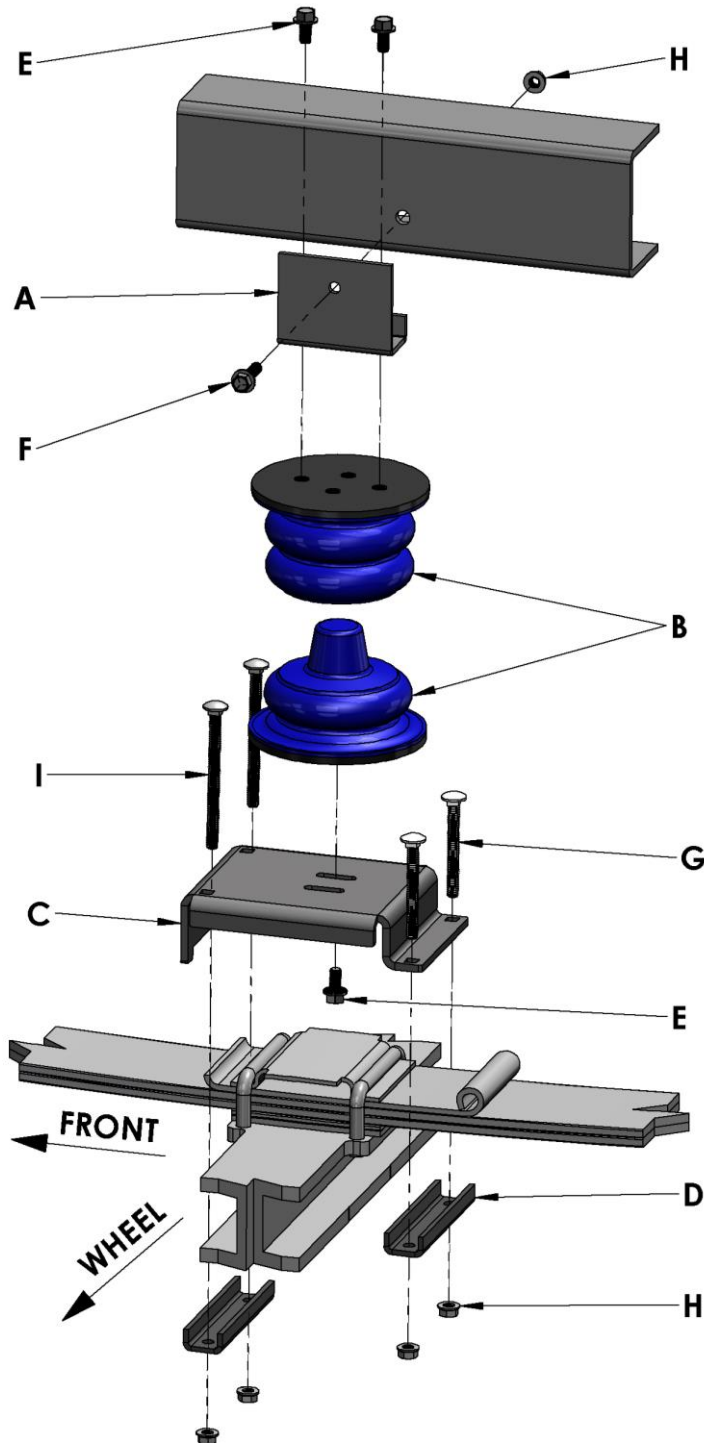# SumoSprings Front

Ford F53 Motor Home, 16k-22k GVWR, 1990-2003
Part #SSF-172-40-2
Drivers Side (Passenger Side Similar)

