

PART NUMBER

**SSF-170-40-2**



**BEFORE YOU BEGIN**

**PRIMARY APPLICATION**

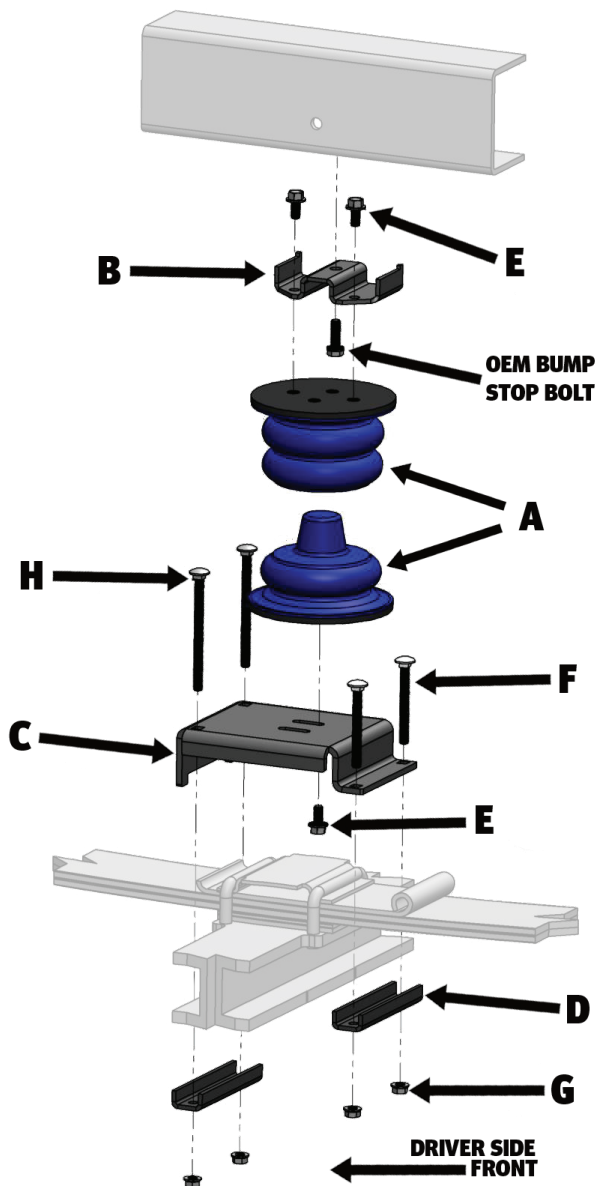
- › Ford F53 2WD, GVWR 16k-22k (2008-present)

**TOOLS REQUIRED**

- › Floor jack
- › Safety jack stands
- › 15 & 17mm sockets
- › 9/16 wrench
- › 9/16 socket
- › Ratchet & extensions

**PARTS LIST**

Item	Part #	Description	QTY
A	511419	Rebel SumoSprings	2
B	512347	Upper Bracket	2
C	512034	Lower Bracket	2
D	512042	U-bracket Strap	4
E	512207	3/8-16 x 3/4" Serrated Flange Hex Bolt	6
F	512211	3/8-16 x 3.5" Carriage bolts	4
G	512302	3/8-16 Locking flange nut	8
H	512360	3/8-16 x 5.5" Carriage bolts	4



**PASSENGER SIDE (DRIVER'S SIDE SIMILAR)**

**Part Number: SSF-170-40-2**

**Product Line: SUMOSPRINGS FRONT**

**Page 1**

**SuperSprings International, Inc.**

505 Maple Avenue  
Carpinteria, CA 93013

**Installation Support**

+1 (800) 898-0705  
support@supersprings.com

**superspringsint.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, 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.**

**REV. 001 | JULY 2021**

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**IMPORTANT NOTICE:** Your part may have been loosely 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 bump stop from the underside of the frame. Save the factory hardware for the installation of the upper bracket [ITEM B].
4. Insert two 3/8-16 flanged hex bolts [ITEM E] into the outside holes of the upper bracket [ITEM B] and allow it to hang freely. Using the factory bump stop bolt and nut you saved, attach the upper bracket [ITEM B] to the bottom of the frame in the same position as the factory bump stop.
5. Bolt the upper half of the SumoSpring [ITEM A] to the upper bracket [ITEM A] using the previously installed bolts and tighten securely with a wrench.
6. Attach the lower bracket [ITEM C] to the bottom half of the SumoSpring [ITEM A] in the correct orientation using a single 3/8"-16 flanged hex bolt [ITEM E].  
NOTE: *The lower bracket attachment utilizes the inside slot or the slot closest to the frame (or furthest from the wheel). Leave this bolt loose for now.*
7. Place the lower bracket with the attached SumoSpring onto the leaf pack above the axle. Adjust the position of the lower half of the SumoSpring to align with the upper half and mark its position on the lower bracket with a pencil. Remove the lower assembly from the leaf pack and securely tighten the bolt while keeping the SumoSpring in the marked position.
8. Insert two 3/8"-16 X 3 1/2" and two 3/8"-16 X 5.5" carriage bolts [ITEM F&H] through the four square openings in the lower bracket and place the lower assembly back on the leaf pack. Be sure that upper and lower SumoSpring halves are aligned.
9. Attach the u-bracket straps [ITEM D] to the carriage bolts using four 3/8" top-lock nuts [ITEM G]

[NOTE: Carriage bolts may need to be at a slight angle to allow the use of a socket.]

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**INSTALLATION**

**10.** Repeat steps 3 - 9 on the other side of the vehicle.

[NOTE: The factory bump stop on the passenger side utilizes a weld-nut on the inside of the frame, so you will only remove the bolt.]

**11.** Raise the vehicle to allow room to remove the safety jack stands, carefully lower your vehicle to the hard surface, and remove the blocks from the wheels.

**12.** Register the warranty for your SuperSprings International part. A warranty card can be found in the box your part came in.