

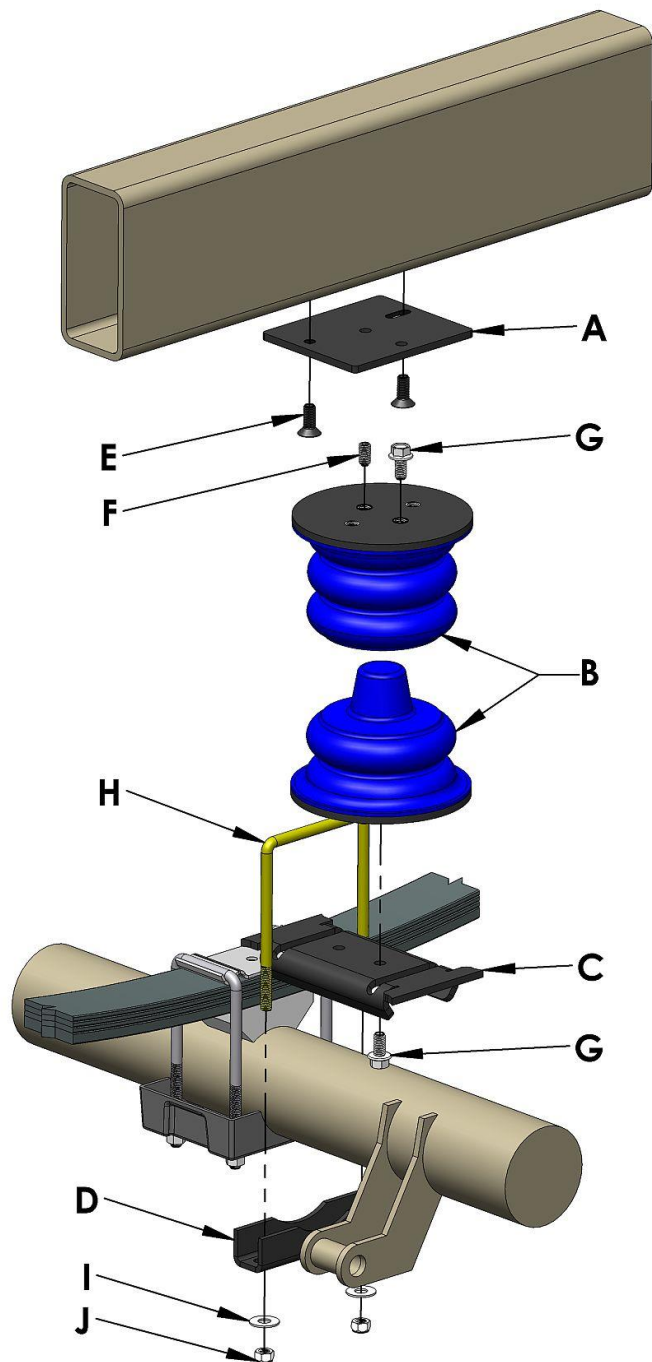
# SumoSprings Rear

Dodge 2500 2x4, 4x4 (2003-2013) / 3500 2x4, 4x4 (2002-present)

Part #SSR-301-40-2 ~ SSR-301-47-2

## Installation Instructions

Driver's side (Passenger's side similar)



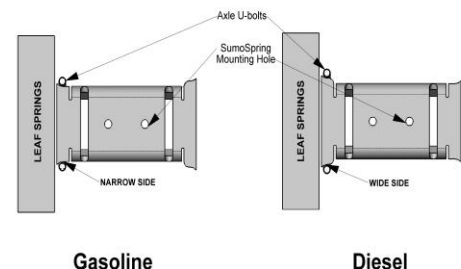
### Parts List

Item	Part #	Description	Quant.
A	512018	Upper bracket	2
B	511419 511418	Sumo Spring (blue) or Sumospring (black)	2 or 2
C	512019	Lower bracket	2
D	512021	Bail-clamp bracket	2
E	512238	M10 x 25mm FHCS	4
F	512263	3/8-16 x 3/4" setscrew	2
G	512207	3/8-16x3/4" serrated flange hex bolt	4
H	512230	Bail-clamp (u-bolt)	2
I	512227	3/8 flat washer	4
J	512234	3/8-16 top-lock nut	4
K	512239	Loctite	1

