



Gehl
Operator's Manual
1310

Fixed Chamber
Round Baler

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GE-O-1310

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CHAPTER 2

SPECIFICATIONS

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All Dimensions are in Inches (Millimeters) Unless
Otherwise Noted

Model & Description RB1310 Fixed Chamber
Round Baler
Power From PTO and Remote Hydraulics Output
of 540 RPM Tractor with at least 55 hp (40 kw)
Overall Height 89 (2260)
Overall Length 151 (3835)
Overall Width 87-1/2 (2223)
Pickup Width 53 (1346)
Weight (Approximate) 3450 lb (1568 kg)
Bale Diameter (Nominal) 52 (1320)
Bale Width (Nominal) 48 (1220)
Bale Weight (Hay-Nominal) 850 lb (386 kg)
Pressure Roll Operating Speed 154 RPM
Pressure Roll Drive #60 & #80 Roller Chain

Standard Features:

540 RPM Heavy Duty Constant Velocity Drive
Fifteen Heavy Duty Steel, 12 (305) Diameter Pressure Rolls
Four Bar Pickup with 16 Tines per Bar

Automatic Reset Clutch on Pickup Drive
Bale Pressure (Density) Gauge
Automatic Bale Counter
Four-Ball Twine Box
Manual Twine Wrapping System
Drawbar Hitch Jack
Material Retention Brushes
Throat Guide Baffle

Selectable Features & Accessories

Hydraulic Twine Wrapping System
Electric Twine Wrapping System
Automatic Chain Oiler
Pickup Gauge Wheel
Bale Discharge Bumper
Power Reduction Kit
Set of Two 14 x 8.00 D.C. Wheels Only
Set of Two Mounted 9.5L x 14, 6-ply Implement Tires on 14 x
8.00 Wheels
Set of Two Mounted 11L x 14, 6-ply Implement Tires on 14 x
8.00 Wheels

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CHAPTER 5

CONTROLS & SAFETY EQUIPMENT



CAUTION: Become familiar with and know how to use **ALL** of the Safety Devices and Controls on this Baler **BEFORE** attempting to operate it. Know how to **STOP** Baler operation **BEFORE** starting it!

The RB1310 Baler is provided with several features for operator safety and convenience:

GUARDS & SHIELDS

Whenever and wherever possible and without affecting machine operation, Guards, Shields and hinged Covers have been used on this equipment to protect potentially hazardous areas.



WARNING: Read and understand **ALL** Safety Decals on the Baler, **BEFORE** operating it. Do **NOT** attempt to operate this equipment unless **ALL** factory installed Shields are properly secured in place.

Implement Drive Line Shields (Fig. 5-1)

The Telescoping PTO Drive, between the Baler Gearbox Input Shaft and tractor PTO shaft, is equipped with Rotating Shields. The Shields are designed to remain stationary while the PTO Shaft (inside) it is rotating.



WARNING: **BE SURE** that the Telescoping PTO Connection is free to rotate inside the Shields, **BEFORE** starting the tractor engine! Also, **BE SURE** the Drive Shields are anchored with the Chains on each end before operating the Baler!



Fig. 5-1

Left Side Shields (Fig. 5-2)

Two large hinged Shields, with flush mounting Latches, are provided on the left side of the Baler to cover and protect the Rollers and Rear Door Drive mechanisms. A smaller hinged and Latched Shield is also provided to cover the Main Drive Chain mechanism. Holder Rods are provided on all three

Shields to hold them open while servicing or making adjustments inside. **BE SURE** to keep the Shields closed and latched whenever the Baler is in operation.

A hinged and Latched Shield is also provided to cover and protect the Pickup Drive. Two bolt-on Shields are also provided, on the left side of the Baler, for service access.

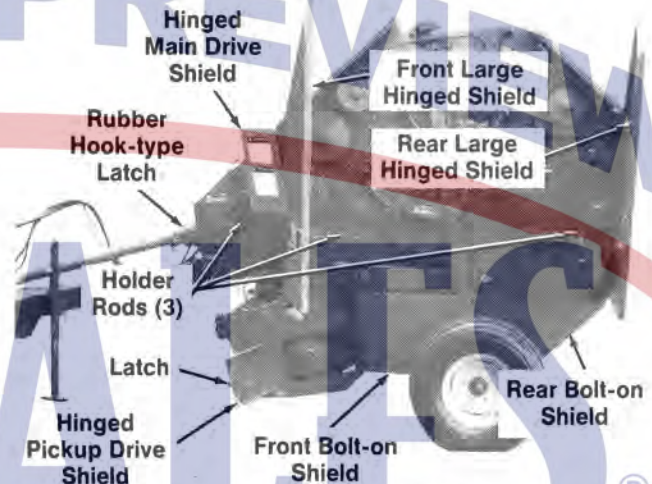


Fig. 5-2: Left Side Shields

Rubber Coupler and Jackshaft Shields (See Fig. 5-1)

The Rubber Coupler and Jackshaft Shields are bolted in position and **MUST** remain securely fastened, except for servicing.



