

PART NUMBER

SSR-343-40/47-2



INSTALLATION VIDEO: To see a video of this install, please visit our youtube page - [youtube.com/superspringsinternational](https://www.youtube.com/superspringsinternational).
Install - <https://youtu.be/ooVeEb3vfyc>

BEFORE YOU BEGIN

PRIMARY APPLICATION

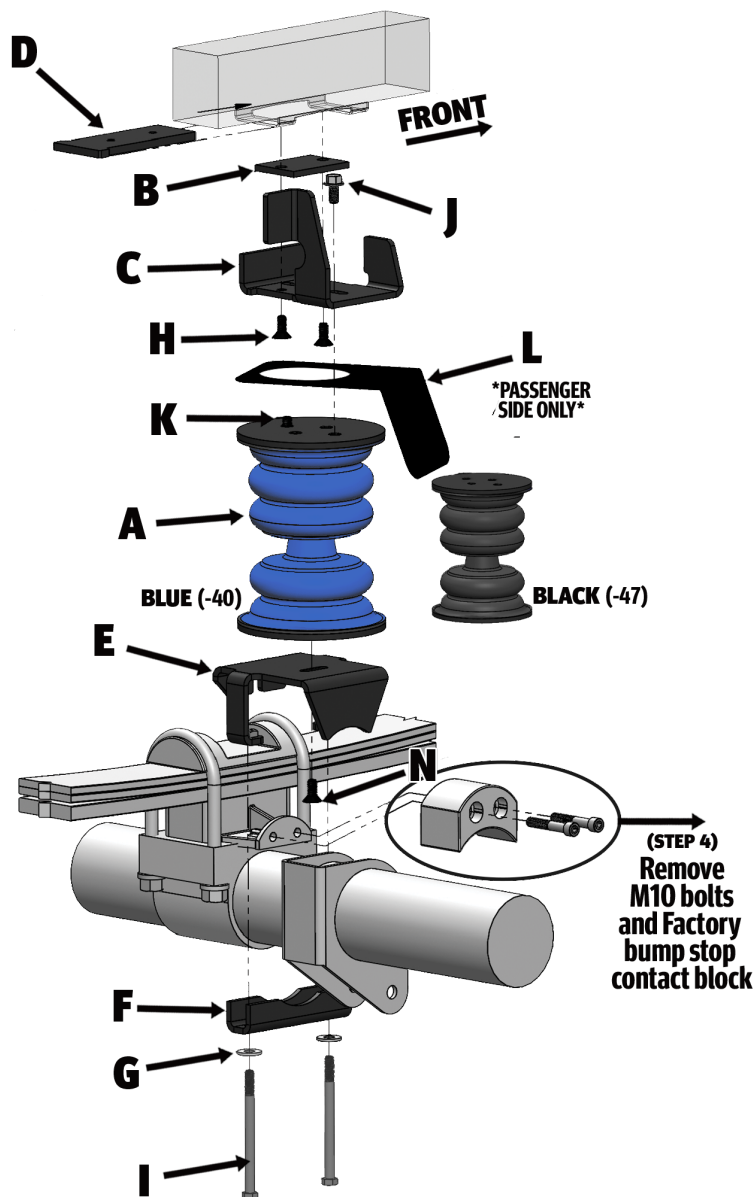
- › Mercedes Sprinter 3500 4WD (2019- present)

TOOLS REQUIRED

- › Floor jack
- › Safety jack stands
- › 9/16" wrench
- › 9/16" socket wrench
- › 7/32" allen key
- › T50 torx Key

PARTS LIST

Item	Part #	Description	QTY
A	511415	SumoSprings Blue -40	2
	511412	SumoSprings Black -47	
B	512083	Rear Bracket Spacer Plate	2
C	512132	Top Bracket	2
D	512082	Rear T-Bracket	2
E	512131	Bottom Bracket	2
F	512021	SumoSprings Under Axle Bracket	2
G	512227	3/8" USS Flat Washer	4
H	512245	3/8" - 16 x 7/8" Flat-head Cap Screw	6
I	512343	3/8" -16 x 5" Hex bolt	4
J	512207	3/8" -16 x 3/4" Serrated-Flange Bolt	2
K	512263	3/8" -16 x 3/4" Socket Set Screw	2
L	512078	Heat shield (Passenger Side Only)	1
M	512239	Loctite Sachet (not in diagram)	1



PASSENGER SIDE (DRIVER'S SIDE SIMILAR)

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› Product Line: SUMOSPRINGS REAR

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SuperSprings International, Inc.

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Installation Support

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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, Inc. 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.** SuperSprings' 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 level surface, the parking brake is ON, with the ignition OFF, and place blocks in front of and behind the front tires to prevent the vehicle from moving.

DURING AND/OR AFTER INSTALLATION: Ensure emergency brake cables are not touching the SuperSprings. 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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IMPORTANT NOTICE: Your part may have been loosley preassembled to show the final product as it will be once installed on your vehicle. Please disassemble the product before proceeding to the installation.

INSTALLATION

1. Park the vehicle on a hard, level surface and engage the emergency brake. Place blocks in front and behind the wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
2. Raise the vehicle until the axle hangs free. Rest the frame on safety jack stands rated for the weight of the vehicle. Removal of the wheel is optional.
3. Starting on either side – remove the factory bumpstop from the underside of the frame and set aside. These can be removed by firmly pulling sideways and rotating them out of the holders.
4. Using a T50 Torx bit, remove the two M10 bolts that hold the factory bumpstop contact block to the block between the axle and leaf springs.
5. Slide the Rear T-Bracket [ITEM D] into the bump-stop holder bracket on the frame from the rear. Attach the Top Bracket [ITEM C] and the Rear Bracket Spacer Plate [ITEM B] to the Rear T-Bracket [ITEM D] using two 3/8" - 16 X 7/8" FHCS [ITEM H]. Use the supplied loctite and secure tightly. Position the two vertical flanges on the Top Bracket [ITEM C] inside the frame away from the wheel.
6. Attach the Bottom Bracket [ITEM D] to the bottom half of the SumoSPrings [ITEM A] using a 3/8" - 16 x 7/8" FHCS [ITEM H]. DO NOT apply Loctite at this stage and leave the bolt slightly loose to allow for alignment with top half of SumoSPrings.
7. Locate the wider bolt pattern on the top half of the SumoSPrings. Install the 3/8" - 16 X 3/4" Socket Set Screw [ITEM K] into one of the holes so that it is sticking out 3/16 of an inch.
8. Place both halves of the SumoSPrings together and set the assembly on the driver's side axle with the bottom bracket positioned as seen in the diagram.
9. Align the 3/8" - 16 X 3/4" Socket Set Screw [ITEM K] with the outer hole of the top bracket. Bolt the top half of the SumoSPrings assembly to the top bracket using one 3/8" - 16 X 3/4" Serrated-Flange Bolt [ITEM J]. Before tightening the bolt, align the top and bottom halves of the SumoSPrings.
10. Attach the bottom bracket assembly to the axle using the SumoSPrings Under Axel Bracket [ITEM F] two 3/8" - 16 X 5" Hex bolts [ITEM I], two 3/8" USS Flat Washers [ITEM G]. Apply Loctite to the bolt threads and tighten securely but take care not to over tighten and bend the bottom SumoSPrings bracket.
11. Repeat steps three through ten on the passenger's side of the vehicle. Be sure to install the exhaust heat shield [ITEM L] between the top bracket and SumoSPrings and position accordingly.
12. Raise the vehicle, remove safety jack stands, and carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels and release the emergency brake.
13. 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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