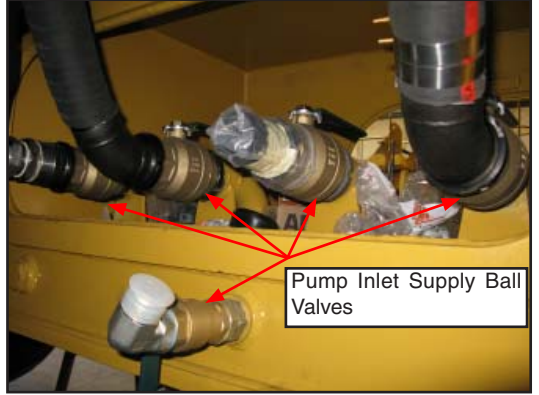



Wagner Lumberjack Start-Up Procedure

Follow these steps when starting a Lumberjack for the first time.

	Procedure	Yes/No	
1.	Review and understand the following instructions before starting.		
2.	Look for and remove any potential safety hazards.		
3.	Make sure pump inlet supply ball valves (located on right side of chassis) are closed (see Figure 1). Fill hydraulic tank with filtered hydraulic oil.		
4.	Wait 24 hours before opening ball valves.		
5.	Check hydraulic tank, tank fittings, hoses and ball valves for leaks.		
6.	Open ball valves <u>one at a time</u> and check for leaks. Make sure all pumps are primed (oil should flow from outlet port). Note: Some pump(s) may be mounted above the hydraulic reservoir oil <i>full</i> level and will not prime properly. Prime pump by removing hose end from inlet of high pressure filter and pour one quart of filtered oil in hose. Reconnect to high pressure filter.		
7.	Use Lock-Out Tag-Out procedure to ensure machine won't be started. Make sure ground cable is disconnected from negative post on battery. Turn battery disconnect switch to the OFF position.		
8.	Make sure actuation nitrogen bottles near ingress/egress access points are removed from fire suppression system. (see Figure 2).		
9.	Remove Lock-Out Tag-Out. Make sure key switch is in OFF position. Turn battery disconnect to ON. Touch ground wire to negative post on battery. If there is a large arc, find and repair problem. A small arc is ok, connect ground wire to negative post.		
10.	Ensure Pre-Run Checklist on page 1 in Form 61-29 is complete before proceeding.		
<i>Two people are required for the following (cab and ground level).</i>			
11.	Make sure all ball and gate valves are open; Oil, Fuel, Antifreeze. (see Figure 1).		
12.	Make sure personnel and objects are clear from machine to prevent injury or damage to equipment.		

13.	Turn key to RUN position but, Do Not start. Make sure transmission is in neutral and parking brake applied. Audible and visual alarms will be activated.		
14.	Turn OFF any components that might be in ON position; AC, wipers, stereo, etc. Engage starter briefly by turning key to START and back to RUN quickly. Do Not start. Check for leaks, electrical burning, etc. Repair any problems before continuing.		
15.	Start engine and let idle for 15 to 30 seconds. Turn off engine. Check for leaks, electrical burning, etc. Repair any problems before continuing.		
16.	Start engine again and let idle for three minutes (parking brake warning light should stop illuminating). Turn off engine. Check brake valve settings if parking brake warning light didn't stop illuminating.		
17.	Start engine and let idle. Bleed the brakes.		
18.	Ensure Start Engine and Check list on page 1 in Form 61-29 is complete.		
19.	Increase engine RPM 1) Raise to 1500 for one minute. 2) Raise to high free idle for one minute. 3) Return to idle.		
20.	Make sure personnel and objects are clear of machine to avoid injury or damage to equipment.		
21.	Remove air from hydraulic system by cycling implements and turning steering wheel left and right. Stabilizer cylinders should be actuated first. Retract cylinders. Extend 1/4, retract back. Extend 1/2, retract back. Extend 3/4, retract back. Extend out all the way, retract back. May need to lift boom slightly in order to extend stabilizer cylinders fully. Actuate all functions in this manner, including steering. Check oil level. Fill to <i>full</i> if necessary.		
22.	Release parking brake and engage transmission into 1st gear (forward and reverse). Do Not move machine.		
22.	Return transmission to neutral, set parking brake and turn OFF engine.		