125 Gehl Mix-all[®] Grinder Mixer



OPERATOR'S MANUAL

Form No. 907585 Replaces

903820



GEHL

NEW AGRICULTURAL EQUIPMENT

GEHL MIX-ALL®

GRINDER MIXER

WARRANTY

GEHL AGRICULTURE DIVISION of the **GEHL COMPANY**, hereinafter referred to as Gehl, warrants new Gehl Mix–all Grinder Mixers and attachments to the Original Retail Purchaser to be free from defects in material and workmanship for a period of twelve (12) months {ninety (90) days for commercial/custom use} from the Warranty Start Date.

GEHL AGRICULTURE WARRANTY INCLUDES:

Genuine Gehl parts and labor costs required to repair or replace equipment at the selling dealer's business location.

GEHL MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE), EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY STATEMENT.

GEHL WARRANTY DOES NOT INCLUDE:

- 1. Transportation to selling dealer's business location or, at the option of the Original Retail Purchaser, the cost of a service call.
- 2. Used equipment.
- 3. Components covered by their own non-Gehl warranties, such as tires, trade accessories and engines.
- 4. Normal maintenance service and expendable, high wear items.
- 5. Repairs or adjustments caused by: improper use; non-intended use; failure to follow recommended maintenance procedures; use of unauthorized attachments; accident or other casualty.
- 6. Liability for incidental or consequential damages of any type, including, but not limited to lost profits or expenses of acquiring replacement equipment.

No agent, employee or representative of Gehl has any authority to bind Gehl to any warranty except as specifically set forth herein. Any of these limitations excluded by local law shall be deemed deleted from this warranty; all other terms will continue to apply.



TABLE OF CONTENTS

	Warranty Inside Front Cover
Chapter 1	Introduction 2
Chapter 2	Specifications 3
Chapter 3	Checklists 5
Chapter 4	Safety
Chapter 5	Controls & Safety Equipment
Chapter 6	Operation
Chapter 7	Adjustments
Chapter 8	Lubrication
Chapter 9	Service
Chapter 10	Preparing For Field Operation
Chapter 11	Transporting
Chapter 12	Storage
Chapter 13	Troubleshooting
Chapter 14	Set-up & Assembly
Chapter 15	Optional Features & Accessories
Chapter 16	Decal Locations
Chapter 17	Maintenance Log
	Index
	Standard Hardware Torque Data Inside Back Cover

CHAPTER 1 INTRODUCTION

Your decision to purchase this piece of Gehl equipment was a good one. We are sure that your decision was strongly considered and that you are looking forward to many years of work from this machine.

We, as a Company, have invested a great deal of time and effort in developing our lines of equipment. The equipment you have purchased is built with pride and designed to give you long life, efficient operation, durability and dependability.

This manual was developed specifically for the machine you have purchased. The information within is for your assistance in preparing, adjusting, maintaining and servicing your machine. More importantly, this manual provides an operating plan for safe and proper use of your machine. Major points of safe operation are detailed in the **SAFETY** chapter of this manual. Refer to the Table of Contents for an outline (by chapters) of this manual. Use the Index, located at the back of this manual, for specific chapter and topic page number references.

A plastic pouch is provided on the unit for storing the Operator's Manual. After using the Manual, please return it to the pouch and keep it with the unit at all times! Furthermore, if this machine is resold, Gehl Company recommends that this Manual be given to the new owner.

Modern machinery has become more sophisticated and, with that in mind, Gehl Company asks that you read and understand the contents of this manual COMPLETELY and become familiar with your new machine BEFORE operating it.

Our wide dealership network stands by to provide you with any assistance you may require, including genuine Gehl service parts. All parts should be obtained from your Gehl Dealer. Give complete information about the part, and include the model and serial numbers of your machine. Record the serial number in the space provided on the pictorial as a handy record for quick reference.

The Grinder Mixer model and serial numbers are on a decal located on the Frame member in the rear at the base of the Tank. The Swinging Auger Feeder (as applicable) model and serial numbers are on a plate attached to the SAF unit. "Right" and "Left" are determined from a position standing behind the Grinder Mixer. From this position the Feeder Attachment is on the "right".

Gehl Company reserves the right to make changes or improvements in the design or construction of any part without incurring the obligation to install such changes on any unit previously delivered.





Typical SAF Model & Serial Number Plate

Throughout this manual, information is provided which is set in *italic* type and introduced by the word **NOTE** or **IMPORTANT**. BE SURE to read carefully and comply with the message or directive given. Following this information will improve your operating or maintenance efficiency, help you avoid costly breakdowns or unnecessary damage and extend your machine's life.

The Gehl Company, in cooperation with the American Society of Agricultural Engineers and the Society of Automotive Engineers, has adopted this SAFETY ALERT SYMBOL



to pinpoint characteristics which, if NOT properly followed, can create a safety hazard. When you see this symbol in this manual or on the machine itself, you are reminded to BE ALERT! Your personal safety is involved!

CHAPTER 2 SPECIFICATIONS

All Dimensions are in Inches (Millimeters) Unless Otherwise Noted

Weights (Approximate):

Mixer with Swinging Auger Feeder Attachment
Mixer with Feed Roll Attachment
Mixer with Swinging Auger/
Feed Roll Attachment 3160 lb (1435 kg)
For 11L x 15 Tires Add 25 lb (11 kg)
For Electronic Scale & Weighbars
Add 40 lb (18 kg)
Mill to Tank Transfer Auger Diameter 7 (180)
Available Tire Size 11L x 15
Recommended Tractor Power Up to 115 hp for
540 RPM or Up to 145 hp for 1000 RPM

Mill/Blower

Cylinder and Blower Speed	2700 RPM
Hammers 66; 4-way	Reversible
Inlet Opening	. 21 (535)
Cylinder Diameter	. 20 (510)
Drive 8 "A" Section Banded	Drive Belt
Hopper Furnished with Metal Extracti	ng Magnet

Discharge & Unloading Conveyor

Conveyor Diameters	8	8 (205)
Unloading Conveyor		
Length	144	(3660)
Height Adjustable up to	156	(3960)

Unloading Rate (Max) 28 Bushels/Min (1.0 m ³ /min)
Drives Independent Hydraulic Motors
Concentrate Hopper 23 (585) W x 18 (455) L
x 35 (890) Above the Ground
Swinging Auger Feeder ("SAF")
Conveyor Length
Auger Diameter 12 (305)
Infeed Hopper
Width 42 (1065); with Fold-in Flare
Height Adjustable as low as 20 (510)
Drive - Direct Independent Hydraulic Motor
Feed Roll Feeder ("FR")
Drive - Direct Independent Hydraulic Motor
Swinging Auger/Feed Roll Feeder ("SAFR")
Conveyor Length 84 (2135)
Auger Diameter 12 (305)
Infeed Hopper
Width
Height Adjustable as low as 20 (510)
Drive 2 Hydraulic Motor Drives -
has Shut-off for Swinging Auger Feeder
to use Feed Roll Feeder Separately
Selectable Features - Factory Installed
Feeder Attachments:
Swinging Auger Feeder ("SAF")
Feed Roll Feeder ("FR")
Swinging Auger/Feed Roll Feeder ("SAFR")
Gravity Feeder ("GF")
Electronic Weighing Scales
(Model 1500/2100 or 3200 Scale Indicator)
Axle Sets - Standard or Electronic Scale (Adaptable)
PTO Drives - 540 or 1000 RPM

Chapter 2 – Specifications

ACCESSORIES for Field Installation

Electric Remote Controls for Unloading Conveyor

Screens with Hole Sizes of 3/32", 1/8" 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2" and 2"

1-ft Stationary Unloading Conveyor Extension*

3-ft Stationary Unloading Conveyor Extension

4-ft Folding Unloading Conveyor Extension

7-1/2-foot Folding Unloading Conveyor Extension

Double Bagger Attachment

Fender Set

FR Attachment for unit with factory-installed SAF Attachment

FR Attachment for unit with factory–installed GF Attachment and Self-contained Hydraulics System

SAF Attachment for unit with factory–installed GF Attachment and Self-contained Hydraulics System
SAF Attachment for unit with factory–installed FR Attachment
Electronic Scale Axle Set for unit with factory– installed standard Axle Set
Audible Alarm Kit

Visual Alarm Kit

Scale Battery Mounting Kit

Molasses Attachment

Pivot Brake Kit for Unloading Conveyor Extensions

Safety Towing Chain

*Used only with 7-1/2-ft Folding Unloading Conveyor Extension equipped with Electric Remote Controls

PRE-DELIVERY

After the Mixer has been completely set-up, the following inspections MUST be made before delivering it to the Customer. Check off each item after prescribed action is taken.

Check that:

- Mixer is NOT damaged in shipment. Check for such things as dents and loose or missing parts; correct or replace components as required.
- Mixer has been correctly assembled according to instructions in this manual. Check that Wheel Lugs and all other fasteners are tightly secured.
- All grease fittings on the Main Unit and specific Feeder Attachment have been lubricated and that the Transmission and Hydraulic Reservoir are filled to proper levels. See Lubrication chapter of this manual.
- Hydraulic Pump, Motors, Hoses and Fittings are securely attached.
- All Guards, Shields and Decals are in place and properly secured.
 - Tension on Unloading Conveyor Brake Bars is correctly adjusted to hold Conveyor at any position of travel.
 - Unloading Conveyor Safety Winch cranks "up" smoothly and that, when cranked "down" it stops and holds its position.
- Unloading Conveyor Pulleys turn freely while Winch is being cranked. Also check that Upper Pulleys and Swivel are tightly secured yet turn and pivot properly while Winch is being cranked.
- Screens fit properly into the Mill and that Mill Screen Cover closes and latches tightly.
- Wheels are properly mounted and Tires are inflated to 36 PSIG (252 kPa).
- Rear Drive Chain tension is properly adjusted. See Adjustment chapter of this manual.
- Discharge Conveyor Sliding Plate operates smoothly and holds its position; readjust tension as required.
- Serial Numbers for the Mixer and the Swinging Auger Feeder Attachment (if applicable) are recorded in the spaces provided on pages 2, 6 and 8.

Hook the Mixer onto a proper horsepower 540 RPM tractor and connect the Telescoping Drive. Make appropriate Wiring connections to the tractor. Test-run the Mixer while checking for proper operation of all components.

Check that:

Rotating PTO Guard turns freely. Entire Hydraulic System does NOT leak under pressure; correct problems as necessary. Electronic Scale (if provided) operates properly. Refer to separate Operator's Manual provided. Mill, Intake Auger, Mixing Auger, Discharge Auger and Unloading Auger are all functioning properly and smoothly. (If Mixer has) FEED ROLL FEEDER ATTACHMENT Check that: All Guards and Shields, Decals and attaching hardware are in place and properly secured. Mill Hopper raises and lowers smoothly and that Latching Mechanism engages properly. Feed Roll slides up and down without binding. Test-run the Attachment and check that Hydraulic Motor and Speed Control Push-to-Stop Bar operates properly.

(If Mixer has) SWINGING AUGER FEEDER ATTACHMENT

Check that:

- All Guards and Shields, Decals and attaching hardware are in place and properly secured.
- Lifting, locking and supporting mechanisms are functioning properly. Also check that Counter-balance Spring and Brake are correctly adjusted. See Adjustments chapter of this manual.
- Transport Lock mechanism engages and disengages correctly. Also, check that the Safety Locking Clip is chained to the Transport Bracket.
- Test-run the Attachment and check that Hydraulic Motors and Speed Control Levers operate properly.

(If Mixer has) SWINGING AUGER/FEED ROLL FEEDER ATTACHMENT

Check that:

NOTE: Follow the appropriate check points for individual Attachments listed above and the following check point for the combined unit.

Test run Attachments and check that Auger Feeder Motor Shut-off Valve operates properly.

(Page 1 of Dealer's File Copy)

(If Mixer has) GRAVITY FEEDER ATTACHMENT

DELIVERY

GR/ Che	 All Guards and Shields, Decals and attaching hardware are in place and properly secured. 		The following Checklist is an important reminder of valuab information that MUST be passed on to the Customer at the tim the unit is delivered. Check off each item as you explain it to the Customer.			
	Shutter Plate moves freely and that Rub is in position and swings freely.	ber Splash Plate	_	in a Pouch attached to the inside of the Large Front Shield. Instruct him to be sure to read and completely understand its contents BEFORE operating the unit.		
				Explain how to use the Index of this manual as a quick page number locating guide.		
				Explain and review with him the SAFETY chapter of this manual.		
	Dealership Name			Explain and review with him the Controls & Safety Equipment chapter of this manual.		
	Dealer Representative's Name			Explain that regular lubrication is required for continued proper operation and long life. Review with him the Lubrication chapter of this manual.		
	Date Checklist Filled out			Explain and review the Service chapter of this manual.		
	Mixer Serial No. SAF 3 (As A	Serial No. pplicable)		Completely fill out Owner's Registration, including Customer's signature, and return it to the GEHL Company.		

Customer's Signature

Date Delivered

(Page 2 of Dealer's File Copy)

PRE-DELIVERY

After the Mixer has been completely set-up, the following inspections MUST be made before delivering it to the Customer. Check off each item after prescribed action is taken.

Check that:

- Mixer is NOT damaged in shipment. Check for such things as dents and loose or missing parts; correct or replace components as required. Mixer has been correctly assembled according to . instructions in this manual. Check that Wheel Lugs and all other fasteners are tightly secured. All grease fittings on the Main Unit and specific Feeder Attachment have been lubricated and that the Transmission and Hydraulic Reservoir are filled to proper levels. See Lubrication chapter of this manual. Hydraulic Pump, Motors, Hoses and Fittings are securely attached. All Guards, Shields and Decals are in place and properly secured. Tension on Unloading Conveyor Brake Bars is correctly adjusted to hold Conveyor at any position of travel. Unloading Conveyor Safety Winch cranks "up" smoothly and that, when cranked "down" it stops and holds its position. Unloading Conveyor Pulleys turn freely while Winch is being cranked. Also check that Upper Pulleys and Swivel are tightly secured yet turn and pivot properly while Winch is being cranked. Screens fit properly into the Mill and that Mill Screen Cover closes and latches tightly. Wheels are properly mounted and Tires are inflated to 36 PSIG (252 kPa). Rear Drive Chain tension is properly adjusted. See Adjustment chapter of this manual.
- Discharge Conveyor Sliding Plate operates smoothly and holds its position; readjust tension as required.
- Serial Numbers for the Mixer and the Swinging Auger Feeder Attachment (if applicable) are recorded in the spaces provided on pages 2, 6 and 8.

Hook the Mixer onto a proper horsepower 540 RPM tractor and connect the Telescoping Drive. Make appropriate Wiring connections to the tractor. Test-run the Mixer while checking for proper operationof all components.

Check that:

- Rotating PTO Guard turns freely.
 - Entire Hydraulic System does NOT leak under pressure; correct problems as necessary.
- Electronic Scale (if provided) operates properly. Refer to separate Operator's Manual provided.
- Mill, Intake Auger, Mixing Auger, Discharge Auger and Unloading Auger are all functioning properly and smoothly.

(If Mixer has) FEED ROLL FEEDER ATTACHMENT Check that:

- All Guards and Shields, Decals and attaching hardware are in place and properly secured.
- Mill Hopper raises and lowers smoothly and that Latching Mechanism engages properly.
 - Feed Roll slides up and down without binding.
 - Test-run the Attachment and check that Hydraulic Motor and Speed Control Push-to-Stop Bar operates properly.

(If Mixer has) SWINGING AUGER FEEDER ATTACHMENT Check that:

- All Guards and Shields, Decals and attaching hardware are in place and properly secured.
- Lifting, locking and supporting mechanisms are functioning properly. Also check that Counter-balance Spring and Brake are correctly adjusted. See Adjustments chapter of this manual.
- Transport Lock mechanism engages and disengages correctly. Also, check that the Safety Locking Clip is chained to the Transport Bracket.
- Test-run the Attachment and check that Hydraulic Motors and Speed Control Levers operate properly.

(If Mixer has) SWINGING AUGER/FEED ROLL FEEDER ATTACHMENT

Check that:

NOTE: Follow the appropriate check points for individual Attachments listed above and the following check point for the combined unit.

Test run Attachments and check that Auger Feeder Motor Shut-off Valve operates properly.

(Pages 5 & 6 Have Been Removed at Perforation)

(If Mixer has) GRAVITY FEEDER ATTACHMENT

Check that:

DELIVERY

The following Checklist is an important reminder of valuable information that MUST be passed on to the Customer at the time the unit is delivered. Check off each item as you explain it to the Customer.

All Guards and Shields, I	Decals and attaching hardware	Custo	omer.
are in place and properly secured.Shutter Plate moves freely and that Rubber Splash Plate is in position and swings freely.			Give the Customer the Operator's Manual, which is stored in a Pouch attached to the inside of the Large Front Shield. Instruct him to be sure to read and completely understand its contents BEFORE operating the unit.
			Explain how to use the Index of this manual as a quick page number locating guide.
			Explain and review the SAFETY chapter of this manual.
 Dealership	Name		Explain and review with him the Controls & Safety Equipment chapter of this manual.
 Dealer Represent	tative's Name		Explain that regular lubrication is required for continued proper operation and long life. Review with him the Lubrication chapter of this manual.
 Date Checklis	t Filled out		Explain and review with him the Service chapter of this manual.
 			Completely fill out Owner's Registration, including
Mixer Serial No.	SAF Serial No. (As Applicable)		Customer ssignature, and return it to the OETE Company.

Customer's Signature

Date Delivered

(Pages 5 & 6 Have Been Removed at Perforation)

INTENTIONALLY BLANK



The above Safety Alert Symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** It stresses an attitude of "Heads Up for Safety" and can be found throughout this Operator's Manual and on the machine itself.

BEFORE YOU ATTEMPT TO OPERATE THIS EQUIPMENT, READ AND STUDY THE FOL-LOWING SAFETY INFORMATION. IN ADDI-TION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

Our Company ALWAYS takes the operator and his/her safety into consideration when designing its machinery and guards exposed moving parts for his/her protection. However, some areas can not be guarded or shielded in order to assure proper operation. Furthermore, this Operator's Manual and decals on the machine warn of additional hazards and should be read and observed closely.



"DANGER" indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



"WARNING" indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



"CAUTION" indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. May also alert against unsafe practices.

MANDATORY SAFETY SHUTDOWN PROCEDURE

BEFORE unclogging, cleaning, adjusting, lubricating or servicing the unit:

- 1. Disengage the tractor PTO.
- 2. Place the tractor transmission in park and/or lock brake pedals to prevent tractor movement, then shut off the tractor engine.
- 3. Remove the starter switch key and take it with you.
- 4. Wait for all movement to stop.
- **5.** Remove the telescoping PTO drive and ALL power connections from the tractor.

ONLY when you have taken these precautions can you be sure it is safe to proceed. Failure to follow the above procedure could lead to death or serious bodily injury.

ADDITIONAL SAFETY REMINDERS

Some photographs used in this manual may show doors, guards and shields open or removed for illustration purposes ONLY. BE SURE that all doors, guards and shields are in their proper operating positions BEFORE starting the tractor engine to operate the unit.

