# MINI R56 (2006-2013) ADJUSTABLE REAR TIE-BARS

# INSTALLATION INSTRUCTIONS



Please thoroughly read through and familiarize yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.

Tools Required:

- Access to vehicle lift or floor jack and axle stands to support the vehicle.
- ¼" Ratchet, 8mm and 10mm socket.
- 18mm, 24mm ring spanner.
- ½" Ratchet, short extension bar, 16mm and 18mm socket.
- 2x large adjustable spanner.
- Paint marker or cold chisel.
- Transmission jack or similar.
- Side snip pliers.

Engineered for performance

1. Raise the vehicle on a ramp or suitable axle stands, to allow access to the underside of the car.

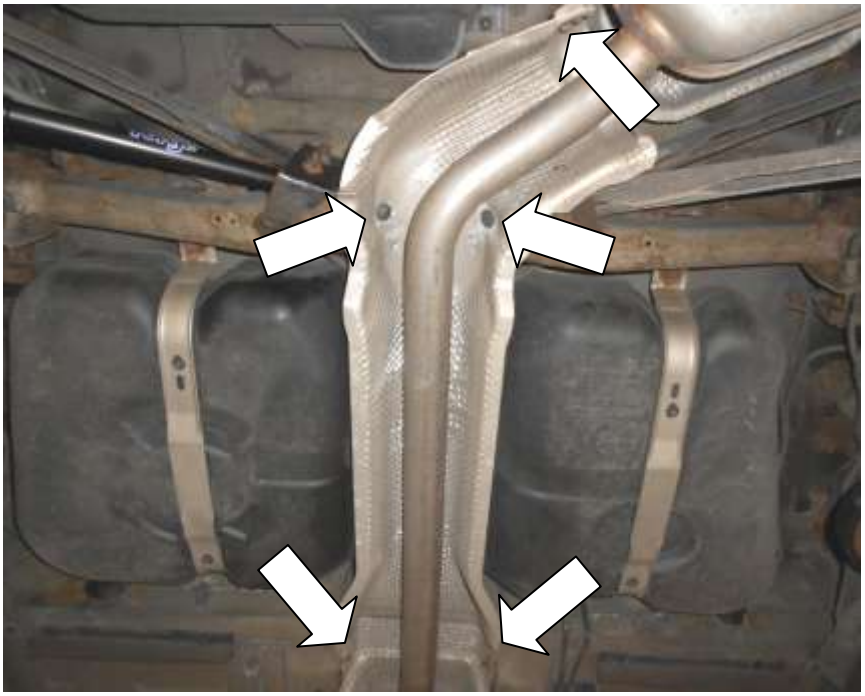
2. Using a suitable penetrating oil lubricate the threads on the bolts at each end of both tie-bars. Wire-brush the threads if necessary to remove any excess debris.



3. Support the weight of the rear wheel and suspension using a transmission jack or similar.



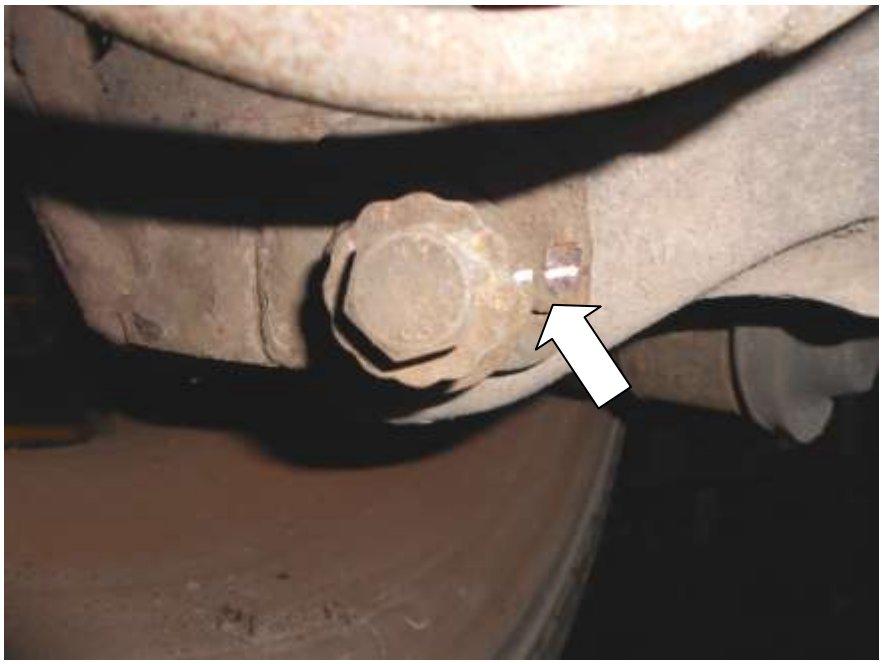
4. Undo the 1x 8mm screw, 2x 10mm bolts, and 2x 10mm nuts. Pull the exhaust heat shield towards the back of the car and downwards to release it. Let the heat shield rest on top of the exhaust, it does not need to be fully removed.



