

Power Trac PT-1850

Draft Control Adjustment Procedure

The draft control is a standard feature on the PT-1430, PT-1845, and the PT-1850 Power Tracs. The purpose of the draft control valve is to hydraulically transfer the weight of the mower to the front wheels of the unit. This allows the unit to have better traction on slopes and also so the mower doesn't ride as hard. The larger mowers, particularly the 72" wide and 90" wide deck, are heavier than other Power Trac mowers. This extra weight can cause damage to the gage wheels on the back of the mower and the caster forks on the front of the mower. The draft control valve uses the pressure from the high-pressure side of the variable volume pump to operate. The on and off switch for the draft control is on the instrument panel underneath the steering wheel. The draft control adjustment valve is located in the engine compartment of the rear section close to the oil tank behind the operator's seat. To properly adjust the draft control valve, turn the machine on and turn on the draft control valve. When you turn on the draft control valve, the mower will pick up slightly. Also be sure to leave the PTO switch in the off position and leave the park brake set. After you turn on the draft control valve, press down the treadle enough to build up the pressure, but not enough to tram through the brakes. Next, you release the lock-nut knob on the draft control valve cartridge with the two black adjustment knobs on top. Then you slowly turn on the adjustment knob until the mower raised up enough that the caster forks turn free, then back it out 1/4 turn and lock it down there. This should properly adjust the draft control and pick up the mowing deck enough to give the unit plenty of traction on slopes. This will also prevent any damage from occurring to the mower components while still allowing the mower to cut efficiently.