Normal Mixer operation does NOT require access to the top of the Mixer tank. However, if special feeds (liquid protein, molasses, etc.) are being added through the tank lid, or if the lid pops open to relieve excess pressure, a ladder (not supplied) must be used to safely reach the top of the tank.

ALWAYS follow state and local regulations regarding use of a safety chain and auxiliary lighting when towing farm equipment on public highways. Restrict highway towing speeds to 20 mph (32 km/h). BE SURE to check with local law enforcement agencies for your own particular regulations.

ALWAYS wear safety glasses with side shields when striking metal against metal. It is further recommended that a softer (non-chipable) material be used to cushion the blow. Failure to heed could lead to serious injury to the eye(s) or other parts of the body.







Only a safety chain (NOT an elastic or nylon/plastic tow strap) should be used to retain the connection between the towing and towed machine, in the event of separation of the primary attaching system.

BE SURE the hitchjack locking pin is completely engaged and that the machine is properly blocked and prevented from rolling BEFORE disconnecting the unit from the tractor.

Good safety practice dictates that you NEVER tow an implement (without brakes), unless towing vehicle weighs at least one-and-one half (1-1/2) times the weight of the towed implement and its load. For any public highway travel and to be in compliance with this rule, BE SURE that your tractor is heavy enough to counterbalance the weight of the loaded Mixer.

NEVER use your hands to search for hydraulic fluid leaks; use a piece of cardboard. Escaping fluid under pressure can be invisible and penetrate the skin causing serious injury! If any fluid is injected into your skin, see a doctor at once! Injected fluid MUST BE surgically removed by a doctor familiar with this type of injury or gangrene may result.



Know how to stop Mixer operation BEFORE starting it.

DO NOT open tank lid or clean-out cover when Mixer is in operation.

DO NOT reach under the Mixer while in operation.

DO NOT stand under any part of the Unloading Conveyor while it is operating.

DO NOT allow anyone to ride on the Mixer.

To ensure continued safe operation, replace damaged or worn-out parts with genuine Gehl service parts, BEFORE operating this equipment.

REMEMBER, it is the owner's responsibility to communicate information on the safe use and proper maintenance of this machine to users.





SAF or SAFR Attachment Infeed Hopper









MAINTAIN SAFE CLEARANCE FROM ELECTRIC POWER LINES AND AVOID CONTACT WITH ANY ELECTRICALLY CHARGED CONDUCTOR.

CONTACT WITH ELECTRICAL POWER SOURCE CAN RESULT IN ELECTRICAL SHOCK OR ELECTROCUTION.

FAILURE TO HEED WILL RESULT IN DEATH OR SERIOUS INJURY.























WARNING

THIS IMPLEMENT IS EQUIPPED TO OPERATE WITH 540 RPM TRACTOR MEETING ASAE STANDARD S203. NEVER ATTEMPT TO CONNECT OR OPERATE WITH 1000 RPM PTO TRACTOR.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

AWARNING



WINCH IS EQUIPPED WITH BRAKE TO HOLD LOAD WHEN HANDLE IS RELEASED. TO ASSURE BRAKE LOCKING. ROTATE HANDLE CLOCKWISE FAR ENOUGH TO HEAR TWO CLICKS.

FAILURE TO HEED COULD RESULT IN DEATH OR INJURY. 093491

- BEFORE UNCLOGGING, CLEANING, ADJUSTING, LUBRICATING OR SERVICING THE UNIT ALWAYS FOLLOW THE <u>MANDATORY SAFETY SHUT DOWN</u> AS SPECIFIED BY THE OPERATOR'S MANUAL.
- KEEP ALL GUARDS AND SHIELDS IN PLACE.
- BE SURE MACHINE IS CLEAR OF PEOPLE, TOOLS, AND OTHER OBJECTS BEFORE STARTING.
- DO NOT WEAR LOOSE OR BAGGY CLOTHING AROUND THIS MACHINE AND KEEP HANDS, FEET AND CLOTHING AWAY FROM MOVING AND POWER DRIVEN PARTS.
- KEEP CHILDREN AND SPECTATORS OFF AND AWAY FROM MACHINE WHILE IT IS OPERATING.
- KEEP OFF UNIT UNLESS A SPECIFIED OPERATOR'S STATION IS PROVIDED.
- FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY. 093373





WHEN TRANSPORTING MACHINE BE SURE CONVEYOR AND SWINGING AUGER FEEDER ARE PROPERLY LOCKED WITH KLIK PINS IN TRANSPORT POSITION.

FAILURE TO HEED COULD RESULT IN DEATH OR INJURY.

093494







U-JOINT MAY BECOME SEPARATED IF IMPLEMENT HITCH IS NOT CONNECTED TO TRACTOR DRAWBAR.

NEVER OPERATE THIS IMPLEMENT WHILE STATIONARY UNLESS IMPLEMENT HITCH IS CONNECTED TO TRACTOR DRAWBAR WITH LOCKING HITCH PIN.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY. 093436



AWARNING

EXCESSIVE STOPPING DISTANCE AND/OR LOSS OF CONTROL OF IMPLEMENT COULD OCCUR ON IMPLEMENTS WITHOUT BRAKES.

SAFETY CODES RECOMMEND THAT IMPLEMENTS WITHOUT BRAKES NOT BE TOWED BY A VEHICLE WHOSE WEIGHT IS LESS THAN THE WEIGHT OF ALL TOWED IMPLEMENTS AND THEIR LOAD. SEE **OPERATOR'S MANUAL TO DETERMINE APPROPRIATE** IMPLEMENT WEIGHT. FAILURE TO HEED COULD RESULT IN DEATH **OR SERIOUS INJURY**

AWARNING

THIS IMPLEMENT CAN BE SET TO RUN AT 540 OR 1000 RPM PTO SPEED. SEE OPERATOR'S MANUAL FOR SET UP INSTRUCTIONS.

NEVER HOOK A 1000 RPM PTO TRACTOR TO AN IMPLEMENT SET TO RUN AT 540 RPM OPERATION. FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY. 093493



- PROPER DRIVE LINE GUARDS
- INPUT SHAFT GUARDS
- TRACTOR MASTER SHIELD
- U-JOINTS LOCKED TO TRACTOR AND IMPLEMENT SHAFTS

FOR YOUR PROTECTION, THIS DRIVE LINE HAS A GUARD THAT ALLOWS THE INTERNAL DRIVE SHAFT TO ROTATE WHILE THE GUARD IS NOT **ROTATING. DO NOT POUND BELL TO REMOVE** DRIVE TUBE.

U-JOINTS MUST BE PROPERLY ATTACHED AND MAINTAINED.

FAILURE TO HEED COULD RESULT IN DEATH **OR SERIOUS INJURY.**

093653

093374











Accessory 3-ft. Conveyor Extension





Accessory 4-ft. or 7-1/2 ft. Conveyor Extension

CHAPTER 5 CONTROLS & SAFETY EQUIPMENT

The Mixer is provided with several features for operator safety and convenience.



Become familiar with and know how to use ALL safety devices and controls on the Mixer BEFORE operating this equipment. Know how to stop Mixer operation BEFORE starting it. This Gehl Mixer is designed and intended to be used ONLY with a mounted Gehl Company Feeder Attachment. Gehl Company will NOT be responsible for operator safety if used without a completing Gehl Feeder Attachment.

CONCENTRATE HOPPER (Fig. 1)



- 2 Bag Guard
- 3 Bag Breaker

Fig. 1: Concentrate Hopper with Cover Open

The Concentrate Hopper is used to place dry additives into the Mixer. The Cover on the Concentrate Hopper is spring-loaded to hold it in either the open or closed position. A Bag Guard is provided and should NEVER be removed while operating the Mixer. A Paper Bag Breaker is also provided; BE SURE to flip the toothedside over, when the Bag Breaker is NOT being used.



DO NOT use the concentrate hopper unless the bag guard is in place. Keep hands out of the area of the concentrate hopper.

NOTE: With NO material in the Concentrate Hopper, Intake Auger rotation can be observed by looking into the base of the Concentrate Hopper.

DISCHARGE CONVEYOR (Fig. 2)



3 – Unloading Conveyor

Fig. 2: Discharge & Unloading Conveyors

The Discharge Conveyor is used to remove ground feed from the Mixing Tank. The Conveyor Auger is driven directly by a Hydraulic Motor which is connected in series with the Unloading Conveyor Motor. Motor operation is controlled by a single "on-off" Valve.

A Manual Crank-controlled Sliding Plate is used to regulate the amount of material feeding into the Discharge Conveyor through the Discharge Chute.

NOTE: BE SURE the Sliding Plate is completely closed over the Discharge Chute before starting to grind, mix or unload.

FEEDER ATTACHMENTS

Swinging Auger Feeder (Figs. 3 & 4)

The Swinging Auger Feeder (SAF) Attachment has a mechanically-linked "off-speed" control for the Hydraulic Motor-driven Loading Auger. Speed Control Handles are provided at three locations on the SAF Trough, above the Infeed Hopper. These Control Handles enable stopping, starting and regulating the speed of Conveyor Auger rotation and thus, the material feeding rate.

A Friction Brake mechanism is used to control and hold the horizontal position of the Swinging Auger Feeder. A Lift Handle and Rope mechanism are provided for adjusting and holding the vertical position of the Attachment. Spring Counter-balancing is also provided to facilitate lifting.



1 – Speed Control Handle 2 – Counter-balance Spring Fig. 3: Swinging Auger Feeder (SAF)

A Transport Lock mechanism is provided for holding the Swinging Auger Feeder in position against the Mixing Tank Support Brace during transport.



When transporting the Mixer, BE SURE the transport lock is properly engaged and the locking clip is installed.



1 – Transport Bracket & Locking Clip Fig. 4: Transport Lock Mechanism

Feed Roll Feeder (Fig. 5)

The Feed Roll (FR) Attachment has a Push-to-Stop Bar for starting, stopping and regulating the speed of the Hydraulic Motor-driven Feed Roll.



Keep hands out of the feed roll area while operating this attachment.



^{1 –} Push-to-stop Bar Fig. 5: Feed Roll (FR) Feeder Attachment

Swinging Auger/Feed Roll Feeder (Fig. 6)

The Swinging Auger/Feed Roll (SAFR) Attachment is a combination of the two preceding Attachments. Controls are similar to those on each individual Attachment, except both Hydraulic Motors are linked to the same Flow Control Valve. In addition, an ON-OFF Valve is provided to shut off the Swinging Auger Feeder unit and thus, enable running the Feed Roll unit separately. Since both Motors are controlled by the same Flow Valve, Motor speeds are synchronized when both units are operated together.



1 – SAF On-Off Control Fig. 6

Gravity Feeder (Fig. 7)

The Gravity Feeder (GF) Attachment is a stationary Hopper unit with NO moving or running parts. The material feed rate is manually controlled by an adjustable Shutter Plate. A Rubber Splashplate is also provided to prevent material kickback from the Mill Cylinder.



Keep hands out of the mill inlet area while the Mixer is operating.



1 – Adjustable Shutter 2 – Infeed Hopper Fig. 7: Gravity Feeder (GF)

ELECTRONIC WEIGH SCALES

The MX125 Grinder Mixer is available with a factory installed Electronic Weigh Scale system to facilitate accurate weight measurement for feed rationing. The Weigh Scale system can be obtained with any one of three different types of Scale Indicators using a 3-point Weighbar system. For additional details, see Optional Features & Accessories chapter and the manufacturer's information packaged with the Weigh Scale system.

GUARDS & SHIELDS

Whenever and wherever possible and without affecting machine operation, Guards and Shields have been used on this equipment to protect potentially hazardous areas. In many places, Decals are also provided to warn of potential dangers as well as to display special operating procedures.



Read and observe ALL Warnings on the unit BEFORE operating it. DO NOT operate this equipment unless ALL factory installed guards and shields are properly secured in place.

Implement Drive Line Guards

The Telescoping PTO Drive connection to the tractor is equipped with a rotating Shield.



BE SURE that the rotating shield on the telescoping PTO drive turns freely BEFORE starting the tractor engine.

Miscellaneous Guards

Various latched and hinged Guards and Covers are provided on the Mixer to enable access for service or adjustment.



BEFORE performing any work on the Mixer, and BEFORE removing any guards or opening any covers, to exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10). Replace ALL guards and shields BEFORE operating the Mixer.

HITCHJACK (Fig. 8)

A Hitchjack is furnished with the Mixer to support the machine when the tractor is disconnected as well as to facilitate aligning the Mixer Hitch Clips with the tractor Drawbar for hookup. When the Jack is NOT being used to support the Drawbar, it can be conveniently unlocked and swung into its storage position.



BE SURE the locking pin is properly seated into the holes through the jack tube and the drawbar hub of the Mixer BEFORE the tractor is disconnected. Block the Mixer to make sure that it does not roll after it is disconnected from the tractor.

LADDER & STEPS (Fig. 8)

A Ladder and Steps are incorporated into the Mixer Frame, Mill Housing and Tank design for convenient physical access to the top of the Tank. Friction Surface material is used to cover the stepping areas.



- 2 Telescoping Drive Rotating Shields 3 – Tractor Locking Coupler
- 4 Hitchjack

Fig. 8

MILL & BLOWER (Fig. 9)

The mixing section of the unit can be operated separately of the Mill and Blower. The Mill/Blower Drive Sheave is provided with a Pin to change operation from mixing and/or unloading only to grinding and mixing.



1 - Mill/Blower Shifter Pin Fig. 9

MILL SCREEN COVER (Fig. 10)

The Mill Screen Cover provides access to the Mill Cylinder and Screen areas. Over-center Handle Latches are used to keep the Cover closed tightly.



BE SURE the mill screen cover is closed and tightly latched BEFORE operating the mill. NEVER open the cover when the Mixer or mill is operating.



1 – Overcenter Latch Handles

2 – Mill Screen Cover

Fig. 10

TELESCOPING DRIVE (See Fig. 8)

A Spring-loaded Locking Device is provided on the tractor connection end of the Telescoping Drive to positively lock it onto the tractor PTO shaft. The Telescoping Drive is NOT reversible.



BE SURE that the locking device on the tractor end of the telescoping PTO drive is properly engaged BEFORE starting the tractor engine. Also, BE SURE that the tractor PTO shield is in place and properly secured, and that the telescoping PTO drive shields are rotating freely, BEFORE starting the tractor engine to run the Mixer.

SAFETY CHAIN & AUXILIARY LIGHTING (Fig. 11)



1 – Safety Chain

Fig. 11



ALWAYS follow state and local regulations regarding a safety chain and auxiliary lighting when towing farm equipment on public highways! Laws vary from state to state and locality to locality; BE SURE to check with local law enforcement agencies for your own particular regulations.

Chapter 5 – Controls & Safety Equipment

As required or when desired, the Mixer should be equipped with a Safety Chain and auxiliary lighting for transporting on public highways. Contact your local law enforcement agency for your particular requirements and your GEHL dealer for installation directives. A recommended Safety Chain attachment is provided in the Transporting chapter.

UNLOADING CONVEYOR (Fig. 12)



- 1 Unloading Conveyor
- 2 Transport Lock Pin Securing Conveyor to Transport Bracket Mounted to Transport Support Brace
- 3 Winch Handle
- 4 Friction Brake Handle
- 5 Discharge Conveyor
- 6 Pulley & Pivot

Fig. 12

The Unloading Conveyor receives ground feed from the Discharge Conveyor and Conveys the feed to the selected storage or feeding location. The Conveyor Auger is driven directly by a Hydraulic Motor which is connected in series with the Discharge Conveyor Motor. Motor operation is controlled by a single "on-off" Valve.

A Transport Lock mechanism is provided for holding the Unloading Conveyor in position against the Mixing Tank Support Brace during transport.



When transporting the Mixer, BE SURE lock clip is properly installed in the transport lock mechanism.

A Friction Brake mechanism is used to adjust and hold the horizontal position of the Unloading Conveyor. A Crank-type Winch mechanism is used to adjust and hold the vertical position of the Conveyor. A Wire Cable linkage through three Pulleys is provided for raising and lowering the Conveyor.

CHAPTER 6 OPERATION

EMERGENCY SHUTDOWN

In an emergency or in case a foreign object enters the Mill Inlet, STOP Mixer operation IMMEDIATELY by disengaging the tractor PTO.

GENERAL INFORMATION



BEFORE operating the Mixer, review and comply with ALL SAFETY recommendations set forth in the SAFETY chapter of this manual.

NOTE: Before starting to grind a crop, BE SURE the Tank Lid is closed, the Discharge Slide is closed and the Collector Cover is open.

Best performance, smooth operation, uniformity of mixing and extended component life are obtained by operating the Mixer on level ground. To prolong the life of the Drive Line components, always maintain a straight-line alignment between the tractor and Mixer.

The most efficient grinding will be obtained by maintaining the tractor rated PTO speed which produces a Mill Cylinder speed of 2700 RPM. Cylinder speed should NOT be allowed to exceed 3000 RPM or to drop below 2400 RPM. Before starting to grind, BE SURE the Discharge Slide is completely closed.

For best mixing action inside the Tank, add supplements after a small amount of feed has been ground, then dry granular materials next and hay or straw last. Grind heavy feeds before light feeds since light feeds do not mix as readily if ground first. When heavy feeds are high in moisture content, the heavy damp material should be mixed into the light material to obtain a better mixing action.

NOTE: DO NOT attempt to grind feeds with too high a moisture content because this can cause a packing problem, plugging and result in poor mixing. Abnormally damp crops will not feed or mix well.

Liquids, such as molasses, should only be added either by using an accessory Molasses Attachment or by direct application through the Mixing Tank Lid (and only after the Tank is filled half-way).

Observe the action of the ground feed through the Mixer Tank Windows. When the ground feed reaches the Port Hole Window, at the right rear corner of the Tank, the Tank is full and grinding should be immediately stopped. After all the ground material is cleared out of the Mill, stop the Mixer by exercising the MANDATORY SAFETY SHUTDOWN PROCE-DURE (page 10) and disengaging the Pin on the Mill/Blower Drive Sheave.

IMPORTANT: DO NOT overfill the Mixing Tank because this will cause the feed to pack and place unnecessary stress on the Drive Line components. Also, always keep the Tank Lid closed and properly latched in position so that if the Tank accidentally becomes overloaded the Lid can pop open and release pressure inside the Tank.

The two full-length Windows on the side of the Tank are calibrated with numbers representing bushels of ground feed. Check both Windows for an accurate visual indication of the amount of material in the Tank.

NOTE: For the most accuracy in rationing or proportioning, the Mixer should be equipped with an optional Electronic Scale.

After grinding is completed, stop the tractor and disengage the Mill/Blower Drive Sheave Pin. Then, start the tractor again and allow the Mixer to continue running for several minutes to thoroughly mix the ground feed. If the Mixer is to be transported for any distance, it is advisable to disengage the Mill and allow the Mixer to run.

