

**INSTALLATION INSTRUCTIONS
FOR
FREIGHTLINER MOTOR HOME 26000 SERIES
XC, VC, XCS & H LINES W/ AIR BAGS 2000-2001
ROADMASTER MONACO KNIGHT DIESEL 2001
SPARTAN ALPINE 1999 -- (ALL WITH 1-1/2' TIE ROD)**

PARTS NEEDED:

41-230	SAFE-T-PLUS Unit (Blue)
F-143K2	Mounting Hardware Kit consists of:
	55-143-6 Anchor Bracket
	55-206 Tie Rod Bracket
	12-38-1500K 3/8" X 1-1/2" U-Bolt Kit
	10-8-350 2 3/4-16 X 3-1/2 Bolt
	14-800 2 3/4-16 Stover Lock Nut Plated
	16-900 SPACER FOR FUEL TANK CLEARANCE
	10-8-400 1 3/4 -16 x 4 BOLT FOR TANK INSTALLS

Step 1. Set front wheels of vehicle to a straight-ahead position. This is **IMPORTANT**. Later adjustment of the Tie Rod Bracket may be avoided if front wheels are set perfectly straight.

Step 2. Remove bolts and nuts from passenger side or right side of shock mount bar, install Anchor Bracket, replace bolts and nuts with bolts and nuts enclosed, use existing flat washers and tighten nuts securely. SAFE-T-PLUS unit is to be attached to inside of Anchor Bracket with 3/4" bolt, nut and washer provided. (see illustration)

Step 3. Install Tie Rod Bracket on tie rod with U-Bolts provided.

Step 4. 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 25-35 foot pounds of torque.

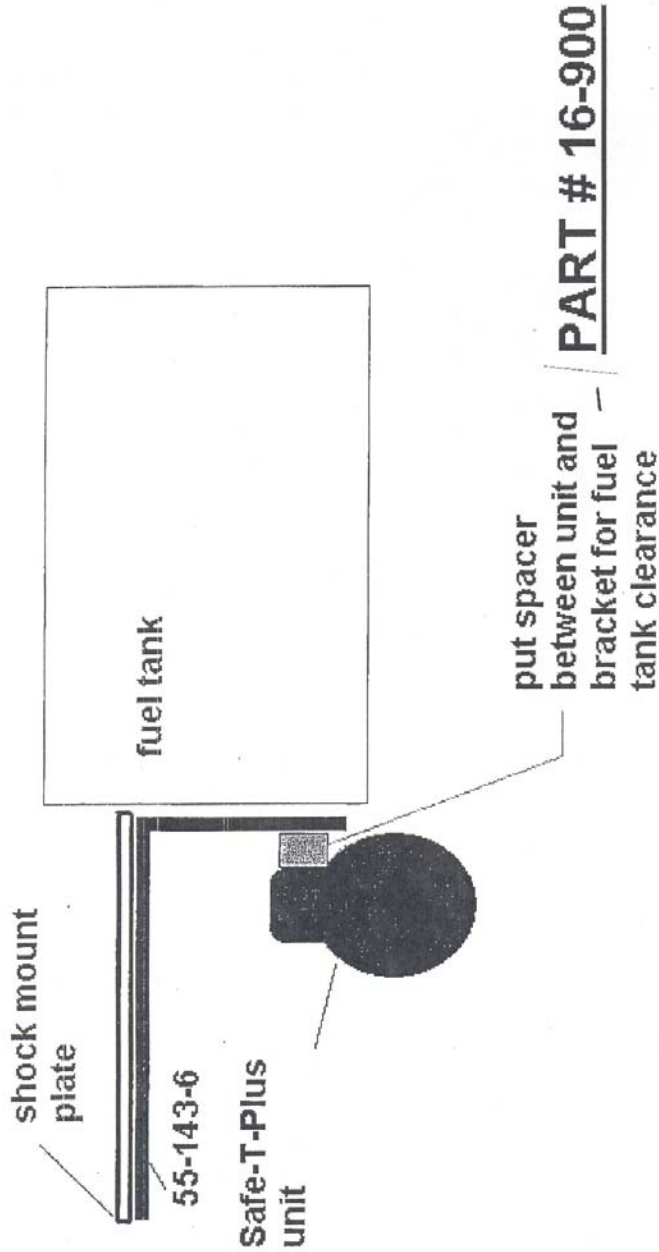
c) Finally, tighten the unit bolts on the Tie Rod Bracket to 80-90 foot pounds of torque.

NOTE: IT IS IMPORTANT THAT THE UNIT BE MOUNTED ON INSIDE OF ANCHOR BRACKET AND THAT STEP #4 BE FOLLOWED IN THE ORDER AS LISTED IN THESE INSTRUCTIONS FOR PROPER INSTALLATION TO BE ACHIEVED.

Step 5. Check to be sure installed unit clears all other parts of vehicle by turning steering wheel 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 Tie Rod to obtain necessary clearance.

***NOTE: A 3/4" SPACER MAY BE NEEDED FOR FUEL TANK CLEARANCE ***

**FREIGHTLINER STRAIGHT AXLE
WITH AIR BAGS**



*** IMPORTANT* IF YOUR FUEL TANK IS
CLOSE TO THE TIE ROD, YOU NEED TO
ADD 3/4" SPACER FOR FUEL TANK
CLEARANCE.**

Step 6. **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: You must hold the steering wheel in a straightforward position, with engine running, 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**.

F-143-K Installation

