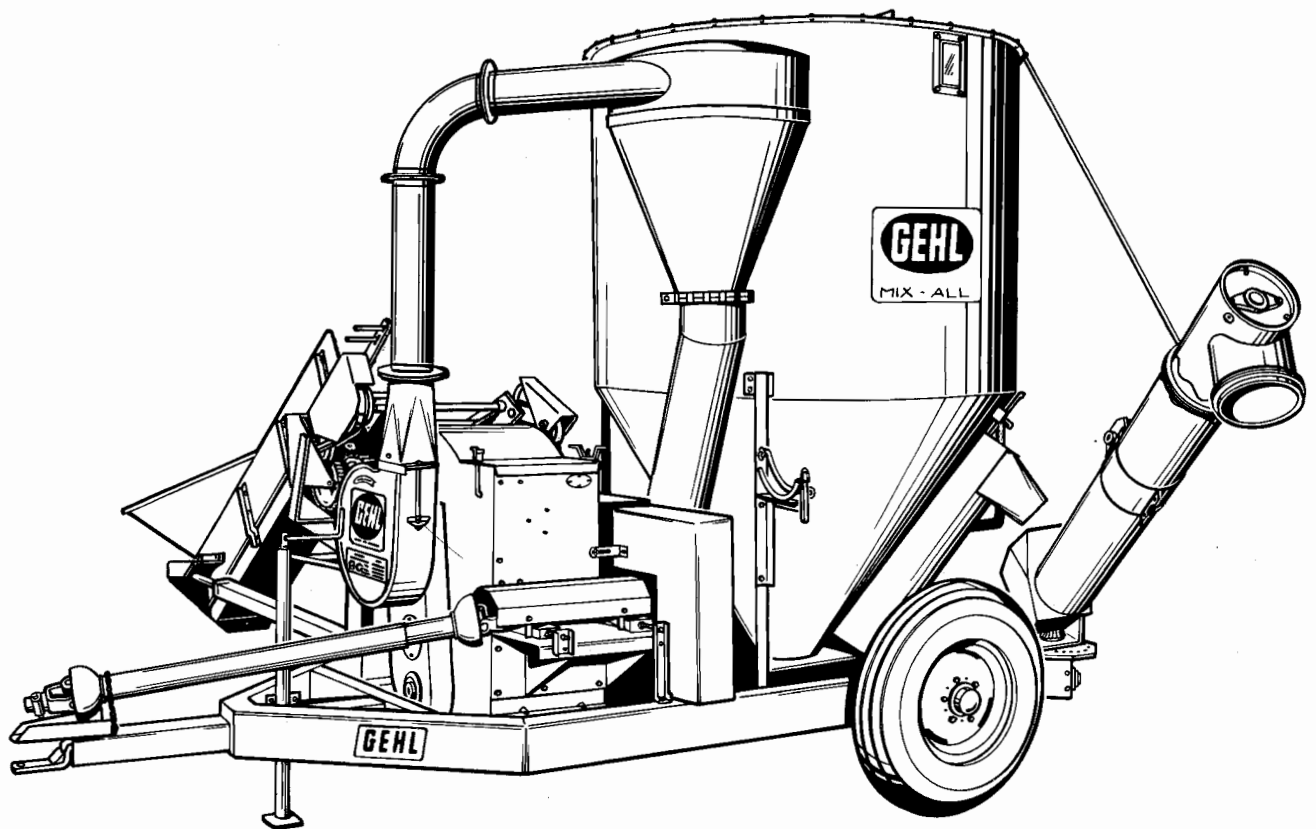




50 MX

SERVICE AND PARTS MANUAL

Mix-All Feedmaker With Attachments



FORM 1843K

GEHL BROS. MANUFACTURING CO.

WEST BEND, WISCONSIN, U.S.A.