IMPORTANT: To prevent damage to the Telescoping Drive and Drive Line components while transporting the Mixer with the Tank full and mixing, disengage the tractor PTO before turning corners.

MIXER POWER

Telescoping Drive (Fig. 13)

MX125 Mixers are available with 540 Drive for use with up to 115 hp (86 kW) 540 RPM tractors or with 1000 Drive for use with up to 145 hp (109 kW) 1000 RPM tractors.



DO NOT connect hook a 540 RPM tractor PTO to a Mixer with a 1000 RPM drive or a 1000 RPM tractor PTO to a Mixer with a 540 RPM drive.



1 – Rotating Telescoping Drive Shields 2 – Hitchjack in "Supporting" Position Fig. 13

MILL & BLOWER

Drive Sheave (Fig. 14)

The Mill/Blower Drive Sheave can be engaged or disengaged through appropriate positioning of a Pin on the Sheave. Proper positioning of the Pin enables operating the mixing section together with or separate from the Mill and Blower.



BEFORE engaging or disengaging the drive sheave pin, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).

To disengage the Mill/Blower Drive Sheave Pin and lock out the Mill and Blower, grasp the Pin Handle and flip it 180° .

IMPORTANT: When starting to run the Mill and Blower, engage the tractor PTO at a slow idle speed. Then, advance the PTO speed to the appropriate 540 or 1000 RPM rated load speed.



1 – Mill/Blower Drive Shifter Pin Fig. 14

Drive Line Components (Fig. 15)

All MX125 Mixers have a Double Sheave on the end of the Main Drive Shaft which is linked by two Belts to the Hydraulic Pump.

Hydraulic System (Fig. 16)

All Mixers have a Self-contained Hydraulic System featuring Hydraulic Motor-operated Discharge and Unloading Conveyors as well as Hydraulic Motor-operated Feeder Attachments (as applicable) or a Gravity Feeder Attachment. The Self-contained Hydraulic System is composed of a Pump, Pressure Relief Valve, Reservoir and Oil Filter. The Pump is Belt-driven directly off the Main Drive Shaft which is coupled by the Telescoping Drive to the tractor PTO Shaft.

Component Function

Material enters the Cylinder Chamber through the Mill Inlet and is drawn into the Cylinder by a vacuum below the Cylinder. The vacuum below the Cylinder is obtained by the physical location of the Blower Inlet below the Cylinder.

The Cylinder is composed of sixty-six Swinging Hammers which are equally divided among three rows around the Cylinder. As the Cylinder rotates at the recommended speed of 2700 RPM, the Hammers grind the material and force it through the Screen. Once through the Screen, the ground material drops down to the Mill Outlet where the Intake Auger conveys it to the Mixing Tank. Light-weight chaff or dust is drawn into the Blower Inlet and forced by the Blower up into the Collector where it is refined and separated. More dense particles are directed back down into the Intake Auger and conveyed into the Mixing Tank.



Fig. 15: Drive Line Components



Fig. 16: Hydraulic System Diagram

SCREENS

The MX125 Mill is designed specifically for operation only with a material Screen installed. Numerous Screens are available with various size holes to accommodate different material and grinding requirements. The Chart provided gives hole size recommendations for some of these materials and grinding requirements. Two Screens (of the Customer's choice) are furnished with the Mixer.

Refer to the Optional Features and Accessories chapter of this manual for a list of all the sizes available. For added convenience, a Screen Storage Rack is provided on the left side of the Mixer between the Tank and Tire.

Texture of Grind	Small Grains – Milo, Kafir, etc.	Cereal grains – Oats, Barley, Wheat, etc.	Shelled Corn	Ear Corn	Hay or Grass	Alfalfa
	Reco	ommen	ded Scr	een Hole	e Size t	to Use
	3/32	3/32	3/32	1/4	1/2	1/2
	1/8	1/8	1/8	5/16	-	5/8
Fine	-	3/16	3/16	3/8	-	-
	-	-	1/4	-	-	-
	-	-	5/16	-	-	-
	3/16	1/4	3/8	1/2	5/8	3/4
Medium	1/4	5/16	1/2	5/8	-	1
	5/16		5/8	-	-	-
	3/8	3/8	3/4	3/4	1	1-1/4
Coarse	1/2	1/2	1	1		1-1/2
	5/8	5/8	-	1-1/4	-	-



Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10), BEFORE servicing this unit.

To install or change a Screen, proceed as follows:

- 1. Unlatch and open the Mill Screen Cover.
- 2. With the Cover completely open, the Screen Support lowers and releases the Screen. Lift the existing Screen out of the Support.
- 3. Position and install the new (or different) Screen into the Support.
- 4. Close and latch the Mill Screen Cover.



NEVER operate the mill unless the mill screen cover is closed and properly latched.

NOTE: When a Screen is correctly installed, it should fit tight against the Mill Throat Plate and butt tightly against the Mill Frame Hood Sheet when the Mill Screen Cover is closed and securely latched.

The fineness of grinding is a factor of Mill speed, condition of the Hammers and the size and sharpness of the Screen. Considering that Mill speed is maintained at 2700 RPM and also that the Hammers are in good condition, the efficiency of the Mill will decrease if too fine a Screen hole size is used and/or if the holes are badly worn. If grinding fineness is deteriorating, the Screen should be removed and rotated to place the sharp hole edges against the direction of Cylinder rotation or the Screen should be replaced.

CAPACITY

MX125 Mixing Tank capacity is 125 bushels (156 cubic feet, 44 hectoliters), by volume. The Tank will hold approximately 4000 lbs (1800 kg) of ground feed consisting of average weight corn, small grain and/or concentrates. More or less weight (per Tank) is possible, depending upon whether the material that is being

ground is lighter or heavier than average. The following chart shows Window markings in Bushels with corresponding weights for a few common types of material. Grinding capacity of the Mill can and will vary due to the type of material being ground, the moisture content of the material, the size Screen used, and the horsepower of the tractor used to operate the Mixer.

The Mixer is designed for operation by a 50 to 115 hp (38 to 86 kW) 540 RPM tractor or by a 50 to 145 hp (38 to 109 kW) 1000 RPM tractor. Maximum Mill capacity is obtained by operating at the rated PTO speed which maintains consistent Mill Cylinder Speed.

MX125 Tank Capacity (in Pounds*)						
Volume in Bushels**	Oats	Barley	Milo or Shelled Corn	Ear Corn		
100	3200	4800	5600	3500		
90	2880	4320	5040	3150		
80	2560	3840	4480	2800		
70	2240	3360	3920	2450		
60	1920	2880	3360	2100		
50	1600	2400	2800	1750		
40	1280	1920	2240	1400		
30	960	1440	1680	1050		
20	640	960	1120	700		
10	320	480	560	350		

Tank Capacities for Some Common Materials

* Multiply Pounds by 0.4536 to obtain Kilograms ** Multiply Bushels by 0.3524 to obtain Hectoliters

NOTE: Above weights are computed on the basis of grinding average weight crops, using an average size Screen in the Mill. Capacities obtained depend on the size Screen used, the moisture content of the crop being ground, and the amount of settling.

CONCENTRATE HOPPER (Fig. 17)

NOTE: Certain medicated feed additives and drugs, which may be mixed by some operators for special animal rations (such as EP-250 sulfa for use with feeder pigs), may leave residual dust/ material on the walls of and in the bottom of portable grinder mixers. In order to avoid the serious problems (both to the animals and your business), which could occur if this material is ingested by other animals, each time you use your

Mix-all[®] to mix this type of material and after you have unloaded the material from the Tank, completely hose out the Tank before grinding or mixing any feed for other animals.

The Cover on the Concentrate Hopper is spring-loaded to positively hold it in either the open or closed position. A Bag Guard is provided over the entire Hopper opening to prevent containers from being accidentally drawn into the Auger/Drive Shaft or Intake Auger.



1 – Spring-loaded Cover

- 2 Bag Guard
- 3 Bag Breaker

Fig. 17: Concentrate Hopper with Cover Open



NEVER remove the bag guard or use the concentrate hopper without the guard covering the hopper opening.

NOTE: DO NOT pour any liquids, such as molasses, into the Concentrate Hopper. When adding micro-ingredients to the ground feed, a pre-mix should be used and added through the Concentrate Hopper. Small quantity, highly potent additives (medicines, vitamins, etc.) should be placed into the Tank through the Tank Lid opening on top of the Tank, after at least half a Tank of feed has already been ground into the Tank. BE SURE to close and latch the Tank Lid before continuing to grind and mix.

DISCHARGE CONVEYOR (Figs. 18 & 19)

The Discharge Conveyor is a Hydraulic Motor-driven Auger which removes the ground feed from the Mixing Tank and discharges it into the Unloading Conveyor. A single Shut-off Valve controls the Hydraulic Motor which operates at a single constant speed determined by the speed of the tractor PTO. A manual Crankcontrolled Sliding Plate is provided to regulate the amount of feed passing through the Discharge Chute, the inlet to the Discharge Conveyor. A Pop-up Cover is provided on top of the Discharge Conveyor for overflow protection. The Cover will automatically raise, if a backup condition develops in the Unloading Conveyor.



1 – Unloading Conveyor Motor 2 – Discharge Conveyor Motor Fig. 18



- 2 Transport Lock Pin Securing Conveyor to Transport Bracket Mounted to Transport Support Brace
- 3 Winch Handle
- 4 Friction Brake Handle
- 5 Discharge Conveyor
- 6 Pulley & Pivot



NOTE: The proper sequence for operating the Discharge Conveyor is to always activate the Hydraulic Shut-off Valve to start the Motor before opening the Discharge Chute. After the Mixing Tank has been unloaded, BE SURE to close the Discharge Chute.

FEEDER ATTACHMENTS (Figs. 20-23)

Swinging Auger Feeder (Fig. 20)

The Swinging Auger Feeder (SAF) Attachment is designed primarily to convey material into the Mill from trailers, storage bins or cribs. It is available (factory installed) on one of the Mixer models which has a Self-contained Hydraulic System.

This Attachment is composed of an Infeed Hopper, Hydraulic Motor-driven, Loading Auger and Mill Hopper with Weather Cover. The Loading Auger can be swung in and locked against the Mixer Tank Support Brace, for transporting, or swung out and locked at any point along a 180° horizontal arc, from the point of pivot. Operating height of the Infeed Hopper can be conveniently raised or lowered and held in position using the Lifter Handle and Rope mechanism. The Attachment is Spring counterbalanced to facilitate lifting. The right portion of the Infeed Hopper can also be conveniently folded-in to reduce overall width for transporting.

Speed Control Handles are provided for convenient regulation of the speed of Conveyor Auger rotation. Appropriate movement of any one of the three mechanically interconnected Handles enables stopping and starting Auger rotation as well as regulating the feeding rate of material being fed into the Mill Hopper. Two other convenience features provided on the SAF are an enclosed Wind and Grain Shield, which is located over the discharge end of the SAF Trough, and a Water Drain Plug, which is located in the bottom of the Trough Infeed Hopper.



1 – Mill Hopper 2 – Pivot Lock 3 – Counter-balance Spring

Fig. 20

Feed Roll (Fig. 21)

The Feed Roll (FR) Attachment is designed primarily to facilitate uniform feeding of grains and ear corn as well as to simplify feeding hay. It is available (factory installed) on one of the Mixer models which has a Self-contained Hydraulic System. This Attachment is composed of an Infeed Trough and a Hydraulic Motor-driven Feed Roll attached directly to the Mill Inlet. The Infeed Hopper is designed to pivot down for feeding hay or pivot up and form a slope into the Feed Roll. Feed Roll height is adjustable through appropriate positioning of an Adjustment Chain linkage. A Push-to-Stop Bar is used to stop, start and regulate the speed of the Feed Roll and thus the feeding rate into the Mill Inlet.



1 – Infeed Hopper

- 2 Push-to-Stop Bar
- 3 Feed Roll Height Adjustment

Swinging Auger/Feed Roll Feeder (Figs. 20 & 22)

The Swinging Auger/Feed Roll (SAFR) Attachment is a combination of both of the preceding Attachments. It is available (factory installed) on one of the Mixer models which has a Self-contained Hydraulic System. Functional details are as individually described in the two preceding topics. Characteristics and features of the Swinging Auger Feeder section of the Attachment are exactly like the individual SAF Attachment. Basically, the only special feature of this Attachment is the provision for shutting off the SAF section and operating the FR section separately. Both Hydraulic Motors are served by the same Flow Control Valve which serves to synchronize feeding speeds.



1 – SAF

- 2 Grain Shield
- 3 Push-to-Stop Bar
- 4 Hopper Cover
- 5 SAF Shut-off Lever

Fig. 22: SAFR Feeder Attachment

Gravity Feeder (Fig. 23)

The Gravity Feeder is a stationary Hopper unit with NO moving or running parts. Material to be ground or mixed is dumped into the Hopper and slides directly into the Mill Inlet. The amount of material flow into the Mill Inlet is controlled by appropriate positioning of an adjustable Shutter Plate. A Rubber Splashplate is also provided to prevent the material which is being fed from being kicked out by the Mill Cylinder.

Fig. 21



Fig. 23: Gravity Feeder (GF) Attachment



Keep hands out of the Mill Inlet area.

OVERLOAD PROTECTION

Main Drive (See Fig. 15)

The MX125 is furnished with a $5/16 \times 1''$ Grade 5 Shear Bolt protecting the Auger/Transmission (Main) Drive Shaft and Transmission and a $1/4 \times 1''$ Grade 5 Shear Bolt protecting the Intake Auger. Whenever the Auger/ Transmission (Main) Drive fails, the Intake Auger will also stop turning.

IMPORTANT: *BE SURE to stop all Mixer operation IMMEDIATELY when Shear Bolt failure is detected.*

The 8 "A" Section Drive Belt, which links the Mill/ Blower Driven Sheave to the Drive Sheave, provides overload protection for the Mill and Blower components. If plugging or breakdown occurs in the Mill or Blower areas, the Mill/Blower Drive Belt will slip and stop turning the Mill/Blower Drive Shaft. The Drive Belts, which link the Sheave on the Hydraulic Pump to the Sheave on the end of the Main Drive Shaft, provide overload protection for the Hydraulic Pump.

IMPORTANT: *BE SURE to stop all Mixer operation IMMEDIATELY when Drive Belt slipping is detected.*

Hydraulic System

The Pressure Relief Valve, on the output side of the Hydraulic Pump, provides overload protection for the

entire Hydraulic System. The Relief Valve will permit pressure build-up to a factory set value of 2000 PSI (13,800 kPa). The Mixer Hydraulic System operating pressure range is normally 200 to 1500 PSI (1380-10,300 kPa). Thus, if one of the Hydraulic Motors is stopped by a malfunction of the component it is driving, the pressure will build-up to the factory set cut-off pressure and the Relief Valve will automatically stop flow throughout the entire Hydraulic System. After the problem is corrected, the Relief Valve will automatically reset and restore oil flow to the System.

Discharge Conveyor (Fig. 24)

NOTE: A Pop-up Cover is provided on the top end of the Discharge Conveyor to protect the Discharge Auger in case of a malfunction in the Unloading Conveyor Auger, which might cause a material build-up in the junction between the two Conveyors. If material at the junction backs up, the Pop-up Cover will spring open.

IMPORTANT: Shut the On-Off control off IMMEDIATELY if the Pop-up Cover is forced open.



- 1 Sliding Plate Control Crank (Each Side)
- 2 Pop-up Cover
- 3 Discharge Conveyor
- 4 Unloading Conveyor 5 – ON-OFF Selector Valve
- = ON-OFF Selector valve
- Fig. 24: Discharge & Unloading Conveyors

Tank Lid (Fig. 25)

The Lid on top of the Mixing Tank has spring-loaded hinges and Latches which enable it to be forced open by overflowing material inside the Tank. If the Tank accidentally becomes filled beyond design capacity, the Lid will open, allowing the ground feed to spill-out, and prevent damage to the Auger and Drive components.

Chapter 6 – Operation

IMPORTANT: *BE SURE to stop all Mixer operation IMMEDIATELY if the Tank Lid is forced open. BE SURE the Tank Lid is closed and the Latches and Hinges are properly adjusted before starting to grind or mix.*



1 – Tank Lid

- 2 Adjustable Spring-loaded Hinge (Each Side)
- 3 Adjustable Spring-loaded Latch (Each Side)

4 – Air Relief Tube

Fig. 25

UNLOADING CONVEYOR (Fig. 26, & See Figs. 18, 19 & 24)



Do NOT attempt to lower the unloading conveyor all the way to the ground. By design, the conveyor is intended to be lowered only to a point at or slightly below the horizontal.

The Unloading Conveyor is a Hydraulic Motor-driven Auger which receives ground feed from the Discharge Conveyor and unloads it to any point (as directed) within a 270° horizontal arc and 52° vertical arc from the point of pivot. The length of the Unloading Conveyor is approximately 12 feet (3.7 m), without any Extensions. By adding one of the accessory Extensions, the length can be increased to one of the amounts shown in the illustration. Refer to the Optional Features & Accessories chapter for ordering information.

The Hydraulic Motor which drives the Unloading Conveyor Auger is connected in series with the Discharge Conveyor Motor so that both Augers are synchronized as well as started and stopped together. Likewise, if either Motor malfunctions, the movement of material through both Conveyors will stop immediately.

A Friction Brake mechanism is provided to adjust and hold the horizontal position of the Unloading Conveyor. A Crank-type Winch mechanism is used to adjust and hold the vertical position of the Conveyor. A Transport Lock mechanism is provided for holding the Unloading Conveyor in position against the Mixing Tank Support Brace during transport.



- 1 7-1/2 ft. Folding Extension
- 2 4 ft. Folding Extension
- 3 3 ft. Stationary Extension
- 4 Standard Unloading Conveyor

Fig. 26



Careful inspection and proper routine maintenance of all components related to the brake, winch and transport lock mechanisms MUST be carried out to insure proper operation and prevent possible injury due to malfunction. Refer to the Operation and Service chapters for additional information.


If the unit becomes plugged, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10) BEFORE removing the plug material.

IMPORTANT: Whenever plugging is detected, stop Mixer operation IMMEDIATELY.

Mill, Mill Drive and Mixing Tank

Plugging of the Mill and/or the Mill Inlet can result from overfeeding, slipping of the Mill/Blower Drive Belt, shearing of either the Auger/Transmission (Main) Shear Device or the Intake Auger Shear Device, or abnormal crop conditions. Abnormal crop conditions would include crops with high moisture content or crops that are too light or bulky which would NOT feed properly.

Overfeeding

If plugging develops from overfeeding, the tractor will choke down and even stall. To remove the plugging proceed as follows:

- 1. Shut the tractor off and disengage the PTO.
- 2. Shut off the Feeder Attachment.
- 3. Open the Mill Screen Cover, remove the Screen and allow the material to fall down into the Intake Auger.
- 4. Disengage the Mill/Blower Drive Sheave Pin.
- 5. Start the tractor and engage the PTO at slow speed to convey the material into the Tank.
- 6. Shut the tractor off and disengage the PTO.
- 7. Replace the Mill Screen Cover, engage the Mill/ Blower Drive Sheave Pin and restart the tractor and PTO.
- 8. Bring the Mill up to proper running speed and restart the Feeder Attachment. If the condition of the crop remains the same, BE SURE to reduce the feeding speed to avoid overfeeding.

