



# **TIGER TRAK Stabilizer Bar Installation Instructions**

(The Stabilizer Bar is easy to install with basic hand tools)

## **Kit includes:**

- |  |                           |                                |
|--|---------------------------|--------------------------------|
| 2 Trak Bars (1 straight & 1 curved (Part #10-046) <b>OR</b> 2 straight bars (Part #10-045) |                           |                                |
| 8 - 1/2 lock washers   | 8 Black urethane bushings | 8 - 1/2 20NF nuts              |
| 2 shackle brackets   | 4 - 3/4 flat washers      | 8 - 1/2 20NF bolts 1-3/4" long |
| 2 clamping brackets  | 2 - 3/4-16 bolts 3" long  | 2 - 3/4-16 hex lock nuts       |

## **List of recommended tools:**

- 7/8" 12 point socket 1/2 drive
- 3/4" 12 point socket 1/2 drive
- 1/2 drive ratchet
- 1/2 drive 18" long breaker bat (pipe extension on ratchet will work, but may break your ratchet)
- 3/4" combination open end/box end wrench
- 2 - 1-1/8" combination open end/box end wrench
- 1 - 1-1/8" --- 1/2 drive socket

## **Installation of front & rear straight TIGER TRAK stabilizer bars**

(front *curved* bar installation on page 2)

Step#1. Raise coach on jacks or drive onto blocks to allow ease of access to get underneath coach.

**Note: (Use safety stands or blocks to prevent injury, should coach come down).**

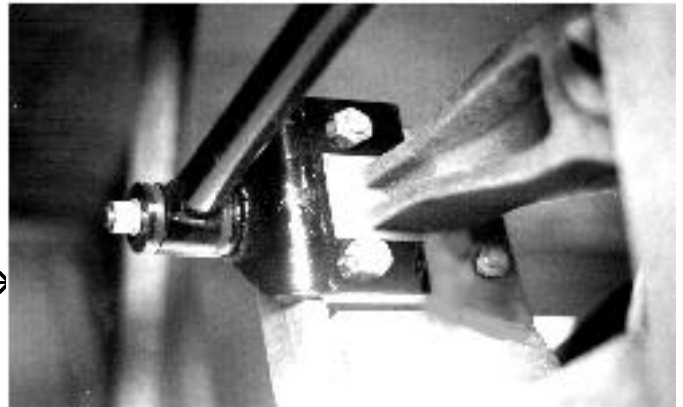
Step#2. Under coach behind basement; notice rectangular tubing that lies crossways about one foot off the ground. There is a shackle on either end of the rectangular tubing. Use the right side (passenger side) shackle. **See Photo below right.**

Step#3. Take the straight trak bar and one of the bags of bolts, etc. and go to rear of coach.

Place the parts under the rear of the coach in easy reach of where you will be working, along with the required tools.

Step #4 First determine which 2 nuts to remove from the shackle. To do this hold angle bracket up to the shackle where the 4 bolts come through.

**DO NOT** remove all 4 nuts. **Two nuts must always be intact (See Photo on right) ----->**



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- Step #5 Knowing this, remove the 2 nuts necessary to put on the angle bracket (this is where you will need the 7/8" socket and long bar .....These bolts are really tight).
- Step #6 Install the angle bracket, being sure you insert the 3/4 x 3" bolt in the hole in the bracket and the centerline of the bolt lines up with the centerline of the pivot point of the shackle.
- Step #7 Thread nuts on finger tight for the time being.
- Step #8 Install clamping bracket on 3" x 4" rectangular tube. **(See Photo below, reverse photo for rear)**
- Step #9 Leave bolts finger tight, so clamps can slide left to right on tubing.  
**(The bar has an eye on each end. These eyes are welded on at a slight angle for proper alignment)**
- Step #10 Install the bar using the 3/4 bolts and nuts supplied and tighten the bolts.
- Step #11 Tighten the 2 nuts on the shackle and torque to 175 foot -pounds.



**For installation of the front Straight TIGER TRAK stabilizer bar follow instructions 1-11. Depending on the year and model of coach as to whether you install the bar in front of or behind the front axle. (See above Photo).**

### **Installation of Curved Front TIGER TRAK Stabilizer Bar**

This curved stabilizer bar is to go on the front suspension in front of the axle. It is designed to go under cross member and behind the front jack.

There is a shackle on either end of rectangular tubing. Use the right side (passenger side) shackle.

**(See Photo on page 1)**

Step #1. Take the curved bar and the other bag of bolts, etc. and go to front of coach.

Step #2. Place the parts under the front of the coach in easy reach of where you will be working along with the required tools.

Step #3. Proceed following **Steps 4 - 11 for the installation of the rear track stabilizer bar.**

### **Finishing installation:**

Removing safety stands or safety blocks and retract jacks, so coach is down.

