

PART NUMBER

SSA3



BEFORE YOU BEGIN

TOOLS REQUIRED

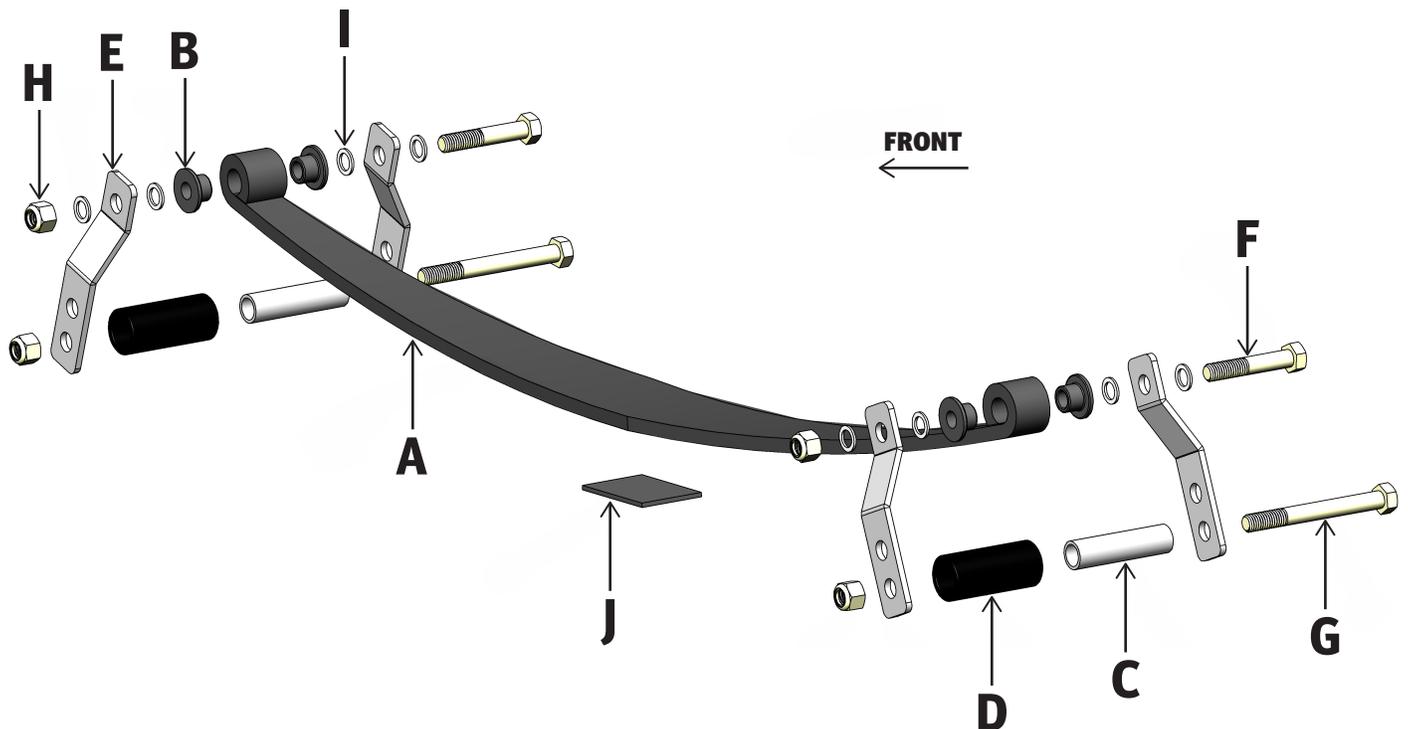
- > Floor Jack
- > Safety Jack Stands
- > Wheel Chocks
- > ½" Wrench/Socket
- > ¾" Wrench/Socket
- > Heavy Duty Clamps or SuperSprings Installation Tool

