



Installation Instructions

For easy installation, you will need to:

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

Tools required:

- 1 – 1 1/16” wrench / socket
- 1 – 1 1/8” wrench / socket
- 1 – Sturdy Clamp or SuperSprings Installation tool (for SSA38 heavy duty installation)

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

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.

Prior to installation ensure the following steps have been taken:

Vehicle must be on level solid surface.

Parking brake ON - Ignition OFF.

Place blocks in front and rear of the front tires to prevent the vehicle moving.

During and / or after installation

Ensure emergency brake cables are not touching the SuperSprings blade(s). Secure them out of the way with zip ties or by re-routing. Avoid all air conditioning lines, all fuel filler hoses and all brake lines or cables. Position the SuperSprings so there is sufficient clearance from any frame contact both horizontally and vertically. Also, where applicable, the ends (eye) of the SuperSprings must avoid contact with any factory overload [spring perch](#) or bracket.

Installation Instructions

SuperSprings Model # SSA38~ SSA39 with Poly Spring Pad & Spring Lock Down Kit

Step 1: Use a jack on the chassis to raise the vehicle so that the back wheel lifts slightly off the ground. The main spring pack will then be at its most relaxed position. Do not jack the vehicle up on the differential. Support the vehicle with Jack Stands.

Step 2: Undo the nuts on the SuperSprings roller bolts and remove all steel rollers and bolts from the shackles. The SSA38 has no front / back side or left / right side.

Step 3: For installation of the polyurethane mounting kit, install the PSP pad with the grooved side up and toward the front of the vehicle, on top of factory spring-plate, between the factory u-bolts. Place one of the 3/8"-16 u-bolts over the SuperSpring near the center with the ends pointing in the same direction as the spring-eyes. Next install the u-shaped cross-bar with the groove side toward the top face of the threading the ubolt. Then place the self locking flange nuts on the threads and tight three to four turns. Leave the u-bolt loose so it can be slid easily on the spring for final adjustment.

Step 4: Install the SuperSpring on top of the truck spring with the shackle bolts pointing toward the outside of the chassis. Slide the bottom of the u-bolt assembly into the groove of the PSP pad sitting on the spring-plate.

Step 5: Adjust the SuperSpring for optimum positioning for this particular application. (See attached flyer)

Step 6: Install the front and rear inserts rollers and retaining bolts with the nuts outward away from the frame to complete the installation as per instructions. Adjust if necessary to obtain correct placement. Check to ensure that u-bolt is properly located into the groove in the PSP pad. Torque the u-bolt retaining nuts to 30ft.lbs.

Step 7: Repeat steps 1-6 for the other side of the vehicle.

<front



Polyurethane Mounting Kit
Assembly

SuperSprings®

Suspension Enhancement

Isuzu NPR~ NPRHD [2000 ~ present]

SSA38 ~ SSA39 with PSP-11 & Spring Lock Down Kit



For models configured as shown above, trim flush center bump portion of PSP as shown below.

Poly Spring Pad PSP-11



Install PSP pad with flat side up



For models with center bolt as shown above, no modification to the PSP pad is required.



2008-present modification



Spring mounted on PSP



Poly Mounting Kit installed



Spring mounted front shackle



2008-present
Completely remove front OE spring clip. Rivet on under side of spring needs to be ground flush to the spring.
Only remove front clip



Spring mounted rear shackle

SuperSprings®

Suspension Enhancement

Mitsubishi Fuso FE 160~180 [2005 ~ present]

with a factory overload

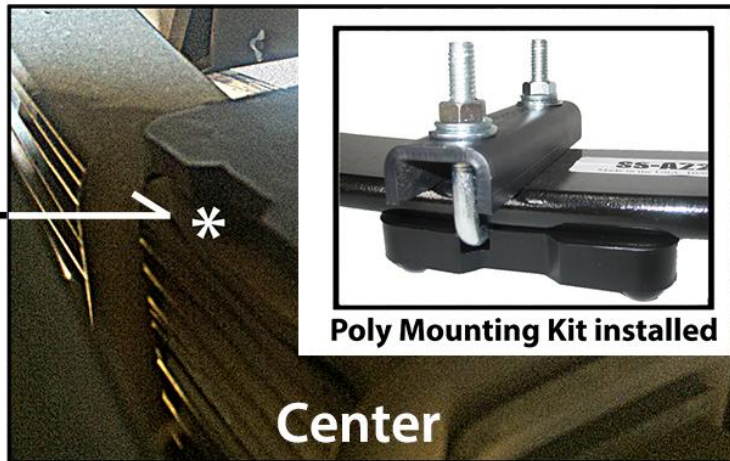
SuperSprings SSA38 ~ SSA39 with PSP-11 &
Spring Lock-Down Kit



Poly Spring Pad ~ PSP-11



Polyurethane block designed to mount between the top of the factory spring seat and bottom of the SuperSpring



Position PSP-11 with groove toward front of truck



Remove rear overload bracket *

SuperSprings®

Suspension Enhancement

GM W-series 3500/4500/5500 [2000 ~ 2011]

SuperSprings Part# SSA38 ~ SSA39 with PSP-11



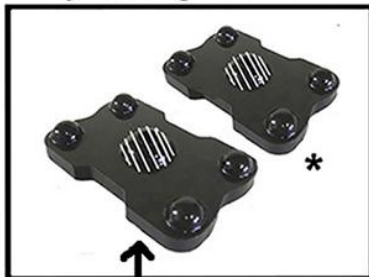
For models configured as shown above, trim flush center bump portion of PSP as shown below.



For models with center bolt as shown above, no modification to the PSP pad is required.

Poly Spring Pad PSP-11

Install PSP pad with flat side up



2008-present modification



Spring mounted on PSP



Poly Mounting Kit installed



<rear



front>

2008 & newer vehicles require removal of front factory clip