



Installation Instructions

For easy installation, you will need to:

- READ ALL the instructions completely before beginning.
- Have the necessary tools available

Tools required:

- 2 - 3/4" wrenches
- 2 - 1/2" wrenches
- 1 - C-clamp

SAFETY NOTICE: WE RECOMMEND THAT THIS INSTALLATION BE DONE BY A PROFESSIONAL OR PERSONS WITH SOUND MECHANICAL KNOWLEDGE.

SUPERSPRINGS are designed to work in conjunction with original equipment (factory) springs only. Please consult SuperSprings factory (866-898-0720) if original springs have been replaced with an after-market product.

WARNING: These instructions are meant to be a general guide for installing SuperSprings. SuperSprings International assumes no liability for the actual installation process. Consumers should apply common automotive safety practices when raising and working on any vehicles. Do NOT put yourself in a position where if the vehicle should move unexpectedly, you may be seriously hurt. SuperSprings are designed to improve vehicle carrying capacity and road handling. Do NOT load any vehicle beyond the manufacturer's specifications.

LIMITED WARRANTY

See separate warranty information page.

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PLEASE NOTE:

Remember to ensure brake cables are not touching the SuperSprings blade(s). Secure them out of the way with zip ties or re-routing. Also, avoid all air conditioning lines and emergency brake lines.

Installation Instructions
2004-2007 Nissan Titan
SuperSprings Model # SSA20

The Nissan Titan has rear leaf springs that are more arched than most others. They are located above the vehicle axle necessitating a mounting kit when installing SuperSprings. Because of the “arch” of the vehicle springs the SuperSprings mounting kit needs to be raised slightly to perform its function of creating pre-load tension on the SuperSprings in the vehicle un-loaded position. A unique mounting kit that includes four ¾” tall spacers has been created specifically for this installation and is included with our standard SSA9 springs. These are the components of our SSA20 kit. The four (4) extra spacers provided in this kit are designed to raise the black mounting bracket by ¾”.

To correctly install the mounting kit using the spacers provided please follow the instructions below. The mounting kit will be installed over the top of the pyramid shaped rubber bump stop. This bump stop does NOT need to be trimmed or removed.

Mounting Kit Installation Instructions

1. Use 2 spacers per side on the vehicle
2. Position the spacers on top of the vehicle spring pack above the axle; one at the front of the mounting bracket and one at the rear of the mounting bracket; approximately 11” apart - See diagram below
3. Place the mounting bracket on top of the spacers.
4. Position the U-bolts at the front and back of the mounting bracket.
5. Slide the U-bolts through all the holes of the spacers.
6. Attached the lower cross plates beneath vehicle spring pack to the U-bolts and tighten down the nylok nuts.
7. Repeat this procedure on both sides of the vehicle.

Spring Installation Instructions

8. The SSA9 springs (check the number stamped in the underside of the springs) are ambidextrous – no specific front / back or left / right.
9. Undo the nuts on the SuperSprings roller bolts and remove all urethane (black) rollers, steel rollers and bolts from the shackles.
10. Place the SuperSpring directly on top of the installed mounting kit
11. Start at the front and reattach both the steel roller and outer black roller to the shackle, under the factory spring pack, using the lower bolt-hole position.
12. Using a C-clamp for assistance, pull down the opposite side of the SuperSpring and attach exactly as in the previous step.
13. Position the SuperSpring so that the rear roller has at least ¾” clearance to roll FORWARD towards the axle as the vehicle comes under load. The front roller should not move in this configuration.
14. Slide the rubber bump stop onto the top of the hold down clamp.
15. Slide the hold down clamp over the top of the SuperSpring and below the mounting kit plate.

16. Install the bolt through the clamp end holes, attach washer and nut and secure tightly.
17. Note – SuperSprings do not have to be centered on mounting kit over axle
18. Recheck that no A/C lines or brake cables will be interfered with by the vertical travel of the SuperSprings.
19. Repeat the above steps on the opposite side of the install vehicle.



Special mounting kit with springs installed shown above – bump stop not show.



Front Shackle in lower bolt hole



Rear Shackle in lower bolt hole

Should you have any questions please call the SuperSprings toll-free tech support @
866-898-0720