Installation Instructions
Rear Trac Bar - Part# SS401

This product is designed to eliminate side shift of the rear axle on F53 with 20,000-22,000 GVW (Dana 135-150 differential) and Kodiak Chassis up to 24,000 GVW

Installation time is 1 to 1.5 hours.
A qualified mechanic using normal automotive tools and following all safety measures known should perform installation of this product.
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SS401 on a Ford F-53 Shown

B754 Frame Bracket  B763 Pinch Plate  SS401-1 Rod Assembly  SS302-3/SS302-4 Differential Bracket

**IMPORTANT:** Two different differential brackets are provided in this kit. One bracket has STANDARD holes, while the other has METRIC holes. They are identified by different part numbers. SS302-3 for STANDARD. SS302-4 for METRIC. You must determine your differential type to properly select the correct bracket for installation.

**Note:** Some OEM bolts will be metric. Be sure to check the size closely before installation. Metric bolts are larger and are also provided in the kit to be used with the metric bracket. This kit also includes zip ties and flexible plastic conduit should coach wiring needs to be moved or shielded.

**Coach Preparation -- Coach should be normally loaded**

Move the coach to a level, flat surface. If necessary, drive the rear wheels of the coach onto 4” high blocks and set the brakes or drive the coach over a work pit and chock the front wheels. Block off adequate space at the rear of the coach to work.

**Installation of the Differential Bracket (SS302-4) or (SS302-3)**

Note: Before installing the differential bracket, make sure the surface is flat and clean. If letters or numbers are stamped or raised on the differential, smooth away to create a flat surface.

Hold the differential bracket up to the differential to locate the 3 OEM bolts. Remove the bolts and discard. Swab the holes clean and dry before the installation of bolts. Loosely install the differential bracket to the differential with the supplied bolts: Standard (3) ½” x 2”; OR Metric (3) 14 mm x 2”. Be sure to use lock washers, flat washers, and apply Loctite to the bolts before installing.
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Installation of the Frame Bracket B-754 and Pinch Plate B-763

Install the frame bracket B-754 and pinch plate B-763 on the frame rail. The frame must be between the pinch plate and the frame bracket. The frame bracket is designed to mount to the bottom and outside of the frame rail. Position the frame bracket below the frame rail on the passenger side in line with the axle bracket with slotted holes and 1/2” set bolts toward the inside.

Align slotted holes in frame bracket with threaded holes in pinch plate. (Place the nut plate with lip facing down and towards center of vehicle). Install (2) 5/8”x2” fine threaded bolts, (2) 5/8” lock washers & (2) 5/8” flat washers. (Use Loctite and tighten “just snug” for now)

Note: Make sure not to contact any wires, brake lines, etc. This kit also includes zip ties and flexible plastic conduit should coach wiring needs to be moved or shielded.

Use the Trac Bar to check alignment from differential plate to frame bracket. Tighten the 1/2” set bolts to push the nut plate against the inside of the frame, then tighten the bottom bolts securely. Recheck set bolt tightness and then tighten the jam nuts against the bracket to lock the ½” fine threaded bolts into place and keep it from backing out.

Installation of Rod Assembly (SS401-1)

Note: The rod assembly may be installed on the front or back of the brackets to achieve best clearance.

Install the rod assembly with the ¾” x 3” bolts, flat washers and lock-nuts. Be sure that there is a flat washer on both sides of the urethane bushings of the rod end. When adjusting the length of the rod, it is necessary that the coach’s full weight be on the suspension. Adjust so that holes align and 3/4” bolts will install.

Torque all the standard ½” bolts on the Differential Bracket to 120 ft. lbs. If a Dana 110, 130, or 150 model with metric bolts, torque to 142 - 158 ft. lbs. Be sure to check all fasteners for tightness, including the jam nut on the rod assembly. Torque the ¾” rod end bolts (item 10) to 150 – 180 ft. lbs. Torque the jam nut (item 2) to 100 - 150 ft. lbs. This completes the installation.

Test drive.

To register your product for warranty purposes, go to the SuperSteer website at www.SuperSteerParts.com and fill out the online registration card

Re-check torque in 6 months.
Your comments are greatly appreciated. Please feel free to contact SuperSteer® at 888-898-3281 or e-mail at sales@supersteerparts.com