5. This allows better access to offside top tie-bar nut.



6. Using a paint marker, centre dot or cold chisel mark the position of the snail cam adjuster.



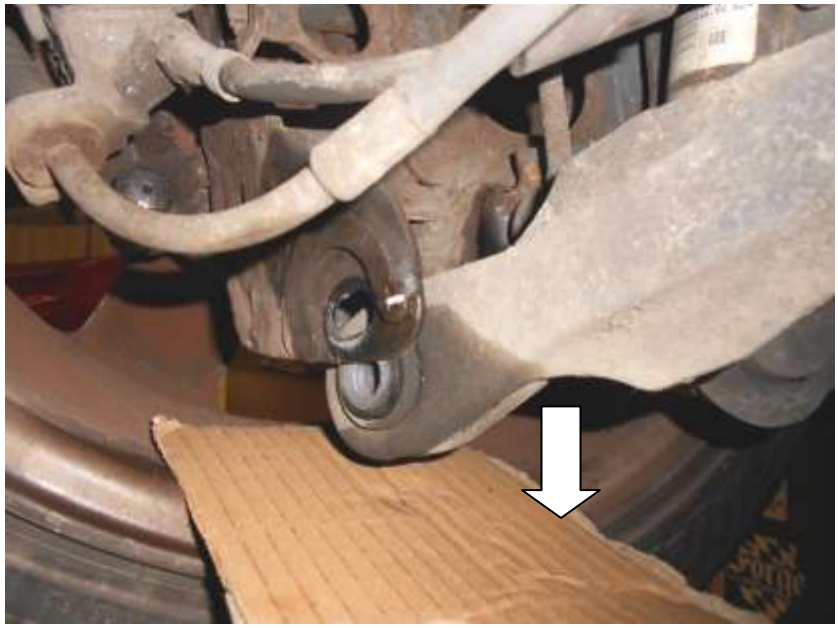
7. Using an 18mm socket, short extension bar, suitable ratchet and 18mm spanner undo the top bolt and remove it. Access is very restricted to get the 18mm socket on the head of the bolt.



8. Using a 16mm socket and suitable ratchet, undo the lower bolt. Carefully remove the snail adjuster and bolt. Keep Left-hand and Right-hand snail adjusters separate if both tie-bars are being removed at the same time.



9. Place a piece of packing material between the lower part of the tie bar and the wheel. Pull the tie-bar downwards to release it.



10. Pull the tie-bar towards the outside of the vehicle at the top to release it.



11. Using the standard tie-bar and OEM bolts match the bolt hole centres on your Forge adjustable tie-bars. This is just to set a baseline you will need to get the tracking checked after the installation is completed. Using a pair of adjustable spanners lock both locking nuts when the tie-bars are set at the correct length.



12. Install your Forge tie-bar in the reverse of the disassembly. The short side of the tie bar fits closest to the wheel hub.

