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MANUAL PREVIEW

Gehl

Operator's Manual

CB1000

Forage Harvester

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GE-O-CB1000

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CHAPTER 2

SPECIFICATIONS

**All Dimensions are in Inches (Millimeters)
Unless Otherwise Noted**

Model & Description CB1000 Forage Harvester
Power Up to 170 PTO hp (126.5 kw) tractor
for 1000 RPM Units or
up to 120 PTO hp (89.3 kw) tractor
for 540 RPM Units

Cutting Cylinder Characteristics:

Width 21 (533)
Diameter 18 (457)
Speed (Approximate) 1000 RPM for
1000 RPM Units or
800 RPM for 540 RPM Units
Quantity of Knives Eight

Blower Characteristics:

Fan Diameter 36 (914)
Fan Speed 750 RPM for 1000 RPM Units or
720 RPM for 540 RPM Units
Quantity of Paddles Four

Spinner Characteristics:

Fan Diameter 24 (609)
Quantity of Paddles Six
Fan Speed 472 RPM for 1000 RPM Units or
452 RPM for 540 RPM Units

Overall Dimensions:

Width
(with Single Wheels Retracted) 116-3/4 (2967)
Height (to top of Cap) 116 (2946)
Length (to end of Cap) 219-3/4 (5582)
Throat Area 120 sq in (770 sq cm)
Typical Weight 3740 lb (1698 kg)

Standard Features:

Tungsten Carbide-faced Knives
Tungsten Carbide-faced Reversible Cutterbar
Shifter Transmission with Sealed Needle Bearings running in Oil
Bevel Gearbox with Tapered Bearings running in Oil
Shear Bolt Protected Main Drive
One-way Shear Bolt Protected Feed Roll Drives
Adjustable Drawbar Hitch with Four Operating and One Transport Position
Locking Hitch Latch Mechanism for Transporting
Multi-position Wagon Hitch Plate
Separate Wagon Transport Plate
Horizontally and Vertically Adjustable Wheels
Two Serrated, One Fluted and One Smooth Feed Roll

Hydraulically Controlled Attachment Lift System
Hydraulically-powered Knife Sharpener
Flotation Spring on Feeder Attachment Lift System
Overrunning Clutches on Cylinder Drive and on Blower Drive

Replaceable Deflector Wear Liner

Optional Features (Selectable):

1000 RPM Drive Line or 540 RPM Drive Line
Single Wheel Axles Set (less Wheels and/or Tires) or
Tandem Axles Set (Including Four 15 x 8.00 D.C.
Wheels and Four 27.00 x 9.50-15 Tires)

Wheel Set and/or Tire Set (for Single Wheel Axles) -
a. (2) 15 x 8.00 D.C. Wheels less Tires
b. (2) 15 x 8.00 D.C. Wheels with 10.00 x 15 8-Ply Tires
c. (2) 15 x 8.00 D.C. Wheels with 11L x 15 8-Ply Tires
d. (2) 15 x 10.00 D.C. Wheels less Tires
e. (2) 15 x 10.00 D.C. Wheels with 12.5 x 15 8-Ply Tires

Controls Package -
Manual Deflector, Manual Cap & Manual Shift Package

or

Electric Deflector, Electric Cap & Electric Shift Package

Accessories:

3-1/2 ft Horizontal Deflector Extension, Brace & Tripod
5-1/2 ft Horizontal Deflector Extension, Brace & Tripod
1 ft Vertical Deflector Extension
2 ft Vertical Deflector Extension
Deflector Tripod Kit
Hydraulic Lift Cylinder & Hose Kit
Electric Control Box (for second tractor)
Electric Control Cable Extension (for large 4-wheel drive tractor)
Wet Crop Deflector
Torque Wrench
Reversible Square-holed Screen in 4", 3", 2", 1-1/2", 1-1/4", 1" and 3/4" Sizes
Shear Bolts

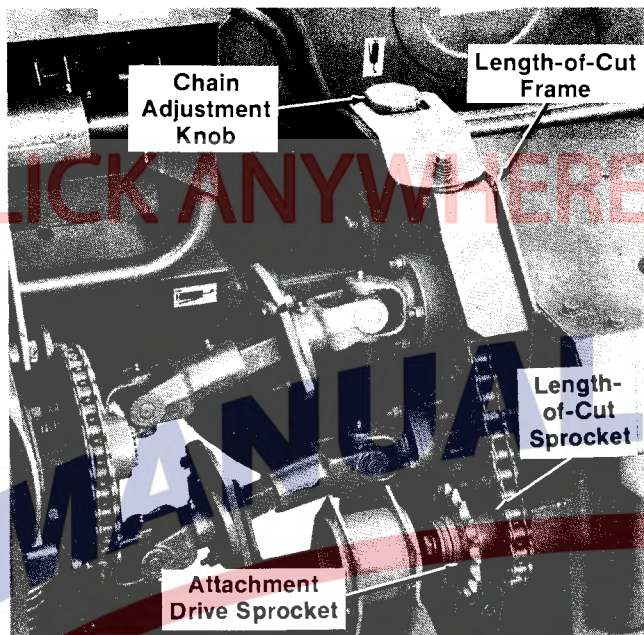


Fig. 5-6

OVERRUNNING CLUTCHES (Figs. 5-7 & 5-8)

Both the Cylinder and the Blower Drives are equipped with Overrunning Clutch assemblies to allow both components to free-wheel, after driving power has been removed by disengaging the tractor PTO.



CAUTION: BE SURE to exercise the **MANDATORY SAFETY SHUTDOWN PROCEDURE** (page 8), **BEFORE** attempting to perform any kind of service adjustment on either the Cylinder or the Blower. **ALWAYS** wait the necessary time for the movement to **STOP**.



Fig. 5-8

TELESCOPING PTO COUPLER LOCK (See Fig. 5-4)

A Spring-loaded Locking Device is provided on the tractor connection end of the standard Telescoping Drive to positively lock it 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 on the shaft.



WARNING: BE SURE that the **Spring-loaded Locking Device** on the **Telescoping Drive Coupler** is properly seated into the groove on the tractor PTO shaft **BEFORE** starting the tractor. Also **BE SURE** that the tractor PTO shield is in place and properly secured and that the Telescoping Drive Shields are rotating freely **BEFORE** starting the tractor.

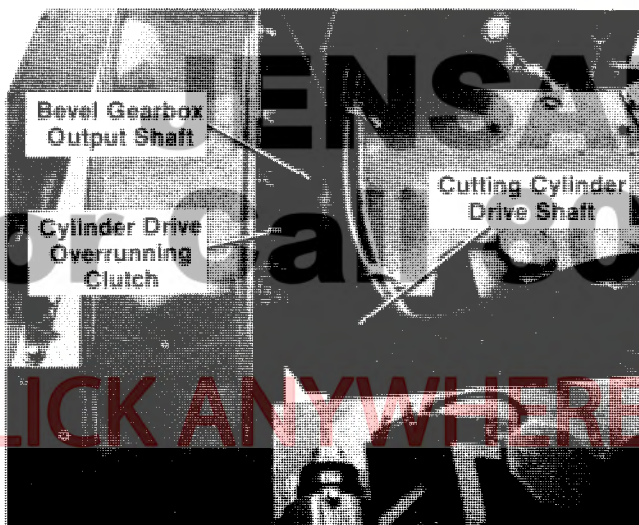


Fig. 5-7

NOTE: The Telescoping PTO connection on Harvesters equipped with an Accessory 1-3/4 PTO Drive Kit is provided with attachment bolts for securing the PTO onto the tractor shaft.