PARTS LIST

Item	Part #	Description	QTY
A	102003	SSA3 SuperSpring	2
B	112140	Polyurethane Bushing	8
C	112129	Steel Sleeve	4
D	112189	HDPE Roller	4
E	122400	Angled Shackles	8
F	112124	½-13 x 2 ¾" Hex Bolt	4
G	112125	½-13 x 4 ½" Hex Bolt	4
H	112126	½-13 Nylock Nut	8
I	112127	½" Nylon Flat Washer	16
J	112242	Neoprene Pad	2

PRIMARY APPLICATIONS

- > Chevrolet Colorado 4 X 2 (2004 - 2012)
- > Chevrolet Colorado 4 X 4 (2004 - 2012)
- > GMC Canyon 4 X 2 (2004 - 2012)
- > GMC Canyon 4 X 4 (2004 - 2012)



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Product Line: SUPERSPRINGS

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Questions or Concerns?

Scan here:



or visit:
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.

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INSTALLATION

1. Positioning the vehicle – Vehicle must be on level solid surface. Ensure emergency brake is ON and Ignition is OFF. Chock both front and rear of the front tires to prevent the vehicle from moving.
2. Jack up vehicle – elevate and support the frame securing with jack stands so that the axle is hanging with tires slightly off the ground. Wheel removal is suggested ONLY where bodies are mounted.
3. The SSA3 does not have a dedicated front and rear. However, the SuperSpring should be positioned so the threaded ends of the spring eye bolts are pointing outboard, away from the frame.
4. Remove Shackle Roller Assemblies – Using 3/4" tools, wrenches / sockets / ratchet, remove and set aside the bolts [ITEM G] and nuts [ITEM H] retaining the Rollers [ITEM D] and Sleeves [ITEM C] from the front and rear of the shackles. Rotate the Shackles [ITEM E] toward the center and parallel to the spring.
5. Install Neoprene Pad - Place the SuperSpring on top of the axle above the leaf springs. Adjust position front to rear so that the shackles have the best clearance to the frame, exhaust, and any brake lines or harnesses. Remove the backing from the adhesive side of the Neoprene Pad [item J] and install on the bottom of the SuperSpring [item A] at the point where it contacts the axle.
6. Shackle Attachment - **NOTE:** The top/spring eye shackle bolts are factory pre-torqued; no adjustment/further tightening is needed. If any are loosened by the installer then torque to 30 ft. lbs.

Shackle Attachment Front - Rotate the front shackles legs down on both sides of the leaf spring. Using a SuperSprings Installation Tool or other high capacity clamp(s), compress the SuperSprings and factory leaf pack together. Place the Sleeve [ITEM C] and the Roller [ITEM D] between the Shackles and align with desired preload holes. Secure with 1/2-13 x 4 1/2" Hex Bolt [ITEM G] and 1/2-13 Lock Nut [ITEM H]. Torque to 35 ft. lbs. Ensure there is clearance on all sides of the shackle.

Shackle Attachment Rear – Rotate the rear shackles legs down on both sides of the leaf spring. Using a SuperSprings Installation Tool or other high capacity clamp(s), compress the SuperSprings and factory leaf pack together. Place the Sleeve [ITEM C] and the Roller [ITEM D] between the Shackles and align with desired preload holes. Secure with 1/2-13 x 4 1/2" Hex Bolt [ITEM G] and 1/2-13 Lock Nut [ITEM H]. Torque to 35 ft. lbs. Ensure there is clearance on all sides of the shackle.

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7. Adjust spring location front to back so that the Rollers have minimum 1/2" of clearance from spring clamps or the end of the next shorter leaf. Also confirm that there is adequate clearance around the SuperSpring from the frame, brake lines, harnesses, etc. In some cases, it may be necessary to bend routing brackets to adjust position of the brake lines or harnesses for clearance.

8. Repeat steps 3 through 7 on the other side.

9. Lower the vehicle – elevate chassis, remove the jack stands, lower to the ground. Remove wheel chocks from front wheels.

10. Final Check – Check the position of the SuperSprings ensuring for correct hardware application and orientation. Observe all hardware ensuring for static and dynamic interference clearances. Recheck all hardware to ensure it is securely tightened.

NOTE: After 200-500 miles of driving, recheck all hardware again for tightness.

11. 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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