



Product Bulletin

WARNING! FRICTION DISC CLUTCH ADJUSTMENT! VERY IMPORTANT!!!

It is very important to make sure the friction disc slip clutch is properly adjusted on your new **Maschio Rotary Tiller**. The slip clutch is factory set by the PTO drive line manufacturer to a pre-set torque load. This setting will most likely not be appropriate for your specific tractor horsepower and application.

It is your responsibility to field test and set the clutch according to your field conditions and tractor horsepower. If you do not do this, you may "smoke" the clutch and glaze the friction discs.

To prevent possible damage to the clutch, the tiller, or to your tractor PTO, it is necessary to complete the following steps **before** running this machine.

1. Install the PTO shaft and clutch assembly to the tractor and tiller following the steps in the PTO driveline fitting bulletin.
2. Position the tractor and tiller in the field before engaging the tractor PTO.
3. Engage the tractor PTO, bring the engine speed up to the desired working speed, and slowly lower the tiller into the ground while moving forward.
4. Monitor the PTO shaft and clutch to make sure the clutch is not slipping excessively. The clutch should momentarily slip if you strike a rock with the tiller blades. The clutch should not slip during normal operation.

If the clutch slips excessively follow these steps:

1. Immediately stop the tractor and disengage the PTO.
2. Lower the tiller to the ground and turn off the engine
3. Adjust the friction disc clutch by tightening the nuts on the clutch springs. There is no specific measurement we can give you to set the springs. Tighten each spring $\frac{1}{4}$ to $\frac{1}{2}$ turn and field test the setting again.
4. It may take several adjustments to set the clutch for your conditions.

If the clutch does not slip at all during initial use, you may want to field set the clutch by backing off on the nuts, and going through the same process as above.

We have included at no charge, one additional set of friction discs for your clutch. The first set of friction discs is on us. After this you are on your own. **FRICTION DISCS ARE NOT COVERED BY WARRANTY.** Keep in mind that the clutch needs regular maintenance, especially after the tiller has been in storage for the winter. Our recommendation is to free up the clutch assembly completely, inspect the discs, and field test the clutch every spring before use.