

**INSTALLATION INSTRUCTIONS
FOR
DODGE RAM 1978-1999
250, 350, & 1500 SERIES VAN**

PARTS NEEDED:

7-10-02 C

31-120 **SAFE-T-PLUS** unit (White)
R-350K13 **Mounting Hardware Kit** consists of:
 25-304 Anchor Bracket
 25-405 Tie Rod Bracket
 12-516-1125K 5/16 X 1-1/8 U-Bolt Kit

Anchor Bracket 25-304 mounts on the left side (driver's side) of the vehicle to the idler arm.

Tie Rod Bracket 25-405. Using U-Bolts provided, install Tie Rod Bracket on steering drag link. (see sketch)

DO NOT TIGHTEN AT THIS TIME.

Thoroughly clean the section of Tie Rod before attaching bracket.

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 nut from idler arm and install Anchor bracket. Tighten nut back at this time.

Step 3. Install SAFE-T-PLUS unit to Anchor Bracket and Tie Rod Bracket using rubber bushing kit provided.

NOTE: **All grommets are to be tightened until they bulge over the edge of the steel caps or until they are approximately 1/4" thick.**

Step 4. Rotate Tie Rod Bracket around tie rod so that the small diameter end of the SAFE-T-PLUS unit is approximately 1/2" lower than the large end of unit. When positioned, tighten the four (4) U-Bolt nuts to 20-25 foot pounds of torque while maintaining an even amount of threads extending past each nut.

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 the tie rod to obtain necessary 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: 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.

