

**INSTALLATION INSTRUCTIONS  
FOR  
SPARTAN M-LINE MOUNTAIN MASTER W/ IFS 2000 –2005  
AND  
SPARTAN W/ GRANNING IFS MODEL 1200/1320/1370**

PARTS NEEDED:

RGS/C5-9-02

**26-230**      **SAFE-T-PLUS** unit (Blue)  
**S-115K2.5**    **Mounting Hardware Kit** consists of:  
55-115-5      Anchor Bracket  
55-214mod    Tie Rod Bracket  
10-6-150    (2) 5/8"-18 X 1-1/2" Bolt  
14-625      (2) 5/8"-18 Nylok Nut  
16-900      3/4 X1-1/4 X 3/4" Spacer  
15-850      1-1/4" O.D. X 3/4" I.D. Washer  
12-38-1625K  3/8" X 1-5/8 " U-Bolt Kit

**TOOLS NEEDED:**    Standard 9/16 sockets and/or wrench for the U-bolt nuts.  
Standard 15/16 sockets and/or wrench for the Anchor Bracket bolts.  
Standard 1 1/8 sockets and/or wrench for unit attachment bolts.

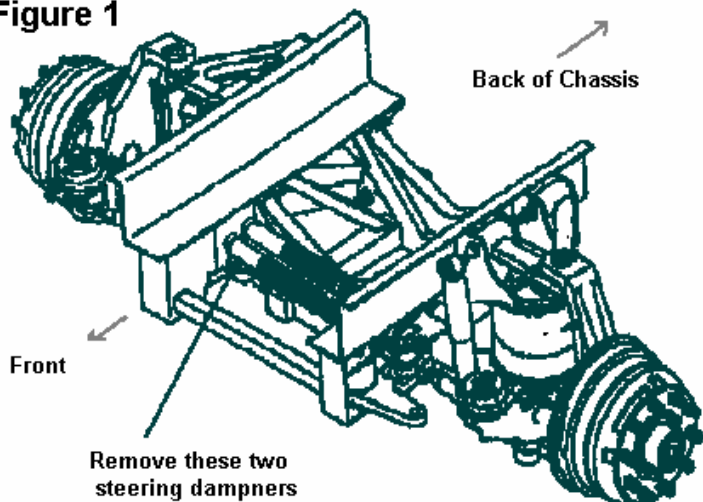
- Step 1. Set wheels of axle to a straight-ahead position. This is **IMPORTANT**. Later adjustment of the Tie Rod Bracket may be avoided if wheels are set perfectly straight.
- Step 2. Remove the two hydraulic dampners located between the frame rails in the cradle of the suspension system. (See Figure 1)
- Step 3. In the bracket where the threaded end of the hydraulic dampners were installed, attach anchor Bracket 55-115-5 to existing bracket on frame using the 5/8"-18 X 1-1/2" (Part #10-6-150) bolt and 5/8" lock nut (Part #14-625) as shown in Figure 2.
- Step 4. Install large end of Safe-T-Plus below the Anchor bracket with 3/4" X 3-1/2" bolt, that is supplied with the SAFE-T-PLUS unit **Do Not tighten at this time**, as shown in Figure 3 making sure the washer goes on the opposite side of the unit eyelet than the bracket.
- Step 5. Install small end of SAFE-T-PLUS unit to Tie Rod Bracket with 3/4" x 4" bolt, supplied with the unit, washers (Part # 15-850)-one washer supplied in MHK and other supplied with unit, 3/4" I.D. X 3/4" tall spacer (Part # 16-900), and nut (Part # 14-200)-supplied with unit. **Do not tighten at this time** (See Figure 4)
- Step 6. Install the Tie Rod Bracket (Part # 55-214) above tie rod as seen in Figure 4 with U-Bolts (Part # 12-38-1625K) provided in the kit. **Do not tighten at this time.**

**NOTE:**      **IT IS IMPORTANT THAT STEP #7 BE FOLLOWED IN THE ORDER AS LISTED IN THESE INSTRUCTIONS FOR PROPER INSTALLATION TO BE ACHIEVED.**