13. Insert the chassis end first and replace the nut and bolt. Do not fully tighten.



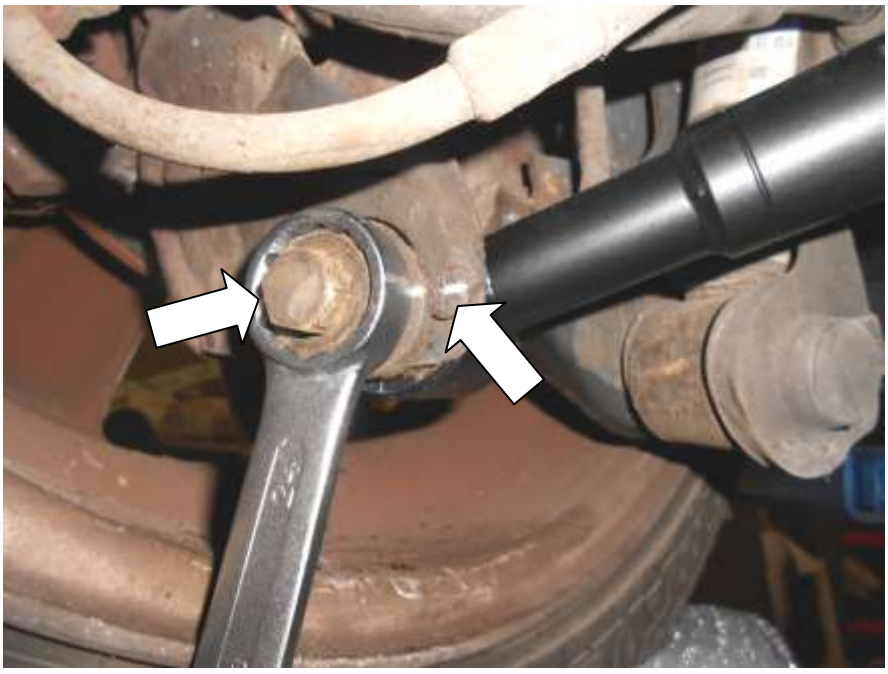

14. Push the wheel outwards to allow the other end of the tie- bar to push into position. You may need to undo one of the locking nuts to allow one end of the tie-bar to rotate if necessary.



15. Re-install the snail cam adjuster and bolt.

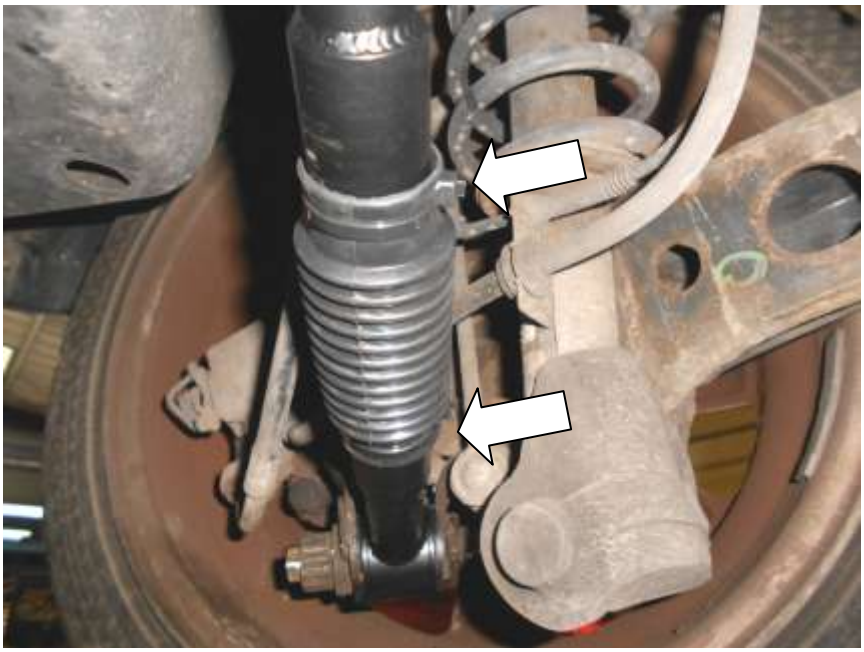


16. Using 24mm Ring-spanner rotate the snail cam adjuster into the position marked during disassembly. Using a 16mm socket and ½" ratchet tighten the centre bolt and lock the adjuster in position.



17. Fully tighten the top bolt.

18. Double check that both locking nuts are fully tightened on both tie-bars, slide the rubber covers into position and secure with the cable ties supplied, trim off excess any cable tie.



19. **We advise that you have the vehicle tracking checked after installation.**

20. Your installation should now be complete. Enjoy Your New Performance!

Check out WWW.FORGEMOTORSPORT.CO.UK and WWW.FORGEMOTORSPORT.COM

For a full range of performance products for your vehicle.

As always, with any questions or concerns about this product or anything else, please feel free to contact your local or preferred Forge Motorsport Dealer/ Installer, or you may contact us directly.

Forge Motorsport UK – (+44)1 452 380 999 / info@forgemotorsport.co.uk

Forge Motorsport US – (407)-447-5363 / sales@forgemotorsport.com

Engineered for performance