AMERICA'S LEADING LINE OF FORAGE HARVESTING, HANDLING,
AND FEED MAKING EQUIPMENT

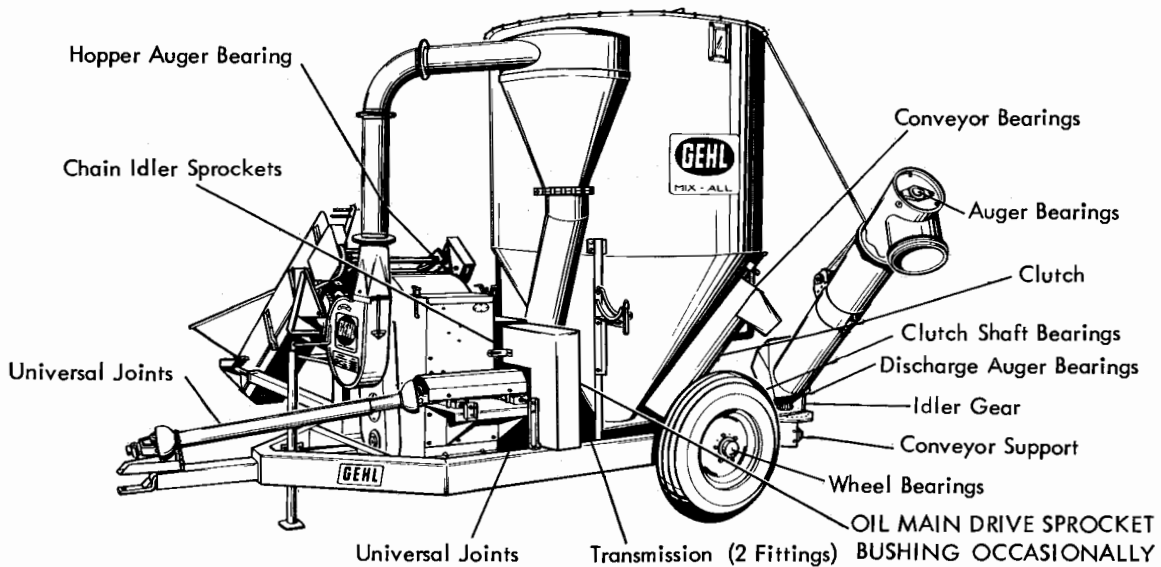
Before starting, see that the entire unit is properly lubricated. It is well to remember that too much oil and grease will do no harm but not enough might ruin it. All fittings are of standard style commonly found on farm implements and automotive equipment. Check below for their locations. We recommend frequent lubrication if unit is operated continuously for a long period of time.

Grease all points at two hour intervals the first two days of operation and twice each day thereafter. Use a good grade of #1-1/2 pressure gun grease.

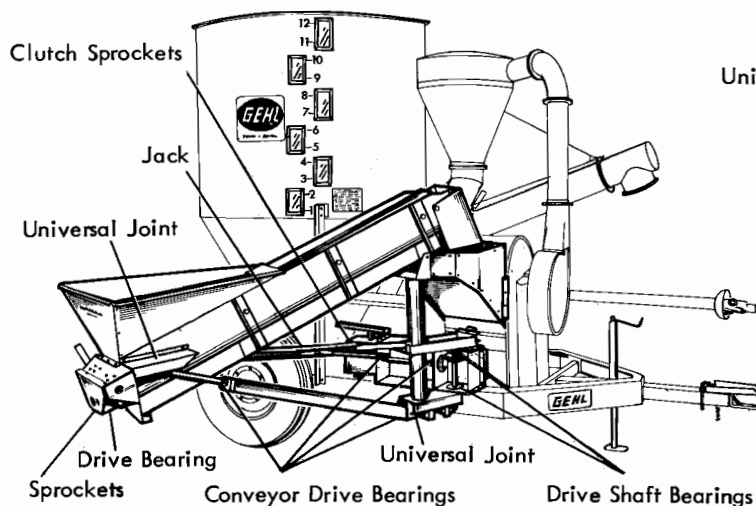
The Mixer Transmission has a 3 lb. capacity of #1-1/2 lb. pressure gun grease. DO NOT exceed these requirements.

NOTE: See the Service Manuals of the Feeder Attachment and the Hammer Mill for their respective lubrication instructions.

MIXER

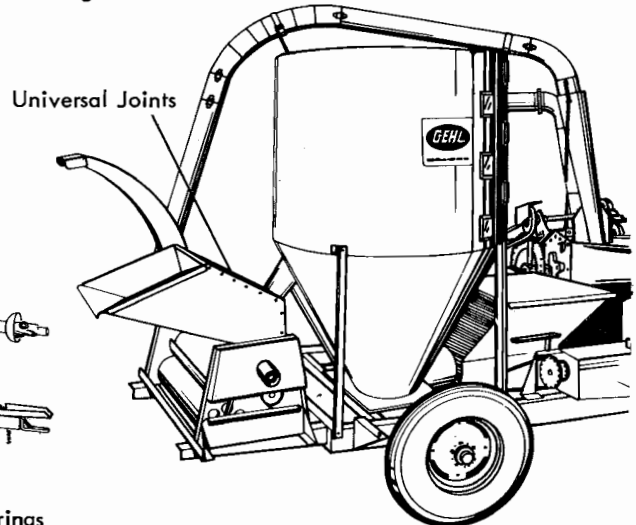


SWINGING AUGER FEEDER



HUSKER-SHELLER

IMPORTANT: Transmission requires one quart of SAE 140 black gear lube. Check level often.



IMPORTANT Do Not Over Grease Clutch Sprockets.

