



## SP300 – G8 Lower Springs

### Tools Required:

- Metric socket and wrench set
- Hydraulic jack & jack stands or a lift
- Spring Compressor

### Front Instructions (SP301):

**NOTE:** *It is recommended that you replace you Front Strut Mount Bushings (BK011) and Front Strut mount Thrust Bearings (BK025) when lowering your vehicle. These items are prone to premature wear and if they are not replaced, they can cause unlevel settling of your vehicle. Both can be purchased from BMR Suspension.*



- 1) Raise vehicle and support with jack stands.
- 2) **Loosen and remove the end links** from the strut.
- 3) **Unhook the wheel speed sensor** from the spindle and **unclip it** from the **strut**.
- 4) **Loosen and remove any other brackets or brake hose brackets** connecting to the spindle or strut.
- 5) **Loosen and remove the brake caliper** and **suspend** the caliper with a zip tie or hook **away from the spindle and strut. Ensure that there is no tension on the brake hose.**
- 6) **Loosen and the remove the bolts holding the spindle to the strut.** Pivot the spindle forward away from the strut.
- 7) Under the hood, remove the dust boot from the **upper strut nut** and remove the **nut holding the strut** to the **upper strut mount**.
- 8) **Remove the strut** from the vehicle and using a **spring compressor**, remove tension from the spring on the strut.
- 9) **Take note of the orientation** of the factory spring top hat and **reuse the factory spring isolators** in the same manner. *It is recommended that you replace the factory upper strut mount isolators and thrust bearings. They are prone to premature failure.*
- 10) **Remove nut holding upper strut mount to shock shaft and discard old spring.** Using the **spring compressor** compress your **BMR Lowering Spring** to be able to **assemble the upper strut mount**
- 11) The upper spring top hat has a specific orientation, ensure that the ‘V’ notch on the top hat is pointing inward, towards the engine. *Failure to do this will result in a crooked ride height and extreme wear on upper strut mount bushing and thrust bearing.*
- 12) Re-install the strut assembly in reverse order, **torque all fasteners to factory specifications** and it is extremely important to have your vehicle **professionally aligned** after being lowered.



[WWW.BMRSUSPENSION.COM](http://WWW.BMRSUSPENSION.COM)

*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, buyer assumes all risk of any damage caused to vehicle/person during installation or use of this product.*



## SP300 – G8 Lower Springs

### Rear Instructions (SP302):

- 1) Raise vehicle and support with jack stands.
- 2) Using a hydraulic jack or screw jack, support the area under the lower shock bolt.
- 3) **Loosen and remove the end links** from the lower control arm.
- 4) **Loosen** the eccentric bolt holding the **lower control arm to the rear cradle**.
- 5) **Loosen and remove** the bolt holding the **lower control arm to the spindle**.
- 6) Loosen the bolt holding the **strut to the lower control arm**.
- 7) **Lower the control arm** using the hydraulic jack and **remove the bolt from the lower strut mount**.
- 8) With **tension off the lower control arm**, all the control arm to **hang freely**.
- 9) With the lower half of the strut free, **remove the bolts** holding the **upper strut mount to the chassis**.  
Remove strut.
- 10) With the strut removed, it may be necessary to **use a spring compressor** to compress the spring mounted to the strut to **remove the upper strut mount and remove and discard factory spring**.
- 11) **Take note of the orientation** of the factory spring and **reuse the factory spring isolators** in the same manner.
- 12) Using the **spring compressor**, compress your **BMR Lowering Spring** to be able to **assemble the upper strut mount**.
- 13) Re-install the strut assembly in reverse order, **torque all fasteners to factory specifications** and it is extremely important to have your vehicle **professionally aligned** after being lowered.



**WWW.BMRSUSPENSION.COM**

*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, buyer assumes all risk of any damage caused to vehicle/person during installation or use of this product.*