CAUTION: **BEFORE** proceeding to perform any work on the Baler and, **BEFORE** removing or opening any Shields, **BE SURE** to exercise the **MANDATORY SAFETY SHUTDOWN PROCEDURE** (page 8). Also, **BE SURE** to reinstall and/or close **ALL** Shields **BEFORE** operating the Baler.

REAR DOOR CYLINDER LOCKS (Figs. 5-3 & 5-4)



WARNING: **ALWAYS** engage the Rear Door Cylinder Locks **BEFORE** working inside the Bale Chamber or anywhere under the Rear Door when the Door is open. **ALWAYS** engage **BOTH** Locks to make sure the Door is properly supported. **BE SURE** that **BOTH** Cylinder Locks are fully engaged.

During normal operation, each Cylinder Lock is secured in its "storage" position by a Latch Rod and Spring mechanism. To engage the Cylinder Lock, the Latch Rod **MUST** be pulled out, to release the Cylinder Lock, **BEFORE** raising the Rear Door. After the Door is opened completely, check both Locks to see if they are positioned properly and then lower the Door until it is resting on the Cylinder Locks.



Fig. 5-3: Left Cylinder Lock (Engaged)

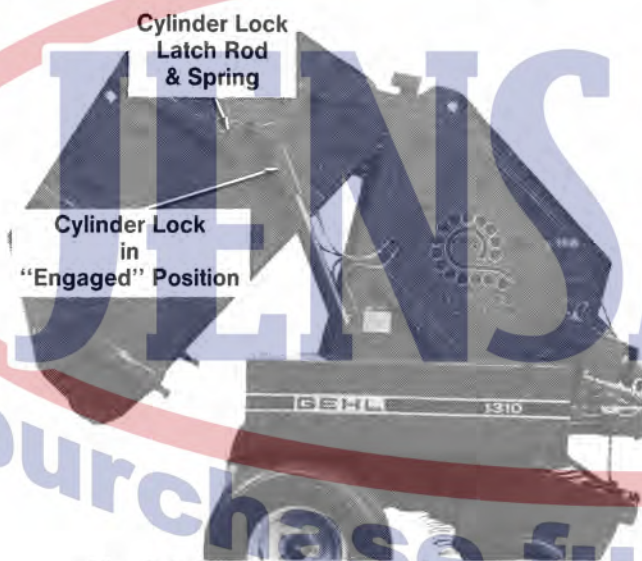


Fig. 5-4: Right Cylinder Lock (Engaged)

HITCHJACK (See Fig. 5-1)

A Hitchjack is furnished with the Baler to support the machine when the tractor is disconnected as well as to facilitate aligning the Hitch Clevis with the tractor drawbar for hookup. When the Jack is **NOT** being used to support the Baler, it can be removed and relocated to a "storage" position on the inside of Drawbar.



WARNING: BE SURE the Locking Pin is properly seated into the holes thru the Jack Tube and the "Supporting Position" Hub on the Baler Drawbar, **BEFORE** disconnecting the Baler from the tractor.

SAFETY CHAIN & AUXILIARY LIGHTING (Fig. 5-5)



CAUTION: ALWAYS follow state and local regulations regarding a safety chain and auxiliary lighting when towing farm equipment on public highways! A safety chain should always be used to retain the connection between the

towing and towed machine, in the event of separation of the primary attaching system. **BE SURE** to check with local law enforcement agencies for your own particular regulations.

As required or when desired, the Baler should be equipped with a safety chain and auxiliary lighting for transporting the unit on public highways. The chain should be routed as shown in the illustration.



Fig. 5-5: Accessory Safety Chain (Installed)

TELESCOPING DRIVE COUPLER (See Fig. 5-1)

The Telescoping PTO Drive is equipped with a bolt-on Coupler, to attach it to the Gearbox Input Shaft. On the other end, a Spring-loaded Locking Device is provided to positively lock the Telescoping Drive onto the tractor PTO shaft. Depress the Locking Device, against the Spring tension, and slide the Yoke onto the tractor PTO shaft. Release the Locking Device and move the Yoke ahead or back until the Lock engages into the groove of the PTO shaft.



WARNING: BE SURE that the Telescoping PTO Couplers are properly secured to both the tractor PTO shaft and the Gearbox Input Shaft **BEFORE** starting the tractor engine.

PICKUP CRANK ASSEMBLY (See Fig. 5-1)

A Pickup Crank Handle and Ratchet mechanism is provided on the right side of the Baler for raising and lowering the Pickup to make operating height adjustments.

To raise the Pickup, turn the Crank Handle clockwise. The Ratchet Stop will lock the Handle in one of four positions nearest to the desired height setting.

To lower the Pickup, first turn the Crank Handle clockwise (just enough to relieve tension on the Ratchet Stop) and then release the Ratchet Stop by pulling back on it. Then, while holding the Stop in the "released" position, turn the Crank Handle counter-clockwise until the Pickup is at the desired height. Release the Stop to lock the Crank Handle in one of the four stop positions.