Mill/Blower Drive Belt Slippage

If plugging develops from Mill/Blower Drive Belt slippage, the Mill and Blower will gradually slow down without much reduction in tractor PTO speed. To remove the plugging, follow steps 1 thru 6 above. After the plugging has been removed, readjust the Drive Belt tension (see Adjustment chapter), replace the Mill Screen Cover, engage the Mill/Blower Drive Sheave Pin, re-start the tractor and PTO, bring the Mill Cylinder up to proper operating speed and resume grinding.

Shear Devices

Blockage in the Mixer or component failure will cause the tractor to choke down or stall. Shut down the tractor and Mixer IMMEDIATELY and proceed as follows:



BEFORE unplugging the mill inlet or attachment hopper, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).

- 1. After exercising the MANDATORY SAFETY SHUTDOWN PROCEDURE, open the Mill Screen Cover and clean out material in the Mill and the Cylinder areas.
- 2. Check the Auger/Transmission (Main) Shear Bolt if it has sheared. Replace the Shear Bolt per details in this chapter. Rotate the Mill Drive Sheave, by hand, to turn the Sprocket and Intake Auger. If Sprocket turns but the Intake Auger does NOT turn, the Intake Auger Shear Bolt has failed. Refer likewise to information in this chapter for Shear Bolt replacement information.
- 3. After the Shear Bolts have been replaced, attempt to rotate the entire assembly. If rotation, in either direction, is NOT possible, proceed to step 4. If the Sprocket and the Intake Auger turn but the Mixing Auger does NOT, proceed to step 5.
- 4. To remove plugging material in the Mixing Tank Inlet, the Intake Auger will have to be removed. Details for Mixing Auger removal are provided in the Service chapter.

Chapter 6 – Operation

- 5. Remove the Rear Chain Guard and check for a broken Chain, Drive Sprocket or Driven Sprocket or for sheared Keys which hold the Sprockets. Replace any damaged parts.
- 6. If the items in step 5 are NOT at fault, remove the Transmission Drive Chain and attempt to rotate the Transmission Input Shaft clockwise. If the Input Shaft turns freely, internal Transmission component failure is probable. Remove the Transmission and take it to your nearest dealer for repair.

After the cause of the plugging has been corrected, restore all components, Guards and Shields BEFORE resuming operation.

Crop Conditions

Abnormal crop conditions prevent smooth flow of the crop into the Mill Inlet. If plugging occurs in the Mill Inlet or the Attachment Hopper, the Mixer will continue to operate with NO apparent sign of slow-down, Cylinder slow-down or tractor loading.

BEFORE unplugging the mill inlet or attachment hopper, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).

Proceed to determine and correct the plugging before resuming grinding.



Keep hands away from the attachment hopper while it is operating.

NOTE: In general, problems of bridging in the Mill Inlet opening, due to feeding very light crops or crops with a high moisture content, can be greatly reduced when the Mixer is equipped with a Feed Roll Attachment.

After the cause of the plugging is corrected, resume feeding into the Mill at a slower rate until proper flow is obtained. Since crop condition will most likely remain the same, the infeed rate will have to be adjusted accordingly.

Blower Inlet & Outlet

Plugging in the Blower Inlet or Outlet will be apparent by the visible absence of dust particles in the air around the top of the Collector, the visible presence of dust in the Mill Throat area and a greatly reduced air discharge felt at the top of the Collector. If plugging is detected, proceed as follows:

NOTE: Collector Cover MUST always be open while grinding.

- 1. Exercise the MANDATORY SAFETY SHUT-DOWN PROCEDURE (page 10).
- 2. Open the Mill Screen Cover and remove the Screen.
- 3. Inspect the Blower Inlet opening, remove any build-up and probe into the opening all the way up into the Blower.
- 4. After the plugging has been removed, replace the Screen, close and latch the Cover and attempt to resume grinding.
- 5. If there is still NO air coming out the top of the Collector, the plugging is in the discharge side (Blower Outlet). Proceed to step 6.
- 6. If NO air is being discharged out the top of the Collector, remove and clean out the Pipe connected to the Blower Outlet. BE SURE to exercise the MANDATORY SAFETY SHUT-DOWN PROCEDURE (page 10) before attempting to remove the plugging material.

Collector

If the Collector or its discharge pipe into the Intake Auger is plugged, an abnormal amount of heavier dust particles and even ground feed will be discharged from the top of the Collector. Proceed as follows:

- 1. Open the Concentrate Hopper and, with the PTO running, observe that the Intake Auger is turning. If it is NOT, refer to the Shear Devices subtopic under Unplugging, on the previous page.
- 2. If the Intake Auger is turning, stop the tractor and shut off the PTO.
- 3. Climb the Ladder and check the inside of the Collector. If a build-up is noted, remove the Discharge Pipe and dislodge the plugging material.
- 4. Replace the components after the plugging has been removed and resume operation.

Air Relief Tube

If the Tank Lid opens as a result of excessive pressure (inside the Tank) the Air Relief Tube should be checked for plugging. Remove the Tube from the top of the Tank, unplug it and replace it.

Discharge Conveyor

The Discharge Conveyor could possibly become plugged by tough and bulky material wedging between the Auger and Trough or by water forming into ice if left standing for any length of time. To clear the plugging material proceed as follows:

- 1. Exercise the MANDATORY SAFETY SHUT-DOWN PROCEDURE (page 10).
- 2. Shut off the ON-OFF Valve and open the Pop-up Cover.
- 3. Clean out any excess material (if present) and attempt to turn the Auger with a wrench until the Auger moves more freely.
- 4. If the Auger can be rotated, restore tractor operation and restart unloading. If the Auger can NOT be rotated, the Auger MUST be removed through the Pop-up Cover opening. Proceed to step 5.
- 5. Remove the Nuts from the (4) Bolts which secure the Motor Mounting Plate to the Discharge Conveyor. Then, move the Plate and Motor back (an inch or two) and loosen the Square Head Set Screw which secures the Motor and Auger. Then, pry the Auger away from the Motor and pull the Auger out.
- 6. After the plugging material has been removed, replace the Auger and reinstall the Motor and resume unloading.

Unloading Conveyor

The Unloading Conveyor could possibly become plugged by tough and bulky material wedging between the Auger and Trough or by water forming into ice if left standing for any length of time. Another possible cause is operating the Conveyor at too steep an angle (for the type of material being unloaded) or because of improper installation of the Conveyor Extension if being used. To unplug the Unloading Conveyor, proceed as follows:

- 1. Exercise the MANDATORY SAFETY SHUT-DOWN PROCEDURE (page 10).
- 2. Shut off the ON-OFF Valve.
- 3. Attempt to turn the Auger with a wrench until it moves freely.
- 4. If the Auger can be turned, restore tractor operation and resume unloading. If it can NOT be turned, proceed to step 5 after the tractor is shut off and the PTO is disengaged.
- 5. Remove the Nuts from the (4) Bolts which secure the Motor Mounting Plate to the Unloading Conveyor. Then, move the Plate and Motor back (an inch or two) and loosen the Square Head Set screw which secures the Motor and Auger. Then, pry the Auger away from the Motor and remove the Auger.
- 6. After the plugging material has been removed, replace the Auger and reinstall the Motor and resume unloading.

NOTE: If the plugging is due to an improperly attached Extension, the installation should be checked and corrected before attempting to resume unloading.

CHAPTER 7 ADJUSTMENTS

BEFORE adjusting this unit, exercise the MANDATORY SAFETY SHUTDOWN PROCE-DURE (page 10).

DISCHARGE CHUTE CRANK TENSION (Fig. 27)

The Sliding Plate over the Discharge Chute opening in the Mixing Tank is manually repositioned by a Crankcontrolled Sprocket. Slotted mounting holes are used to attach the Crank control mechanism into its housing. By loosening the (4) attaching bolts, the Crank control mechanism can be repositioned to adjust the amount of pressure on the Sliding Plate. The Crank control mechanism should be adjusted so that it can be turned without excessive force yet it be kept tight enough to hold the adjusted position of the Sliding Plate. Access to the nuts is obtained by lifting up the Rubber Flap.



1 – Discharge Crank Mounting Bolts (2 Both Sides)

- 2 Sliding Plate
- 3 Discharge Crank (1 Each Side)

Fig. 27: Discharge & Unloading Conveyors

FEEDER ATTACHMENTS

NOTE: The following information, although listed under specific Attachment topics, should be understood to apply also to the appropriate sections of the combination Swinging Auger/Feed Roll Attachment.

SAF Brake Tension (Figs. 28 & 30)

A Brake Lever is used to adjust and hold the horizontal position of the Swinging Auger Feeder Attachment. The Brake mechanism consists of a cam-type Leveractivated mechanism which is linked to a Clamping Band around the Attachment Pivot. An Adjustment Bolt, on the opposite end of the Lever, can be turned in or out to respectively tighten or loosen the Clamping Band around the Pivot. The Bolt should be properly adjusted so that, when the Brake Lever is at a right angle to the Pivot, there is NO binding or restriction when the Auger is swung. It should likewise be adjusted so that, when the Brake Lever is moved straight out (perpendicular) to the Pivot, there is tight clamping around the Pivot and the Auger is firmly held in place.



1 – Adjustment Bolt 2 – Clamping Band

Fig. 28

38

SAF Counterbalance Spring Tension (Figs. 29 & 30)

The Swinging Auger Feeder Attachment is Spring Counterbalanced to facilitate lifting the Attachment. Several holes are provided in the Spring Attachment Bracket to select an appropriate Spring tension. The Spring should be hooked in the hole which provides enough tension to conveniently raise the Attachment yet still allows the Attachment to remain stationary when the Infeed Hopper end is lowered towards the ground.



1 – Infeed Hopper (Guard Moved to show Auger) Fig. 29



- 1 Counterbalance Spring
- 2 SAF Pivot Brake Handle
- 3 Spring Attachment Bracket
- 4 SAF Pivot

Fig. 30



Use care when adjusting spring tension to avoid pinching your fingers in the spring coils.

Feed Roll Height (Fig. 31)

An Adjustment Chain is provided for adjusting the height of the Feed Roll Attachment. By appropriate positioning of the Chain, the lower limit of travel for the Feed Roll can be adjusted for different materials to be fed into the Mill. The Feed Roll should be set all the way down (minimum gap) for feeding hay or set half-way up for feeding cob corn, grains or shelled corn.



1 – FR Height Adjustment Chain Fig. 31



Keep hands away from the feed roll when operating this Attachment.

FRONT DRIVE CHAIN (Fig. 32)

The Auger/Transmission (Main) Drive Shaft is driven by a Sprocket which is linked by the Front Drive Chain to a Sprocket on the Main Drive Shaft. Front Chain tension is self-adjusted by a Spring-loaded Idler and requires NO further readjustment. However, the Chain should be inspected after every 200 hours of operation for signs of wear.



- 1 Driven Sheave
- 2 Mill/Blower Drive Sheave
- 3 Shifter Pin
- 4 Extra Shear Bolts
- 5 Self-tensioning Front Drive Chain Idler
- 6 Auger/Transmission (Main) Shear Device & Driven Sprocket
- & Driven Spi 7 – Drive Belt

Fig. 32

MILL/BLOWER DRIVE (Figs. 32 thru 36)

The Mill/Blower Drive Sheave is linked by an 8 "A" Section Banded Drive Belt to the Mill/Blower Driven Sheave which turns the Mill/Blower Drive Shaft. Take-up Bolts are provided to align the Drive Sheave with the Driven Sheave as well as to adjust Drive Belt tension. Proper alignment of the Sheaves is obtained when both the Main Drive and the Mill/Blower Drive Shafts are parallel and also when the edges of both Sheaves are in alignment with each other. Proper Belt tension is measured by obtaining a 3/8'' (10mm) deflection of the Belt while applying a 60 lb (270 N) force on the Belt midway between the Sheaves.

NOTE: A new Drive Belt should be adjusted for an initial tension of 3/8" (10 mm) deflection with an applied pressure of 80 lb (360 N). Refer to the Service chapter of this manual for new Belt installation procedures.



1 – Adjustment Nut on Take-up Bolt 2 – Take-up Bolt

Fig. 33

Sheave Alignment (Fig. 34)

To align the Mill/Blower Drive Sheave with the Driven Sheave, proceed as follows:

- 1. Loosen the Lock Nuts on both Main Drive Shaft Take-up Bolts.
- 2. Place a long rigid straightedge across the faces of both Sheaves to check alignment.

NOTE: The Driven Sheave for 1000 RPM Drives is 1-1/8" (30 mm) wider.

- 3. Adjust the Nut on the left Take-up Bolt to bring the Drive Sheave into alignment with the Driven Sheave.
- 4. After proper alignment is obtained, check and adjust Drive Belt tension.



- 1 For 1000 RPM Sheave Only (Place Straightedge against edge of wider Sheave)
- 2 Both edges MUST touch for proper Sheave Alignment
- 3 Mill/Blower Driven Sheave (540 RPM)
- 4 Fixed Mill/Blower Drive Shaft
- 5 Rigid Straightedge
- 6 Adjustable Main Drive Shaft
- 7 Adjustment Nut on Left Take-up Bolt

Fig. 34: Sheave Alignment Detail

Belt Tension (Fig. 35)

To adjust Mill/Blower Drive Belt tension, proceed as follows:

NOTE: BE SURE to release Front Drive Chain tension (by loosening the Idler) before proceeding.

- 1. Loosen the Lock Nuts on both Main Drive Take-up Bolts.
- 2. Check Belt tension initially by measuring the amount of Belt deflection, at the midway point between the Sheaves, while applying a 60 lb (270 N) force at the midway point.

- 3. Adjust the Nut on the left Take-up Bolt clockwise to decrease deflection (increase tension) and adjust the Take-up Bolt on the right an equal number of turns counterclockwise to keep Drive Sheave in alignment with Driven Sheave. Adjust both sides until the deflection measures 3/8" (10 mm).
- 4. After proper tension is obtained, check for correct Sheave alignment, retighten the Lock Nuts on both Take-up Bolts.



1 – 3/8" (10 mm) Deflection for 60 lb. (270 N) force (normal adjustment), or for 80 lb. (360 N) force (initial adjustment)

MILL SCREEN COVER LATCHES (Fig. 36)

Over-center Handle Latches are used to secure and maintain the Mill Screen Cover tightly closed while the Mill is being operated.



NEVER operate the mill unless the mill screen cover is properly closed and latched. The cover MUST also be properly closed and latched before climbing onto the Grinder Mixer.

Fig. 35: Mill/Blower 8 "A" Section Drive Belt Tension

Chapter 7 – Adjustments

Take-up Bolts are built-into the Latches to adjust latching tension. This tension should be adjusted and maintained so that some force has to be applied on the Handles to unlock them. Both Take-up Bolts should be adjusted equally and locked with loops in horizontal positions.



1 – Take-up Bolts 2 – Over-center Latch Handles 3 – Mill/Screen Cover

Fig. 36

TANK LID (Fig. 37)

The Tank Lid on top of the Mixing Tank is designed to be self-unlatching in the event that the Mixing Tank accidentally becomes overfilled. The Latching Handles should be properly adjusted to maintain proper tension on the Lid to keep it closed and weather-tight but to still allow it to be forced-open from the inside of the Tank by overflowing material. Proper Latch adjustment is obtained when the Latch Handle can be pulled straight up approximately 1/2" (12 mm), which completely compresses the Spring.

IMPORTANT: The Latch Springs should NEVER be completely compressed when the Handle is all the way down or the Lid will not open during over–load.



- 1 Tank Lid
- 2 Adjustable Spring-loaded Hinge (Each Side)
- 3 Adjustable Spring-loaded Latch (Each Side) 4 – Air Relief Tube

Fig. 37

TRANSMISSION DRIVE (REAR) DRIVE CHAIN (Fig. 38)

The Transmission Output Shaft fits directly into the Mixing Auger Shaft. The Transmission Input Sprocket is linked by the Rear Drive Chain to a Sprocket on the end of the Auger/Transmission (Main) Drive Shaft. Chain tension can be adjusted by appropriate positioning of an Idler Sprocket which is attached to an Adjustable Bracket. Access to the Idler and Bracket is obtained by removing the Guard over the Rear Chain. Chain tension should be adjusted and maintained at a 1/4" (6 mm) deflection on the strand of Chain opposite the Idler Sprocket.

NOTE: Rear Chain tension should be checked on a routine basis and properly adjusted to prevent accelerated wear and excessive noise.

Chapter 7 – Adjustments



- 1 Transmission (Rear) Drive Chain
- 2 Idler Sprocket
- 3 Auger/Transmission Drive Shaft

Fig. 38

UNLOADING CONVEYOR

Brake Tension (Fig. 39)

The Brake Lever is provided to adjust and hold the horizontal position of the Unloading Conveyor. A Decal is also provided to show the positions of the Lever for both engagement and disengagement. The Brake consists of a Cam-type Lever-activated mechanism which is rotated into contact with a Brake Shoe assembly underneath the Conveyor Pivot Flange. The Brake Shoe can be repositioned, when necessary, to increase or decrease the amount of Lever rotation necessary to lock the position of the Conveyor Housing.

NOTE: In order for the Brake Mechanism to function properly, the bottom side of the Discharge Spout Flange MUST be checked and kept clean of grease and dirt.

The Brake Shoe is designed with a sloped cutout directly below the Brake Pad and above the Cam. When the Brake Shoe is new, the Shoe is secured at a position

where the deepest portion of the cutout is above the Cam and a minimum clearance is between the vertical face of the cutout and the Cam. After this Shoe position has been established, the CB with the two thick Washers MUST be completely tightened and the CB with the one thick Washer MUST be secured just enough to prevent side to side Shoe movement; do NOT overtighten the CB with one thick Washer as this will cause binding and prevent Brake function. With the two CB properly secured, the Brake should be disengaged, with the Handle in the 6 o'clock position and, the Brake should fully engage when the Handle is moved to the 10 or 2 o'clock positions. Repositioning the Shoe and resecuring the two CB may have to be repeated several times to obtain the correct Brake Mechanism function. After proper adjustment is obtained, BE SURE to check Unloading Conveyor pivoting with the Brakes unlocked to check for freedom of movement.



4 – Brake Shoe

Fig. 39

NOTE: Over a period of regular use and normal operation, the Brake Shoe will require repositioning (towards the shallower portion of the cutout) to restore correct Brake Mechanism function and to compensate for normal Brake Pad wear.

Transport Lock Mechanism (Figs. 40 & 41)

The Unloading Conveyor MUST always be moved to and locked against the Tank Support Brace before the Mixer is transported. The Transport Lock Mechanism consists of a Conveyor Latch Pin on the Conveyor Lock assembly which is clamped to the Unloading Conveyor and a Conveyor Support assembly which is secured to the Tank Support Brace. When required to avoid interference with your tractor cab, the Conveyor Support assembly can be raised, by relocating it to another pair of holes in the Tank Support Brace. If the Support assembly is raised, the (2) Clamp mounting bolts will also have to be loosened and the Conveyor Lock assembly will have to be repositioned to obtain correct Latch Pin engagement.



