

ENGINEERING BULLETIN

Problem:

Horizontal auger slugs, mainly in small grains or upon initial start up.

Supplies needed:

- 1- 9/16" JIC tee fitting 1 female 2 male ports. (Balzer P# 72152)
- 1- 9/16" JIC female to 1/4" female adapter (Balzer P# 72153)
- 1- 3000 psi gauge (Balzer P# 8638)

Tools needed:

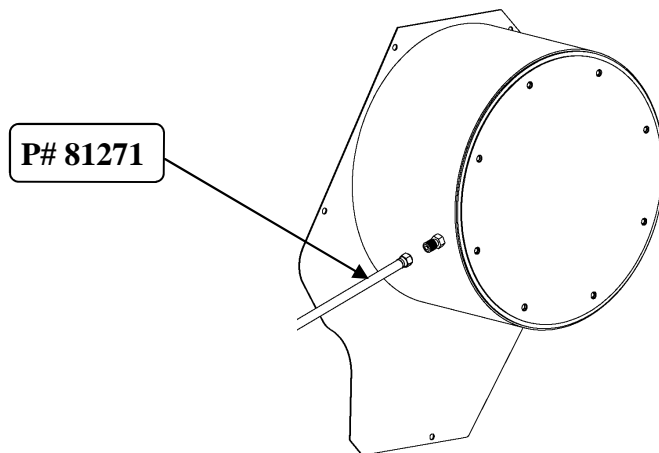
- SAE wrench set
- SAE allen wrench set

Solution:

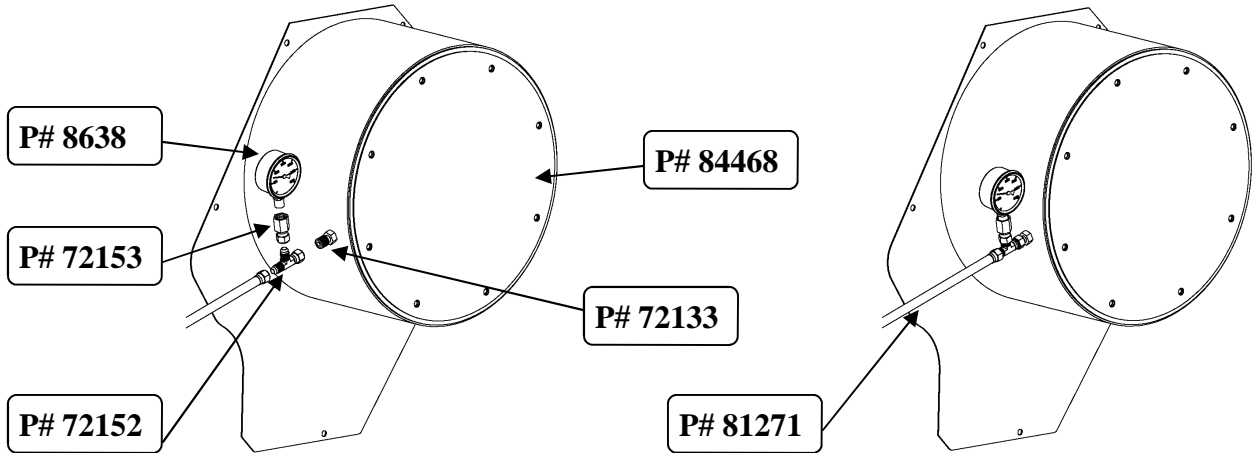
Pressure reducing valve for clutch can be adjusted higher. This is normally set at 1000 psi. It can be adjusted up to 1500 psi without concern.

If there is no pressure gauge installed, you must put one in-line with hydraulic hose **P# 81271**. The following procedure can be used to accomplish this:

Loosen hydraulic hose **P# 81271**



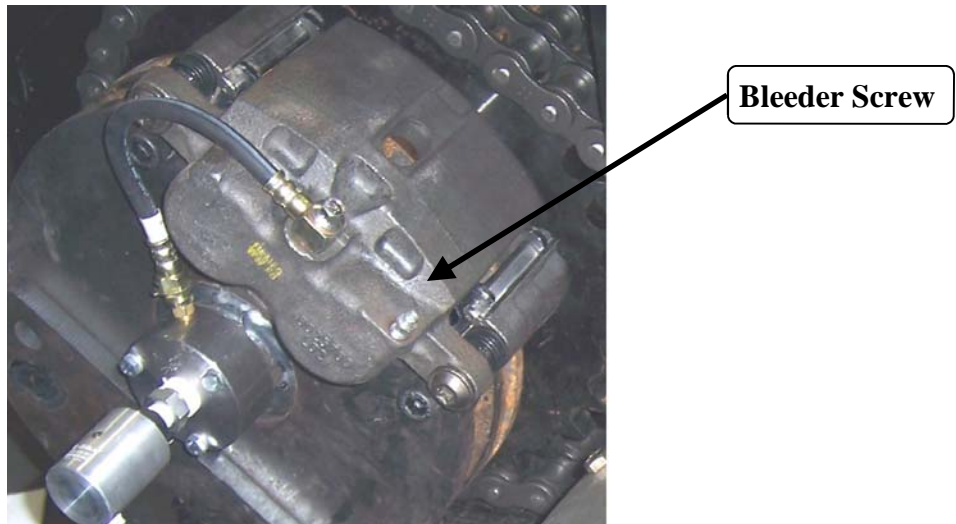
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Connect T-fitting **P# 72152** to bulkhead fitting **P# 72133**. Connect JIC Female adapter **P# 72153**. Connect pressure gauge **P# 8638** to female adapter using Teflon thread tape. Re-connect hydraulic hose **P# 81271**. Tighten all connections.

Clean Horizontal Auger Rotor and Bleed Brake Caliper

Remove brake clutch cover plate **P# 84468**. Rotate brake caliper so the bleeder screw is at the highest position. Loosen brake caliper bleeder screw to remove any air. Once only fluid escapes, tighten bleeder screw. Use brake cleaner to remove any hydraulic fluid and debris from brake rotor. **Make sure not to spray any brake cleaner on the brake pads.** Replace brake clutch cover plate **P# 84468**.



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Adjust Hydraulic Pressure

This is accomplished by loosening the jam nut on the adjusting screw of the aluminum block, and turning the adjusting screw clockwise until the gauge reads 1500 psi at the clutch shield.



Inform the operator to engage the tractor valve to the Float position (Note: This does not mean the Neutral Position on the tractor valve.) “Clutch should be Disengaged” when auger is not unloading, and more importantly before shutting down the tractor. Trapped oil in the clutch circuit can expand due to warm air temperatures, causing the swivel fitting to fail.