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# PowerGlide Plus Orifice Removal

Before populating the hydraulic fittings on the AutoBoom valve, it is necessary to remove orifice fittings from the valve in the PowerGlide Plus system. Failure to remove these fittings from the valve will restrict the down speed of the booms when the system is enabled.

**FIGURE 1. Port 3A and 3B Location**



1. Locate Ports 3A and 3B on the AutoBoom valve.

**FIGURE 2. Coil Removed from the AutoBoom Valve**



2. Remove the coils from the solenoids near Ports 3A and 3B to gain easy access to those ports.

**FIGURE 3. Port Plugs Removed from the AutoBoom Valve**



3. Use an Allen wrench to remove the plugs from Ports 3A and 3B.

FIGURE 4. Orifice Fitting Removed from the AutoBoom Valve



Orifice Fitting  
Removed - Keep for  
Future Use

4. Remove the orifice fittings from Ports 3A and 3B.

**Important:** *Tip the AutoBoom valve on its side and use the Allen wrench to remove the orifice from the cavity, taking care not to let the fitting fall into the valve.*

FIGURE 5. Port Plug Reinstalled on the AutoBoom Valve



5. Use the Allen wrench to reinstall the port plugs on Ports 3A and 3B of the AutoBoom valve.

FIGURE 6. Coil Reinstalled on the AutoBoom Valve



6. Reinstall the coils on the solenoids of the AutoBoom valve.

**Important:** *Keep the orifice fittings for future use. They must be reinstalled to convert AutoBoom back to an UltraGlide system.*