- 1 Unloading Conveyor
- 2 Repositionable Mounting Band
- 3 Transport Pin & Chain
- 4 Conveyor Transport Bracket

Fig. 40



- 1 Mixer Tank Support
- 2 Conveyor Transport Bracket
- 3 Additional Transport Bracket Mounting Holes
- 4 Bracket Attaching Hardware

Fig. 41



ALWAYS install and secure the lockpin through the hole in the latch pin BEFORE transporting the Grinder Mixer.

Avoid contact with overhead high power lines; ALWAYS maintain a safe clearance from all electrical wires. Notes

CHAPTER 8 LUBRICATION

GENERAL INFORMATION



NEVER lubricate this unit when any part of the machine is in motion. ALWAYS exercise the MANDATORY SAFETY SHUTDOWN PROCE-DURE (page 10) BEFORE lubricating this unit.

IMPORTANT: Before starting the Grinder Mixer, make sure the entire unit is properly lubricated and that the Transmission and Hydraulic Reservoir are filled to the proper oil levels.

It is well to remember that a sufficient amount of oil and grease will prevent excessive part wear and early failure.

IMPORTANT: Whenever service is performed on hydraulic components (valves, cylinders, hoses, etc.) or Transmission, **care must be taken to prevent discharging fluid onto the ground**. Catch and dispose of fluid per local waste disposal regulations.

TRANSMISSION OIL LEVEL

NOTE: On a routine basis after every 200 hours of operation, check the fluid level in the Mixer Transmission by removing the Plug located on the side of the Transmission. It requires 1-1/2 U.S. Pints (0.7 liters) of SAE #140 Gear Lube.

The Transmission should be checked occasionally for oil drips and dust accumulation around the Seals. Oil drips or dust accumulation indicate that Seals are leaking. Oil which is tan in color and foams excessively indicates that it has water present. Unless rust spots appear inside the Transmission, the fluid does NOT require replacement.

NOTE: Do NOT overfill the Transmission; only fill to the bottom of the Inspection Plug hole.

OILING

Lubricate all Drive Chains, at the intervals of operation listed, using a good grade of foaming aerosol lubricant, such as NAPA Chain and Cable Lubricant. This type of lubricant increases the life of the Chain 3 to 4 times over those lubricated at 8 hour intervals with new or used motor oil. The recommended method is to spray the entire length of Chain on the center of the Rollers. It is better to lubricate Chains when they are warm (after use, rather than before).

In addition to the Roller Chains, apply motor oil on all other points listed at the intervals specified.

Lubricate Every 10 hours (or (Daily)

Rotating Telescoping PTO Drive Guard

All Roller Drive Chains

Unloading Conveyor Pulleys

Winch Bearings

Lubricate Every 50 hours

Unloading Conveyor Transport Latch Pin

SAF Transport Latch Pin (as applicable)

HYDRAULIC RESERVOIR

The Hydraulic Reservoir on Mixers with Self-contained Hydraulic Systems should be operated at all times with at least 10 U.S. Gallons (38 liters) of Hydraulic Transmission Fluid.

NOTE: If it is NOT the intention to change oil to cover extreme temperature variations, use only Hydraulic Fluids which meet the following specifications.

Viscosity Index

Temperature °F (°C)	-10 (-23)	100 (38)	210 (99)
Viscosity (SUS)	8000 Max.	145 - 175	47 Min.

In addition to any type of Hydraulic Transmission Fluid, the following brand names can be used:

Mobil DTE Medium - 5

Texaco Rando - B

Delta Lene Medium - 937

Shell Turbo - 29

GREASING

NOTE: Grease all fittings at the intervals of operation listed, before and after storing the unit, and as otherwise listed. Use a good grade of Lithiumbase grease.

Wipe dirt from the fittings before greasing to prevent the dirt from being forced into the Bearing or pivot. Replace any missing fittings, when noted. Force the grease into the fitting until it comes out at the Bearing Seal or at the Shaft. To minimize dirt build-up, avoid excessive greasing.

NOTE: In addition to the fittings, repack the Wheel Bearings at least once a year and the Mill/ Blower Drive Sheave Bearings every 500 hours.

Grease Fitting Locations

Grease Every 10 hours (or Daily)

- 1. Telescoping Universal Drive (3 Places)
- 2. Front Mill Bearing
- 3. Rear Mill Bearing

- 4. Conveyor Pulley Pivot
- 5. Discharge Conveyor Pop-up Cover Bearing
- 6. Transmission Main Bearing
- 7. Unloading Conveyor Pivot (2 Places)

Attachments - As Applicable

- 8. SAF Upper Pivot Bearing
- 9. SAF Lower Pivot Bearing
- 10. FR Left (Rear) Roller Bushing
- 11. FR Right (Front) Roller Bushing

Grease Each Time a Bolt is Sheared or at Least Once a Year

- 12. Auger/Transmission (Main) Shear Device
- 13. Intake Auger Shear Device



Chapter 8 – Lubrication



CHAPTER 9 SERVICE



BEFORE servicing this unit, exercise the MANDATORY SAFETY SHUTDOWN PROCE-DURE (page 10).

NOTE: The following information is referred to in both the Troubleshooting Guide and the Maintenance Schedule chapters of this manual. It should be understood that all services detailed in this chapter are Owner-Operator responsibilities. Where indicated, certain service routines should only be carried out under the direction of an authorized GEHL equipment dealer.



Fig. 42: Auger/Transmission Drive Exploded View

AUGER/TRANSMISSION (MAIN) DRIVE SHAFT & INTAKE AUGER (Fig. 42)

Removal

The following steps MUST be taken to remove the Auger/Transmission (Main) Drive Shaft & Intake Auger from the Mixer.

In the rear of the Mixer:

- 1. Loosen and remove the Transmission (Rear) Drive Chain Guard.
- 2. Release the Drive Chain Idler tension and remove the Chain.
- 3. Remove and retain the Key and Drive Sprocket from the end of the Auger/Transmission Drive Shaft.
- 4. Loosen, remove and retain the Set Collar.

In the front of the Mixer:

5. Open the large Front Guard. Remove the Guard by detaching the Hinges from the Mixer Frame.

NOTE: If the Grinder Mixer has a 1000 RPM Drive, proceed to step 6. If the Grinder Mixer has a 540 RPM Drive, it will be necessary to remove the Mill/Blower Drive Belt, to loosen the Main Drive Shaft Take-ups and to move the Mill/Blower Drive Sheave away to provide the necessary clearance for Drive Sprocket and Shear Plate removal as well as component replacement.

- 6. Release Idler tension and remove the Front Drive Chain.
- 7. Loosen and remove the Lock Nut, the Sprocket and the Shear Plate.
- 8. With the Bearing and Retainers loosened (but NOT removed), remove the Mill Bearing Cover by detaching the (4) corner fasteners.
- 9. After the Bearing Cover is removed, the Shaft and Auger assembly can be removed from the Mixer.
- 10. If one or the other component (Auger or Shaft) is being replaced, remove the Intake Auger Shear Bolt so that both parts can be separated.

Replacement

To replace the Shaft and Auger assembly, reverse the removal procedure. Preassemble the Auger and Shaft before attempting to replace them into the Mixer. Refer to the Shear Devices topic in this chapter for Shear Bolt replacement and adjustment information.

NOTE: Grease the fittings on the Shear Devices whenever they are replaced or when a bolt is replaced.

After the Shaft and Auger have been replaced and before replacing the Front Set Collar, BE SURE to rotate the assembly to insure freedom of movement and proper clearances.

Make sure that the assembly is placed all the way into the Auger Housing to insure that, before the Shear Plate is replaced, the Shoulder of the Intake Auger Shear Device is tight against the Bearing Lock Collar.

DISCHARGE CONVEYOR AUGER (Figs. 43 & 44)

The Discharge Conveyor Auger can be uncoupled from the Hydraulic Motor and removed through the Pop-up Cover end of the Conveyor. First, remove the Hose Clamp which secures the Hose which runs between the two Motors. The Clamp is located close to the Valve and should be removed to allow the Hose to be moved with the Motor. Next, remove the Nuts from the (4) Bolts which secure the Motor Mounting Plate to the bottom of the Conveyor. Then, move the Plate and Motor assembly back (an inch or two) and loosen the Square Head Set Screw which secures the Motor and Auger. Then, pry the Motor and Auger apart and provide a support for the Motor to rest on while the Auger is removed. To replace the Auger, reverse the removal procedure.

HYDRAULIC FITTINGS

NOTE: The following information gives recommendations regarding Hydraulic Fittings. It is provided for the purpose of avoiding leaky connections and to prevent stripping threads and cracking a housing while tightening fittings.

Four types of fittings are used on the Mixer for making Hydraulic connections: National Tapered Thread Pipe Fittings, National Straight Thread Pipe Fittings, Male and Female JIC Fittings, and Straight and Angled O-ring Fittings.



- 1 On-Off Valve
- 2 Discharge Conveyor
- 3 Unloading Conveyor





Fig. 44: Discharge Auger Exploded View

NOTE: Use thread sealant on all Tapered Thread Pipe Fittings. Properly apply the sealant to avoid getting it into the System.

NOTE: When making Male and Female JIC Fitting couplings, use a wrench on both Fittings.

NOTE: When installing Angled O-ring Fittings into Inlet or Outlet Ports, turn them in all the way (until they bottom-out) and then, back them out just enough to orient them in their appropriate directions. Use wrenches on both the Lock Nut and the Fittings when tightening the Lock Nut.

NOTE: Tighten Straight O-ring Fittings only as much as is needed to seal the O-ring.

HYDRAULIC RESERVOIR & FILTER (Fig. 45)

IMPORTANT: Whenever service is performed on hydraulic components (valves, cylinders, hoses, etc.) or Transmissions, **care must be taken to prevent discharging fluid onto the ground.** Catch and dispose of fluid per local waste disposal regulations.

Mixers with a Self-contained Hydraulic System have a 13 U.S. gallon Reservoir and a replaceable Oil Filter (GEHL part number 048959). Refer to the Lubrication chapter of this manual for Hydraulic System Oil recommendations. The Oil level should be checked on a routine basis every 50 hours of operation and maintained at a level of approximately 3" (76 mm) from the Filler Hole. BE SURE to avoid allowing dirt to get into the Reservoir. Replace the Oil Filter on a routine basis every 100 hours of operation, or sooner as required. To drain the Hydraulic Reservoir, the Hydraulic Line to the Pump MUST be removed. Use solvent to flush the Reservoir, if dirt accidentally gets into it.



HYDRAULIC MOTORS (Figs. 46, 47)

NOTE: All MX125 Hydraulic Motors, except the Motor on the Feed Roll Attachment, are the same size and style to facilitate switching them for troubleshooting.

IMPORTANT: Whenever service is performed on hydraulic components (valves, cylinders, hoses, etc.) or Transmissions, **care must be taken to prevent discharging fluid onto the ground.** Catch and dispose of fluid per local waste disposal regulations.

Motor size and style information is stamped on a plate (attached to the Motor) or on the base of the Motor. Refer to the information provided on the Motor for warranty, repair and service references. Before removing the Hydraulic connections to the Motor, BE SURE to note which is the Inlet and which is the Outlet Lines so that, when the Motor is replaced, it will turn in the proper direction; see the drawings provided, for details.



Fig. 46: Hydraulic Connections NOTE: Ross made for CCW rotation or Char-Lynn made for CW rotation



Fig. 47: Hydraulic Connections NOTE: Ross made for CW rotation or Char-Lynn made for CCW rotation

Chapter 9 – Service

NOTE: When replacing a Motor, BE SURE to reinstall the Mounting Spacers. Spacers are provided to allow the Motor to align with the Auger Shaft, when the Motor is secured to its mounting surface.

HYDRAULIC PUMP (Fig. 48)

The Hydraulic Pump is driven by two Belts which are linked to a Double Sheave on the end of the Main Drive Shaft. The same Pump is used on both 540 and 1000 Drive.

Sheave Alignment (Fig. 48)

The Hydraulic Pump Drive and Driven Sheaves MUST be maintained in correct alignment and be tightly secured at all times. The Drive Sheave is secured with Spacers and a Shaft End Bolt. The Driven Sheave is held onto the Shaft with Set Screws.



1 – Hydraulic Pump 2 – Pump Drive Belts

Fig. 48

Belt Tension (Fig. 49)

Hydraulic Pump Drive Belt tension is maintained by a Spring-tensioned Idler and requires NO further adjustment. The Anchor Bolt, which is used to secure the top of the Idler Tension Springs, is located in appropriate position to match the Mixer Drive RPM. BE SURE that the Anchor Bolt is kept in that position, unless the Drive is field converted. Also, BE SURE that the Idler Pulley is properly positioned to keep the Belts aligned with the Sheaves.



- 1 Idler Arm
- 2 1000 RPM Bolt Hole
- 3 Anchor Bolt in 540 RPM Position
- 4 Idler Tension Spring

Fig. 49

HYDRAULIC SHUT-OFF VALVE (Fig. 50)

The Hydraulic Shut-off Valve is the ON-OFF control for the Discharge and Unloading Conveyor Motors. The Shut-off Valve is NOT field serviceable. An E-ring Clip is provided and attached in the groove on the Valve Stem. To maintain proper Valve operation, this Clip MUST always be kept locked in position in the groove.



1 – Discharge & Unloading Conveyor On-Off Control 2 – E-Ring Clip

Fig. 50

MAIN DRIVE BEARINGS (Fig. 51)

The Mill Drive Sheave Bearings for the Main Drive Shaft are pressed on. These Bearings should be lubricated every 500 hours or at least once a year. A grease injector needle can be used to conveniently install grease into the cavity between the Bearings, after the Seal has been removed. If the Seal is damaged during removal, BE SURE to obtain and install a new (064828) Seal. Refer to the illustration provided for details.



- 1 Seal (Removed)
- 2 Main Drive Shaft
- 3 Mill/Blower Drive Sheave
- 4 Cavity
- 5 Drive Sprocket
- 6 Grease Injector Needle
- 7 Bearings

Fig. 51

NOTE: The grease injector needle MUST be purchased locally.

MILL/BLOWER DRIVE

Belt Replacement (Figs. 52 & 53)

To replace the Mill/Blower Drive Belt, perform the following steps:

- 1. Completely release Front Drive Chain tension.
- 2. Loosen the Lock Nuts on the Main Drive Shaft Take-up Bolts.
- 3. Rotate the Nut on the left Take-up Bolt counterclockwise to completely release Drive Belt tension.

- 4. After tension is completely released, the old Belt can be taken off and the new Belt can be installed.
- 5. Adjust new Belt tension following details in the Adjustment chapter of this manual. After tension is properly adjusted, connect the Front Drive Chain Idler Bracket Spring.



1 – Main Drive Shaft Belt Tension & Sheave Alignment Take-up Bolts Fig. 52

IMPORTANT: The Mill/Blower Drive Belt will deteriorate more rapidly if improper tension is applied. Improper Sheave alignment will result in uneven Belt stretch. Overtensioning the Drive Belt shortens Bearing life.



- 1 Throat Plate (Front) Mounting Screws
- 2 Mill/Blower Drive Belt
- 3 Mill/Blower Sheave Shifter Pin
- 4 Main Drive Shear Bolt (5/16 x 1, Grade 5) Fig. 53

Engaging Pin (Fig. 53)

The Pin which is used to engage or disengage the Mill/Blower Drive Sheave should be checked on a routine basis for excessive wear or improper seating. Excessive wear on the Pin or the hole in the Hub, in

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Chapter 9 – Service

which the Pin engages, could result in the Pin accidentally disengaging in the middle of Mill and Blower operation. Either component should be replaced if worn excessively.

IMPORTANT: DO NOT attempt to start the PTO until the Pin is positively engaged. Using the PTO to engage the Pin will quickly wear it out.

MILL HAMMER ROTATION OR REPLACEMENT (Figs. 54 thru 57)

To maintain maximum grinding efficiency, the Mill Hammers should be rotated before wear radius measures 1/4'' (6 mm) as shown. The Mill Hammers are designed to be conveniently removed and rotated through (4) positions, before they require replacement. All of the Hammers should be replaced when all four corners are worn to 1/4'' (6 mm) radius. A replacement set of (66) Hammers is available by ordering GEHL part number 2E34.

The Mill Cylinder contains (3) rows with (22) Hammers in each row. To remove a row of Hammers, rotate the Cylinder to the position where the row of Hammers to be removed lines up with the Access Hole in the left side of the Mill Housing. Then, with the Access Hole Cover removed, pull the Cotter Pin out of the right end of the Hammer rod and proceed to pull the Rod out through the Access Hole.



1 – 1/4" (6 mm) Wear Radius Fig. 54: Hammer Wear Detail

NOTE: It is advisable to use a catch pan, below the Rod, for the Hammers and Spacers to drop into as the Rod is being pulled-out.

Refer to the three illustrations provided for proper Hammer and Spacer sequence. BE SURE to use the appropriate illustration as a reference while replacing the Hammers and Spacers.



Fig. 55: Row 1 Hammer-Spacer Arrangement



Fig. 56: Row 2 Hammer-Spacer Arrangement



1 – Mill Throat Plate Fig. 57: Row 3 Hammer-Spacer Arrangement

IMPORTANT: Hammers and Spacers MUST be replaced in proper sequence with respect to the appropriate row on the Cylinder. It is further recommended that, when the Hammers are rotated (potentially three times), they are always rotated in the same direction so as to maintain a balanced Cylinder. Furthermore, all (3) rows of Hammers should be rotated at the same time or replaced at the same time (if all four corners are worn out).

After the Hammer Rod is replaced and all of the Hammers and Spacers have been replaced, BE SURE to secure the Rod in place with a new $3/16 \times 1-1/4''$ Cotter Pin; spread the points and bend them around the Rod. After all Hammers have been serviced, replace the Access Hole Cover.

MILL THROAT PLATE (Figs. 57 & 58 & 53)

The Mill Throat Plate is a stopping block for the Screen that MUST be properly adjusted to hold the Screen in place when the Mill Screen Cover is closed and latched. Throat Plate position is adjusted with (2) bolts on each side of the Mill Housing. Access to the bolts on the right side is gained by unlatching and lowering the large Front Shield. To make the Throat Plate adjustment, proceed as follows:

- 1. Open the Mill Screen Cover and install a Screen into the Screen Support.
- 2. Loosen, but do NOT remove the (4) adjustment bolts and position the Throat Plate toward the bottoms of their mounting slots; then, partially tighten the bolts.
- 3. Gradually and smoothly close the Mill Screen Cover while forcing the Screen against the Throat Plate.
- 4. Before latching the Cover, tightly secure the (4) adjustment bolts to lock the Throat Plate position.

NOTE: The Throat Plate position should be readjusted regularly to maintain proper Mill/Screen operation and Cover latching, and to prevent material from dropping out the bottom of the Mill.



