



Installation Instructions

TC6900 Bracket Kit

5/8" Diameter Axle U-Bolts

Serial No.

The TC35270 steering control is recommended for use with this bracket kit.

1. Set front wheels of vehicle in straight ahead position.
 2. Remove two nuts from front axle spring rear U-bolt on the driver's side.
 3. Install item 2 on to axle and reinstall the existing washers and nuts. Tighten to manufacturers specs. *Bracket must clear below tie rod at least 1/4".*
 4. Install item 3 on tie rod using items 4 and 7 (choose the appropriate U-Bolts for your application), according to drawing on page 2. **DO NOT TIGHTEN.** *Item 3 may be rotated or flipped to insure steering control (Item 1) remains parallel to the ground.*
 5. Install solenoid end of Item 1 to top of Anchor Bracket (Item 2) with Items 5, 6, 8 and 9, according to drawing on page 2.
 6. Tighten items 5, 6, 8 and 9 on Anchor Bracket (Item 2) to 180-200 t/lbs of torque.
 7. Install small end of TruCenter unit (Item 1) to top of Tie Rod Bracket with Items 5, 6, 8 and 9, see drawing on page 2. Allow enough slack for the Tie Rod Bracket (Item 3) to rotate to for alignment to the tie rod. **DO NOT FULLY TIGHTEN.**
 8. Rotate Item 3 around tie rod so that the small end of TruCenter Steering Control unit is approximately 1/2" lower than the solenoid end of the unit.
 9. Tighten Items 4 and 7 on the Tie Rod Bracket (Item 3) to 25-35 ft/lbs of torque, while maintaining an even amount of threads extending past each nut.
 10. Tighten Items 5, 6, 8, and 9 on the Tie Rod Bracket (Item 3) to 180-200 ft/lbs of torque.
- 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, make necessary corrections by rotating unit on tie rod to obtain necessary clearance.*
11. *Install TruCenter Steering Control wiring according to instructions included in its package.*

12. DEALER OR INSTALLER: BE CERTAIN USER RECEIVES INSTRUCTION SHEET.

Insure that you use the proper TruCenter steering control unit for your application. Using too strong or too weak of a steering control may result in improper or undesirable handling.

Product Safety Policy Statement

It is, and shall continue to be, a primary objective of Blue Ox Towing Products to provide customers with safe and reliable products. Blue Ox will, and has, established safety procedures in product design, manufacture, promotion and sales; and will coordinate efforts to promote customer safety to the greatest extent possible. Each department has primary responsibility for the promotion of safety under the guidelines of the Product Safety Committee.

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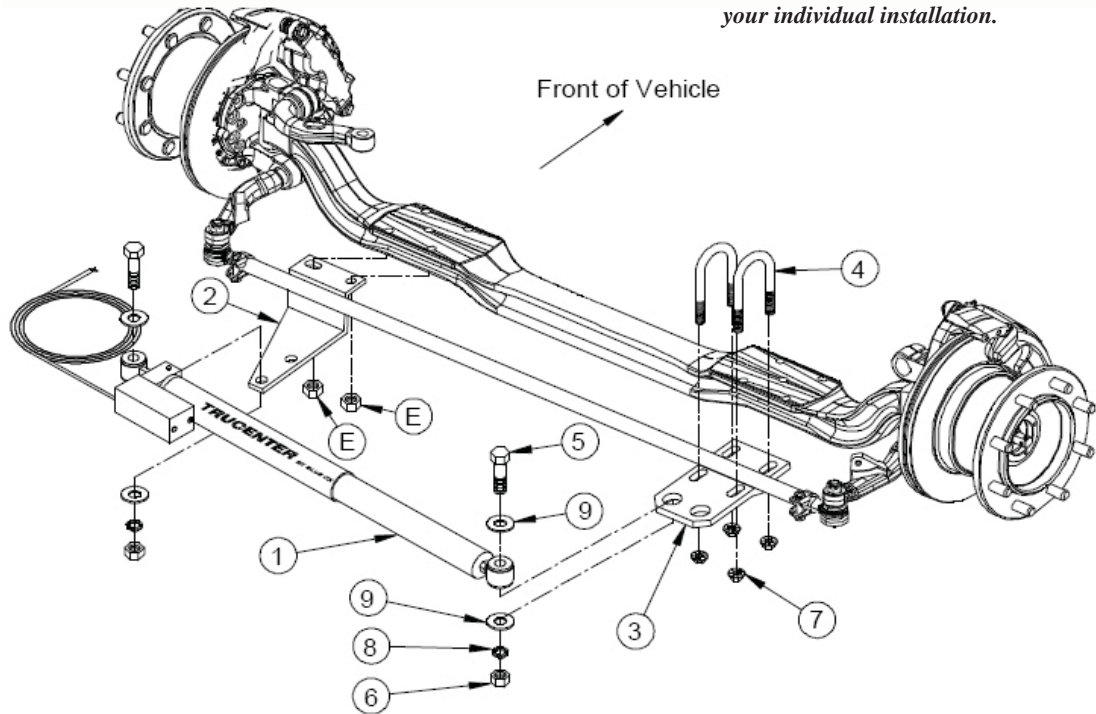
Tools Required

9/16" Socket

1 1/8" Socket

1 1/8" Wrench

Note: Chassis shown may vary slightly from your individual installation.



Parts List

| Ref. No. | Qty. | Part No. | Description |
|----------|------|----------|--------------------------------------|
| 1* | 1 | TC35270 | TruCenter, Steering Control |
| 2 | 1 | 101-6417 | Plate, Anchor Bracket |
| 3 | 1 | 102-6343 | Bracket, Tie Rod |
| 4 | 2 | 201-0714 | U-Bolt, 3/8-16 x 1.25, Grd 5, ZP |
| 4 | 2 | 201-0716 | U-Bolt, 3/8-16 x 1.50, Grd 5, ZP |
| 4 | 2 | 201-0718 | U-Bolt, 3/8-16 x 1.75, Grd 5, ZP |
| 5* | 2 | 201-0780 | Bolt, 3/4-10 X 3 1/2, 1.59In Flange |
| 6* | 2 | 202-0180 | Nut, 3/4-10, 1.59 Flange, Grd. 8, ZP |
| 7 | 4 | 202-0174 | 3/8-16, Cent. Dimp. Flng, Nut, ZP |
| 8* | 2 | 203-0014 | 3/4 Lock Washer, ZP |
| 9* | 8 | 203-0007 | 3/4 Flat Washer, ZP |
| E | 2 | | Existing Hardware |

* items are purchased separately in the TC35270 steering control kit.

IMPORTANT: Use only genuine factory replacement parts on your bracket kit. Do not substitute homemade or nontypical parts. If a bolt is lost or in need of replacement, for your safety and the preservation of your bracket kit, be sure to use a replacement bolt of the same grade. Repair parts may be ordered through your nearest **Blue Ox** dealer or distributor.



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