

# SumoSprings Rear



Suspension Enhancement

GM 1500 Pick-up 2x4, 4x4 [1999 ~ present]

SumoSprings Part# SSR-209-40

SSR-209-47 & SSR-209-54 used only on constantly loaded commercial applications



Heavy Duty

Extra Heavy Duty



OE

SSR-209-40

Comparison



Older 2x4 OE bumpstop



Late model 2x4, 4x4  
OE bumpstop  
with bracket extender



Older model 4x4 OE  
bumpstop with bracket



SSR-209-40 with urethane  
spacer on older 2x4



SSR-209-40 heavily loaded

Use supplied washers with  
older 4x4 installations

Reference installation  
instructions for specifics  
on installation of the  
offset plate for year models  
and 2x4, 4x4 differences.



SSR-209-40 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.

## **Installation Instructions**

- 1) Park vehicle on level hard surface. Engage emergency brake. Place blocks in front and behind front wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
- 2) Raise rear of vehicle allowing the axle to hang freely. Support the frame using safety jack stands.
- 3) Remove existing factory jounce bumper assembly by unscrewing the M10 bolt.
- 4) On older 4x4 models install the off-set plate using the 10mm FHCS and nut and washer. Add sufficient washers to support between the underside of the frame bracket and the top of the offset plate. Orient with the offset stud to the rear. Secure plate to OE bracket.
- 5) On older 2x4 models remove the OE bumpstop and cup using the 15mm socket. Before securing the offset plate to the frame insert the ½" urethane washer on the 10mm FHCS. Secure the offset plate to the underside of the frame using the existing OE bumpstop bolt hole with the 10mm FHCS and nut and washer. Orient the offset stud to the rear.
- 6) On late model 2x4, 4x4 trucks the OE bumpstop is bolted to a cup bracket that is welded to the underside of the frame. Unbolt the OE bumpstop. Secure the offset plate to the OE cup bracket using the 10mm FHCS and nut and washer. Orient the offset stud to the rear.
- 7) Apply loc-tite to the threaded stud protruding from the underside of the offset plate. Then screw the SumoSprings onto the stud until tight.
- 8) Repeat procedure on the other side.
- 9) Jack up vehicle, remove safety jack stands.
- 10) Carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels.
- 11) Release emergency brake.
- 12) Fill out warranty card and send to SuperSprings. The warranty card is on the reverse side of this page.

### **Tool List**

• Floor Jack	1
• Jack Stands	2
• Wheel Blocks	4
• Socket Wrench	1
• M17 Socket	1
• M15 Socket	1
• Allen Wrench	1

### **Parts List**

• SumoSprings	2
• Off-set plate	2
• Urethane spacer	2
• 10M Nut FHCS	2
• M10 Nut	2
• 10M washers	18
• Lock-Tite sachet	1

### **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).***