1 – Throat Plate Adjustment Bolts Fig. 58: Throat Plate (Rear) Adjustment

MIXING AUGER & TUBE (Fig. 59)

The Mixing Auger should be centered inside the Tube at all times. Adjustment bolts are provided on the (4) Support Rods which hold the Tube for aligning the Tube and centering it around the Auger. Access to these Adjustment bolts as well as for removing the Mixing Auger is gained through the Tank Lid opening in the top of the Tank. The Auger can be removed as follows:



- 1 Filling Paddles
- 2 Bearing Bracket
- 3 Support Rod (1 of 4)
- 4 Mixing Auger Tube

Fig. 59

- 1. Open the Tank Lid and loosen and remove the top Bearing Bracket from the Tank Cover.
- 2. Loosen the Set Collar and remove the Bearing Bracket from the Auger Shaft.
- 3. Loosen and remove the (2) Filling Paddles from the Auger.
- 4. Loosen and remove the (4) Support Rods from the Tube.
- 5. Remove the Tube and then the Auger through the Tank Lid.

To replace the Mixing Auger or install a new Auger, reverse the procedure of removal. BE SURE that, after all components are replaced, the Tube is correctly centered around the Auger and that it is tightly secured.

SHEAR DEVICES

Auger/Transmission (Main) Shear Device (Figs. 42 & 53)

The Auger/Transmission Shear Device on the front end of the Auger/Transmission Drive Shaft protects the Drive Shaft, Transmission and Mixing Auger. If the Shear Bolt fails, the Intake Auger will also stop rotating. In case of an overload, the Head of the Bolt will shear off and stop Shaft rotation. To replace the Auger/Transmission (Main) Shear Bolt, proceed as follows:

IMPORTANT: BE SURE to use only a 5/16 x 1" Grade 5 Shear Bolt (stored in the bottom left corner of the large Front Cover).

- 1. Rotate (by hand) the Mill/Blower Drive Sheave (with the Shifter Pin engaged) to align the Keyhole in the Sprocket with the Slot in the Shear Plate. After proper alignment is obtained, disengage the Shifter Pin.
- 2. Turn the Lock Nut on the Shear Bolt flush and insert the Bolt Head through the Keyhole and into the Slot. Then, move the Bolt down into the narrower portion of the Keyhole.
- 3. Tighten the Lock Nut to fix the Bolt position.
- 4. Grease the Fitting on the Sprocket to prevent the mechanism from seizing.

IMPORTANT: BE SURE to remove the cause of the Shear Bolt failure before resuming operation. Also, grease the fitting on the Sprocket any time a Bolt is sheared.

Intake Auger Shear Device (Figs. 42, 53, 60 & 61)

The Intake Auger Shear Device is accessible only through the Mill. This device protects the Auger Flighting. If the Shear Bolt fails, the Intake Auger will stop rotating even though the Auger/Transmission Drive Shaft will continue to rotate.

NOTE: Even though two Shear Bolts are provided on the Shear Device, only one Bolt serves as Shear protection; the second Bolt is provided so that one of the Bolts is readily accessible for service regardless of where the Auger stops after the Bolt shears.

To readjust the Shear Bolt for the correct driving position, proceed as follows:

- 1. For access to the Shear Bolt, remove the material in the bottom of the mill.
- 2. Loosen the accessible Shear Bolt locking Nut.



1 – Intake Auger Shear Bolts Fig. 60

NOTE: If the gap between the Bolt head and the Hub of the Shear Device is less than 1/8'' (3 mm), the Bolt MUST be replaced. BE SURE to use only a $1/4 \times 1''$ Grade 5 Shear Bolt (stored in the bottom left corner of the large Front Cover).

- 3. Referring to the appropriate illustration provided, determine if (1 of the 2) cavities is positioned below the Shear Bolt by attempting to turn the Bolt. If the cavity is NOT, the Shaft will have to be rotated 90°.
- 4. With the cavity under the Shear Bolt, turn the Bolt clockwise (3) full turns or about 5/32" (8 mm). This will place Bolt in the correct driving position.



1 – Shear Bolt in "Storage" Position
2 – Cavity
3 – Shear Bolt in "Driving" Position
Fig. 61: Intake Auger Shear Device (End-View)

IMPORTANT: DO NOT turn the Shear Bolt less than or more than (3) full turns to insure the correct driving position. In addition, DO NOT readjust the other Shear Bolt. It must remain undisturbed at this time.

5. Tighten the locking Nut and BE SURE to grease the fitting on the Hub to prevent the mechanism from seizing.

After the cause of the Shear Bolt failure is corrected and the Bolt has been replaced (readjusted), BE SURE to place the Mill/Blower Shifter Pin in the disengaged position and test the Intake Auger operation before attempting to resume grinding. Intake Auger rotation can be viewed conveniently through the Concentrate Hopper.

IMPORTANT: When restarting the tractor, place the throttle at idle before engaging the PTO.

TIRES & WHEELS



Inflating or servicing tires can be dangerous. Whenever possible, trained personnel should be called to service and/or mount tires. In addition, do NOT place your fingers on the tire bead or rim during inflation; serious injury or amputation could result. In any event, to avoid possible death or serious injury, follow the safety precautions below:

- BE SURE the Rim is clean and free of rust.
- Lubricate both the tire beads and rim flanges with a soap solution. Do NOT use oil or grease.
- Use a clip-on tire chuck with a remote hose and gauge, which allows you to stand clear of the tire while inflating it.
- NEVER inflate beyond 35 PSI (240 kPa) to seat the beads. If the beads have not seated by the time the pressure reaches 35 PSI, deflate the assembly, reposition the tire on the rim, relubricate both parts and re-inflate it. Inflation pressure beyond 35 PSI with unseated beads may break the bead or rim with explosive force sufficient to cause death or serious injury.
- After seating the beads, adjust the inflation pressure to the recommended operating pressure listed.
- Do NOT weld, braze, or otherwise attempt to repair and use a damaged rim.

Check the Tire pressure after every 50 hours of operation. Tires should be inflated to 36 PSI (252 kPa). Wheel Lugs torque should also be checked after every 50 hours of operation and tightened to 90 ft-lb (124 Nm) torque.



Gehl Company does NOT sell replacement tires. In addition, tire mounting, repair and replacements should ONLY be attempted by a qualified tire manufacturer's representative or by properly trained personnel following the tire manufacturer's instructions. If you do not have such instructions, contact your tire dealer or Gehl Company.

TRANSMISSION (Fig. 42)

The MX125 Transmission can be removed from the Mixer for taking it to the dealer for internal component service.

Internal component repairs and replacements should only be attempted by (or under the direction of) an authorized GEHL equipment dealer.

To uncouple and detach the Transmission from the Mixer, first release Drive Chain tension and uncouple the Chain. Next, uncouple, remove and retain the Remote Grease Fitting Pipe Nipple. Then, remove and retain the (4) Cap Screws which secure the Transmission to the underside of the Tank Support. After service is performed, replace the Transmission in reverse order of removal. BE SURE to properly adjust Drive Chain tension following details in the Adjustments chapter.

NOTE: Check the Transmission oil level every 200 hours. Refer to the Service chapter for additional details.

UNLOADING CONVEYOR

Auger (Fig. 62)

When it becomes necessary to remove the Unloading Conveyor Auger for service or replacement, place the Conveyor in a horizontal position and lock the Brake. Proceed as follows:

- 1. Remove the nuts on the bolts which secure the Motor Mounting Plate to the Conveyor.
- 2. Pull the Motor and Plate back an inch or two to gain access for loosening the square head set screw securing the Auger to the Motor Shaft.

3. After the Auger is detached from the Motor Shaft, the Motor and Plate can be set on top of the Discharge Conveyor (with the Hoses still connected) and then the Auger can be pulled-out.

Auger replacement or new Auger installation is in reverse order of removal.



Wire Cable & Pulleys (Figs. 62 & 63)



The wire cable and pulleys used to raise and lower the unloading conveyor MUST be in good operating condition at all times. These components should be checked regularly and replaced immediately if they become worn or defective.

The Pulleys should be checked periodically and properly lubricated to insure freedom of movement. The Wire Cable should be checked for wear and fraying. A good method of checking the Cable is to use a piece of cloth. Wrap the cloth around the Cable and slide it along the Cable. If the cloth snags, the Cable is starting to deteriorate and should be replaced. When the Winch Cable is replaced, the Cable Tensioner Spring will have to be detached from the old Cable and replaced on the new Cable. Refer to the line drawing provided and mark the distance for proper Tensioner Spring Cable Clamp anchoring. Then, install the new Cable and route it in the same manner as the old Cable. After the Cable is properly routed, loosely attach the Cable Clamp. Using a gloved hand, grasp the Cable and hold tension on it while rotating the Winch crank counterclockwise to unwind the Cable from the Winch Drum and in turn, to obtain enough slack so that the Tensioner Spring can be tightly clamped at the mark on the Cable. With the Cable slack, slide the Clamp and Hook over the mark (at the 28" [710 mm] point on the Cable) and tightly secure the Clamp over the mark.



- 1 Cable Clamp & Hook
- 2 15-34" (400 mm) Relaxed & 28" (710 mm) Extended Tension Spring
- 3 Cable Loop Length of 28" (710 mm)
- 4 Pivot & Pulley Support

Fig. 63

IMPORTANT: BE SURE to check and readjust, if necessary, the position of the Hook on the Spring and the way it is attached to the Cable Clamp so there is minimum bending on the Cable when the Spring is extended.

Winch (Figs. 62 & 64)



- 1 Bronze Bushing
- 2 Stop Arm on Winch Nut
- 3 Stop Bolt
- 4 Stop Wheel
- 5 Pawl
- 6 Tension Spring
- 7 Shim Washers (As Required)
- 8 Pivot Bolt
- 9 Endplate





BEFORE servicing the winch, BE SURE the unloading conveyor is locked and secured to the transport bracket.

Chapter 9 – Service

The Winch, which raises and lowers the Unloading Conveyor, MUST be maintained in proper operating condition at all times. A drop of oil should be applied to the Bronze Bushings on a routine basis every 10 hours of operation. Condition of the Pawl and Spring should be checked every 100 hours for signs of excessive wear or breakage. The Pawl should always be centered on the Stop Wheel for positive engagement.

If the Winch is serviced and components are removed, BE SURE the Pawl is correctly centered over the Stop Wheel by adding or removing Shims on the 5/8" Pivot Bolt.

The Stop Arm, on the Winch Nut, hits against a Stop

Bolt, on the Winch Side Plate, when the Winch Crank is still being turned, after the Conveyor comes to rest. This prevents the Cable from unraveling from the Drum. Position the Stop Bolt so that the Arm just clears while cranking the Conveyor up. Access to the Winch components is gained by removing the Plate on the top of the Winch Housing. To remove the Winch components, the Endplate will have to be removed.

NOTE: Whenever any service is performed on the Winch that involves removal of the Plate, the Cable should be observed to insure that it is wound on the Drum evenly.

CHAPTER 10 PREPARING FOR FIELD OPERATION

TRACTOR CONNECTIONS (Figs. 65 & 66)

NOTE: To prolong the life of the Drive Line components, always maintain a straight alignment between the Mixer and the tractor.

Refer to the illustrations provided, for alignment details and appropriate tractor PTO shaft, tractor drawbar and ground clearance dimensions related to either 540 or 1000 RPM tractors and Mixer Drives.

After the Mixer is hooked up to the tractor drawbar, raise the Telescoping Drive from its Storage Hook on the Mixer Frame and lock it onto the tractor PTO shaft.



BE SURE the locking couplers on both ends of the telescoping PTO drive are properly engaged BEFORE starting the tractor. Also, BE SURE that the telescoping PTO drive shield turns freely BEFORE starting the tractor.







- 1 Tractor PTO Shaft*
- 2 15-1/2" (394 mm) for 540 RPM or 17" (432 mm) for 1000 RPM
- 3 6 to 12" (150 to 300 mm) 8" (203 mm) Standard* 4 13 to 17" (330 to 432 mm)
- 5 Tractor Drawbar
- 6 Locking Hitchpin

*Tractor MUST comply with ASAE Standard S203 Fig. 66

PREPARING MIXER

NOTE: *Make sure entire unit is properly* lubricated and check and replenish Transmission and Hydraulic Reservoir (as applicable) oil levels, before operating the Mixer. Also, make sure Drain Plugs are installed and secured.

Install the appropriate hole-sized Screen into the Mill, following procedures outlined in the Operation chapter of this manual.



BE SURE the mill screen cover is closed and properly latched BEFORE starting the tractor. Also, BE SURE all guards and shields are properly secured in place BEFORE starting the tractor.

Before starting to grind, make sure the NOTE: Tank Lid is closed, the Discharge Chute is closed and the Collector Cover is open.

Start the tractor engine, engage the PTO at slow speed and gradually increase speed until the Mill is running at the rated speed. Proceed to grind.

CHAPTER 11 TRANSPORTING

SMV EMBLEM & REFLECTORS (Fig. 67)

The Mixer is provided with a Slow-moving Vehicle Emblem Mounting Bracket welded to the back of the Tank; the SMV Emblem MUST be purchased locally. Because of variations in safety laws for different states and localities, it may be necessary to use a different location for displaying the SMV Emblem. Your GEHL Dealer can aid you in installing a different Emblem Mounting Bracket (if required). Red Reflector Strips are also provided at the rear corners of the Mixer.



1 – Red Reflector Strip 2 – SMV Emblem Mounting Bracket Fig. 67

SAFETY CHAIN & AUXILIARY LIGHTING (Fig. 68)



- 1 Safety Chain Secured in Hole in Mixer Frame
- 2 Locking Hitchpin
- 3 Safety Chain Secured Around Tractor Frame Fig. 68



ALWAYS follow state and local regulations regarding safety chain and auxiliary lighting when towing farm equipment on public highways! Laws vary from state to state; BE SURE to check with local law enforcement agencies for your own particular regulations. NEVER transport the Mixer at speeds greater than 20 mph (32 km/h). BE SURE the unloading conveyor and the swinging auger feeder (if provided) are properly locked into their transport positions before transporting the Grinder Mixer.

As required or when desired, the Mixer can be equipped with a Safety Chain for operation on public highways. The Safety Chain, when attached in this manner, has the following characteristics:

- 1. Chain is sufficiently slack to allow turns and movements of either the tractor or the farm implement, without placing tension on Chain.
- 2. Chain is sufficiently short to prevent implement drawbar or tongue from contacting the ground if implement unexpectedly uncouples from towing vehicle. Dragging the implement drawbar on the pavement would cause a loss of stability of both the implement and the towing vehicle.
- 3. Chain is of sufficient strength to hold the decoupled implement (and its load) and tow it to the shoulder.

TOWING ON HIGHWAY



Good safety practice dictates that you NEVER tow an implement without brakes unless the towing vehicle weighs at least one-and-one half (1-1/2) times the weight of the towed implement and its load. For any public highway travel and to be in compliance with this rule, BE SURE that your tractor is heavy enough to counterbalance the weight of the loaded Mixer. To view beyond the back of the Mixer, when transporting the unit on a public highway, consider obtaining and installing a rear view mirror on your tractor with a wide load mounting bracket.

TRANSPORT LIGHTING

An accessory Highway Transport Lighting Kit is available for the Mixer if it is going to be transported on a public highway. The Kit includes Lights, Wiring Harness and installation instructions.

CHAPTER 12 STORAGE

Because a Mixer is a year-round implement, it should be maintained in ready-to-operate condition at all times. Several provisions have been designed into the Mixer for protection of the unit against the weather.

DRAIN PLUGS

All Mixers are furnished with Water Drain Plugs into area; under the Auger/Drive Shaft and under the Infeed Hopper on Mixers equipped with a Swinging Auger Feeder Attachment. A Water Drain and Slot Cover is also provided in the bottom end of the Unloading Conveyor below the Motor. Before operating the Mixer after a rain, the Plug should be removed to drain water which may have accumulated.

WEATHER COVER

Various Lids, Covers and Rubber Flaps are used to prevent weather from getting into the Mixer. The Mill Hopper, on Mixers equipped with a Swinging Auger Feeder Attachment, is provided with a Weather Cover to protect the opening into the Mill.

NOTE: Before operating the Mixer after a rain, check the several vulnerable areas for water accumulation. As necessary, drain the water before using the Mixer.

CHAPTER 13 TROUBLESHOOTING

NOTE: This Troubleshooting guide presents problems, causes and suggested remedies beyond the extent of loose, worn or missing parts and it was developed with the understanding that the machine is in otherwise good operating condition. Refer to the index at the back of this manual for Chapter and Topic page references. BE SURE to exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10), BEFORE making any adjustments or repairs.

PROBLEM	CAUSE	REMEDY
Power Shaft vibrates	Improper tractor hook-up.	Adjust hook-up.
excessively.	Tractor being operated at an angle.	Align tractor straight-away with Mixer.
	Power Shaft bent.	Replace Power Shaft.
	Power Shaft Bearings worn.	Replace Bearings.
Mill does NOT turn.	Pin NOT engaged (improperly engaged).	Correctly engage Pin
	Mill/Blower Drive Belt slipping.	Readjust Belt tension.
Mixing Auger NOT turning.	Transmission Shear Bolt sheared.	Replace Bolt and correct cause of Bolt failure.
	Front Drive Chain disconnected.	Repair or replace Chain.
	Transmission (Rear) Drive Chain disconnected.	Repair or replace Chain.
	Sprocket Key(s) sheared.	Replace Key(s).
	Transmission Gear Key(s) sheared.	Replace Key(s).
	Broken Shaft(s).	Replace Shaft(s).
Intake Auger NOT turning.	Intake Auger Shear Bolt sheared.	Replace Bolt and correct cause of Bolt failure.
	Front Drive Chain is broken or disconnected.	Repair or replace Chain.

MILL & MIXER DRIVE

	=	
Decreased or very low capacity.	Mill Cylinder NOT operating at 2700 RPM.	Adjust tractor throttle for proper RPM.
	Mill Cylinder loses speed when loaded.	Readjust Mill/Blower Sheave alignment and Drive Belt tension.
	Screen badly worn.	Remove and rotate or replace.
	Hammers worn.	Remove and rotate or replace (if all sides worn).
	Blower Inlet plugged.	Check and unplug.
	Mill plugged beneath Screen.	Unplug Mill and replace or adjust Shear Bolt, if necessary.
Excess vibration	Uneven flow of grain into the Mill.	Eliminate "surging of grain" into the Mill as much as possible.
	Excess RPM.	Recommended operation 540 RPM.
	Mill bearings worn or defective.	Replace Bearings.
	Hammers broken or missing.	Replace Hammers.
	Blower unbalanced.	Remove, balance and replace.
	Cylinder Plate Clamping Nut loose.	Retighten Clamping Nut.
	Cylinder unbalanced.	Remove, balance and replace.
Excessive dust.	Blower Inlet plugged.	Check and unplug.
	Collector covered.	Uncover Collector while operating.
Material NOT being ground to desired fineness.	Incorrect Screen being used.	Select and use appropriate size Screen.
	Mill speed too high or too low.	Adjust tractor throttle for proper RPM.
Material blocking in Mill Hopper.	Mixer sloping towards feeding side.	Reposition Mixer on level ground.
	Material too damp.	Adjust slope or use Feed Roll.
	Material too light or bulky.	Adjust slope or use Feed Roll.
	Feed Roll NOT turning.	Troubleshoot Hydraulic circuit to Motor.
	Feed Roll too low.	Adjust Feed Roll height.

