

PART NUMBER

**SSR-145-40/47**



**BEFORE YOU BEGIN**

**PRIMARY APPLICATIONS**

- > Ford Ranger 4 X 2  
(2012 - present)
- > Ford Ranger 4 X 4  
(2012 - present)

**IMPORTANT NOTE**

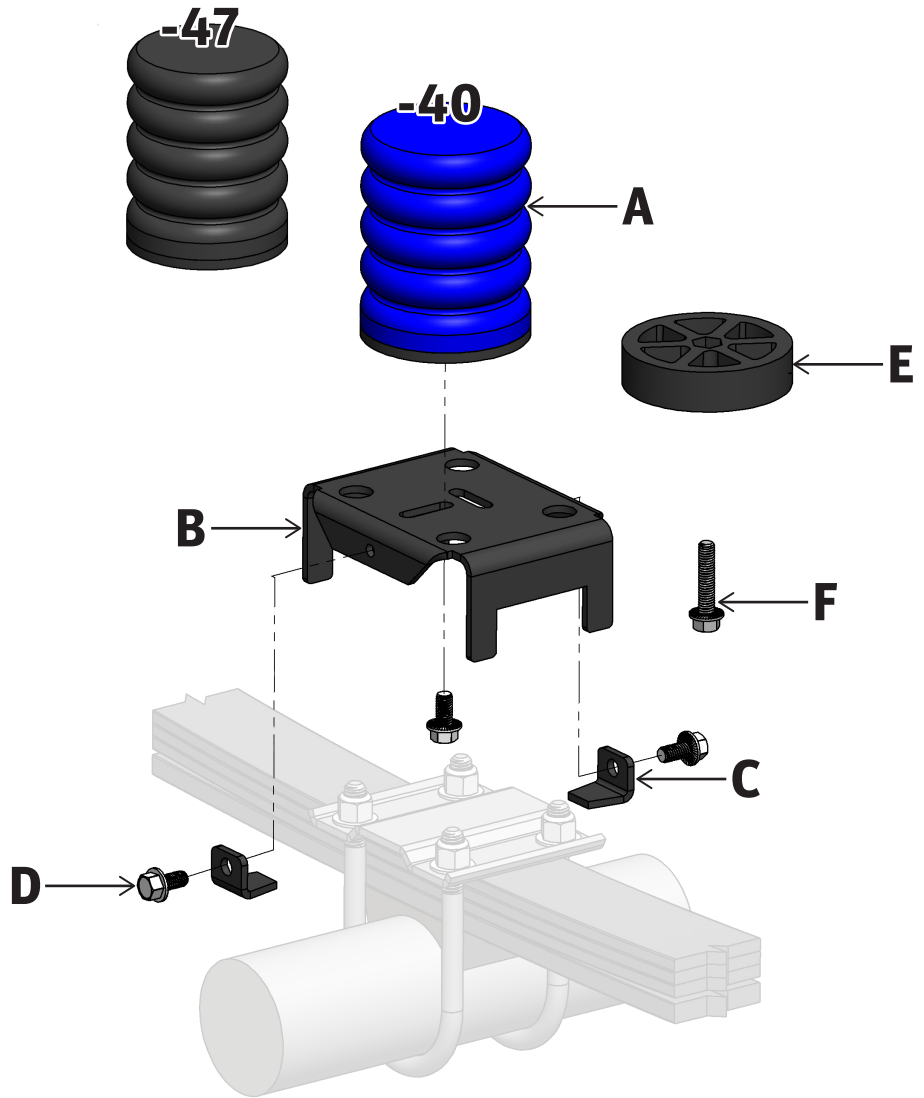
This kit is designed for the international Ford Ranger only.

**PARTS LIST**

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

**TOOLS REQUIRED**

- > Floor Jack
- > Jack Stands
- > Wheel Chocks
- > Ratchet
- > 9/16 Socket



**DRIVER SIDE (PASSENGER SIDE SIMILAR)**

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

**Product Line: SUMOSPRINGS REAR**

**Page 1**

Questions or Concerns?

Scan here:



or visit:  
[superspringsinternational.com](http://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.

REV. 2.01 | SEP 2023

PART NUMBER

**SSR-145-40/47**



**INSTALLATION**

1. Park the vehicle on a hard, level surface and engage the emergency brake. Place chocks 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. Starting on the driver side, remove the existing factory bump stop from the top of the spring plate. You can cut it off close to the spring plate if needed.
  4. Attach the SumoSprings [ITEM A] to the Mounting Bracket [ITEM B] with the 3/8-16 x 3/4" Flange Bolt [ITEM D] 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 is positioned all the way toward the center of the bracket.
  5. Place the Mounting Bracket [ITEM B] on top the leaf pack so that it straddles the spring plate with the SumoSprings 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 D] through the Mounting Bracket Clip [ITEM C] and thread into the side of the Mounting Bracket [ITEM B]. 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 E] between the Mounting Bracket [ITEM B] and the SumoSprings [ITEM A] and attach with the 3/8-16 x 1 3/4" Flange Bolt [ITEM F].
7. Repeat steps 3 through 6 on the passenger side of the vehicle.
  8. Raise the vehicle, remove safety jack stands, and carefully lower vehicle to the hard surface. Remove chocks in front and back of the rear wheels.
  9. 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**

**Page 2**

Questions or Concerns?

Scan here:



or visit:  
[superspringsinternational.com](http://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.

REV. 2.01 | SEP 2023