GPL 10000 Hydraulic Prime Procedure

3.7 Warm Start / Hydraulic Bleed

After the tubes and fittings have been leak/pressure tested and the unit has been configured, the odorizer is ready to be started.

1. Remove 1/2" plug and fill pump housing with included Way Oil, oil should completely cover pistons and piston carriage. ****DO NOT PUT WAY OIL IN HYDRAULIC LEGS OF ODORANT PUMP****

> **Note:**
>
> *Refer to drawing 10-05072H.*

2. Ensure the main odorant valve on the storage tank is open, as well as the valve for the odorant prime/ purge return circuit.

3. Move the Inject/Purge valve (KK) to the "Purge" position(Three-way valve flow arrow facing down)

3. Fill hydraulic bleed kit and syringe with included can of hydraulic fluid. ****DO NOT USE WAY OIL TO BLEED GPL10000 HYDRAULICS, DOING SO WILL VOID GPL ODORIZER WARRANTY****

4. Remove compression caps on bleed valves and slowly open each bleed valve on hydraulic pump housing. Using the attached compression fittings on the hydraulic bleed tool, secure the tubing of the bleed tool to each end of the bleed valves (CC). Gently pull back on the syringe to create a slight vacuum on each side of the pump.

5. On the local display or laptop go to the Startup Screen and set the motor speed to 5 RPM, then enable the motor. Allow the pump to run with the vacuum, and wait until no bubbles are seen in the bleed tubing for several minutes.

6. Close each bleed valve when the fluid level on the respective side reaches its lowest point.

7. Increase Prime motor speed to 10 RPM. Allow pump to run again for several minutes, observing the pump efficiency.

8. Continue to run, or repeat steps 4–7 until efficiency is consistently over 85% (0.85), and then disable pump prime. A properly primed injection pump will have an efficiency of 120% (1.20)

9. Slowy move the Inject/Purge valve (KK) to the "Inject" position.

10. Verify solenoid override is in auto (from leak testing) and all Gas, Odorant, Alarm, etc.. settings are properly configured.

11. Turn Unit on.