Take the hammer and get under the coach and tap clamp bracket, so it is free and in neutral position on the tube. Do this front and rear.

Using 3/4 wrench, socket and ratchet, tighten the bolts on the clamping bracket.

**IMPORTANT:** Tighten bolts alternately in an **X** pattern to seat clamping bracket properly on tubing (doing so a minimum of 4 rotations of **X** pattern). Do this on the front and the rear.

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# INSTRUCTIONS FOR INSTALLING FRONT AXLE RADIUS ROD

(For Safari Motor Homes with Velvet Ride ONLY)

## REPLACING LEFT SIDE (Driver's Side) FRONT AXLE RADIUS ROD:

This is a direct replacement of the factory-installed radius rod. No modifications are required. The rod is designed similar to the factory one; only this one uses urethane bushings instead of metal-to-metal ball joints. There-by eliminating the need to grease and eliminates the rattle.

**CAUTION: READ ALL INSTRUCTIONS PRIOR TO INSTALLATION.**

### Parts List:

1 - tube threaded each end	1 - 3/4" x 5" bolt	1 - 3/4" RH jam nut	1- tube lubricant
1 - eye bolt right hand thread	1 - 3/4" x 3 1/2" bolt	5 - 3/4" flat washers	1- 3/4" LH jam nut
1 - eye bolt left handed thread	2 - 3/4" lock nuts	2 - steel sleeves	4 - urethane bushings

### Tools Required:

2 - 1-1/8" combination open-end/box-end wrenches      1 - pair of vise grips      1 - hammer

### **APPROXIMATE INSTALLATION TIME 30 MINUTES**

Step #1. Remove the factory installed rod off the coach.

Step #2. Grease and install urethane bushings and metal sleeves into each eyebolt on the end of the rod.

Step #3. Install the new radius rod where you removed the old rod.

**NOTE:** *(The rod has and eye on each end. These eyes are welded on at a slight angle for proper alignment. If it does not line up, take it off and turn it over. If it is too long or too short, turn center tube using vise grips. Leaving jam nuts loose).*

Step #4. Tighten the 3/4 bolts, leaving jam nuts loose and have radius rod in neutral position. (Not pulling or pushing the axle)

Step #5. Now install the right radius rod.

**Turn to page 2 for instructions on installing the right Radius Rod  
and  
Completion of both Radius Rods.**

## **FRONT AXLE RADIUS ROD - RIGHT HAND SIDE** (passenger side)

(For Safari Motor Homes with Velvet Ride ONLY)

The adding of the right side (*passenger side*) radius rod will further add to the safety and stability of driving your coach.

### Parts List:

1 - tube threaded each end	1 - $\frac{3}{4}$ " x 5" bolt	1 - $\frac{3}{4}$ " LH jam nut	1 - tube lubricant
1 - eye bolt right hand thread	1 - $\frac{3}{4}$ " x 3 $\frac{1}{2}$ " bolt	5 - $\frac{3}{4}$ " flat washers	1 - $\frac{3}{4}$ " RH jam nut
1 - eye bolt left handed thread	2 - $\frac{3}{4}$ " lock nuts	2 - steel sleeves	4 - urethane bushings

### Tools required:

2 - 1-1/8" combination open-end/box-end wrenches  
1 - hammer  
1 - pair of vise grips  
1 - drill or other equipment to drill  $\frac{3}{4}$ " hole

APPROXIMATE TIME FOR INSTALLATION 1 HOUR

### **CAUTION:** READ ALL INSTRUCTIONS PRIOR TO INSTALLATION

Step #1. Raise the coach and turn the wheels to the right for ease of access for drilling the  $\frac{3}{4}$ " holes. The  $\frac{3}{4}$ " holes on the right side (passenger side) will be drilled on the angle bracket of the I-Beam and on the Rectangular Tube. These holes will be drilled in the same approximate place that they are on the left hand side.

Step #2. Drill  $\frac{3}{4}$ " holes

Step #3. Grease and install urethane bushings and metal sleeves into each eyebolt on the end of the rod.

Step #4. Install the radius rod, using the  $\frac{3}{4}$ " bolts supplied.

**NOTE:** *(The rod has an eye on each end. These eyes are welded on at a slight angle for proper alignment. If it does not line up, take it off and turn it over. If it is too long or too short, turn center tube using vise grips. Leaving jam nuts loose).*

Step #5. Let coach down.

Step #6. Make sure wheels are facing straight ahead. With Radius Rods in their neutral position turn both rods one turn, pulling the axle and frame together slightly. There-by preventing the possibility of the axle moving when brakes are applied.

Step #7. Tighten the  $\frac{3}{4}$ " jam nuts on each rod.

Step #8. Now make sure that the steering wheel is straight. If it is not straight you may need to adjust the drag link.

**This completes the installation of the Radius Rods.**