

PART NUMBER

**SSR-140-47/54**



**BEFORE YOU BEGIN**

**PRIMARY APPLICATIONS**

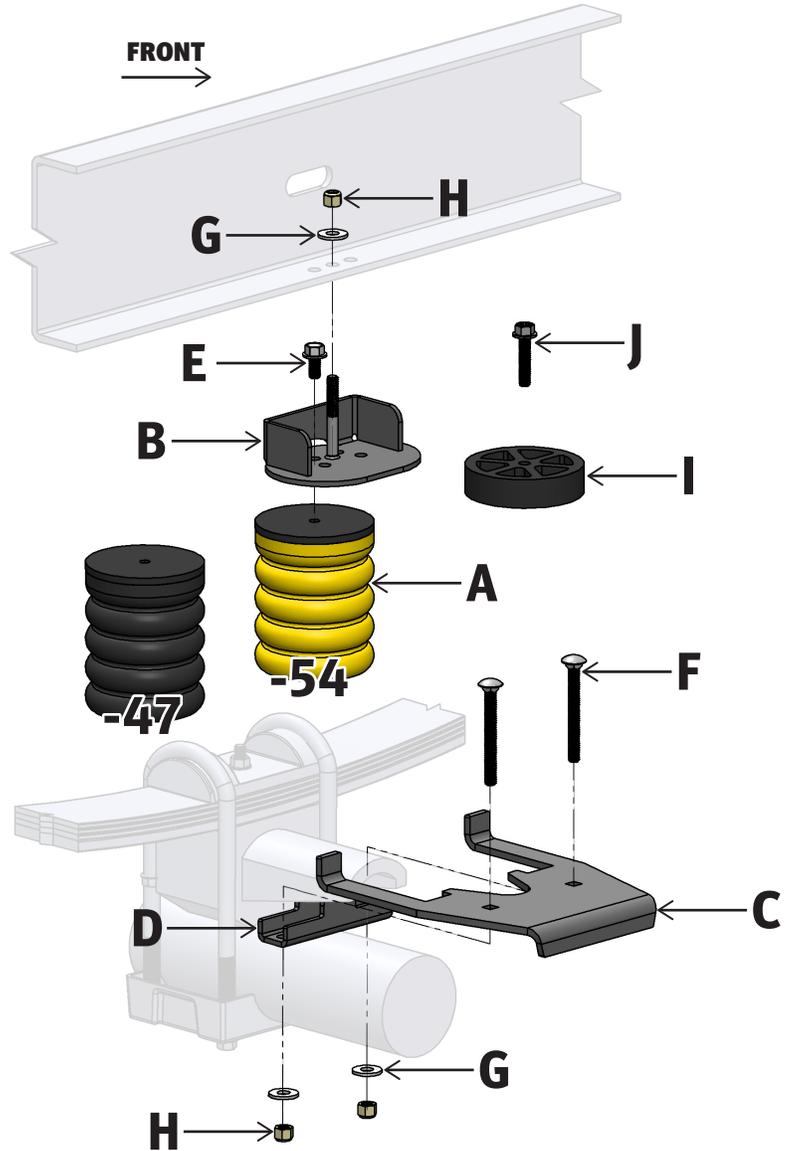
- > Ford F-250 Super Duty 4 X 4 (1999 - 2016)
- > Ford F-350 Super Duty 4 X 4 (1999 - 2016)

**TOOLS REQUIRED**

- > Floor Jack
- > Jack Stands
- > Wheel Chocks
- > 9/16" Wrench
- > 9/16" Socket

**PARTS LIST**

Item	Part #	Description	QTY
A	511421-38	SumoSprings Black -47	2
	511404-38	SumoSprings Yellow -54	
B	512349	Mounting Bracket	2
C	512155	Contact Plate	2
D	512150	Clamping Bracket	2
E	512207	3/8-16 x 3/4" Flange Bolt	2
F	512211	3/8 x 3 1/2" Carriage Bolt	4
G	512227	3/8 Flat Washer	6
H	512323	3/8-16 Nyloc Nut	6
I	512117	1" Spacer	2
J	512274	3/8 x 1 3/4" Flange Bolt	2



**DRIVER SIDE (PASSENGER SIDE SIMILAR)**

**Part Number: SSR-140-47/54**

**Product Line: SUMOSPRINGS REAR**

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Questions or Concerns?

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or visit:  
[superspringsinternational.com](http://superspringsinternational.com)

**SAFETY NOTICE:** We recommend installation be done by a professional or persons with sound mechanical knowledge.

**WARNING:** These instructions are a general guide for installation. SuperSprings International (SSI) assumes no liability for the actual installation process. Consumers and installers should apply common automotive safety practices when raising and working on any vehicle. **Do not put yourself in a position where, if the vehicle were to move unexpectedly, you may be injured.** SSI's products are designed to improve vehicle ride quality. Do not load any vehicle beyond the manufacturer's specifications.

Never exceed the manufacturer's Gross Vehicle Rating (GVWR) located on your vehicles identification tag.

**BEFORE INSTALLATION:** Ensure the vehicle is on a hard level surface, the parking brake is ON, with the ignition OFF, and place chocks in front of and behind the tires to prevent the vehicle from moving.

**DURING AND/OR AFTER INSTALLATION:** Ensure emergency brake cables are not touching the SSI products. Secure any cables out of the way with zip ties or by re-routing. Ensure all A/C lines, brake cables, and frame are clear of contact or interference.

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**INSTALLATION**

1. Park vehicle on level hard surface. Place wheel chocks 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 side unbolt and remove the factory bump stop from the underside of the frame and set aside. Some older model trucks have convoy clips that will interfere with the brackets. The convoy clips need to be removed before installation of the SumoSprings. To remove the convoy clips, grind or drill out the rivets that hold it to the frame.
4. Assemble the parts as indicated in the diagram. Attach the SumoSprings [ITEM A] to the Mounting Bracket [ITEM B] using the 3/8-16 x 3/4" bolt [ITEM E]. Be sure to use the hole that will be closest to the rear and furthest outboard toward the wheel of the vehicle.
5. Attach the Mounting Bracket [ITEM B] to the underside of the frame using the 3/8 Flat Washer [ITEM G] and 3/8-16 Nut [ITEM H]. Install mounting stud in the same hole as the factory bump stop.
6. If more support is required, install the 1" Spacer [ITEM I] between bracket and SumoSprings using the 3/8-16 x 1 3/4" bolt [ITEM J].
7. Place the Contact Plate [ITEM C] onto the bump stop contact perch and slide the two legs under the leaf pack so that the two tangs are facing up on the outside of the leaf pack when the contact plate sits flat on the contact perch.
8. Place two 3/8-16 x 3 1/2" Carriage Bolts [ITEM F] through the square holes in the Contact Plate [ITEM C].
9. Slide the Clamping Bracket [ITEM D] under the contact perch with the rounded tabs facing up into the recess of the contact perch and position the carriage bolts [ITEM F] through the holes of the Clamping Bracket [ITEM D].
10. Using one 3/8 Flat Washer [ITEM G] and 3/8-16 Nut [ITEM H] on each Carriage Bolt [ITEM F] secure the Contact Plate [ITEM C] to the contact perch. Tighten securely, but do not over tighten or the brackets could bend.
11. Repeat steps 3 through 10 on the passenger side of the vehicle.
12. If rear wheels were removed you can now reinstall the rear wheels and torque wheel nuts to manufacturers specification.
13. Jack up vehicle, remove safety jack stands. Remove wheel chocks from the front wheels.
14. Register the warranty for your SuperSprings International part. A warranty card can be found in the box your part came in.

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