

## Front shock replacement on X308 - 7/06/2005

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Since we upgraded the rear shocks on our 1998 XJ8 it was time to do the front shocks. While replacing the shocks I found that the shocks not only work as shocks but drop and compression limiting on the suspension.

### Parts:

- two new shocks
- two bump stops (optional)
- two upper bushings (optional)

### Tools required:

- Floor jack
- Two jack stands
- Various metric sockets (13mm-18mm IIRC)
- Pry bar

Once I received The shocks The following steps were taken to replace the shocks. Air tools are a major help if you have access to them. The shocks I went with are for a 1998 XJR, just to firm up the ride a bit.

### Replacing the shock:

1) Block the rear tires and lift the front of car to a workable level. I positioned the jack stands under the jacking points located below the front doors. Make sure the parking brake is engaged. Putting the jack stand here also allows the front suspension to drop free, which is needed. You will want to lift the whole front, not just one side at a time or you will run into problems with the sway bar.





2) Slightly jack up the lower A-arm

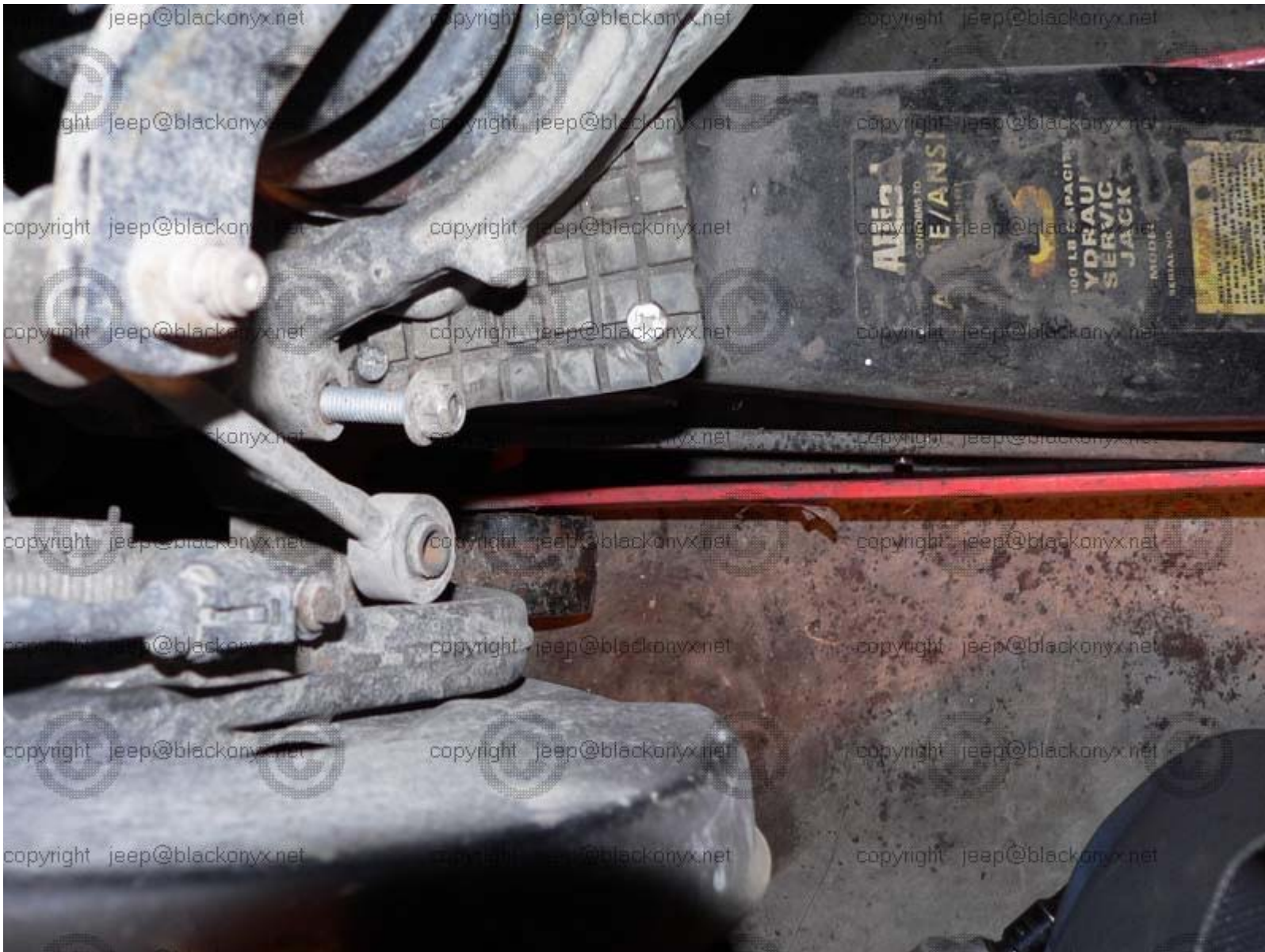


4) Remove the upper shock bushing bolt





5) Remove the anti-sway bar lower link bolt.







