Problem	Cause	Remedy
Cannot adjust pressure on UniForce low enough	Knob is turned the wrong way	Knob should be all the way out (counter-clockwise) to have the lowest pressure.
	Return hose to tractor isn't coupled	Couple it
	Pressurizing the wrong port on UF manifold (pressure should be the top port on RH side of UF manifold)	Switch the hoses going into the tractor remote
	Too much pressure on backside of pressure-reducing valves (cartridges)	1) is UF manifold connected to JD valve block? -- if so, replumb circuits to be completely separate (run rockshaft on its own remote)
		2) if (1) isn't possible, then cycle thru 'float' to relieve pressure, then adjust
	Tractor remotes bleeding across to each other	Rebuild remotes; try a different tractor
	Debris in manifold	Using brake cleaner, remove the pressure-reducing cartridge(s) and spray them down. Do the same for the relief valve (adjustment-knob mechanism). Make sure there isn't any debris stuck in any of the holes. Don't disassemble the cartridges themselves. When reinstalling, don't over-torque (25 ft-lbs only).
	Pressure-reducing cartridge(s) stuck because of over-torqueing. (This shouldn't be an issue for any installs done by our vendor since they use a torque wrench, but if someone removed a cartridge and over-torqued it, pressure won't go lower; sometimes we move PR cartridges between manifolds at our warehouse, and haven't always used a torque wrench.)	Loosen cartridge and retighten to 25 ft-lbs, or just enough to keep it from leaking.
Cannot build pressure	Air in system	Bleed air – remove plug from top port on LH end of manifold, pressurize until oil flows out; do the same on header hoses
	Knob is turned the wrong way	Knob should be all the way in (clockwise) to have the highest pressure.

Cannot build pressure (cont'd)	Pressurizing the wrong port on UF manifold (pressure should be the top port on RH side of UF manifold)	Switch the hoses going into the tractor remote
	Debris in manifold	Using brake cleaner, remove the pressure-reducing cartridge(s) and spray them down. Do the same for the relief valve (adjustment-knob mechanism). Make sure there isn't any debris stuck in any of the holes. Don't disassemble the cartridges themselves. When reinstalling, don't overtorque (25 ft-lbs only).
	Relief valve cartridge (adjustment-knob mechanism) is stuck due to over-torqueing. (This shouldn't be an issue for any factory installs since they use a torque wrench, but if someone removed this cartridge and over-torqued it, pressure won't build.)	Loosen cartridge and retighten to 25 ft-lbs, or just enough to keep it from leaking.
Pressure builds more slowly than desired	Flow on tractor is set too low	Set higher (we prefer max for the remote operating UniForce)
	If manifold uses more than 1 pressure-reducing cartridge (has more than one hose coming out the rear of manifold), one of them may be stuck.	Loosen PR cartridges and retorque to no more than 25 ft-lbs.
	A pressure-reducing cartridge may have debris in it.	Using brake cleaner, remove the pressure-reducing cartridge(s) and spray them down. Make sure there isn't any debris stuck in any of the holes. Don't disassemble the cartridges themselves. When reinstalling, don't overtorque (25 ft-lbs only).
	Tractor hydraulic capacity inadequate (this is unlikely except on air drills, unless the tractor is 40 yrs old)	Tee 2 remotes together to supply UniForce. Or use different tractor. Exapta's accumulator may also help.
Cannot maintain pressure	System is leaking across between pressure side and return somewhere	Check o-rings on all components in the manifold or valve block, including cavity plugs; replace if any are nicked or cut
		Switch remotes on tractor
	Tractor's pump doesn't have enough capacity	If an air drill, try running w/o fan to diagnose; use a different tractor

	Hydraulic oil is low	Top off hydraulic reservoir
Hoses popping out of tractor remote	Quick couplers are worn or not up-to-spec	Rebuilt tractor SCV remote; replace male quick coupler tips on hoses (also, sometimes the brand/quality of the tips is a factor)
		Reduce flow setting for that remote (max is really only beneficial in terraces or similar terrain)