PARTS			
Part #	_Description_	_Quant._	_Item_
512035	Upper bracket	2	A
511419	SumoSpring	2	B
512034	Lower bracket	2	C
512042	U-bracket strap	4	D
512207	3/8-16 x ¾"serrated flange hex bolt	6	E
512301	3/8-16x 1.5" serrated flange hex bolt	2	F
512211	3/8-16 x 3.5" carriage bolts	4	G
512302	3/8-16 Locking flange nut	10	H
5122360	3/8-16 x 5.5" carriage bolts	4	I
512265	3/8-16 x 3 1/2" hex bolt	1	
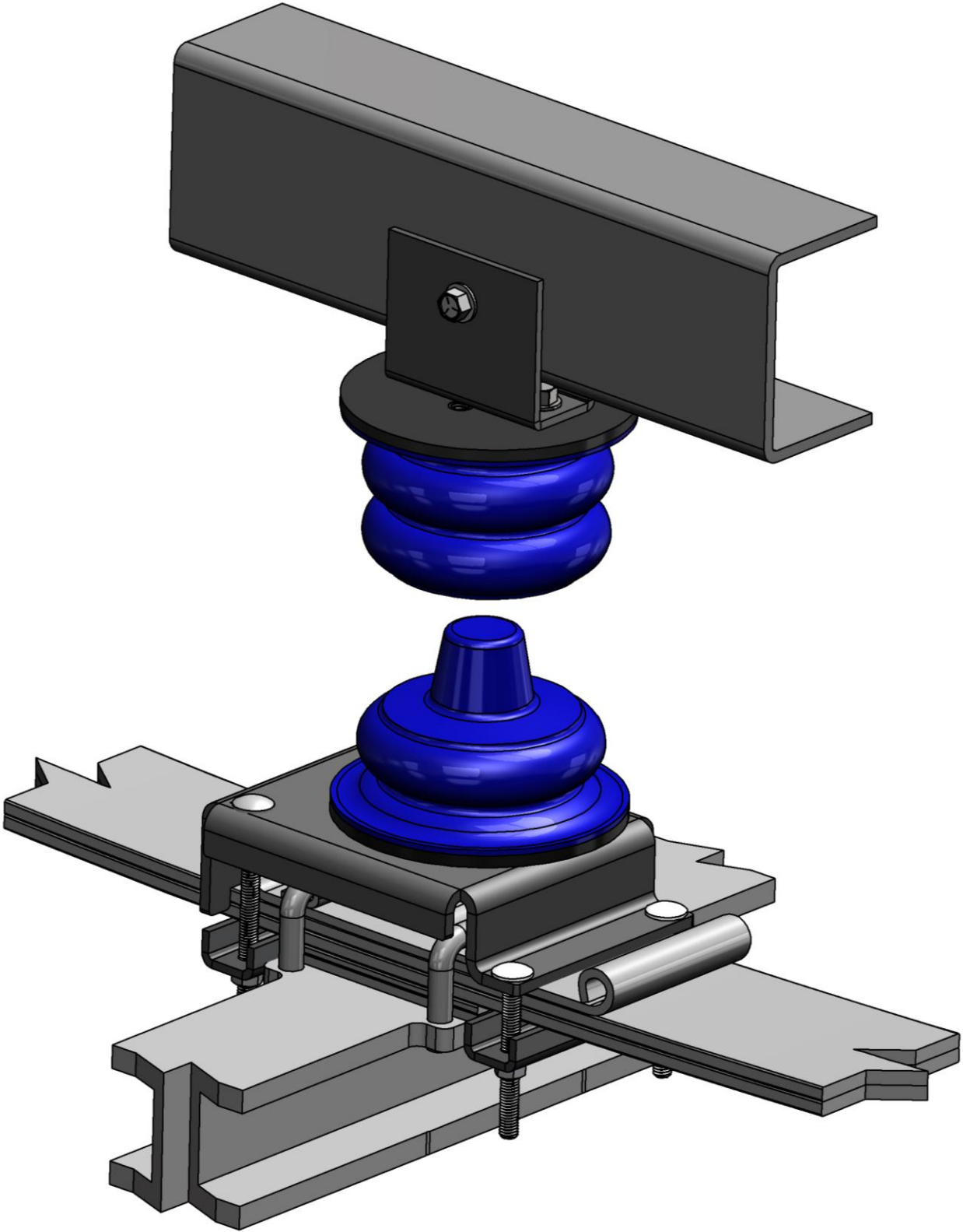
Installation Instructions

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 using the front leveling jacks to sufficient height to allow the assembly to be installed. Support the frame using safety jack stands.

3) Starting on the drivers remove the lower bracket (item C), upper bracket (item A), and SumoSpring (item B) from the box.

4) Attach the upper bracket to the top half of the SumoSpring (item B) using two 3/8-16 x ¾" flanged hex bolts (item E) and set aside.

5) While consulting the diagram on page 1, attach the lower bracket to the bottom half of the SumoSpring in the correct orientation using a single 3/8"-16 flanged hex bolt (item E). Please note that the lower bracket attachment utilizes the inside slot closest to the frame.(or furthest from the wheel - see diagram on page 1) ***Center the bolt in the adjustment slot and tighten securely.***

6) Insert two 3/8"-16 x 3 ½" and two 3/8"-16 x 5" carriage bolts (item G and I) through the four square openings in the lower bracket as shown on page 1.

7) Place the lower assembly on the factory spring-pack ensuring orientation is correct as in pictures on page 2. See exploded diagram on page 1.

8) Attach the u-bracket straps (item D) to the carriage bolts using four 3/8" Top-lock nuts (item H).

9) Place the upper Sumo/bracket assembly on top of the lower assembly with the upper bracket in correct orientation to the frame.

10) Repeat steps 3 through 8 on the passenger's side.

11) Jack up the axle until the top J-bracket (item A) seats firmly against the underside of the frame on both driver and passenger side.

12) Using the J-bracket as a template drill the holes through the frame, both driver's side and passenger's side, using a 7/16 drill bit then secure the upper assembly to the frame by bolting the upper J-bracket to the chassis frame using a 3/8-16 x 1.25" bolt (item F) and 3/8"-16 Top-lock nut (item H).

