



Installation Instructions

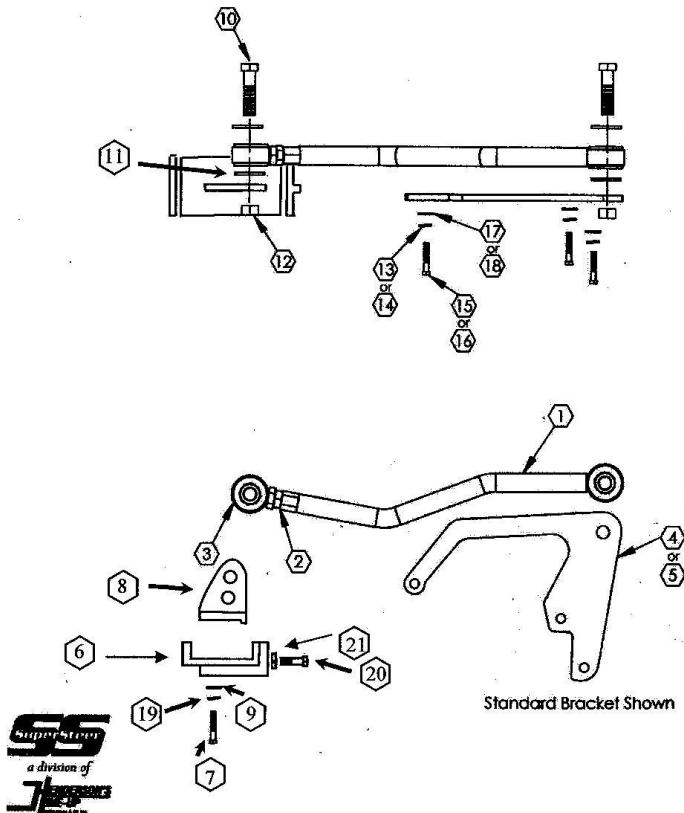
Rear Trac Bar - Part # SS302

**The design of this product is to eliminate the side shift of the rear axle on the W20, W22, W24 Workhorse Chassis
With a Dana 110, 130, or 150 Differential**

Installation time is 1 - 1.5 hours

***A qualified mechanic using normal automotive tools and following all safety measures known should perform installation of this product. Components are shown below:**

SS302 TRAC BAR PARTS LAYOUT



| ITEM # | Description | QTY |
|--------|-------------------------------|-----|
| 1 | SS302 Rod Assy | 1 |
| 2 | Jam Nut - 3/4 16UNF | 1 |
| 3 | Rod End Assy | 1 |
| 4 | Standard Differential Bracket | 1 |
| 5 | Metric Differential Bracket | 1 |
| 6 | Frame Bracket | 1 |
| 7 | 5/8 x 1 3/4" NF Bolts | 2 |
| 8 | Pinch Plate | 1 |
| 9 | 5/8" Flat Washers | 2 |
| 10 | Bolt - 3/4x3 16UNF | 2 |
| 11 | Flat Washer - 3/4 | 4 |
| 12 | Top Lock Nut - 3/4 16UNF | 2 |
| 13 | Lock Washer - 1/2 | 3 |
| 14 | Lock Washer - 14mm | 3 |
| 15 | Bolt - 1/2x2 13UNC | 3 |
| 16 | Bolt - 14mm x 50mm | 3 |
| 17 | Flat Washer - 1/2 | 3 |
| 18 | Flat Washer - 14mm | 3 |
| 19 | 5/8" Lock Washers | 2 |
| 20 | 1/2" x 1 3/4" NF Bolts | 2 |
| 21 | 1/2" NF Jam-nut | 2 |

| Item # | Torque Spec. (ft. lbs.) |
|----------|-------------------------|
| 2 | 100-150 |
| 7 | 100 |
| 10 | 150-180 |
| 15 or 16 | 120 (metric 142-158) |

