



# SP640 INSTALLATION INSTRUCTIONS

TBSS Front and Rear Lowering Springs

## Tools required:

- Trim Tool
- Standard and Metric Socket Set/ Wrench Set
- Hammer (Brass or non-marring recommended)
- Strut Spring Compressor

## Front Spring Instructions:

- 1) Raise vehicle and support with jack stands or lift.
- 2) Using a trim tool, remove the plastic clips holding the speed sensor with to the spindle.
- 3) Using a 10mm socket or wrench, remove the bracket holding the brake line to the back of the spindle as shown.
- 4) Using a 13mm, remove the brake caliper from the caliper bracket. Hang the caliper out of the way. Ensure that the brake hose is not under tension or being twisted/kinked.
- 5) Using a 9/16" socket and wrench, remove the end link from the lower control arm.
- 6) In order to have enough room to remove the strut, remove the bolt holding the upper control arm to the spindle using a 13/15mm socket and wrench. Pivot spindle forward. Ensure you are not pulling the brake line.
- 7) Using a socket and a wrench, remove the bolt holding the strut to the lower control arm.  
NOTE: In order to have enough clearance to remove the strut, you may also need to loosen and remove the bolt holding the base of the strut to the cast extension going to the control arm.
- 8) Using a socket on an extension, remove the three (3) nuts holding the strut to the upper strut mount from under the hood.
- 9) Using a spring compressor, compress the springs in order take load off of the upper spring perch. Using a 18mm socket on an impact, loosen the nut holding the upper spring perch to the shock shaft.
- 10) Remove spring and remove spring compressor
- 11) Compress spring and reinstall on to strut. Ensure that the pigtails align with the shock body and isolators. The BMR logo should be facing upward.
- 12) Re-install strut following the same instructions in reverse. Torque all fasteners to specification. See chart on the final page.

## Rear Spring Instructions:

- 1) Raise vehicle and support with jack stands or lift.
- 2) Support the rear end in the center with a hydraulic jack or screw jack
- 3) Using an 18mm socket and wrench, unbolt the lower shock bolts on both sides.
- 4) Lower the rear end with the hydraulic jack or screw jack.
- 5) With the rear end lowered, remove the springs.

**NOTE: if your vehicle is equipped with rear air springs, carefully remove them the same way you would a traditional spring. You will need to pull the fuse in order to disable the on-board air compressor.**

- 6) Reinstall new springs in the rear in reverse order, torque the lower shock bolts to 63ftlbs. The BMR logo should be facing upward.

[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.*



## SP640 INSTALLATION INSTRUCTIONS

TBSS Front and Rear Lowering Springs

### Torque Specs:

- Upper Control Arm Ball joint to Sindle: 30ft-lbs
- Upper Strut Nuts to Strut Tower: 32ft-lbs
- Lower Strut to "J" Stand: 52ft-lbs
- "J" Stand to Lower Control Arm: 82ft-lbs
- Brake Caliper to Caliper Bracket: 31lb-ft
- Shock Shaft Nut to Upper Spring Perch: 32ft-lbs
- Brake Hose Retaining Bracket: 89in-lbs



[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.*