6) Remove the lower shock mount bolt.



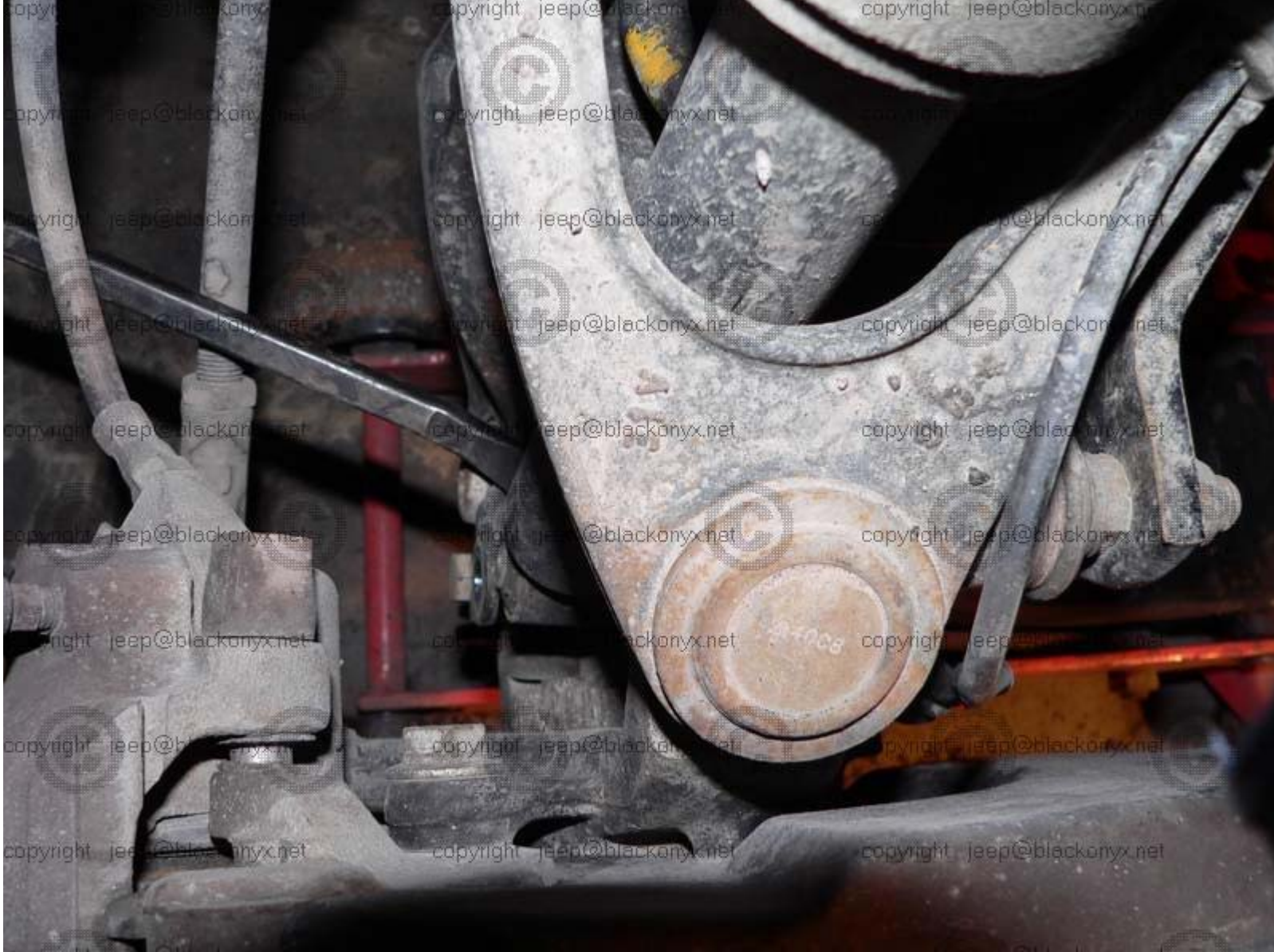
7) Slowly let the front suspension drop.

8) Maneuver the top of the shock out of the upper mount and pull the rod out of the hole.





