

PART NUMBER

**SSR-145-40/47**



**BEFORE YOU BEGIN**

**APPLICATION(S)**

- › Ford Ranger 2WD (2012 - present)
- › Ford Ranger 4WD (2012 - present)

**IMPORTANT NOTE**

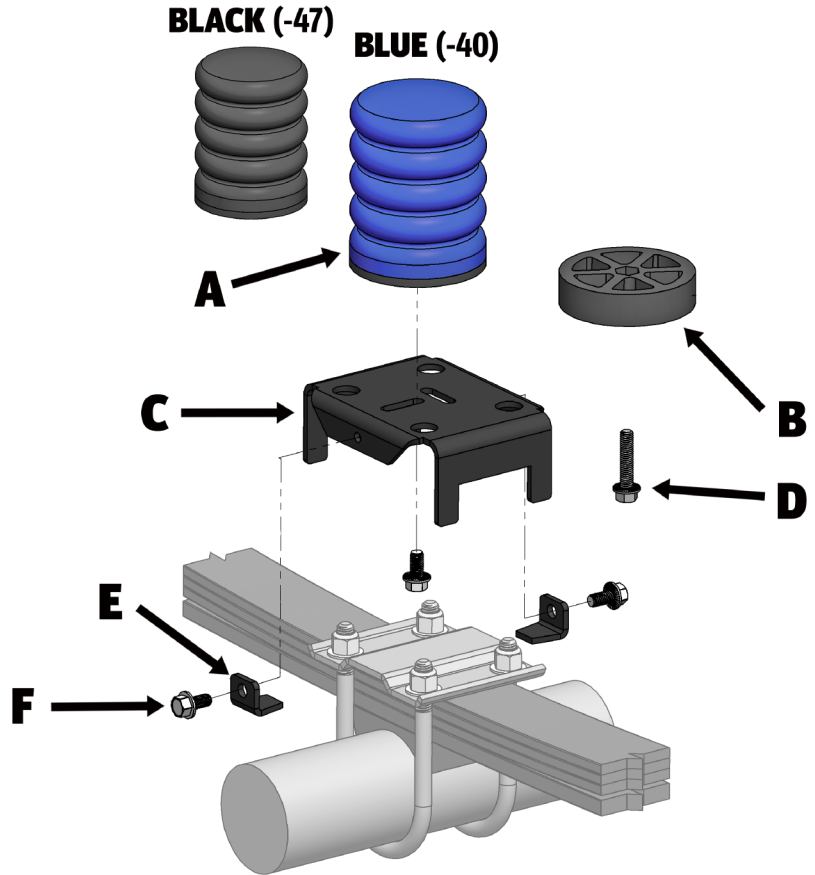
*This kit is designed for the international Ford Ranger only.*

**TOOLS REQUIRED**

- › Floor jack
- › Safety jack stands
- › Ratchet and 9/16" socket

**PARTS LIST**

Item	Part #	Description	QTY
A	511440-38	SumoSprings Blue (-40)	2
	511421-38	SumoSprings Black (-47)	2
B	512117	4 x 1" Spacer	2
C	522010	Mounting bracket	4
D	512274	3/8 x 1-3/4" Flange bolt	2
E	522030	Mounting bracket clip	4
F	512207	3/8-16 x 3/4" Flange bolt	6



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

PART NUMBER

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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 wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
  2. Raise the rear of vehicle to allow the axle to hang freely and support the frame using safety jack stands.
  3. Remove the existing factory bump stop from the top of the spring plate. You can also cut it off close to the spring plate if needed.
  4. Attach the SumoSpring [ITEM A] to the mounting bracket with the 3/8-16 x 3/4" flange bolt [ITEM F] through the slot that is perpendicular to the leaf springs as seen in the diagram. Torque the bolt to 20 ft. lbs. and make sure it's positioned all the way toward the center of the bracket.
  5. Place the mounting bracket [ITEM C] on top the leaf pack so that it straddles the spring plate with the SumoSpring offset inboard (away from the wheel). Make sure the bracket is centered under the frame.
  6. Insert one 3/8-16 x 3/4" flange bolt [ITEM F] through the mounting bracket clip [ITEM E] and thread into the side of the mounting bracket [ITEM C]. Make sure the clip is positioned under the spring plate and repeat on the other side of the bracket. Torque both bolts to 20 ft. lbs.
- NOTE:** *If you want the SumoSprings to engage sooner, place the 1" spacer [ITEM B] between the bracket [ITEM C] and the SumoSpring [ITEM A] and attach with the 3/8-16 x 1-3/4" flange bolt [ITEM D].*
8. Repeat all the above steps on the other side of your vehicle.
  9. 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.
  10. Register the warranty for your SuperSprings International part. A warranty card can be found in the box your part came in.

**Part Number: SSR-145-40/47**

**► 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.**