MILL

PROBLEM	CAUSE	REMEDY	
Ground material NOT mixing properly.	Ground material bridging in Tank.	Sequence of adding material improper.	
	Roughage NOT ground fine enough.	Use a smaller sized hole screen.	
	Improper proportion of roughage.	Adjust percentage of roughage.	
	Mixer NOT on level ground.	Move to level ground.	
	Too much liquid being added.	Reduce amount of liquid for amount of material in the tank.	
	Discharge Chute open when starting to mix.	Return the first portion of the unloaded feed back into the Mixing Tank and BE SURE the Discharge Chute is closed.	
Ground feed spilling out of Tank Lid.	Tank filled too full.	Cease grinding when material drops on top of Windows.	
	Tank Lid NOT closed and latched properly.	Clean around Lid opening and re-adjust Latches, if necessary.	
UNLOADING			
Discharge and Unloading Augers NOT turning.	Snap Ring out of groove on Control Valve Spool.	Replace Snap Ring.	
	Material plugging Auger.	Remove plugging.	
	Ice frozen in Auger.	Remove ice.	
Difficulty experienced in engaging or disengaging Control Valve.	Control Valve Spool defective.	Replace Control Valve.	
Tank NOT unloading.	Bridging in the Tank.	Shut off Mixer and break up bridging by probing through Clean-out Cover.	
Tank unloads too slow.	Discharge Slide NOT open enough.	Open up more as required.	
	Paddle at lower end of Mixing Auger is worn.	Replace Paddle.	
Discharge Slide does NOT stay open or opens with great difficulty.	Crank mechanism incorrectly adjusted.	Readjust Crank mechanism.	
	Crank bowed in area of Sprocket.	Straighten or replace Crank.	
Unloading Conveyor does NOT	Brake adjusted too tight.	Readjust Brake.	
	Pivot plugged with dirt or debris.	Clean and lubricate mechanism.	

MIXING

PROBLEM	CAUSE	REMEDY
Winch Handle free-wheels and lowers Unloading Conveyor by itself.	Friction Pads improperly adjusted.	Reposition Pads.
	Friction Pads glazed.	Remove glaze with fine sandpaper or emery cloth.
	Friction Pads contaminated with oil.	Dry off Pads.
	Pawl Spring broken.	Replace Spring.
Winch Handle cranks hard while	Friction Pads are frayed or wet.	Replace Pads or allow to dry out.
lowering Unloading Conveyor.	Chain dry or stiff.	Lubricate Chain and check for free movement; replace if still stiff.

UNLOADING (cont.)

NOTE: In troubleshooting a pump-motor system, it is necessary to isolate the pump from the motor to determine which unit is actually malfunctioning. A worn pump or worn motor will both give the same system indication. Therefore, it is advisable to first run a pressure and flow check on the pump to make sure that it is performing within its operating specifications. The following troubleshooting suggestions are based on the assumption that the pump has been flow and pressure checked and found to be within operating specifications. Check oil flow at PTO speed. Flow should be 9.2 GPM at 1000 PSI. Relief valve pressure should be 2000 PSI. After completing the above test, proceed to the following troubleshooting section. BE SURE to exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10), BEFORE making any adjustments or repairs.

Discharge and Unloading Augers NOT turning.	Selector Valve in OFF position.	Move to ON position.
	Pump defective.	Replace Pump.
	Pressure too low.	Check for restriction in Hydraulic lines.
	Motor defective.	Repair or replace.
Auger rotating in wrong direction.	Hose connections crossed.	Switch Hose connections to change direction of rotation.
Difficulty experienced in engaging or disengaging Control Valve.	Control Valve Spool defective.	Replace Control Valve.
Pump does NOT turn.	Belt out of grooves.	Realign Sheaves and readjust Belt tension. Replace Belt if worn.
	Belt NOT properly tensioned.	Tension Spring missing or Idler improperly positioned.
	Pump defective.	Check oil flow and replace Pump if necessary.
	Return line blocked or restricted.	Remove blockage and replace oil if dirty.
Pump squeals during start-up.	Oil too heavy.	Allow oil to warm up longer or switch to lighter oil.
	Level too low in Reservoir.	Add oil to bring level to within 3" of top.

HYDRAULICS

PROBLEM	CAUSE	REMEDY
Augers operating too slow.	Improper oil flow.	Check Pump output pressure as applicable.
	Plugged Oil Filter.	Replace Filter.
	Pump defective.	Replace Pump.
	Control Valve NOT fully open.	Check and correct Spool travel.
	Motor defective.	Repair or replace Motor.
	Oil too thin.	Replace with heavier oil.
	Oil shortage to the Pump.	Clean oil line to the Pump and/or add oil to the Reservoir.
Tank unloads too slow.	Insufficien oil flow to Motors.	Increase tractor throttle speed.
	Plugged Oil Filter.	Replace Filter.
	Faulty connection to Motor.	Check and correct connection.
	Pump defective.	Replace Pump.
	Oil too thin.	Replace with heavier oil.
	Motor defective.	Repair or replace Motor.
	Oil shortage to the Pump.	Clean oil line to the Pump and/or add oil to the Reservoir.
Discharge Auger operating slower than Unloading Auger or vise versa.	Oil pressure too low.	Check and adjust system pressure.
	One or other Motor worn.	Repair or replace Motor.
	Interconnecting Hoses kinked.	Straighten Hoses.
	One or other Auger partially plugged causing greater Motor power consumption.	Remove restriction in either Auger.
	If Discharge Auger is slower than Unloading Auger, Discharge Chute possibly open too far.	Adjust Sliding Plate position to restrict Discharge Chute opening.
None of the Motors operating.	Pump NOT being driven.	Check Sheaves and Belt for malfunction.
	Pump defective.	Replace Pump.
	Relief Valve NOT passing flow.	Check pressure and replace Valve, if defective.
Feeder Attachment will NOT operate.	Variable Speed Control Valve in OFF position.	Move Control to full open and check mechanical linkage.
	Variable Speed Control Valve malfunctioning.	Check pressure to Valve and determine if defective.
Feeder Auger turns in wrong direction.	Motor connections crossed.	Switch Hose connections to change direction of Motor rotation.

HYDRAULICS (cont.)

	CALISE	REMEDY
Feeder Auger turns too slow.	Excessively wet or fine grain.	and the finer the moisture content, and the finer the grain, the more power required to convey it through an auger. Adjust the flow control valve to allow more oil to flow to the hydraulic motor.
	Oil shortage to the Pump.	Clean oil line to the Pump and/or add oil to the Reservoir.
	Relief pressure too low.	Check and correct pressure.
	Pump defective.	Replace Pump.
	Motor defective.	Repair or replace Motor.
	Insufficient oil flow.	Check Pump output pressure and adjust Belt tension or increase PTO speed.
	Snap Ring out of groove on Control Valve Spool.	Replace Snap Ring.
	Auger partially plugged.	Remove plugging material.
	Control Valve NOT functioning properly.	Check and replace Valve, if necessary.
Feed Roll turns in wrong direction.	Motor connections crossed.	Switch Hose connections to change direction of Motor rotation.
Feed Roll stops when loaded.	Relief pressure too low.	Check pressure.
	Feed Roll plugged.	Shut tractor off and disconnect PTO and remove plugging.
Feed Roll turns slow or NOT at all.	Key missing from Drive coupling.	Replace Key.
	Hoses kinked or blocked.	Straighten Hoses or replace dirty oil in Reservoir.
	Oil shortage to the Pump.	Clean oil line to the Pump and/or add oil to the Reservoir.
	Control Valve NOT functioning properly.	Check and replace Valve, if necessary.
	Pump defective.	Replace Pump
	Motor defective.	Repair or replace Motor.
	Feed Roll partially plugged.	Remove plugging.
	Relief pressure too low.	Check and correct pressure.

HYDRAULICS (cont.)
CHAPTER 14 SET-UP & ASSEMBLY

WHEELS & TIRES

The Mixer is shipped from the factory without Wheels and Tires mounted. Install the Tires and Rims; torque the Wheel Nuts to 90 ft-lb (124 N-m). Inflate the 11L x 15 Tires to 36 PSIG (252 kPa).

DRAIN PLUGS & DRAIN COVER

When the Mixer is delivered, a bag of hardware, containing (2) Drain Plugs and the Wheel Bolts, is wired to the Concentrate Hopper Guard. Remove the bag and install one of the Drain Plugs in the Water Drain Hole in the base of the Concentrate Hopper. If the Mixer is equipped with an SAF, install the other Drain Plug in the Drain Hole in the bottom of the SAF Trough Hopper.

IMPORTANT: The Water Drain Holes and Drain Cover, on the end of the Unloading Conveyor, should be left unplugged or uncovered to release water build-up which might occur if the Mixer is stored outside. Before the Mixer is going to be operated, BE SURE to install the Plugs and close the Cover.



NEVER open or plug the water drain holes with the Mixer running.

NOTE: If unit is equipped with Electronic Scale, unpackage and install Scale unit. Refer to separate Scale manual for additional details.

CHAPTER 15 OPTIONAL FEATURES & ACCESSORIES

NOTE: Most of the Optional Features & Accessories, listed in this chapter, are shipped with separate instructions for installation.

DOUBLE BAGGER ATTACHMENT (Fig. 69)

A Double Bagger Attachment (801666) is available for field installation onto the end of the Unloading Conveyor. Installation instructions are packaged with the Kit of parts.





ELECTRONIC SCALES & COMPONENTS

Most of the Optional Features & Accessories, listed in this chapter, are shipped with separate instructions for installation.

Model 1500 Scale Kits

The Model 1500 Scale Indicator Kit consists of (2) Axle/Weighbars with Hubs, a Drawbar/Weighbar, the

Scale Indicator, mounting hardware and interconnection wiring. Mounting, wiring and operation details are provided in a separate manual which is packaged with the Scale unit.

Model 2100 Scale Kits

The Model 2100 Scale Indicator Kit consists of (2) Axle/Weighbars with Hubs, a Drawbar/Weighbar, the Scale Indicator, mounting hardware and interconnection wiring. Mounting, wiring and operation details are provided in a separate manual packaged with the Scale unit.

Model 3200 Scale Kits

The Model 3200 Scale Indicator Kit consists of (2) Axle/Weighbars with Hubs, a Drawbar/Weighbar, the Scale Indicator, mounting hardware and interconnection wiring. Mounting, wiring and operation details are provided in a separate manual packaged with the Scale unit.

Audible Alarm Kit (Fig. 70)

An Audible Alarm Kit (804777) is available and composed of a plug-in Horn and Cord arrangement. The Horn unit has a built-in mounting bracket.



1 – Accessory Audible Alarm (Installed) Fig. 70

907585/AP0499

Visual Alarm Kit (Fig. 71)

A Visual Alarm Kit (804778) is available for the Model 2100 or 3200 Scale only.



1 – Accessory Visual Alarm (Installed) Fig. 71

Scale Battery Kit (Fig. 72)

A Scale Battery Mounting Kit (801786) is available and consists of a Battery Base, Battery Hold-downs, a Ground Cable, a Marine-type Terminal and attaching hardware. The Kit is available for installation on a Mixer to provide a self-contained Weigh Scale system in lieu of using the tractor electrical system to power the Scale. The 12 volt D.C. wet cell battery (Group 22F or Group 24) MUST be purchased locally. Installation instructions are packaged with the kit of parts.



Fig. 72

FEEDER ATTACHMENTS

Feed Roll Feeders

A Feed Roll Feeder Attachment (802619) is available and designed for field conversion of an existing Swinging Auger Feeder feeding system to a combination feeding system.

A Feed Roll Feeder Attachment (801792) is also available and designed for field conversion of an existing Gravity Feeder feeding system to a Feed Roll feeding system.

Swinging Auger Feeders

A Swinging Auger Feeder Attachment (802620) is available and designed for field conversion of an existing Feed Roll Feeder feeding system to a combination feeding system.

A Swinging Auger Feeder Attachment (802618) is also available and designed for field conversion of an existing Gravity Feeder feeding system to a Swinging Auger feeding system.

FENDER SET

A Fender Set (801601) is available and consists of (2) Fenders, (2) Fender Support Angles and attaching hardware. Installation instruction are packaged with the Kit of parts.

PIVOT BRAKE KIT FOR UNLOADING CONVEYOR EXTENSIONS

A Pivot Brake Kit (074799) is available to provide an additional pivot brake for a manually pivoted Mixer Unloading Conveyor that has been equipped with a Conveyor Extension.

SAFETY CHAIN (Fig. 73)

NOTE: If the Mixer is going to be transported on a public highway, a Safety Chain should be obtained and installed per details in the Transporting chapter.

An appropriately-sized Safety Chain is available to accommodate the potential weight of the Mixer and its load by GEHL Stock number 142965.



- 1 Safety Chain Secured in Hole in Mixer Frame
- 2 Locking Hitchpin
- 3 Safety Chain Secured Around Tractor Frame Fig. 73

SCREENS (Fig. 74)

In addition to the two Screens, which are available (customer selected) and included with the Mixer, all of the following Screens are available. Size = Hole Diameter in Inches.

Size	Part No.	Size	Part No.	Size	Part No.	Size	Part No.
3/32	045955	1/4	040108	1/2	040111	1	040113
1/8	040106	5/16	040109	5/8	040735	1-1/4	040114
3/16	040107	3/8	040110	3/4	040112	1-1/2	040115
						2	040116





SHEAR BOLTS

A $5/16 \times 1''$ Grade 5 Shear Bolt is used to provide overload protection on the Auger/Transmission (Main) Drive Shaft and Transmission and a $1/4 \times 1''$ Grade 5 Shear Bolt is used to provide overload protection on the Intake Auger. For replacement of the Auger/ Transmission Shear Bolts, order Kit 902422 containing (8) $5/16 \times 1''$ Shear Bolts and Locknuts and, for replacement of the Intake Auger Shear Bolts, order Kit 902447 containing (8) $1/4 \times 1''$ Shear Bolts and Nuts.

UNLOADING CONVEYOR EXTENSIONS



Both the 3-foot stationary and the 4-foot or 7-1/2-foot folding unloading conveyor extensions are ONLY intended to be installed onto the end of the unloading conveyor and are NOT to be mounted to each other.

3-Foot Stationary Extension

The 3-foot Stationary Unloading Conveyor Extension Kit (803425) consists of a 3-foot length of Conveyor which can be attached to the end of the base Unloading Conveyor, extending the unit to 15 feet. Installation instructions are packaged with the Kit of parts. **NOTE:** BE SURE to check the transport height and tractor cab clearance of the extended Unloading Conveyor BEFORE operating the extended Conveyor.

4-Foot Folding Extensions

The 4-foot Folding Unloading Conveyor Extension Kit (803419) consists of a 4-foot length of Conveyor which is attached on a pivoting Mounting Bracket to the end of the base Unloading Conveyor. Installation instructions are packaged with the Kit of parts.

NOTE: The Folding Conveyor MUST be folded back and locked in position for transport.

7-1/2-Foot Folding Extension

The 7-1/2-foot Folding Unloading Conveyor Extension Kit (803422) consists of a 7-1/2-foot length of Conveyor which is attached on a pivoting Mounting Bracket to the end of the base Unloading Conveyor. Installation instructions are packaged with the Kit of parts.

NOTE: The Folding Conveyor MUST be folded back and locked in position for transport. A 1-foot Stationary Extension (803424) is also available for attachment to the 7-1/2-foot Folding Conveyor to further increase the length of the Extension when the Mixer is equipped with Electric Remote Unloading Conveyor Controls.

UNLOADING CONVEYOR REMOTE CONTROL

An accessory Unloading Conveyor Remote Control package (803423) is available for repositioning the Unloading Conveyor from the tractor seat. The Remote Control consists of a Control Box for the tractor, two 12 volt D.C. Motors and Drive Mechanisms for the Winch and Pivot assemblies, mounting hardware and interconnection wiring. Field mounting details are provided with the package of parts.

AUXILIARY REMOTE CONTROL

An Auxiliary Remote Control Kit (802558) is also available and can only be adapted to a Mixer which is already equipped with an accessory Electric Remote Control package for the Unloading Conveyor. The Auxiliary Remote Control enables regulating the Unloading Conveyor movements at the Mixer (with the Auxiliary Control Box) as well as from the tractor seat (with the primary Control Box). Installation instructions are packaged with the Kit of parts.

CHAPTER 16 DECAL LOCATIONS

610240

GENERAL INFORMATION

Decal Locations information is provided to assist in the proper selection and application of new decals, in the event the original decal(s) become(s) damaged or the machine is repainted. Refer to the listing for the illustration reference number, part number, description and quantity of each decal provided in the Kit. Refer to the appropriate illustration(s) for replacement location(s).

NOTE: Refer to the SAFETY Chapter of the Operator's Manual for the specific information provided on all of the various Safety Decals furnished in the Decal Kit(s).

To ensure proper selection for correct replacement decal(s), compare all of the various close-up location drawings to your machine BEFORE starting to refinish the unit. Then, circle each pictured decal (applicable to your machine) while checking off its part number in the listing. After you have verified all the decals needed for replacement, set aside unneeded decals for disposal.

NEW DECAL APPLICATION

Surfaces MUST be free from dirt, dust, grease and other foreign material before applying the new decal. To apply a solid-formed decal, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Slowly peel off the other portion of the backing paper while applying hand pressure to smooth out the decal surface.



ALWAYS follow safety precautions on decals. If decals become damaged, or if the unit is repainted, replace the decals. If repainting, BE SURE ALL decals that apply to your machine are properly affixed in their proper locations.

