

# SumoSprings Front

Suspension Enhancement

FORD F650 [2016]

SumoSprings Part# SSF-110-40



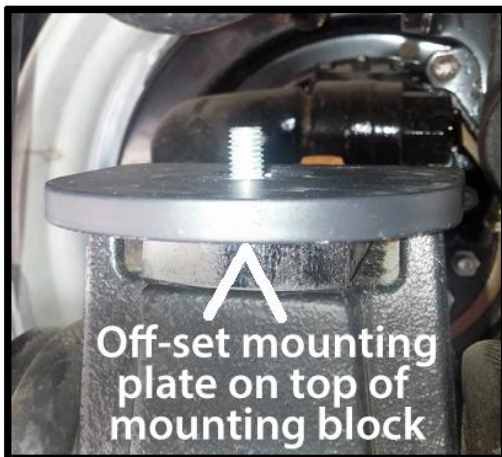
Parts



Center mounting  
block



SSF-110-40



Off-set mounting  
plate on top of  
mounting block



SSF-110-40 Installed

Refer to SumoSprings application guide for part selection [www.supersprings.com](http://www.supersprings.com) [Tech line #866-898-0720]  
SumoSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR rating.

## **Installation Instructions – SSF-110**

- 1) Park vehicle on level hard surface. Engage emergency brake. Place blocks in front and behind rear wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
- 2) Raise front of vehicle allowing the axle to hang freely. Support the frame using safety jack stands.
- 3) Starting on the driver's side remove the OE bump-stop from the spring-plate by loosening an M10 OE bolt with 19mm socket & wrench.
- 4) Place the steel washer plate first and above that the urethane spacer plate onto the factory spring-plate between the two rails and over the hole from which the factory bump-stop was removed.
- 5) Then place the off-set adaptor plate and attach all three parts to the factory spring-plate. Do this using the supplied M10-1.5 x 30mm FHCS and attaching into the 10mm threaded aperture vacated by the removed bump-stop. The off-set in the adaptor plate will be away from the wheel as shown in the pictures.
- 6) Prior to attaching the SumoSproing to the off-set adaptor plate apply loc-tite (supplied) to the 8mm threaded stud protruding from the top.
- 7) Repeat steps three through six on the passenger's side of the vehicle.
- 8) Jack up vehicle, remove safety jack stands.
- 9) Carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels.
- 10) Release emergency brake.
- 11) Fill out warranty card and send to SuperSprings. The warranty card is on the reverse side of this page.

### **Tool List**

● Floor Jack	1
● Jack Stands	2
● 10 mm hex wrench	1
● Socket wrench	1
● 17mm standard socket	1
● Wheel Blocks	4

### **Parts List**

● SumoSproings #511440	2
● M10-1.5 x 30mm (FHCS) screw	2
● Trimmed urethane spacer .5"	2
● Trimmed steel washer .125"	2
● Offset adaptor bracket	2
● Loc-Tite sachet	1

### **Important Notice.**

- 1) For easy installation please read instructions completely first and have all necessary tools available.
- 2) We recommend that this installation be done by a professional or persons with sound mechanical knowledge.
- 3) SumoSproings are designed to work with the original factory springs only. If they have been replaced with aftermarket springs then please consult with Supersproings International at 866-898-0720.
- 4) These instructions are meant as a guide for the installation of SumoSproings. SuperSprings International assumes no liability for the actual installation process. Installers should apply common automotive safety practices when raising, lowering and working on vehicles.
- 5) SumoSproings are designed to enhance the vehicles load carrying performance and road handling however it does not authorize (or recommend) loading beyond the manufacturer's GVWR specifications.
- 6) For technical support contact SuperSprings International at 866-898-0720.

**To prevent damage to the vehicle and to ensure safety, do not exceed the maximum load recommended by the vehicles manufacturer (GVWR).**