

HYDRAULIC SYSTEM (OPTIONAL)

- Ensure that all hydraulic connections are tight before connecting cutter to tractor.
- Ensure all hydraulic lines and hoses are in good condition before pressurizing hydraulic system.

Driveshaft

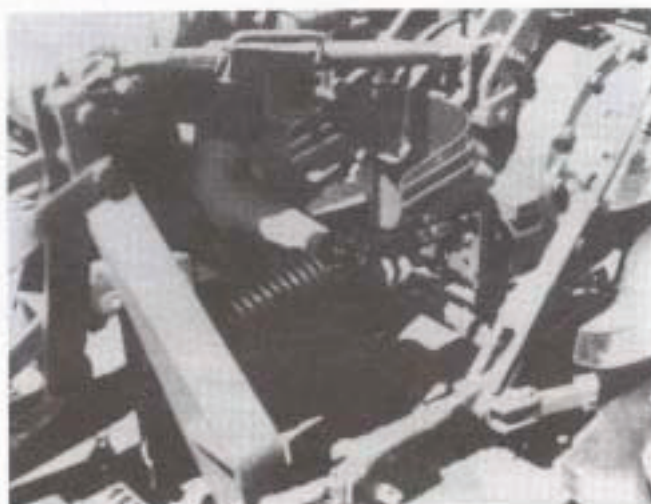


WARNING



NEVER ATTACH THE CUTTER TO A 1000 RPM PTO. THE CUTTER IS RATED FOR 540 RPM ONLY. OPERATING THE CUTTER AT OVER 540 RPM COULD RESULT IN SEVERE DAMAGE TO THE CUTTER, AND IN PARTS FLYING OFF THE CUTTER RESULTING IN SEVERE PERSONAL INJURY OR DEATH TO THE OPERATOR OR BYSTANDERS.

- Lift tractor PTO guard.
- Pull U-joint guard back along driveshaft.
- Press driveshaft yoke plunger in and slip driveshaft U-joint yoke onto splined PTO shaft. Check that plunger returns to locked position.



Installing Driveshaft on Tractor Power Take-off

- Position U-joint guard over driveshaft U-joint.
- Lower tractor PTO guard.

ADJUSTMENT

Slip Clutch (Earlier Models)

Cutters are equipped with a slip clutch on the driveshaft to protect the tractor and cutter drivetrain parts from sudden overloads. When properly adjusted, the clutch will slip to relieve excess loads and automatically reset itself without interrupting the cutting operation.

To compensate for clutch plate face wear and to maintain capacity during continuous use, the slip clutch must be adjusted periodically. Adjust the slip clutch at the beginning of each use, and when the cutter has been idle for extended periods.



DANGER



NEVER ATTEMPT ANY REPAIRS OR ADJUSTMENTS WITH THE TRACTOR ENGINE RUNNING OR THE POWER TAKE-OFF ENGAGED. ADJUSTMENT OF ROTATING PARTS WHILE TRACTOR ENGINE IS RUNNING CAN RESULT IN SERIOUS PERSONAL INJURY OR DEATH IF THE PTO ACCIDENTALLY ENGAGES.

- Remove slip clutch safety shield by removing retaining clip and sliding shield back along driveshaft.



Removing Slip Clutch Safety Shield

- Loosen slip clutch adjusting nuts.
- Check clutch plate assembly. Free plates by lightly tapping on flat edges of drive plates if required.

NOTE: Slip clutches have a tendency to seize if left idle for extended periods.

- Replace slip clutch safety shield.

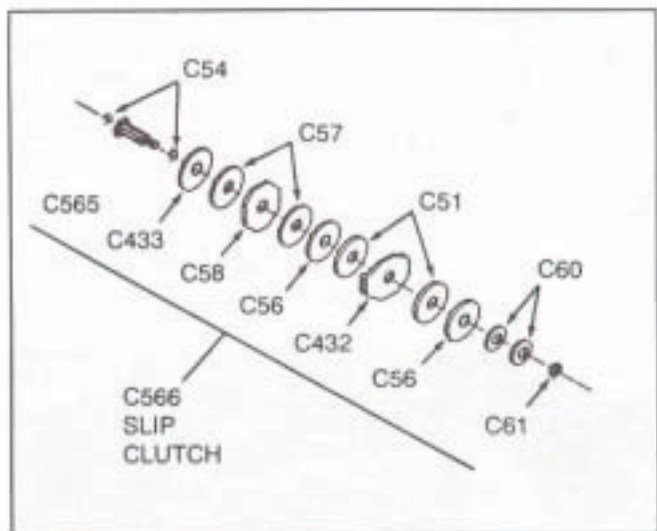


WARNING



ENSURE THAT ALL BYSTANDERS ARE CLEAR OF THE CUTTER BEFORE THE TRACTOR ENGINE IS STARTED. OBJECTS THROWN BY THE CUTTER CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

- Start tractor engine and engage power take-off at low rpm for one or two seconds to remove any rust or other foreign material between the slip clutch plates.
- Disengage PTO and turn off tractor engine. Ensure that all rotary motion has stopped, set brake and remove key before dismounting tractor.
- Remove clutch safety shield.
- Tighten clutch adjusting nut (C61) 1/2 turn at a time.



Adjusting Slip Clutch

- Scribe a chalk line across clutch drive plate and driven plate to mark their position relative to one another.

NOTE: The drive plate is on the U-joint side of the slip clutch. The driven plate is on the gearbox side.

- Replace clutch safety shield.
- Operate rotary cutter for three or four minutes under normal load.
- Disengage PTO, turn off tractor engine, set brake and remove key. Ensure that all rotary motion has stopped before dismounting tractor.
- Remove clutch safety shield.
- Observe chalk lines on clutch plates. If clutch is not slipping under normal load, chalk marks will still be aligned. Clutch is correctly adjusted. If clutch is slipping, chalk lines will be misaligned.

NOTE: If chalk is not available, the following method may be used to check for clutch slippage.

- Carefully check if clutch is overheating by holding hand near clutch. If slipping has occurred, allow clutch to cool before adjusting.



CAUTION



DONOT TOUCH THE SLIP CLUTCH WITH BARE HANDS IMMEDIATELY AFTER OPERATION. SEVERE SKIN BURNS AND COMPONENT DAMAGE MAY RESULT IF THE CLUTCH IS ADJUSTED WHILE HOT.

- Tighten slip clutch adjusting nuts 1/6 to 1/3 turn and repeat above procedure until heating and slippage are eliminated.
- Replace clutch safety shield.

2200 Series Clutch

The following procedures should be performed at the beginning of each use and when the cutter has been idle for an extended period of time. The clutch should be **INSPECTED** and field adjusted. To do so, temporarily remove safety shield from clutch.



Removing Slip Clutch Safety Shield



WARNING



MAKE SURE NO ONE IS NEAR CUTTER WHEN IN OPERATION.

Engage Power Take-off (PTO) quickly at a low RPM to allow clutch to operate briefly (1 - 2 seconds) to remove buildup material from plates.



DANGER



DISENGAGE PTO, TURN OFF TRACTOR, SET EMERGENCY BRAKE, REMOVE KEY AND MAKE SURE ALL MOTION HAS STOPPED.