PAINT NOTICE

Use this list to order paint for refinishing machines with agricultural red and grey color scheme:

906315	One Gal. AG Red				
902872	One Qt. Light Grey				
906316	6 (12 oz. Spray Cans) AG Red				
902874	6 (12 oz. Spray Cans) Light Grey				
Use this list to order paint for refinishing machines with blaze red and maize (yellow) color scheme:					
901225	One Gal. Blaze Paint				
901226	One Gal. Maize Paint				
610230	6 (12 oz. Sprav Cans) Blaze Paint				

The Decal Set Number for the MX125 Mixer is 112419. The Set includes the following:

6 (12 oz. Spray Cans) Maize Paint

Ref.	Part	
NO.	NO.	Description & Quantity
01	064873	Wide Friction Surface Strip (2 Places)
02	064874	Narrow Friction Surface Strip (4 Places)
03	065006	Valve ON-OFF
04	065008	Collector OPEN-CLOSED
05	065009	Front Crank OPEN-CLOSED
06	065010	Rear Crank CLOSED-OPEN
07	065011	Belt Tension Adjustment
80	065012	Brake Engagement
09	067493	Red Reflector Strip (2 Places)
10	069080	Auger Drive Shear Bolts
11	069081	Main Drive Shear Bolts
12	069240	Feed Capacity Chart
13	069251	Patent - (Replace if desired) Not Shown
14	072313	Decal - Filter (less Gauge) Use
15	074695	Wiring Diagram (Remote Controls) <u>Not Shown</u>
16	091444	DANGER - Rotating Drive Line
17	093020	Lubrication Symbol (6 Places; 1 location <u>Not Shown</u> on Remote Controls)
18	093202	DANGER - Avoid Electrical Contact
19	093365	WARNING - Close or Replace Guard (6 Places; 2 locations <u>Not Shown</u> on Remote Controls)
20	093366	IMPORTANT - Store Manual Here
21	093367	WARNING - Owner's Responsibility & Read Manual
22	093373	WARNING - General Safety Precautions
23	093374	WARNING - Highway Towing Precautions
24	093376	WARNING - Keep Hands Out (3 Places)

Ref. No.	Part No.	Description & Quantity
25	093378	DANGER - Rotating Components
26	093436	WARNING - Implement Hitchpin
27	093466	WARNING - 540 RPM Operation Only
	093465	WARNING - 1000 RPM Operation Only
28	093490	WARNING - Transport Latch Pin (4 & 7-1/2-ft. Extensions)
29	093491	WARNING - Winch Brake
30	093492	WARNING - Clutch Pin Engagement

- 093493 WARNING Sheave Identification
- 093494 WARNING Transport Latch Pin
- 093495 WARNING Do NOT Combine with 7-1/2 ft. Extension (3-ft. Conveyor Extension)
- 093653 WARNING Rotating Drive Line
- 35 094226 Mixer Instructions
- 36 112369 Grinder Mixer

31

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- 112370 125 Colorbar (2 Places)
- 38 112373 GEHL Mix-All (2 Places)
 - 126757 Stripe



NOTE:This list is a repeat of the Decal List on19a previous page and is provided for yourconvenience when selecting Decals from the20second page of illustrations.21

secc	na page	or mustrations.	21	093367	WARNING - Owner's Responsibility
Ref. No.	Part No.	Description & Quantity	22	093373	WARNING - General Safety Precautions
01	064873	Wide Friction Surface Strip (2 Places)	23	093374	WARNING - Highway Towing Precautions
02	064874	Narrow Friction Surface Strip (4 Places)	24	093376	WARNING - Keep Hands Out (3 Places)
03	065006	Valve ON-OFF	25	093378	DANGER - Rotating Components
04	065008	Collector OPEN-CLOSED	26	093436	WARNING - Implement Hitchpin
05	065009	Front Crank OPEN-CLOSED	27	093466	WARNING - 540 RPM Operation Only
06	065010	Rear Crank CLOSED-OPEN		093465	WARNING - 1000 RPM Operation Only
07 08	065011 065012	Belt Tension Adjustment Brake Engagement	28	093490	WARNING - Transport Latch Pin (4 & 7-1/2-ft. Extensions)
09	067493	Red Reflector Strip (2 Places)	29	093491	WARNING - Winch Brake
10	069080	Auger Drive Shear Bolts	30	093492	WARNING - Clutch Pin Engagement
11	069081	Main Drive Shear Bolts	31	093493	WARNING - Sheave Identification
12	069240	Feed Capacity Chart	32	093494	WARNING - Transport Latch Pin
13 14	069251 072313	Patent - (Replace if desired) <u>Not Shown</u> Decal - Filter (less Gauge) Use	33	093495	WARNING - Do NOT Combine with 7-1/2 ft. Extension (3-ft. Conveyor Extension)
15	07/695	Wiring Diagram (Remote Controls)	34	093653	WARNING - Rotating Drive Line
10	07-035	Not Shown	35	094226	Mixer Instructions
16	091444	DANGER - Rotating Drive Line	36	112369	Grinder Mixer
17	093020	Lubrication Symbol (6 Places; 1 location	37	112370	125 Colorbar (2 Places)
		Not Shown on Remote Controls)	38	112373	GEHL Mix-All (2 Places)
18	093202	DANGER - Avoid Electrical Contact	39	126757	Stripe

093365

093366

WARNING - Close or Replace Guard

(6 Places; 2 locations <u>Not Shown</u> on Remote Controls)

IMPORTANT - Store Manual Here



NOTE:This list is a repeat of the Decal List on19a previous page and is provided for yourconvenience when selecting Decals from the20second page of illustrations.21

seco	ond page	of illustrations.	21	093367	WARNING - Owner's Responsibility
Ref.	Part No	Description & Quantity	22	093373	& Read Manual WARNING - General Safety Precautions
01	064873	Wide Friction Surface Strip (2 Places)	23	093374	WARNING - Highway Towing Precautions
02	064874	Narrow Friction Surface Strip (4 Places)	24	093376	WARNING - Keep Hands Out (3 Places)
03	065006	Valve ON-OFF	25	093378	DANGER - Rotating Components
04	065008	Collector OPEN-CLOSED	26	093436	WARNING - Implement Hitchpin
05	065009	Front Crank OPEN-CLOSED	27	093466	WARNING - 540 RPM Operation Only
06	065010	Rear Crank CLOSED-OPEN		093465	WARNING - 1000 RPM Operation Only
07 08	065011 065012	Belt Tension Adjustment Brake Engagement	28	093490	WARNING - Transport Latch Pin (4 & 7-1/2-ft. Extensions)
09	067493	Red Reflector Strip (2 Places)	29	093491	WARNING - Winch Brake
10	069080	Auger Drive Shear Bolts	30	093492	WARNING - Clutch Pin Engagement
11	069081	Main Drive Shear Bolts	31	093493	WARNING - Sheave Identification
12	069240	Feed Capacity Chart	32	093494	WARNING - Transport Latch Pin
13 14	069251 072313	Patent - (Replace if desired) <u>Not Shown</u>	33	093495	WARNING - Do NOT Combine with 7-1/2 ft. Extension (3-ft. Conveyor Extension)
15	074695	Wiring Diagram (Remote Controls)	34	093653	WARNING - Rotating Drive Line
10	07-000	Not Shown	35	094226	Mixer Instructions
16	091444	DANGER - Rotating Drive Line	36	112369	Grinder Mixer
17	093020	Lubrication Symbol (6 Places; 1 location	37	112370	125 Colorbar (2 Places)
		Not Shown on Remote Controls)	38	112373	GEHL Mix-All (2 Places)
18	093202	DANGER - Avoid Electrical Contact	39	126757	Stripe

093365

WARNING - Close or Replace Guard

(6 Places; 2 locations Not Shown

on Remote Controls)

093366 IMPORTANT - Store Manual Here



NOTE: This list is a repeat of the Decal List on a previous page and is provided for your convenience when selecting Decals from this page of illustrations.

page	e or illustra	ations.	21	093367	WARNING - Owner's Responsibility & Read Manual
Ref. No.	Part No.	Description & Quantity	22	093373	WARNING - General Safety Precautions
01	064873	Wide Friction Surface Strip (2 Places)	23	093374	WARNING - Highway Towing Precautions
02	064874	Narrow Friction Surface Strip (4 Places)	24	093376	WARNING - Keep Hands Out (3 Places)
03	065006		25	093378	DANGER - Rotating Components
04	065008	Collector OPEN-CLOSED	26	093436	WARNING - Implement Hitchpin
05	065009	Front Crank OPEN-CLOSED	27	093466	WARNING - 540 RPM Operation Only
06	065010	Rear Crank CLOSED-OPEN		093465	WARNING - 1000 RPM Operation Only
07 08	065011 065012	Belt Tension Adjustment Brake Engagement	28	093490	WARNING - Transport Latch Pin (4 & 7-1/2-ft. Extensions)
09	067493	Red Reflector Strip (2 Places)	29	093491	WARNING - Winch Brake
10	069080	Auger Drive Shear Bolts	30	093492	WARNING - Clutch Pin Engagement
11	069081	Main Drive Shear Bolts	31	093493	WARNING - Sheave Identification
12	069240	Feed Capacity Chart	32	093494	WARNING - Transport Latch Pin
13 14	069251 072313	Patent - (Replace if desired) <u>Not Shown</u> Decal - Filter (less Gauge) Use	33	093495	WARNING - Do NOT Combine with 7-1/2 ft. Extension (3-ft. Conveyor Extension)
15	07/605	Wiring Diagram (Remote Controls)	34	093653	WARNING - Rotating Drive Line
15	074035	Not Shown	35	094226	Mixer Instructions
16	091444	DANGER - Rotating Drive Line	36	112369	Grinder Mixer
17	093020	Lubrication Symbol (6 Places; 1 location	37	112370	125 Colorbar (2 Places)
		Not Shown on Remote Controls)	38	112373	GEHL Mix-All (2 Places)
18	093202	DANGER - Avoid Electrical Contact	39	126757	Stripe

093365

093366

19

20

WARNING - Close or Replace Guard

(6 Places; 2 locations Not Shown

IMPORTANT - Store Manual Here

on Remote Controls)



The Decal Set number for the GF (Gravity Feeder), FR (Feed Roll), SAF (Swinging Auger Feeder) and combination SAFR (Swinging Auger Feeder-Feed Roll) Attachments is 117498. The Set includes the following:

Part No.	Description & Quantity
065194	FAST-SLOW (SAF or SAFR)
065475	Auger-Feeder Motor ENGAGE- DISENGAGE (SAFR ONLY)
065476	FR Operating Instructions (SAFR ONLY)
067493	Red Reflector Strip (2 Places)
	Part No. 065194 065475 065476 067493

072158	PUSH TO STOP (FR & SAFR)
075923	STOP (SAF After SN10,000) (2 Places)
081144	Decorative Stripe (Early Style) Not Shown
091442	DANGER - Rotating Auger (SAF & SAFR) (2 Places)
093020	Lubrication Symbol (SAF & SAFR)
093365	WARNING - Close or Replace Guard (SAF & SAFR)
093376	WARNING - Keep Hands Out
003/0/	WARNING - Transport Latch Pin

093494 WARNING - Transport Latch Pin (SAF & SAFR)



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09 10

11 12





CHAPTER 17 MAINTENANCE LOG

	SERVICE EVERY 10 HOURS							
COMPONENT and SERVICE REQUIRED				PROCEDURE and/or CHAPTER TOPIC REFERENCE (Check Page No. in Index)				
Lubricate C	Lubricate Chains and appropriate grease fittings.				brication chap ng locations.	oter for		
Oil Unloading Conveyor Winch and Pulleys and Rotating Telescoping PTO Drive Guard.			Refer to Lul	brication chap	oter.			
		Date	e After Servi	ce is Comple	eted			
		SI	ERVICE EVE	RY 50 HOUR	RS			
Check From	t Drive Chain t	ension.		Refer to Adjustments chapter for details.				
Check Agita Drive Belt te	tor Drive Belt a	and Hydraulic	Pump	Refer to Adjustments chapter for details.				
Check Trans tension.	smission Drive	e (Rear Drive C	Chain)	Refer to Adjustments chapter for details.				
Inspect con Winch Mech	dition of Unloa nanism.	ding Conveyor	Cable and	See Unloading Conveyor topic in Service chapter.				
Check Tire	Pressure and \	Wheel Nut Toro	que.	Inflate Tires to 36 PSIG (252 kPa) and torque Wheel Nuts to 90 ft-lb (124 Nm).				
Check hydra	aulic system oi	il level.		Refer to details in Lubrication chapter.				
Lubricate ap	opropriate grea	ase fittings.		Refer to Lubrication chapter for Grease Fitting locations.				
Oil Unloadir and Feeder	ng Conveyor Tr Attachment Pi	ransport Latch	Pin ges.	Refer to Lubrication chapter.				
		Date	e After Servi	ce is Comple	eted			

SERVICE EVERY 100 HOURS							
COMPONENT and SERVICE REQUIRED				PROCEDURE and/or CHAPTER TOPIC REFERENCE (Check Page No. in Index)			
Replace Hy	draulic System	n Oil Filter.		Refer to Lul	brication chap	oter for details.	
Lubricate appropriate grease fittings.				Refer to Lu l Grease Fitti	brication chap ng locations.	oter for	
Inspect Hydraulic Pump, Motors, Hoses and Fittings.			Check for le	aks and secur	e attachment.		
Check cond	lition of Winch	Pawl and Sprii	ng.	Replace if w	vorn; refer to S	ervice chapte	r for details
Date After Serv				ce is Comple	eted		
		SE		RY 200 HOU	RS		
Inspect all C	Chains and Spr	rockets for sigr	ns of wear.	Replace if worn excessively.			
Check Mixe	r Transmissior	n fluid level.		Replenish or replace; see Lubrication chapter for additional details.			
Repack Wh	eel Bearings.			See Lubrication chapter.			
Date After Service is Completed				eted			

Index

Adjustments, 38-45 Discharge Chute Crank Tension, 38 Feed Roll Height, 39 Mill/Blower Drive, belt tension, 41 Mill/Blower Drive, sheave alignment, 40 SAF Brake Tension, 38 SAF Counterbalance Spring Tension, 39 Transport Lock Mechanism, 44 Unloading Conveyor, brake tension, 43 Auger Discharge Conveyor, 50 Intake, 49 Transmission Drive Shaft, 49 Removal/Replacement, 49, 50

Β

Bearings, main drive, 53 Blower, 22, 26

Capacity, Tank, 29 Chain Front Drive, 40 Safety, 23 Transmission Drive (rear), 42

Checklists, Delivery, 5-9 Controls & Safety Equipment, 19-24

Convevor Discharge, 19, 31 Unloading, 24, 34

D

Decal Locations, 76-83 Drive Chains, oiling, 46 Drive Line Components Drawing, 27

Drive Sheave, 26

Ε

Electronic Weigh Scales, Functional features, 21

F

Feeder Attachments, 20, 31, 38 Feed Roll, 20, 32 Gravity Feeder, 32 Swinging Auger Feeder, 20, 31 Swinging Auger/Feed Roll Feeder, 21, 32 Filter, oil, 51 Fittings

Grease, 47 Locations and Intervals, 47 Hydraulic, 50

G

Gravity Feeder Attachment, Functional features, 21

Guards, 21 Implement Drive Line, 22 Miscellaneous, 22

Н

Hitchjack, 22 Hopper, concentrate, 19, 30

Introduction, 2

Ladder & Steps, 22 Lid, tank, 33, 42

Lighting, auxiliary, 23 Lubrication, 46-48

Μ

Maintenance Log, 85 Mandatory Safety Shutdown Procedure, 10

Mill, 22, 26

Mill Screen Cover, 23 Cover Latches, 41

Mixer Power, 25 Drive Line Components, 26 Hydraulic System, 26 Telescoping Drive, 25

Motors, hydraulic, 51

Operation, 25-37

Options & Accessories, 72-75 Audible Alarm Kit, 72 Auxiliary Remote Control, 75 Doubler Bagger Attachment, 72 Safety Chain, 74 Scale Battery Kit, 73 Scale Kits Model 1500, 72 Model 2100, 72 Model 3200, 72 Screens, 74 Unloading Conveyor Extensions, 74 3-ft. Extension, 74 4#106>ft. Extension, 75 7-1/2-ft. Extension, 75 Unloading Conveyor Remote Control, 75 Visual Alarm Kit, 73 **Overload Protection**, 33

Discharge Conveyor, 33 Hydraulic System, 33 Main Drive, 33

86

Index (Cont.)

Shutdown, emergency, 25 Specifications, 3–4 Storage, 64

Т

Telescoping Drive, 23 Torque Chart, Inside Rear Cover Towing on highway, 63 Transmission Oil Level, 46 Transport Lighting, 63 Transporting, 62–63 Troubleshooting, 65–70

U

Unplugging, 35 Air Relief Tube, 36 Blower Inlet & Outlet, 36 Collector, 36 Crop Conditions, 36 Discharge Conveyor, 37 Mill, Mill Drive, Mixing Tank, 35 Mill/Blower Drive Belt Slippage, 35 Overfeeding, 35 Shear Devices, 35 Unloading Conveyor, 37

V

Valve, hydraulic shut-off, 52

W

Warranty, Inside Front Cover

Ρ

Paint Notice, 76 Preparing for Field Operation, 61 Pump, hydraulic, 52 Belt tension, 52 Sheave alignment, 52

R

Reservoir, hydraulic, 51

S

Safety, 10–18 Screens, 29 Service, 49–60 Set–Up & Assembly, 71 Shields, 21

Notes

TORQUE SPECIFICATIONS

NOTE: Use these torque values when tightening **GEHL** hardware (excluding: Locknuts and Self–tapping, Thread Forming and Sheet Metal Screws) unless specified otherwise.

All torque values are in Lb-Ft except those marked with an * which are Lb-In (For metric torque value Nm, multiply Lb-Ft value by 1.355 or Lb-In value by 0.113)

Unified	Grade 2	\bigcirc	Grade 5	\bigcirc	Grade 8	
National Thread	Dry	Lubed	Dry	Lubed	Dry	Lubed
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18 5/16-24	11 12	9	17 19	13 14	25	18 20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	
7/16-14	32	24	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	50	35	75	55	110	80
1/2-20	55	40	90	65	120	90
9/16-12	70	55	110	80	150	110
9/16-18	80	60	120	90	170	130
5/8-11	100	75	150	110	220	170
5/8-18	110	85	180	130	240	180
3/4-10	175	130	260	200	380	280
3/4-16	200	150	300	220	420	320
7/8-9	170	125	430	320	600	460
7/8-14	180	140	470	360	660	500
1-8	250	190	640	480	900	680
1-14	270	210	710	530	1000	740
Metric	Grade 8	.8 (8.8)	Grade 10.9 (10.9)		Grade 12.9 (12.9)	
Course Thread	Dry	Lubed	Dry	Lubed	Dry	Lubed
M6-1	8	6	11	8	13.5	10
M8-1.25	19	14	27	20	32.5	24
M10-1.5	37.5	28	53	39	64	47
M12-1.75	65	48	91.5	67.5	111.5	82
M14-2	103.5	76.5	145.5	108	176.5	131
M16-2	158.5	117.5	223.5	165.5	271	200



THIS OPERATOR'S MANUAL IS PROVIDED FOR OPERATOR USE

DO NOT REMOVE FROM THIS MACHINE

THANK YOU

DO NOT START, OPERATE OR WORK ON THIS MACHINE UNTIL YOU HAVE CAREFULLY READ AND THOROUGHLY UNDERSTAND THE CONTENTS OF THE OPERATOR'S MANUAL.

FAILURE TO FOLLOW SAFETY, OPERATING AND MAINTENANCE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY TO THE OPERATOR OR BYSTANDERS, POOR OPERATION, AND COSTLY BREAKDOWN.

IF YOU HAVE ANY QUESTIONS ON PROPER OPERATION, ADJUSTMENT OR MAINTENANCE OF THIS MACHINE, CONTACT YOUR DEALER OR THE SERVICE DEPARTMENT OF GEHL COMPANY BEFORE STARTING OR CONTINUING OPERATION.



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