

RECOMMENDED TOOLS:

- Wrenches and sockets: 13mm, 15mm, 18mm, 19mm, 3/4"
- Hydraulic jack and jack stands
- Pry-bars and mallet
- Drill with 1/2" drill bit
- Angle finder

INSTALLATION:

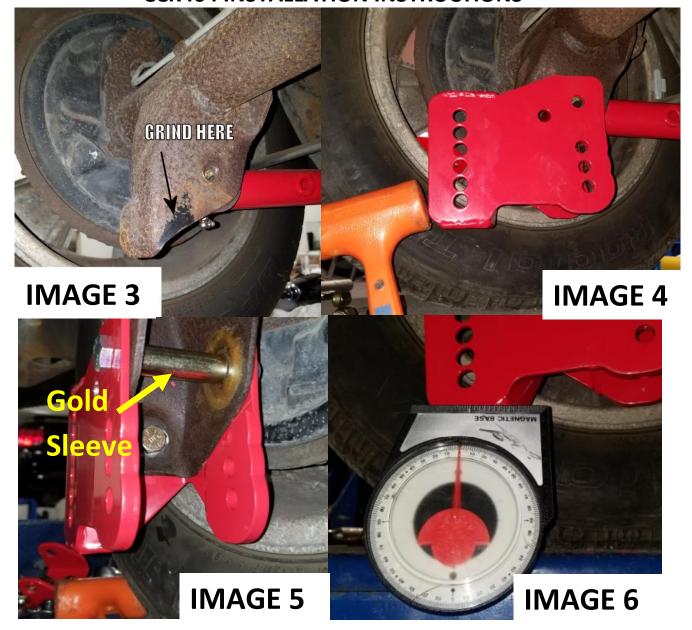
- Lift rear of vehicle and support with stands under the frame allowing the rear end to hang.
- 2. Remove the rear sway bar to allow better access to the work area.
- 3. Place a hydraulic jack under the rear end and lift just enough to take the tension off the shocks.
- 4. Loosen the lower shock bolts using an 18 mm socket.
- 5. Loosen the upper shock bolts with a 13mm socket then remove the shocks.
- 6. Lower the rear end and pull the springs out.
- 7. Begin with the upper coil-over brackets. Locate the appropriate side and bolt the BMR bracket to the upper shock mounting holes using the 3/8" bolts, nuts, and small gold washers. Tighten with a 9/16" wrench and socket. (IMAGE 1 above)
- Once the upper mounts are bolted into place, drill a 1/2" hole using the bracket as a drill guide. See IMAGE 2 for reference.
- 9. Use the 1/2" x 1.25" bolts, nuts, and gold washers in the previously drilled holes and tighten with a 3/4" wrench and socket.



IMAGE 1

10. Next, proceed to the lower mounts. Using an 18mm wrench and socket, remove the lower control arm bolt at the rear end.

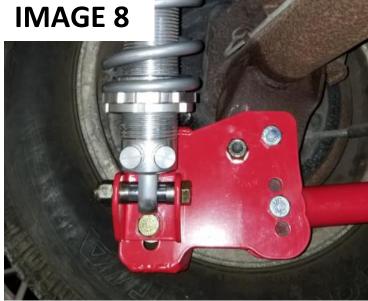




- 11. To fit the BMR bracket over the factory control arm mount it may be necessary to grind the raised part of the factory bracket shown in **IMAGE 3** on the following page.
- 12. Using a mallet or dead blow hammer, knock the BMR bracket over the control arm mount until the control arm bolt holes line up with the bracket (**IMAGE 4**). Using the provided gold sleeves and insert the bolt thought the stock Control Arm Bolt location as in **Image 5**.
- 13. Insert the bolt back through the original control arm hole and using an angle finder, make sure the bracket is level as shown in **IMAGE 6** before proceeding to the next step.







- 14. Insert a 1/2" x 1.25" bolt, nut, and gold washer into the original shock hole and tighten the 1/2" x 1.25" bolt using a 3/4" wrench and socket while keeping the mount level.
- 15. Drill a 1/2" hole through the factory control arm bracket using the hole in the BMR bracket as a drill guide. See **IMAGE 7** for reference. Insert a the 1/2" x 1.25" socket head cap screw, thin silver washer, and nut and tighten with a 3/4" wrench, allen key and socket.
- 16. Using 2 each of the ½" x 1.25" bolts, nuts and gold washers, use a 3/4" socket and wrench to install the adjustable coil over bracket. There are 5 total heights at ½" increments. We suggest that you start one hole up from the bottom and adjust your ride height from there to suit your needs.
- 17. Install your coil over using the thin silver washers and with the 2.5" long, ½" bolt for the upper mount and using the longer 3", ½" bolt for your lower mount. Use the included aluminum spacers on both sides of the lower shock mount as shown in **IMAGE 8** use a ¾" socket and wrench and tighten both shock mount bolts.
- 18. Once the brackets are installed, re-install your sway bar and slowly lower vehicle.

Torque Specs for Bolts:

- 3/8" Bolts (9/16 socket) = 35 ft-lb
- 1/2" Bolts (3/4 socket) = 75 ft-lb
- M12 Bolts (18mm socket) = 83 ft-lb







NOTE: VIKING COILOVERS CAN ALSO BE INVERTED TO REDUCE UN-SPRUNG MASS AND IMPROVE WEIGHT TRANSFER ON LAUNCH

BMR coil-over brackets will work with any coil-overs with the following recommended dimensions:

REQUIRED COIL-OVER SPECIFICATIONS:

- Bearing style ends suggested, bushing style ends not recommended
- Most coil-overs are available in two different mounting widths, 1" and 1.25". BMR brackets are designed to accommodate a 1.25" width.

Depending on the desired lowering amount, the following shock dimensions are recommended:

1-2" LOWERING:

Viking C207W (or equivalent) shock with 10" coil-over spring

Specs: Compressed height - 11.10 Extended height - 16.35 Shock stroke - 5.25

Recommended shock ride height - 13.25-14.25

2-3" LOWERING:

Viking C217W (or equivalent) shock with 10" coil-over spring

Specs: Compressed height - 10.48 Extended height - 15.13 Shock stroke - 4.65

Recommended shock ride height - 12.375-13.375