

PART NUMBER

SSR-339-40-2/47-2



BEFORE YOU BEGIN

PRIMARY APPLICATIONS

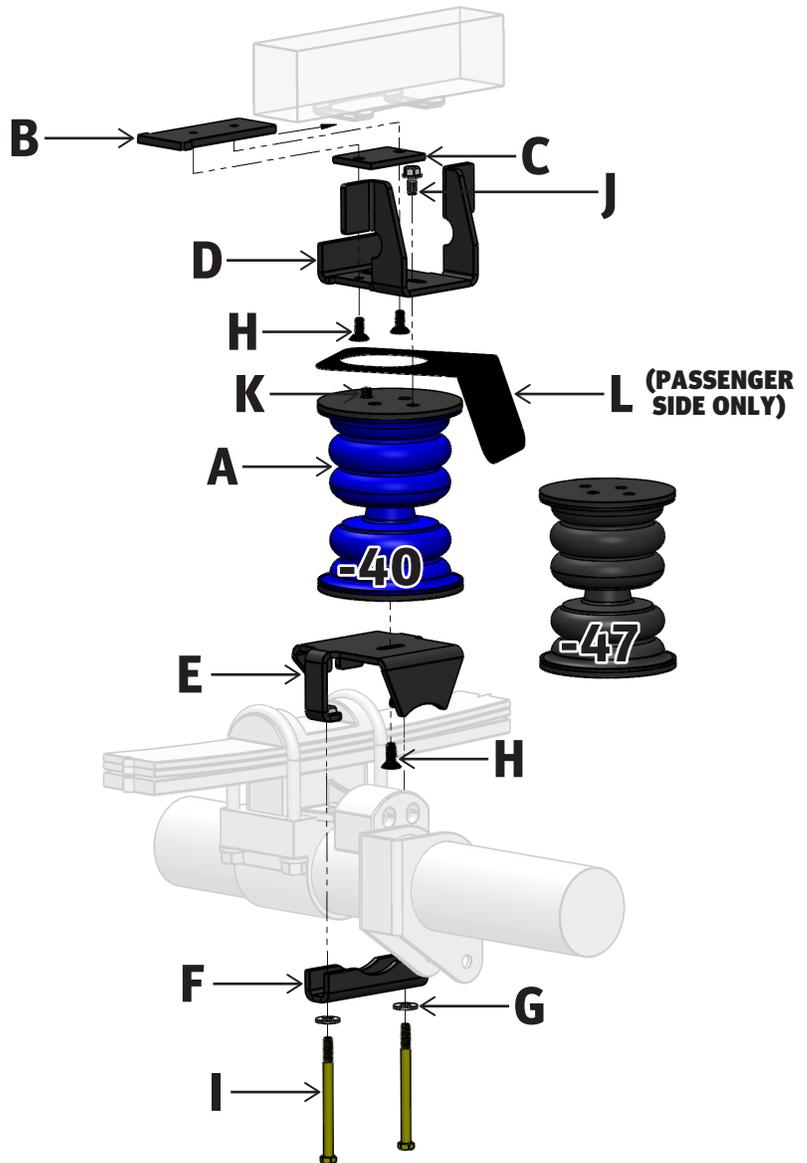
- > Freightliner Sprinter 3500 4 X 4 (2015 - 2018)
- > Mercedes-Benz Sprinter 3500 4 X 4 (2015 - 2018)

TOOLS REQUIRED

- > Floor Jack
- > Jack Stands
- > Wheel Chocks
- > 9/16" Wrench
- > 9/16" Socket
- > 7/32" Allen Key

PARTS LIST

Item	Part #	Description	QTY
A	511419	SumoSprings Blue -40	2
	511418	SumoSprings Black -47	
B	512082	Upper Clamp Plate	2
C	512083	Spacer Plate	2
D	512132	Upper Mounting Bracket	2
E	512131	Lower Mounting Bracket	2
F	512021	Axel Clamp Bracket	2
G	512227	3/8 Flat Washer	4
H	512245	M8 x 25mm FHCS	6
I	512343	3/8-16 x 5" Hex Bolt	4
J	512207	3/8-16 x 3/4" Flange Bolt	2
K	512263	3/8-16 x 3/4" Set Screw	2
L	512078	Heat Shield	1



DRIVER SIDE (PASSENGER SIDE SIMILAR)

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Product Line: SUMOSPRINGS REAR

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Questions or Concerns?