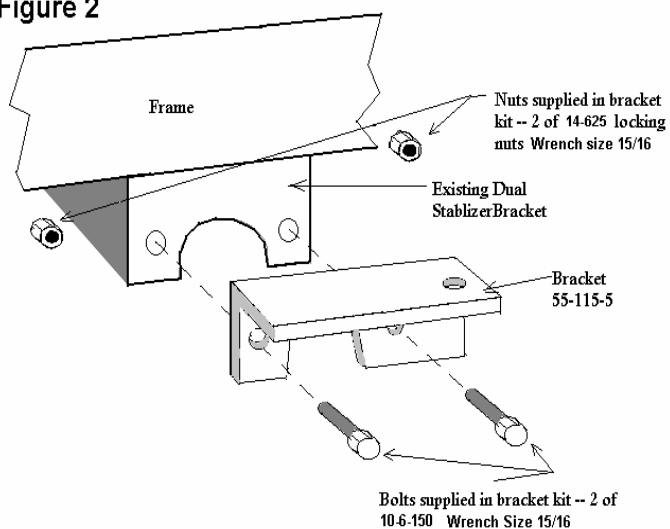
- Step 7. a)      Tighten the unit bolt on Anchor Bracket to 80-90 foot pounds of torque.
- b)      Tighten the U-Bolts on the Tie Rod Bracket to 25-27 pounds per in of torque.
- c)      Tighten the unit bolt on the Tie Rod Bracket to 80-90 foot pounds of torque using 2 open end 1-1/8".
- Step 8. Check to be sure installed unit clears all other parts of vehicle by turning wheels to both extreme right and left positions. If unit scrapes or binds at any point, review these instructions and make necessary corrections by rotating unit on the tie rod to obtain necessary clearance.

**Step 9. ROAD TEST & ADJUSTMENT PROCEDURES:** To ensure proper alignment and installation of the SAFE-T-PLUS unit, the vehicle should be road tested. Take along a socket wrench to fit the U-bolts on the tie rod. While driving on a straight stretch of road, vehicle should easily follow a straight course, if not, adjustment is necessary. To adjust, hold steering wheel in a straightforward position, stop vehicle, and set brakes. Loosen nuts on tie rod U-bolts and allow unit to self-center. Frequently this movement is not noticeable). Retighten nuts and test-drive again. Repeat this step if necessary until vehicle will hold a straight line. Note: The driver must continue to hold the steering wheel in a straightforward position until the adjustment has been completed. Otherwise the wheels will return to the pulling position instead of the straight-ahead position desired. If you need additional assistance, please call us toll-free at (800) 872-7233.

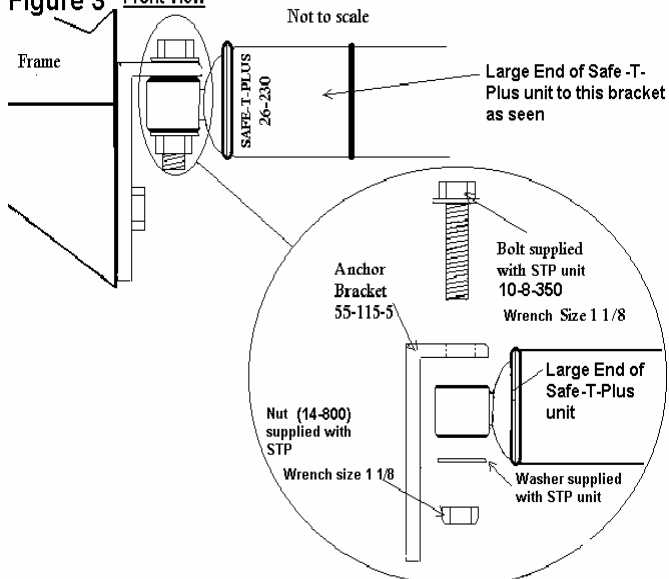
**Figure 1**



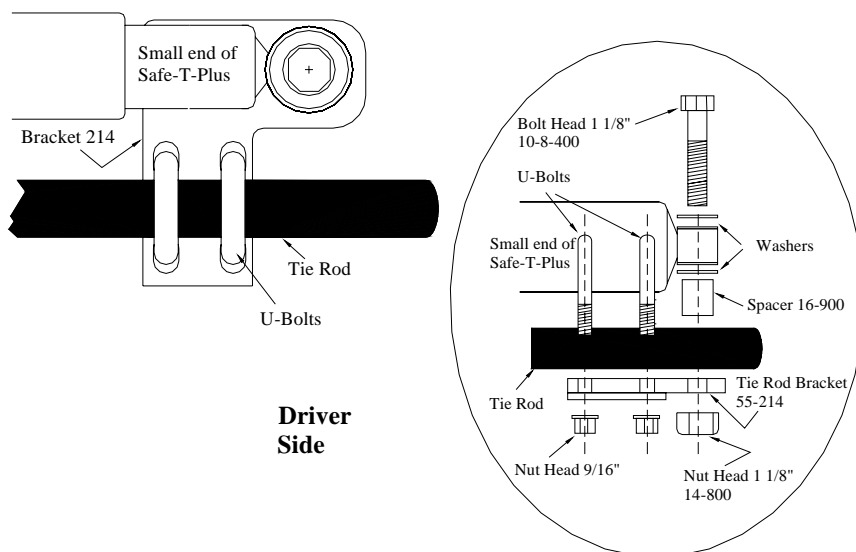
**Figure 2**



**Figure 3** Front View



**Figure 4** (Top View)



**Spartan Independent Front Suspension (I.F.S.)**