9) Maneuver the bottom of the shock out of the suspension working it rear ward. A pry bar will greatly assist in this:

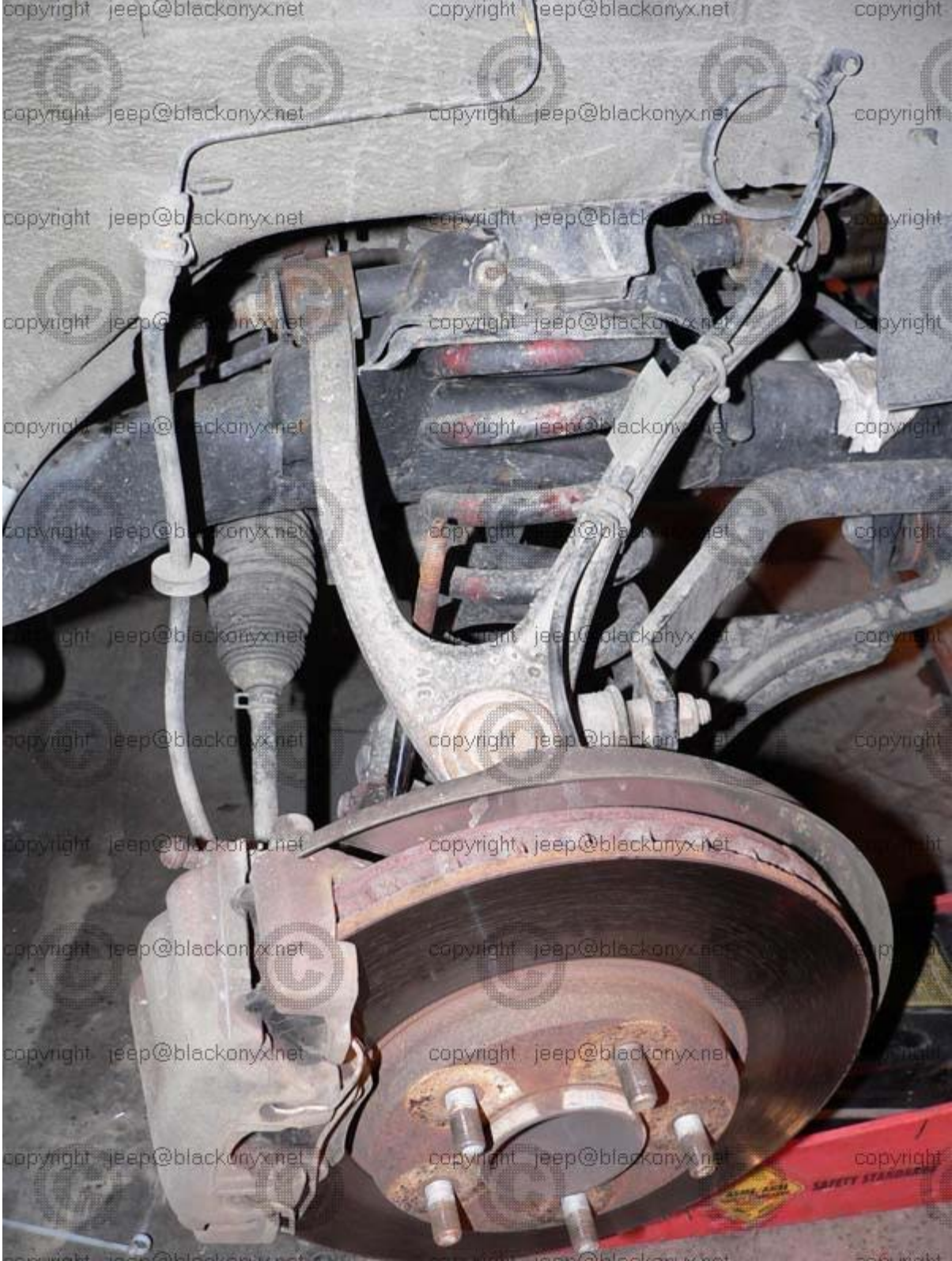






10) Completely remove the shock from the suspension





11) Install new shock the reverse of the removal. Don't forget to install gaiter, upper bump stop, washer and bushings!





- 12) Raise suspension to pass lower bolt through shock.
- 13) Tighten the lower shock mounting bolt to 43 to 57 Nm
- 14) Raise or lower suspension to bolt sway bar link. Tighten to 41-54 Nm.
- 15) Raise the front suspension to push shock up through upper mount.
- 16) Tighten the upper mount top 30-40 Nm





17) Refit the wheel. Lug nuts: steel wheels: 68-82 Nm (50-60 lb-ft); alloy wheels: 88-102 Nm (65-75 lb-ft) .