

08/16/12

### **Brake Bleeding Procedure Disc and Drum Brakes**

- ◆ Bleeding the brakes can be done using a pressure tank bleeder or be done manually. For manual bleeding procedure, refer to actuator owner's manual for proper method.
- ◆ **Pressure tank bleeding.**
- ◆ Pressure tank should be no more than 30 PSI.
- ◆ **For Disc Brakes only.** It is important that the pistons in the calipers be fully extended before plumbing lines to calipers. The preferred method is to use air pressure.
- ◆ **IMPORTANT!** Please be aware that the power bleeder does not have enough pressure to push the pistons out after using air, and will require manual actuation of the actuator after the system is bled. After system is bled, manually actuate the plunger full stroke 6 times as shown in owner's manual. Make sure that reservoir does not become low on fluid during this process.
- ◆ Bleed master cylinder by filling the master cylinder reservoir and SLOWLY actuating the plunger (as shown in owners manual) until the small bubbles coming up from fluid opening stop.
- ◆ Connect pressure tank bleeder to actuator with appropriate adapter.
- ◆ Facing rear of trailer, bleed brakes starting at the left wheel for single axle trailer, or left rear wheel on tandem or triple axle trailer.
- ◆ Open bleed valve on the wheel cylinder and let fluid flow until you get a steady stream with no air bubbles, then close valve.
- ◆ Repeat this procedure for the right wheel, or right rear wheel on tandem and triple axle trailers.
- ◆ If bleeding a tandem or triple axle trailer, use the same procedure starting at the rear axle and working forward. Bleed left then right wheel on rear most axle. Move to next axle forward and bleed left wheel then right wheel. Continue moving to next axle forward bleeding left wheel first then right wheel until all axles have been bled. Check all fittings for leaks, remove pressure bleeder and fill actuator to top with brake fluid. **After brakes have been bled, manually activate actuator and attempt to rotate wheels to ensure brakes are working. Check brake fluid level and top off if required.**



Work Instruction

# BLEEDING PROCEDURE

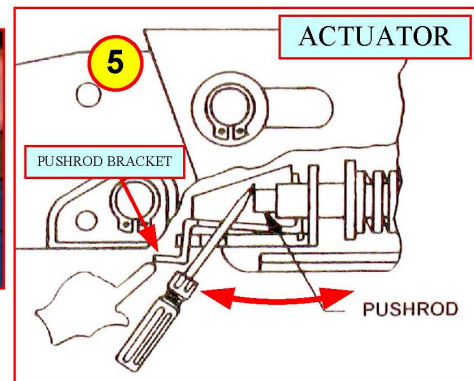
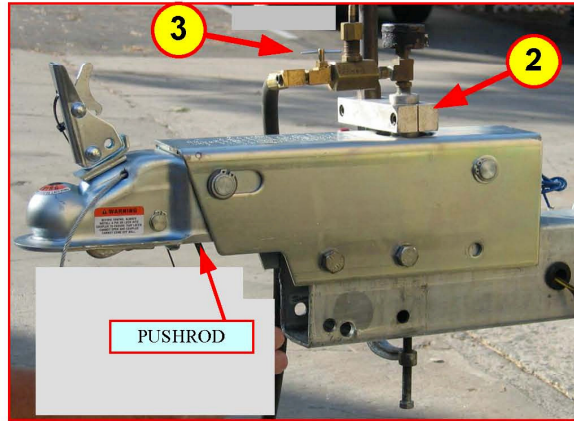
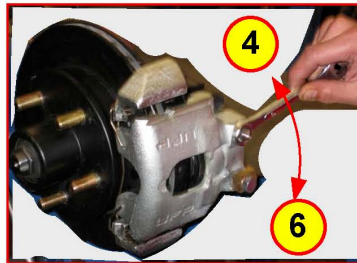
FRED WANG 3/31/09

**1**  
USE CLEAN DOT 3  
FLUID WITH NO AIR  
BUBBLES

**2**  
CONNECT BLEEDER  
CLAMP

**3**  
TURN ON BLEEDER  
VALVE  
(15 PSI MIN.; 30 PSI MAX.)

**4**  
OPEN BLEED SCREW  
AT 1<sup>ST</sup> CALIPER



**5**  
STROKE PUSHROD  
(1<sup>ST</sup> CALIPER ONLY)

- PUSH UP AND HOLD PUSHROD RELEASE BRACKET.
- USE FLAT SCREW DRIVER STROKE PUSHROD 6 FULL STROKES.
- PULL OUT SCREW DRIVER AND CONFIRM PUSHROD IS EXTENDED BACK TO RELEASED POSITION.
- PUSHROD BRACKET SHOULD MOVE UP AND DOWN FREELY.

**6**  
TIGHTEN  
BLEED SCREW

- TIGHTEN BLEED SCREW AT CALIPER WHEN ALL AIR IS PURGED. (IT WILL TAKE 30 SECONDS FOR AIR BUBBLES TO REACH THE CALIPER.)

**7**  
BLEED OTHER WHEELS  
IN SEQUENCE

FINISH

