Fitting Instructions - Z7159-W

BMW 3 Series E36

Rear Subframe Bushings

Subframe removal, assembly, and installation must be completed by qualified persons only, using the appropriate procedures and equipment.

- Jack up car on hoist or jack stands.
- Remove the rear section of the exhaust from the vehicle. **Refer to Figure 01.**
- Remove rear swaybar and speed sensor wiring from rear diff. Refer to Figure 01.
- Unbolt the driveshaft and CV connections from the rear diff. **Refer to Figure 01.**
- Remove rear diff from the subframe.
- Support the rear hubs with long adjustable stands/under hoist stands.
- Remove the rear shock absorber from the hub.
- Using long adjustable stands/under hoist stands, lower the hub down safely and remove the spring from the upper control arm. Repeat for other side of car.
- Remove lower control arms.
- Remove upper control arms.
- Support subframe using long adjustable stands/under hoist stands.
- Unbolt the subframe from the car as shown in **Figure 02.**
- Carefully lower subframe evenly to ensure that front studs do not bend.
- Press bushings out of subframe using a hydraulic

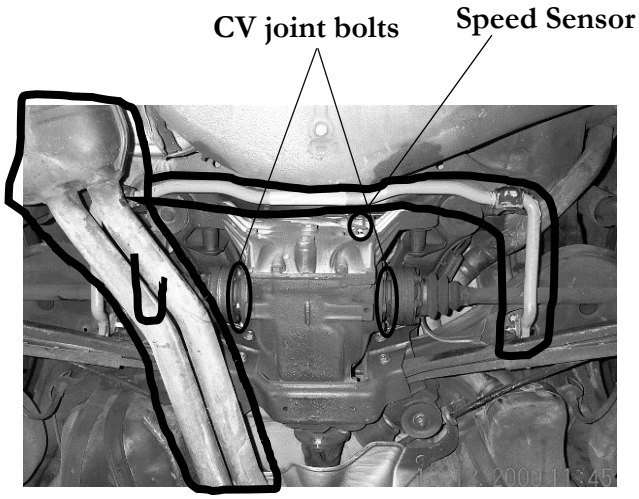


Figure 01 – Underside of Rear of Car with elements to remove highlighted.

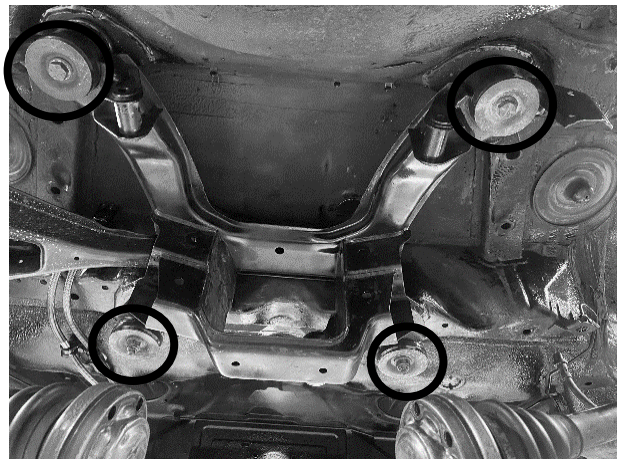


Figure 02 – Rear Subframe

- Press bushing 4388U into the front of the subframe on the upper side and press 4388L into the front of subframe on the lower side.
- Press bushing 4389U into the rear of the subframe on the lower side and press 4289L into the rear of subframe on the lower side.
- Align the notch bushing 4388U with the weld in the subframe.
- Grease the outside of the crush tubes and the inside of the bushings then press the crush tubes into the bushings until both sides are flush with the bushing. Completed bush installation should look as shown in Figure 03.
- Reinstall subframe into car.
- Reinstall upper control arms.
- Reinstall lower control arms.
- Reinstall springs by seating them in control arms and carefully raising the hub until the spring is also seated in the chassis.
- Reinstall rear shock absorbers.
- Reinstall diff into the subframe.
- Reinstall CV bolts into the rear diff.
- Reinstall rear swaybar, speed sensor wiring, and exhaust.
- It is highly recommended that a wheel alignment is completed after changing the subframe bushings.
- Manufacturer's torque setting must be used on all bolts.
- Check all bolts after 500km or 1 month



Figure 03 – Rear Subframe with Bushings