

Owner Operation and Maintenance Manual

BOLENS**REEL MOWER
ATTACHMENT****MODEL 19301-01**

TO THE OWNER

Read through this manual carefully before operating the equipment. You will find complete operating instructions as well as useful maintenance and care recommendations. If there are any questions regarding the equipment, be sure to discuss them with your authorized Bolens dealer.

Bolens Equipment is carefully engineered to give efficient, trouble free performance if properly operated and maintained. Keep your equipment clean, well tightened and lubricated. Periodically inspect the unit and perform any upkeep maintenance necessary. The dealer is obligated by the factory to completely assemble and service new equipment and thoroughly explain its operation. He will repair or replace, free of charge, any parts which fail due to defective material or workmanship during the warranty period and also provide future repair service and parts. To insure continued satisfactory operation, insist that your new equipment be completely serviced and its operation explained by your dealer. To qualify for warranty consideration, repairs necessary during the warranty period and covered under Bolens warranty policy must be performed by the authorized Bolens dealer from whom the equipment was purchased or the warranty is void.

The tool box located under the tractor seat contains the following parts which are required to mount all front power driven attachments: two extension arms (A); one drive shaft (B); two spring cotters (C); two clevis pins (D); and two spring cotters (E). THESE

PARTS SHOULD BE INSTALLED ON THE TRACTOR ONLY WHEN A FRONT POWER DRIVEN ATTACHMENT IS BEING USED.

ASSEMBLY

(1) Attach extension arms to tractor front axles and the drive shaft to tractor power take off shaft as illustrated in drawing.

NOTE

Always keep a light coat of lubricant on the splined end of tractor power take off shaft and attachment driven shaft and the universal joints of drive shaft well greased. Proper lubrication will assure easy installation of drive shaft and smoother performance of the units.

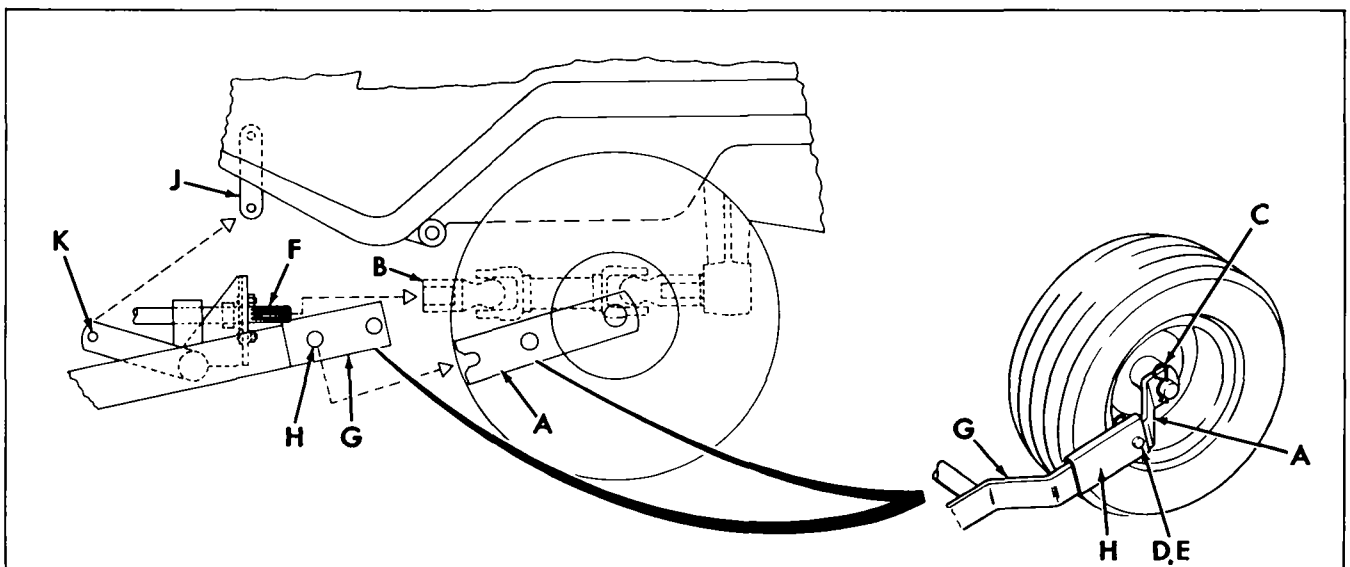
(2) Insert end of splined shaft (F) into universal joint of drive shaft (B). Bring ends of extension arms (A) up through bottom of hitch brackets (G) so that the formed ends of extension arms engage pins (H).

(3) Push down on hitch brackets (G) until holes in (A) and (G) align and lock in position with clevis pins (D) and spring cotters (E).

NOTE

Check to be sure the drive shaft remained in position during this assembly step.

(4) Move the tractor attachment lift lever all the way forward and attach lift links (J) to pins on lift arms (K). Secure with spring cotters.

**BOLENS** DIVISIONPORT WASHINGTON, WISCONSIN
America's Finest Outdoor Power Equipment

OPERATION

There are two controls for operating the mower; a tractor power take off lever for engaging and disengaging the mower reel, and a tractor attachment lift lever for raising and lowering the mower.

Before starting the engine be sure the mower is disengaged and the tractor is in neutral. For best cutting results keep the engine speed high so as to maintain sufficient reel velocity. Regulate the ground speed to meet cutting conditions by shifting gears and not by changing engine throttle settings. The engine governor will control for any increase or decrease in power requirements.

For transport, disengage the tractor power take off and raise the mower to the highest position with the tractor attachment lift lever.

HEIGHT OF CUT

To adjust the height of cut, loosen adjusting screws on the mower side plates and raise rollers for cutting short; lower rollers for cutting long. The height of cut is variable from 3/4 inch to 2-1/2 inches and is set at 1-1/2 inches when assembled at the factory.

BED KNIFE ADJUSTMENT

The bed knife is adjusted at the factory, ready for operation. When adjustment becomes necessary it must be carefully made to insure good cutting results and minimum wear. Adjustment is made with two set screws (upper and lower) on each end of the bed knife. Loosen both lower set screws 1/2 turn and then tighten the upper set screws. Repeat this

procedure until the entire reel is as close to the bed knife as possible without touching.

CHAIN ADJUSTMENT

The chain is properly adjusted when there is just a slight amount of slack between the sprockets. A chain that is too tight or too loose will cause excessive wear to the chain and sprockets. To tighten the drive chain, loosen the four capscrews (two on each side) which secure the mower to the hitch arms and slide the mower forward to desired position. Be sure to keep the reel parallel with the countershaft to maintain alignment of sprockets and chain.

A clean, flexible chain will wear the longest and give the best performance. It is recommended that periodically the chain be removed and soaked in kerosene to remove accumulated dirt and rust.

LUBRICATION

The mower has three grease fittings; one on each wheel pivot shaft, and one on the countershaft housing. Lubricate grease fittings with gun grease every 8 hours of operation and apply light oil to all other working parts for smoother performance and to reduce wear.

The gearcase is filled with SAE #90 gear oil to filler hole level. Check oil every 10 hours of operation and if necessary, add oil to bring up to filler hole level. The unit must be in normal operating position when checking or adding oil. It is very important that caution be used in adding lubricant as over filling will cause excessive heating and result in damage. If there is any indication of leakage, the gearcase should be inspected and corrective measures taken.