

PRIMARY APPLICATION

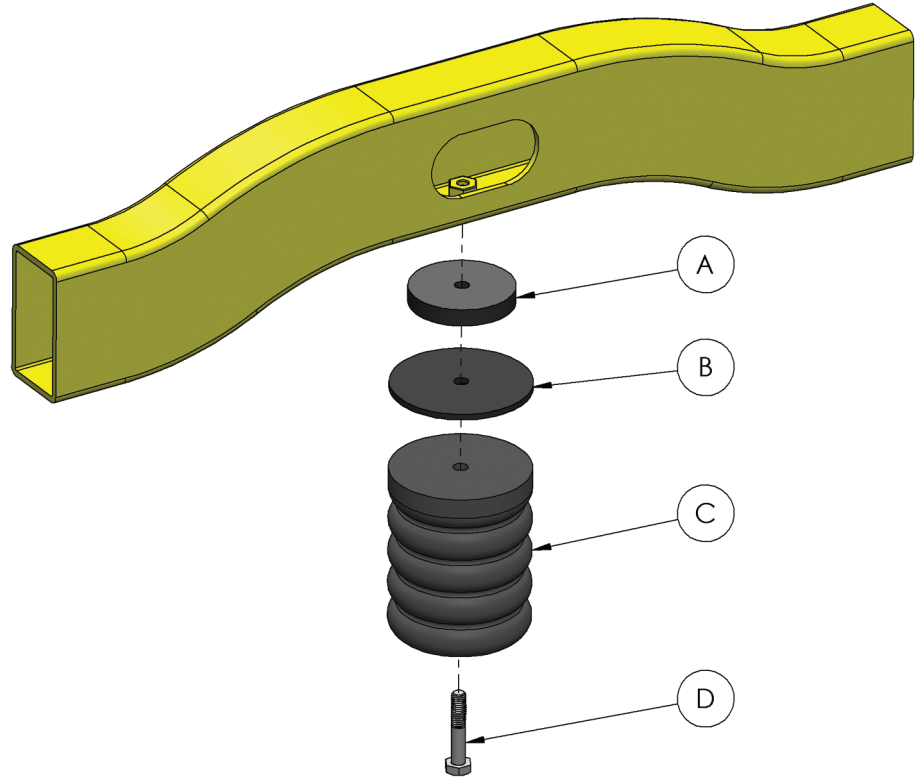
FORD
Ranger 4x2 (2019-2020)
Ranger 4x4 (2019-2020)

TOOLS REQUIRED

- 1 Floor Jack
- 2 Jack Stands
- 4 Wheel Blocks
- 1 Ratchet
- 1 17mm Socket
- 1 6" Socket Extension

PARTS LIST

Item	QTY	Part#	Description
A	2	512116	3" x 1/2" Spacer
B	2	512313	4" Washer
C	2	511457	SumoSprings Black (-47)
D	2	512328	M10-1.5 x 55mm Hex Bolt
E	1	512239	Loctite



APPROXIMATE INSTALL TIME

🕒 1 Hour

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 by twisting and pulling it out of the cup on the frame.
4. Unbolt and remove the cup from the frame.
5. Place the **M10 hex bolt (ITEM D)** through the hole in the **SumoSprings Black [-47] (ITEM C)** so the threads are protruding from the top.
6. Place the **4" washer (ITEM B)** onto the **M10 hex bolt (ITEM D)**.
7. Place the **3" x 1/2" spacer (ITEM A)** onto the **M10 hex bolt (ITEM D)**.
8. Place a drop of Loctite on the threads of the **M10 hex bolt (ITEM D)**.
9. Thread the **M10 hex bolt (ITEM D)** into the existing hole in the frame and tighten to 25 ft. lbs.
10. Repeat procedure on the other side.
11. Raise the vehicle, remove safety jack stands.
12. Carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels.
13. Release emergency brake.
14. Fill out warranty information at: supersprings.com/warranty/

SuperSprings International, Inc.

505 Maple Avenue
Carpinteria, CA 93013

Technical Support

+1 (805) 745-5553
tech@supersprings.com

supersprings.com



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

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.

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.**