

# NEUSPEED®

## 25MM TUBULAR FRONT ANTI-ROLL BAR – PART #15.02.25.6

Fits 2014-up Audi A3/S3 (8V) Quattro, 2017-up Audi RS3 (8V), 2016-up Audi TT/TTS (8S) and 2015-up VW MK7 Golf R/Alltrack/Sportwagen 4-Motion

### PARTS LIST:

1 - 25mm TUBULAR ANTI-ROLL BAR  
2 - U-CLAMP w/BASE

1 - BUSHING GREASE  
2 - URETHANE BUSHINGS

### TOOLS REQUIRED:

1 - TORQUE WRENCH  
1 - 16mm SOCKET

1 - RATCHET  
1 - 18mm SOCKET

1 - 13mm SOCKET  
1 - 18mm WRENCH

1 - SCREWDRIVER  
1 - 9" EXTENSION

1 - 10mm Socket

1. Park vehicle on a flat, level surface capable of supporting the vehicle's weight on a jack and jack stands. Using the manufacturer's recommended lifting point(s), raise front of vehicle and support with jack stands. **NEVER WORK ON A VEHICLE SUPPORTED ONLY WITH A JACK!**
2. Remove lower engine splash pan using T25 and T40 Torx.



3. Unbolt torque arm mount from transmission housing (2) 16mm or 18mm hex bolts.



4. Unbolt exhaust down-pipe support bracket at rear of sub-frame (2) 13mm hex bolts.



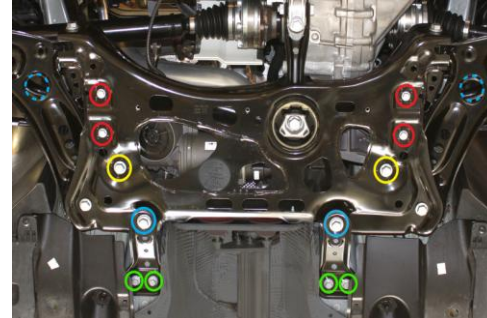
5. Unbolt anti-roll bar from end-links 18mm hex nut.



6. Disconnect oil sender electrical connection at bottom of oil pan (except RS3).



7. Due to enlarged mounting holes, use marking pen to mark location of sub-frame to uni-body. This will aid in keeping the original alignment.



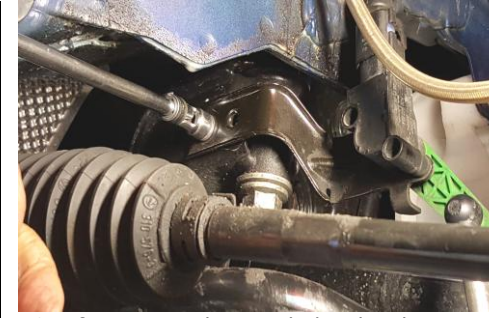
8. Support under sub-frame with a jack. Remove the following bolts from sub-frame:

- (4) 18mm hex bolts [Sub-Frame Mount]
- (4) 13 or 16mm hex bolts [Rear Support]
- (4) 13mm hex bolts [Bar Bushing Clamp]
- (2) 18mm hex bolts [Steering Rack]

See larger photo at end of this document for bolt identification and locations.



9. If equipped; Disconnect level sensors electrical connection on both left and right side of vehicle.



10. If equipped; Un-bolt level sensor bracket from sub-frame (1) 10mm hex bolt on both left and right side of vehicle.



11. Lower sub-frame from vehicle 1"-2". Separate steering rack from sub-frame, a large screwdriver maybe required due to resistance from alignment bushing.

12. On driver side at top of sub-frame, there is a wire harness housing attached. Pull out center expansion pin then pull out clip.



13. Lower sub-frame 4-6" to remove original anti-roll bar. Work right side of anti-roll bar forward over sub-frame first then left side.



14. With supplied grease, lubricate inside of supplied urethane bushings. Install bushings onto NEUSPEED anti-roll bar just inside of stop washers. Now Install NEUSPEED anti-roll bar into position driver side first. **NOTE:** End of anti-roll bar goes underneath drive axle.



15. Put into position urethane bushing base and "U" bracket. Install bushing clamp mounting bolts, making sure bolts go thru bushing base then thread into nuts on "U" bracket. Torque to 20Nm (15 ft/lb) + 1/4 turn.

16. Raise sub-frame up to uni-body leaving a 1"-2" gap, align steering rack into sub-frame and install the (2) mounting bolts.

17. Re-attach wire harness housing to driver side sub-frame.

18. Raise sub-frame to uni-body, start all mounting bolts and install rear support brackets. Line up marking pen marks on uni-body, then tighten sub-frame mounting bolts. Torque sub-frame bolts and steering rack bolts to 70Nm (52 ft/lb) + 1/4 turn and support brackets to 20Nm (30 ft/lb) + 1/4 turn.



