

POWERTRAIN GENERAL INFORMATION

GENERAL INFORMATION

FIG. 1: The tractor PTO drives the baler. Use tractors with a 1000 rpm ISO (ASABE) Type 2 or Type 3 PTO. The machine uses a Category 6 or 7 Intermediate Driveline (IDL) from the PTO to the Intermediate Shaft.

The main drive shaft (1) connects to the rear universal joint (2) with a splined slip joint (3). The rear universal joint is a part of the overrunning clutch (4) in the main drive clutch. The main drive clutch is an overrunning clutch and a slip clutch (5).

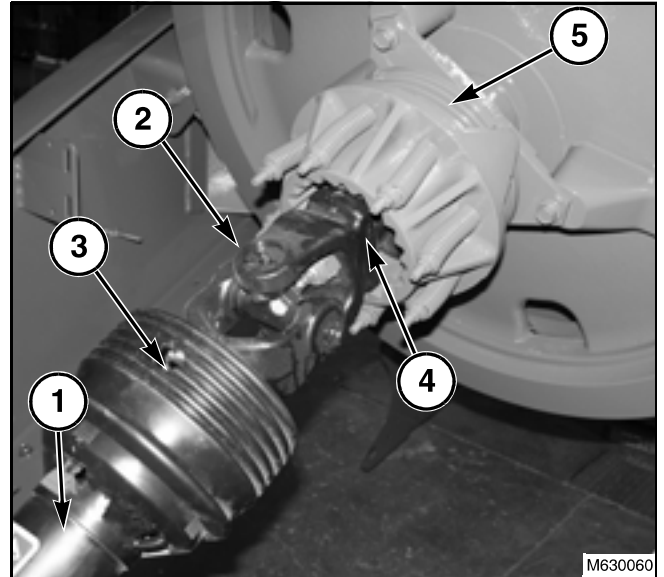


FIG. 1

FIG. 2: The main drive clutch is connected to the flywheel (1). The flywheel is connected to the pinion shaft of the gearbox by a special shearbolt (2). The gearbox is a double reduction gearbox (3) which directly drives the plunger (4) through the plunger crank arms (5) and the connecting rods.

The crank arm on the left side of the gearbox also drives the needle protection arm. A shearbolt connects the needle protection arm to the stuffer/knotter drive sprocket. The stuffer/knotter drive sprocket drives the stuffer/knotter drive chain (6). The stuffer/knotter drive chain drives the stuffer, the knotters, and the needles. The stuffer/knotter drive chain also keeps the operation of the stuffer, the knotters, and the needles synchronized with the operation of the plunger.

An auxiliary drive shaft (7) is connected to the right side of the gearbox. The auxiliary drive shaft drives the packer/pickup clutch (8). Through a series of drive chains the packer/pickup clutch drives the packer, both augers, and the reel.

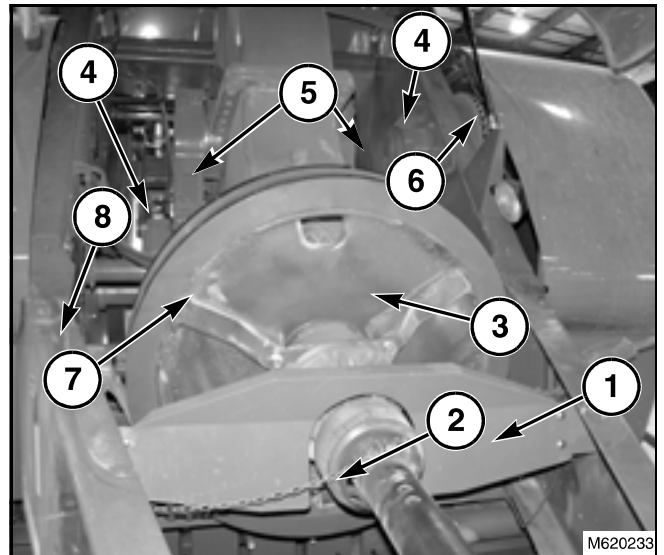


FIG. 2

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Safety Warnings



WARNING: Before doing any maintenance or service work on the baler, you must:

- Park machine on a solid level surface.
- Disengage the PTO
- Put the tractor transmission in PARK or apply the tractor parking brake.
- Turn off the baler control console.
- Stop the tractor engine and take the key with you.
- Apply the flywheel brake.
- Look and Listen! Make sure all moving parts have stopped.



WARNING: After lubrication, servicing, or adjusting the machine, make sure all tools and equipment have been removed.



WARNING: All shields and guards must be in position before operating the machine.