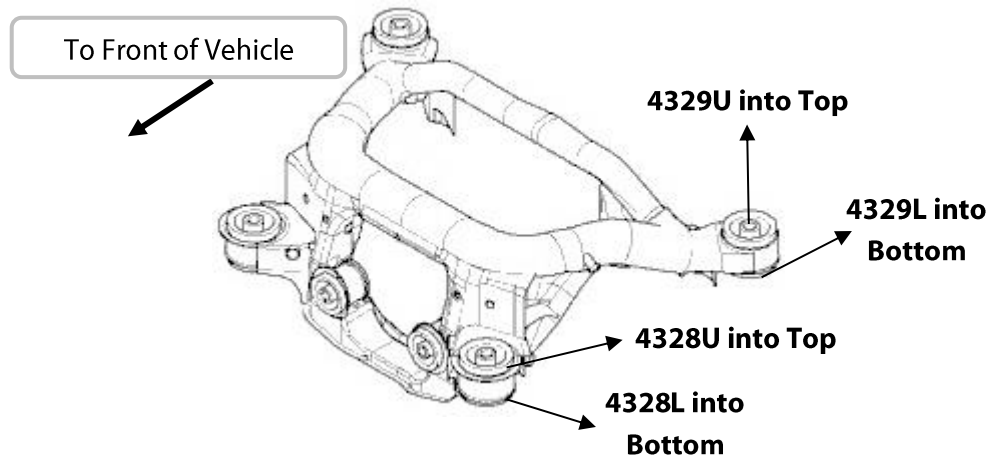


# Fitting Instructions #4328IS

## BMW 3 SERIES E46

### Rear Sub frame Mount Bushes replacement



**Figure 1:** Tools setup for removing factory bushes (Refer to point

- Jack vehicle up and put on stands/hoist, following manufacturer's recommendations, remove the rear sub frame and place it on separate jack stands then proceed to remove factory bushes;
- The factory subframe bushes are shell parts. To remove the factory bushes you will need the following items: 1 x threaded rod and 2 matching nuts, (A) 1 x metal spacer where its OD is slightly smaller than the ID/bore of the Subframe housing, (B) 1 x metal spacer where its ID is slightly bigger than the ID/bore of the Subframe housing, (C) heavy gauge washers one to sit outside on each of the metal spacer, (D) old pinion style bearing, 2 matching spanners. **Note:** Could use Press Tool Kit No. 8 for (A) and No. 14 for (B).
- Set the tools up according to Figure 1 and draw the factory rear subframe bushes out. Make sure that the metal spacers are lined up correctly. Also, cover the bearing with a rag in case of failure, appropriate safety equipment must be used. You will need bigger size metal spacer to remove the rear subframe rear bush.
- 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 in.
- To fit the crush tubes into the bushes, apply the grease supplied to the bore of the bush and the outside of the crush tube and push it in. To aid crush tube installation, you may use a pair of multi grip.
- For front mount, align the recess under the flange of the upper bush marked '4328U' so that it fits the extruded area of the subframe. For the lower bush marked '4328L', align the detail on the face of the bush flange so that it would mate nicely with the factory mounting plate. Smaller Inner Diameter crush tubes (around 12.5mm) fits into the front Mount.
- For rear mount, fit bush marked '4329U' to the top and bush marked '4329L' to the bottom of the subframe. Note: lower bush '4329L' has a recess on the face, which would match the detail on the factory washer. Larger Inner Diameter crush tubes (around 20.5mm) fits into the rear Mount.
- Refit the rear subframe to the vehicle and all other suspension member ensuring that you use manufactures torque settings on all fasteners and carry out a wheel alignment.