



INSTALLATION INSTRUCTIONS

For
C-103K3

Parts Needed:

41-180	SAFE T PLUS Unit (Tan)
C-103K3	Mounting Hardware Kit consists of:
	55-103-20 Anchor Bracket
	55-208 Tie Rod Bracket
	12-38-1750k 3/8 x 1 3/4" U-Bolt kit

- Step 1. Anchor Bracket. Remove nuts from front axle spring rear U-bolt, install bracket, replace and tighten nuts securely to **180 – 250 pounds** of foot torque (Bracket must clear above or below tie rod by at least 1/2" if rear mount).
- Step 2. Using U-bolts and nuts provided, install Tie Rod Bracket on opposite end of tie rod with 3/4" mounting holes extending from the side of tie rod to which unit will be mounted. Leave bracket slightly loose on tie rod for final positioning later. Thoroughly clean this section of tie rod before attaching bracket.
- Step 3. 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 4. Select the best unit to bracket installation position based on the following procedure: Unit should be installed to provide maximum protection by front axle. Small diameter end of unit should be 1/2" to 1" lower than large end of unit when installation is complete.
- (a) Unit may be attached either above or below both Anchor and/or Tie Rod Bracket.
- (b) It is preferable to install unit with large diameter end attached to Anchor Bracket; however, it may be installed in the opposite direction to obtain desired angle.
- Step 5. (a) After selecting best installation position install Anchor Bracket end of unit first. Align holes and insert one of the 3/4" bolts provided, using a large flat washer on the opposite side of unit mounting eye from bracket.
- (b) Install 3/4" lock nut to mounting bolt and tighten with a wrench to **80-90 pounds** of torque.

Step 6. (a) Next attach unit to tie rod by sliding Tie Rod Bracket to align the nearest 3/4" hole in bracket with unit mounting eye. Drop 3/4" bolt provided through aligned holes. Using a flat washer on opposite side of unit mounting eye from bracket, fasten a locknut and tighten with a wrench just enough to allow the unit eyelet to still easily rotate around the mounting bolt.

(b) Adjust the Tie Rod Bracket by rotating around tie rod to the point necessary to bring small diameter end of unit to a point 1/2" to 1" lower than large end of unit. When positioned tighten the four U-bolt nuts to **20/30 pounds** of torque.

(c) Tighten 3/4 -16 locknut to **80-90 pounds** of torque.

Step 7. Once STP Installed – perform a Right-Left-Turn test. Turn the steering wheel full right-hand turn and full left-hand turn to verify STP does not make contact with any steering components underneath chassis.

Step 8. **ROAD TEST & ADJUSTMENT PROCEDURES** – See attached documents.

After your first road trip with Safe T Plus Steering Control installed, please let us know how Safe T Plus performed. We enjoy hearing from our clients. You may contact us at support@safe-t-plus.com or (800) 872-7233.

