

Sheppard Auto Plunger Adjustment Procedures

Auto relief plunger setting should always be checked during the pre-delivery inspection. Any time the tire size is changed, the axle stops tampered with, changed, bent/broken or the steering gear changed an auto relief plunger adjustment is necessary. **It is always the installer's responsibility to insure this adjustment is made!**

How To Adjust "Auto Relief Plungers"

Required tools: 1/4" punch, ball peen hammer and the vehicle manufacturer's service manual :

1. Park the vehicle on a clean, dry surface (preferably concrete). Place the transmission in neutral and set the parking brake. The front tires need to be in the straight ahead position.
2. Verify the steering gear you are working on is equipped with auto relief plungers.
3. Remove the plastic caps from both plunger holes. Insert the punch into the hole. Using the hammer, tap the punch until the plunger "bottoms" in the plunger bore. Repeat this procedure for both plungers. Replace the plastic caps after setting the plungers to the maximum depth. **NOTE:** Take care when using the punch to insure the plunger bore is not damaged when adjusting the auto plunger.
4. Raise the steer tires until the tires clear the surface. Start the engine and allow it to run at idle speed.
5. Turn the wheel to a full turn in one direction. (Turn until the axle stop contacts the axle.) Pull hard on the wheel to set the auto plungers. Turn the wheel to a full turn in the opposite direction. Return wheel to straight ahead.
6. Lower the vehicle and remove the jack.
7. Verify the proper setting of the auto relief plungers. With the steer tires on the ground and the full weight of the vehicle on the tires, turn the wheels a full turn in one direction. When properly adjusted, there will be a small gap between the axle stop and the axle. Repeat for the opposite turn.