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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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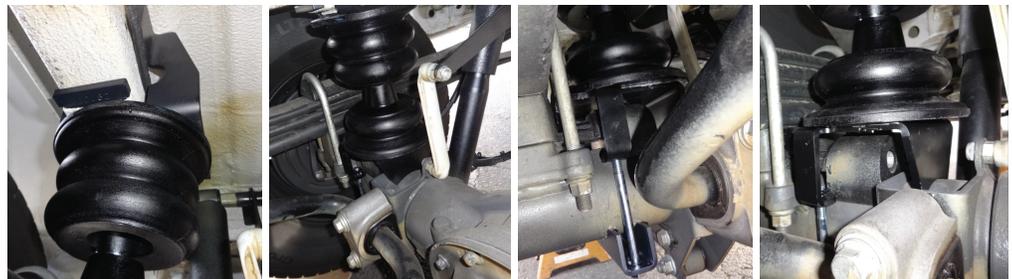
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INSTALLATION

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 vehicle. Removal of the rear wheels is optional.
3. Starting on the driver side, remove the factory bump stop from the underside of the frame and set aside. These can be removed by pulling sideways firmly and rotating them out of the holders.
4. Remove the upper bracket assembly [ITEM A, B, & C] from the box. Slide the Upper T-bracket [ITEM A] into the bump-stop holder bracket underside the frame from the rear. Attach the Upper Frame Bracket [ITEM C] and upper spacer [ITEM B] to the upper T-bracket using two 3/8-16 x 7/8" FHCS [ITEM H]. Apply a drop of Blue Thread Locker and secure tightly. Ensure you orientate the upper frame bracket with the two vertical flanges inside the frame away from the wheel.
5. Remove the lower bracket assembly [ITEM E & F] from the box. Then attach the Lower Bracket [ITEM E] to the lower half of the SumoSpring using a 3/8-16 x 7/8" FHCS [ITEM H]. DO NOT apply Blue Thread Locker at this stage and leave the bolt slightly loose to allow for alignment with upper half of SumoSpring.
6. Install the Set Screw [ITEM K] into one of the holes of the wider bolt pattern on top of the upper half of the SumoSpring so that it is sticking out 3/16 of an inch.
7. Set the upper half of the SumoSpring on top of the lower and place the assembly on the driver side axle housing with the lower bracket outboard cut-out located on the flange that extends from the spacer block between the factory u-bolts and against the factory spring-pack.

8. Align the Set Screw [ITEM K] with the outer hole in the upper bracket and bolt the upper half of the SumoSpring to the upper bracket using one 3/8-16 x 3/4" Flange Bolt [ITEM J]. Before tightening the bolt, align the upper and lower halves of the SumoSpring.
9. After aligning the SumoSpring halves, tighten the upper bolt and use a marker or scribe to mark the location of the lower half on the lower bracket. Remove the lower assembly from the axle, apply a drop of Blue Thread Locker to the bolt and securely fasten it in the correct position.
10. Attach the lower bracket assembly to the axle using the under axle bracket [ITEM F] and two 3/8-16 x 5" hex bolts [ITEM I] and two 3/8 Flat Washers [ITEM G]. Apply a drop of Blue Thread Locker to the bolt threads and tighten securely but take care not to over tighten and bend the lower SumoSpring bracket.
11. Repeat steps 3 through 10 on the passenger side of the vehicle. Be sure to install the exhaust heat shield [ITEM L] between the upper bracket and SumoSpring and position accordingly.
12. If rear wheels were removed you can now reinstall the rear wheels.
13. Jack up vehicle, remove safety jack stands and carefully lower the vehicle to the hard surface. 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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