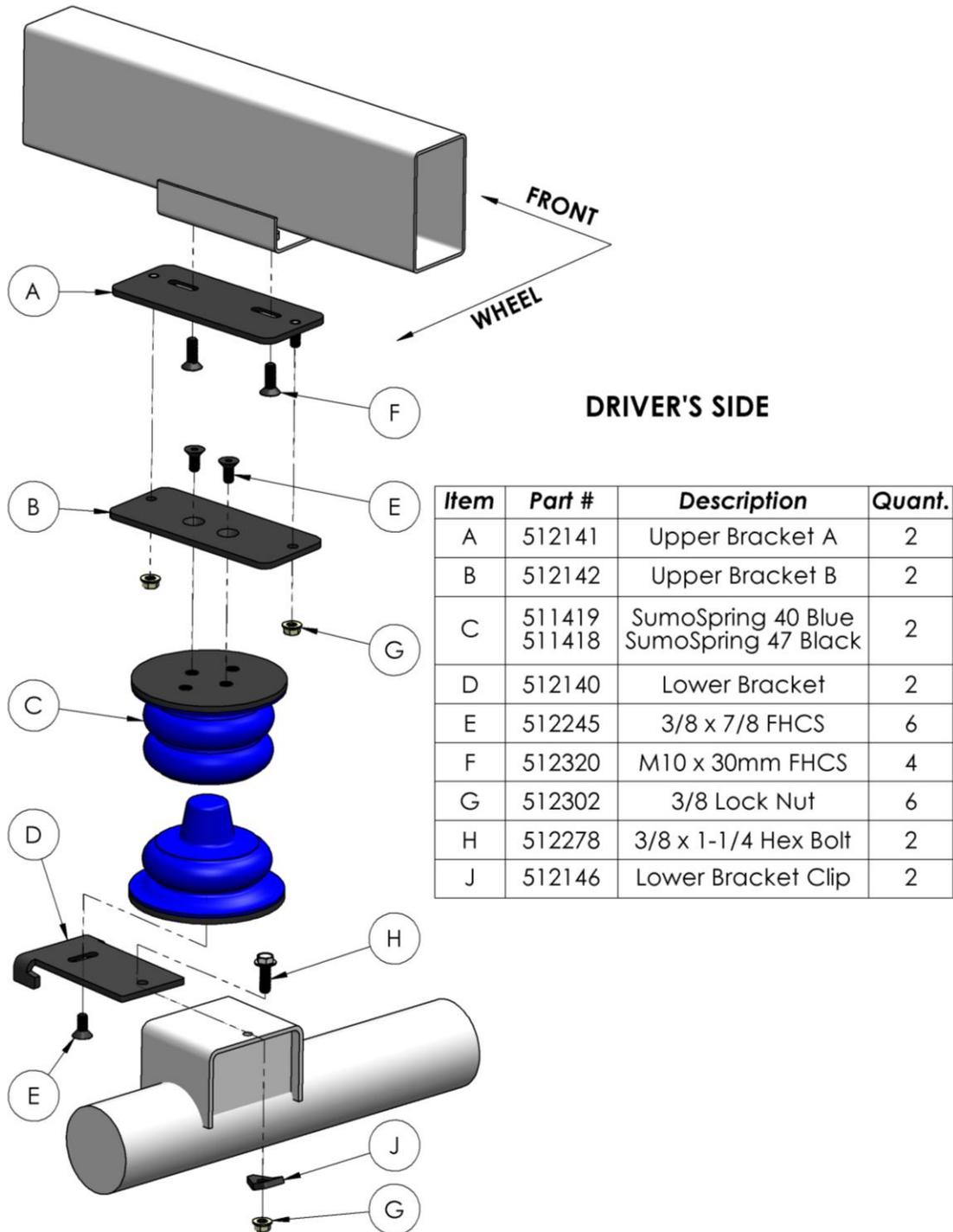


SumoSprings Rear

Dodge Ram 2500, 4WD, 2014-2018

Part #SSR-315-40-2 & SSR-315-47-2



Installation Instructions

- 1) Park vehicle on level hard surface. Place wheel blocks in front and behind the front wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
- 2) Raise the rear of the vehicle allowing the axle to hang free and rest the frame on the safety jack stands rated for the weight of the vehicle. Removal of the rear wheels is optional.
- 3) Starting on the driver's side un-bolt and remove the factory jounce bumper from the underside of the frame.
- 4) Attach Upper Bracket A (Item A) to the original bump stop location using two of the M10 Flat Head Cap Screws (Item F). Leave the screws slightly loose so that the bracket can be adjusted front to back.
- 5) Using the two 3/8-16 FHCS (item E), attach the Upper Bracket B (item B) to the top half of the SumoSpring (Item C). Place a drop of the blue locktite on the threads of each bolt and torque to 30 ft. lbs.
- 6) Attach the SumoSpring with Upper Bracket B to Upper Bracket A using two 3/8 Lock Nuts (Item G). Leave these nuts loose for now. See Figure 1.



Figure 1.

- 7) Attach Lower Bracket (Item D) to bottom half of SumoSpring (Item C) using one 3/8 FHCS (Item E). Leave bolt slightly loose so that SumoSpring position can be adjusted.
- 8) Place the Lower Bracket and bottom half of SumoSpring on top of the bump stop contact pad on the axle. The hooks of the bracket should be on the front side of the axle pad and will locate in the openings on the front side of the axle pad as the bracket is slid toward the rear of the truck. If needed, a soft mallet may be used to tap the bracket and fully seat the hooks onto the axle pad. See Figure 2.



Figure 2.

- 9) Once upper and lower components are in place, raise the axle with the jack so the weight of the truck is again on the suspension.
- 10) Adjust upper components front to rear and lower components left to right so that the top and bottom halves of the SumoSPring are aligned.
- 11) Mark the locations with a pencil and then lower the axle so the frame is supported by the jack stands and the axle is once again hanging freely.
- 12) Remove Upper Bracket B and SumoSPring assembly from Upper Bracket A. Keep Upper Bracket A aligned with marked location on frame and add a drop of Loctite to each of the M10 mounting bolts (Item F). Tighten them to 30 ft. lbs.