### Tool List

Floor Jack	1
Jack stands	2
Wheel blocks	4
9/16" wrench	2

### Lower Bracket Orientation



Gasoline

Diesel

## **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 vehicle. Removal of the rear wheels is optional.
- 3) Remove the factory jounce bumpers from the underside of the frame and set aside for possible re-installation in the eventuality that the SumoSprings may be removed at a later date.
- 4) Starting on the driver's side remove the pre-assembled SumoSpring/upper bracket assembly (item A & B upper) and a lower bracket assembly (item B lower & C) from the box. Based on the "Lower bracket orientation" diagram above confirm the orientation to achieve a snug fit between factory u-bolts and spring-pack by "tilt and twist" action. Please note that the Diesel truck utilizes the wider locking tabs and the Gas truck utilizes the narrower locking tabs. You may need to detach the lower bracket assembly to achieve this then re-attach the lower bracket C to the underside of the SumoSpring lower half using the 3/8-16x3/4" serrated flange bolt and utilizing the mounting hole as indicated above and tighten all bolts.
- 5) Taking up the upper bracket assembly detach plate bracket A from the Sumospring Rebel upper by removing the 3/8-16 x 3/4" serrated flange bolt. Then attach plate bracket A to the underside of the frame using two M10 x 25mm FHCS provided (Item E) using the same apertures from which the bump-stop was removed. Then re-attach the upper Sumospring Rebel as before utilizing the 3/8-16 setscrew for location and the same 3/8-16 x 3/4" serrated flange bolt.
- 6) Place the lower assembly on the driver's side axle housing in a 'tilt and twist' action so as to snugly engage the bottom bracket (as marked in 4 above) between the factory u-bolts and the factory spring-pack (see lower bracket orientation above).
- 7) Place the square u-bolt (item H) in the slot in lower bracket closest to the wheel. Attach the u-bolt bracket (item D) under the axle to the u-bolt using 3/8-16 top-lock nuts (item J) and washers (item I) and secure tightly.
- 8) Re-tighten all bolts.
- 9) Repeat steps three through eight on the passenger's side of the vehicle.
- 10) If rear wheels were removed you can now reinstall the rear wheels.
- 11) Jack up vehicle, remove safety jack stands and carefully lower the vehicle to the hard surface.
- 12) Remove wheel blocks from the front wheels.
- 13) Fill out warranty card and send to SuperSprings. The warranty card is an attached document.

### **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).***

# SumoSprings Rear

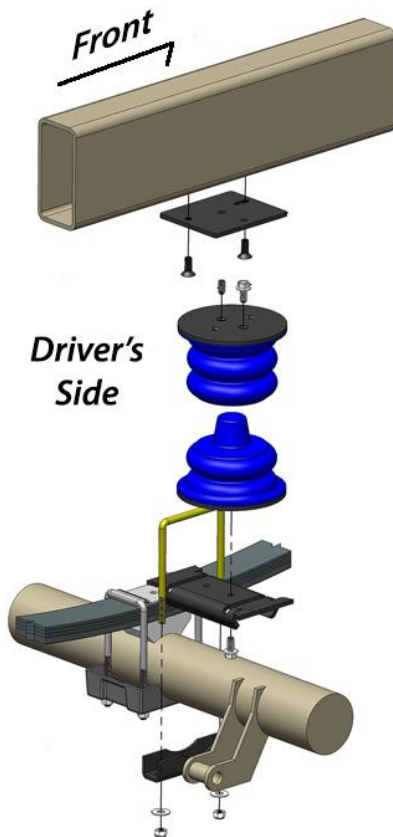
Suspension Enhancement

Dodge 2500 Pick-up [2003 ~ 2013] ~ 3500 Pick-up [2003 ~ present]

SumoSprings Part# SSR-301-40-2 ~ SSR-301-47-2



Passenger Side



Installation

SSR-301-40~47-2

Installed

Refer to SumoSprings application guide for part selection [www.supersprings.com](http://www.supersprings.com) [Tech line #866-898-0720]  
SumoSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR rating.