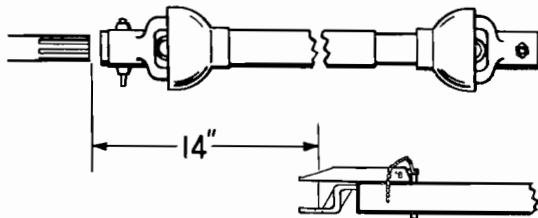
SERVICING THE NO. 50 MX MIXER

GENERAL OPERATION

1. Maintain machine in level position if at all possible.
2. Keep all guards and covers in place during operation.
3. Keep the entire unit properly lubricated.
4. The unloading conveyor should be kept in the best position for transportation.
5. Maintain a proper tire pressure of 48 lbs.

TRACTOR DRIVE

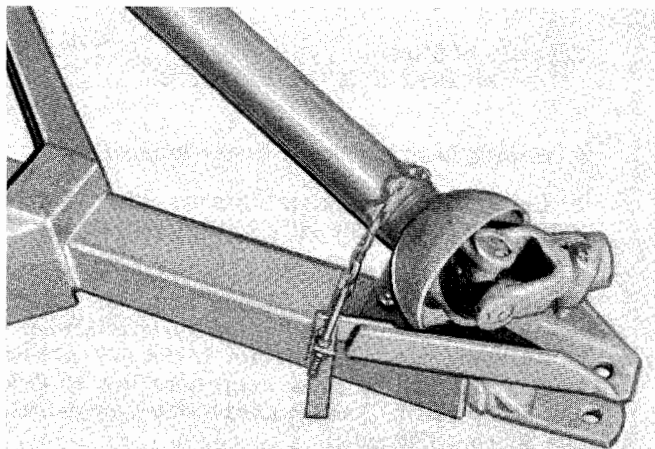
1. Maintain a standard ASAE tractor hook-up. It is very important to check the PTO shaft to hitch point dimensions. This should be 14" in horizontal direction. Correct tractor drawbar if necessary.



2. Under load maintain the P. T. O. speed at 540 RPM, especially when grinding heavy materials or through a small screen. The tractor speed can be reduced to suit the operator if only the Mixer and unloading conveyor are operated.

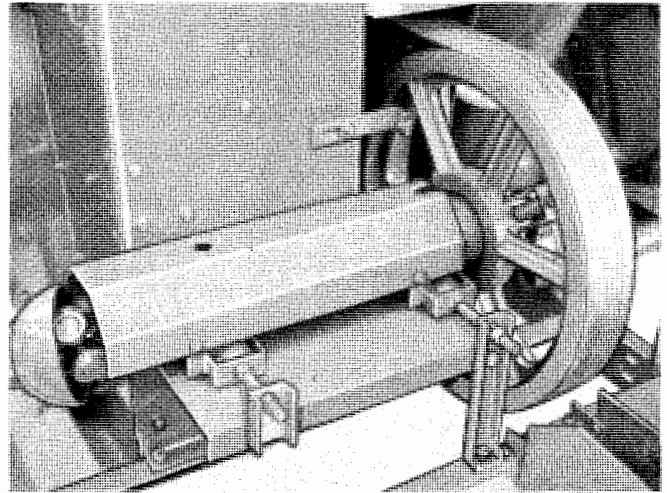
3. Keep the tractor lined up with the Mixer. Do not operate at severe angles as this will increase the possibilities of damage to universal drive.

4. The Universal Drive should be disconnected from the Tractor P. T. O. Shaft when Mixer is in transport. Place Universal Drive Joint in Upper Drawbar Hitch and fasten with the Hold-down Chain.



MILL DRIVE

1. The V-belt drive must be kept in proper tension and alignment at all times. Belts at correct tension can be deflected only slightly. Set screws on the bearing mounting bracket provide the belt adjustment.



CAUTION

Loosen Mixer Drive Chain before adjusting Drive Belts. Be sure to tighten chain after adjusting Drive Belts. See item #6 on page 4.

Here are important pointers to keep in mind when installing or replacing the drive:

1. Always use a matched set of belts.
2. Sheave grooves must be free of grease, oil, rust and burrs.
3. Slack the take-up mechanism so belts can be put on without forcing.
4. It is very important that the sheaves are correctly aligned. The two shafts must be parallel.
5. Place the belts on the sheaves. Take up the belts until tight. Any slippage will indicate belts are not tight enough. Be sure to again check sheave alignments.
6. The belts will be seated in the groove after a short break-in period, then take up the belts again. Check belt tension regularly.

Slipping or twisting of the belts means either incorrect installation, lack of correct tension, or misalignment of the drive.

2. A clutch incorporated in the drive sheave allows the milldrive to be disconnected when only the Mixer is to be operated. Lift pin up to disengage. Do not attempt to engage the clutch while the Mixer is being operated.

3. Keep all drive guards in place.

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