Installations Instructions for Part # SS302 - Rear Trac Bar

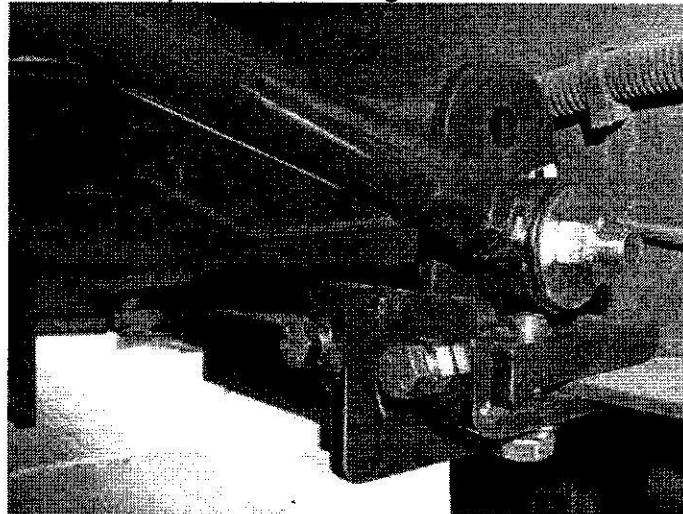
C. Installation of the Frame Bracket

Install the frame bracket B-754 and pinch plate B-753 to 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 sides of the frame rail. Position the frame bracket below the frame rail on the passenger side in line with the axle bracket.

Place the pinch plate with lip facing down and towards center of vehicle. Align slotted holes in frame bracket with threaded holes in pinch plate. Install (2) 5/8"x2" fine threaded bolts, (2) 5/8" lock washers & (2) 5/8" flat washers.

**** Make sure not to contact any wires, brake lines, etc. (Use blue Loctite and tighten "just snug" for now)**

Use the Trac Bar to check alignment from axle plate to frame bracket. Adjust forward or back. Then install the jam nuts onto the 1/2" fine threaded bolts and install in the frame bracket. Tighten to push the pinch plate against the inside of the frame, and then tighten the bottom bolts securely. Now tighten the jam nuts against the bracket to lock the 1/2" fine threaded bolts into place and keep it from backing out.



Passenger Side
(Looking from
rear toward front
of coach)

D. Installation of Rod Assembly

Note: The rod assembly may be installed on the front or back of the brackets or with the turn buckle on either side for best clearance.

Install the Rod Assembly using the 3/4" 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 Assembly, it is necessary that the coach's full weight be on the suspension.

E. Torque Specifications & Follow-Up

Torque all the standard 1/2" 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.

Installation Instructions - # SS302 – Rear Trac Bar

IMPORTANT: Two different differential brackets are provided in this kit. One bracket has STANDARD holes, while the other has METRIC holes. The METRIC differential bracket is identified by the letter “M.” 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, lock washers and washers 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 need to be moved or shielded.

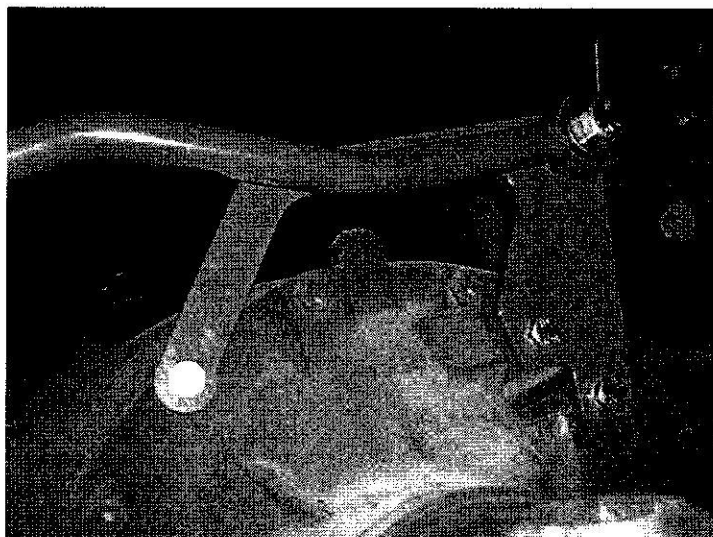
A. Preparation

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 you may drive the coach over a work pit and chock the front wheels. Block off adequate space at the rear of the coach to work.

B. Installation of the Differential Bracket

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, sand away to create a smooth, 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 and apply a small amount of Locktite on the bolts threads. Loosely install the differential bracket to the differential with the supplied bolts, lock washers and flat washers: (**Standard** (3) ½" x 2" ; OR **Metric** (3) 14 mmx50mm).. 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.



Driver's Side
(Looking from
front towards rear
of coach)

Be sure to check all fasteners for tightness, including the jam nut on the rod assembly. Torque the ¾" rod end bolt to 150 – 180 ft. lbs. Torque the jam nut to 100 - 150 ft. lbs. This completes the installation.

Test drive. Complete and mail the warranty 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 john@supersteerparts.com

**Thank you for your purchase of the
SuperSteer® Rear Trac Bar.**