13) Jack up vehicle, remove safety jack stands.

14) Carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels.

15) Release emergency brake.

16) Fill out warranty card and send to SuperSprings. The warranty card is on the reverse side of this page.

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) SumoSprings are designed to work with the original factory springs only. If they have been replaced with aftermarket springs then please consult with Supersprings International.
4) These instructions are meant as a guide for the installation of SumoSprings. 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) SumoSprings 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.

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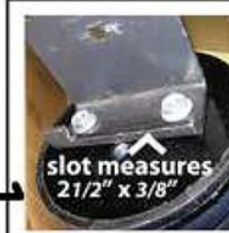
SumoSprings Front

Suspension Enhancement
FORD F-53 Chassis Motor Home
Modification with aftermarket Davis trackbar
SumoSprings Part #SSF-172/176-40-2

modified >

^
modified

Front Passenger's Side SumoSprings

cut 1 1/4" x 3/8" centered slot

Slot both passenger and drive side bottom bracket

or slot as required

slot measures 2 1/2" x 3/8"

Modify driver's side top bracket

^
modified

Front Driver's Side SumoSprings

Passenger Side Installation
[with vehicle on the ground]

bracket slot for nut-->

Driver Side Installation
[vehicle off the ground]

slotted portion of top bracket rest on top of trackbar bracket

bracket slot <-- for nut

SumoSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR rating.
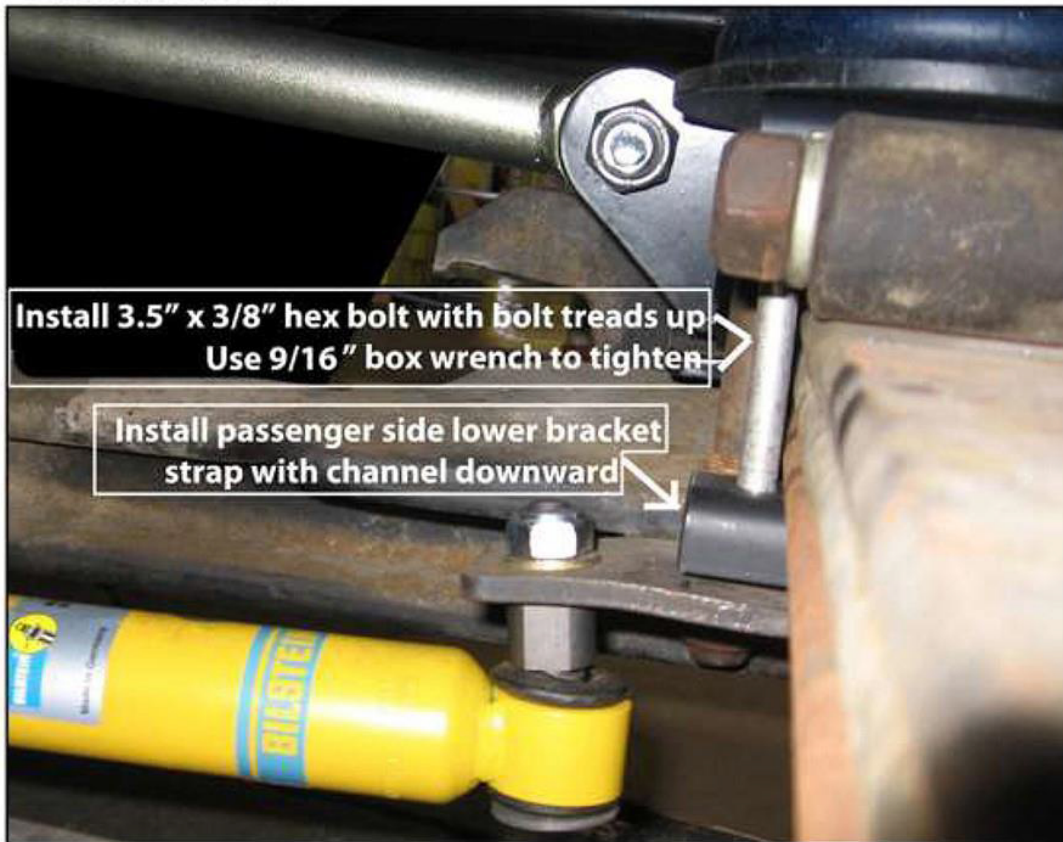
SumoSprings Front

Suspension Enhancement
FORD F-53 Chassis Motor Home
SumoSprings Part #SSF-172/176-40-2
Modification with aftermarket Davis trackbar
for passenger side steering stabilizer bracket

Use 9/16" wrench closed end to reach bolt head inside of lower channel brachet.

Install 3.5" x 3/8" hex bolt with bolt treads up. Use 9/16" box wrench to tighten.

Install passenger side lower bracket strap with channel downward

SumoSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR rating.

Feel the difference with SuperSprings.   Learn more about suspension parts on our website.