- 13) Reattach Upper Bracket B to Upper Bracket A using the two 3/8 Lock Nuts (Item G) and torque to 20 ft. lbs.
- 14) Remove the lower components from the axle. Be sure to keep the SumoSPring aligned with the marks made on the bracket. Add a drop of Loctite to the threads of the bolt (Item E) and tighten to 30 ft. lbs.
- 15) Place lower bracket and SumoSPring assembly back on the axle bump stop pad and position as in step 8.
- 16) Install one 3/8 x 1-1/4" hex bolt (Item H) downward through the hole in the rear of the lower bracket (Item D).
- 17) Slide the bracket clamp (Item J) up onto the bolt (Item H) and position so that the pointed end is under the edge of the lip of the axle bump stop pad and the squared end is bending up and contacting the rear edge of the lower bracket (Item D).

- 18) Thread the lock nut (Item G) onto the bolt (Item H). Ensure that the clamp (Item J) stays in position and tighten securely as seen in Figure 3. **NOTE: Do NOT over tighten the bolt to the point of bending the clamp or bracket.**



- 19) Repeat steps 3-18 on passenger side of truck.
20) If rear wheels were removed you can now reinstall the rear wheels and torque wheel nuts to manufacturers spec.
21) Jack up the vehicle and remove the safety jack stands.
22) Remove wheel blocks from the front wheels.
23) Fill out warranty card and send to SuperSprings.

Important Notice.

- 1) For easy installation please read instructions completely first and have all necessary tools available.
- 2) We recommend that this installation be done by a professional or persons with sound mechanical knowledge.
- 3) SumoSprings are designed to work with the original factory springs only. If they have been replaced with aftermarket springs then please consult with Supersprings International at 866-898-0720.
- 4) These instructions are meant as a guide for the installation of SumoSprings. SuperSprings International assumes no liability for the actual installation process. Installers should apply common automotive safety practices when raising, lowering and working on vehicles.
- 5) SumoSprings are designed to enhance the vehicles load carrying performance and road handling however it does not authorize (or recommend) loading beyond the manufacturer's GVWR specifications.
- 6) For technical support contact SuperSprings International at 866-898-0720.

To prevent damage to the vehicle and to ensure safety, do not exceed the maximum load recommended by the vehicles manufacturer (GVWR).