

Download File PDF Peerless Vst 205 Manual

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

VST Hydrostatic Model Troubleshooting

The information on this page has been provided to help understand the internal operation of the VST. Do not use this information to attempt any internal repairs. Tecumseh's current policy on hydrostatic transaxles that have internal failures is to replace the complete unit. This has not changed. However, Tecumseh would like to provide a failure checklist to assist in making an accurate evaluation of the complete tractor to eliminate any unnecessary replacements. Here is a list of items to check and corrective actions to take.

1. Allow the unit to cool before trying the following steps.
 2. Put the shift lever in a position that is 1/2 of the travel distance from neutral to forward.
 3. Place the tractor on a 17 degree grade.
 4. Drive the tractor up the grade without the mower deck engaged. The loss of power experienced should be approximately 20%. This is considered normal. If the loss of power is approximately 50%, this would be considered excessive.
 5. Bring the unit to neutral, shift into forward and note the response. Care should be taken to move the lever slowly to avoid an abrupt wheel lift.
- To determine if the problem is with the hydro unit, all external problem possibilities must be eliminated. Here are some potential problem areas.

1. **Overheating:** Heat can cause a breakdown in the viscosity of the oil which reduces the pressure used to move the motor. Remove any grass, debris, or dirt buildup on the transaxle cover and f or between the cooling fins and fan. Buildup of material will reduce the cooling efficiency.
2. **Belt slippage:** A belt that is worn, stretched, or the wrong belt (too large or wide) can cause belt slippage. This condition may have the same loss of power symptom as overheating. Typically, the unit which has a slipping belt will exhibit a pulsating type motion of the mower. This can be verified usually by watching the belt and pulley relationship. If the belt is slipping, the belt will chatter or jump on the pulley. If the belt is good, a smooth rotation will be seen. Replace the belt and inspect the pulley for damage.
3. **Leakage:** The VST and 3000 Series have two oil reservoirs which can be checked for diagnostic purposes. The first is the pump and motor expansion bellows, with a small diameter blunt or round nose probe, check the bellows depth through the center vent hole. Proper depth from the edge of the hole is 3.14 - 3.172 inches (8.25 - 8.9 cm). The second chamber is for the output gears including the differential. FIRST make sure the tractor is level, then remove the drain/fill plug. NOTE: Some units that do not have differential disconnect will have two plugs. We recommend using only the primary plug. With a small pocket rule insert until you touch bottom of case. You can then remove it and check for 14 - 3.88 inches (6.5 - 9.8 mm) contact, this is full oil fill or capacity.
4. **Low ground speed:** If the linkage is not synchronized to absolute neutral, or the shift lever is not properly fastened to the tapered control shaft, full forward travel may not be achieved. This may cause a false reading and be misdiagnosed as a low power condition. This also could be caused by the brake not releasing. To determine absolute neutral, the hole in the tapered control shaft must face straight up and down, at this point make sure the OCM linkage is in neutral. To properly fasten the control lever to the shaft, torque the nut to 25-33 ft. lbs. (34 - 45.3 Nm) of torque with the shaft and the lever in neutral. When attaching the shifter arm to the shaft you must prevent any rotation during torquing. This can be done by placing a long S116 bolt in the hole of the shaft. Hold the bolt until the tapers are locked and the nut torque is correct. To make sure that the brake is not binding, drive the unit up a slight grade. Position the speed control lever into neutral. The unit should coast backwards. If the unit does not coast back slowly, the brake is not released from the brake disk. Adjust the brake linkage to release the brake completely when the foot pedal is released.
5. **Hard to shift:** Typically hard to shift symptoms are not caused by the hydrostatic unit. The shift arm should move with relative ease. Approximately 60.00 inch lbs. (4.48 - 5.6 Nm) at the transaxle for foot pedal units or 150-200 inch lbs. (16.8 - 22.4 Nm) for hand operated units. This varies depending on the type of linkage. Binding may occur in the linkage connections due to rust or moisture. Lubricating these connections and checking for bent or damaged parts should resolve hard shifting.

[Download PDF version of :](#)
Peerless Vst 205 Manual