19. Attach end link to anti-roll bar. Forward hole softer setting, rearward hole stiffer setting (more understeer). Torque to 65Nm (48 ft/lb).

20. Reinstall torque arm bolts and torque to 40Nm (30 ft/lb) + 1/4 turn.

21. Re-mount down-pipe support bracket at rear of sub-frame 13mm hex bolts. Torque bolts to 25Nm (18 ft/lbs).

22. Re-connect oil sender electrical connector and level sensors.



23. Double-check complete installation and tightness of all bolts.

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**TORQUE SPECS:**

**Sub-Frame:** 18mm hex bolts 70Nm (52 ft/lb) + 1/4 turn

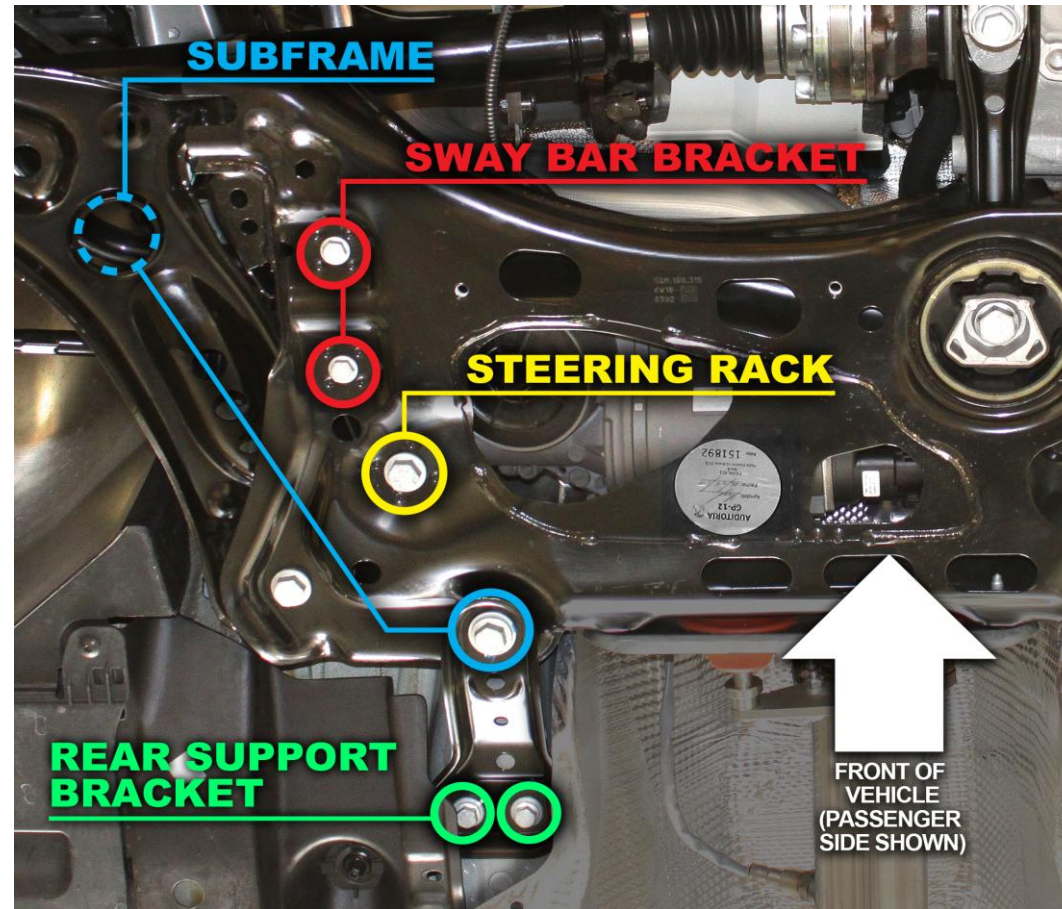
**Rear Support Brackets to Sub-Frame:** 13mm or 16mm hex bolts 20Nm (15 ft/lb) + 1/4 turn

**Steering Rack:** 18mm hex bolts 70Nm (52 ft/lb) + 1/4 turn

**Anti-roll Bar Bushing Clamp Bolts:** 13mm hex bolts 20Nm (15 ft/lb) + 1/4 turn

**Anti-Roll Bar End Link Nut:** 65Nm (48 ft/lb)

**Torque Arm Bolts at Transmission:** 16mm hex bolt 40Nm (30 ft/lb) + 1/4 turn



**BOLT IDENTIFICATION AND LOCATION PHOTO**