

Figure 1

Assembly Instructions

1. Unpack the cartons containing the deck assembly and the drive assembly.
2. Remove belt covers from the deck assembly.
3. Place the belts around the rotor pulleys.
4. Place the idler assemblies on the stub shafts protruding up through the deck near the center. Note that the idler assemblies are different. Place the idler assembly with idler pulley below the pivot arm next to the rotor pulley closest the deck. Place the other idler assembly on the shaft next to the other rotor pulley. Attach springs to the idler assemblies but not to the deck at this time.
5. Place the drive assembly in position and install belts on the drive pulley. Be sure the belt to the rotor pulley closest the mower deck is on the bottom groove of the drive pulley.
6. Bolt the drive assembly in position.
7. Connect springs to deck supports.
8. Replace belt covers.
9. Install bushing in caster wheels and bolt wheels in place in the caster forks.

Lubrication

Caution: The drive assembly has not been lubricated at the factory. Be sure to add gear lubricant before operation.

Use SAE 90W EP or 140 gear lubricant. Remove the top plug (A) and the side plug (B). Add gear lubricant until lubricant runs out the level plug hole on the side. Be sure to replace both plugs. Check level every 25 hours of operation.

The swivel casting must be greased with general purpose grease. Apply grease until it extrudes from the swivel casting near the adjusting bolt. Grease every 25 hours of operation.

Attaching to the Tractor

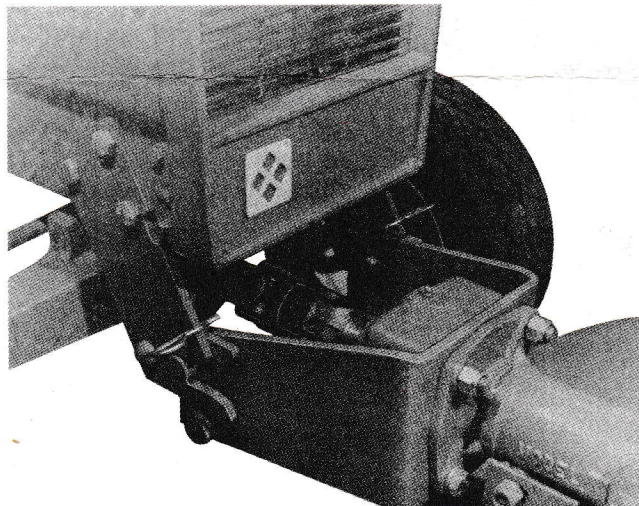


Figure 2

The mower is attached to the front of the convertible tractors or the Front Adapter Kit using two bolts and two nuts.

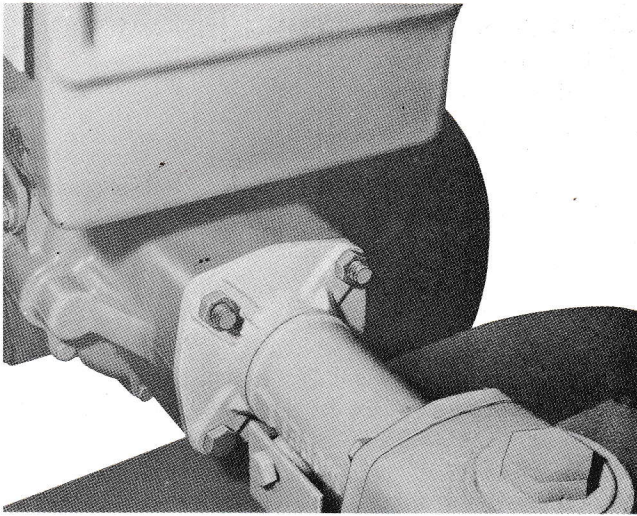


Figure 3

When attaching, be sure the engine is stopped, PTO control in the "OUT" position and the operating levers in neutral.

Swivel Action Adjustment

The swivel action of the mower is regulated by the bolt and nut in the swivel casting. To get proper swivel action, the nut, (C, Figure 1) should be tightened until there is no swivel to the mower, the nut should then be loosened just enough to allow the mower sufficient swivel action to follow ground contour under its own weight.

Cutting Height Adjustment and Blade Removal

The cutting height of the mower is adjusted by the collars on the rotor shaft. The closer the blades are to the under side of the deck, the higher the cut and vice versa. Vary the combination of the collars as you desire, but keep the combination on both rotor shafts the same.

Caution: Never put your hands or feet under the deck of the mower while it is running or for an interval after the mower is shut off. Make sure the blades have stopped completely and engine is turned off before making any adjustments.

A square hole has been machined in the end of the rotor shaft as shown in Figure 4. To remove or replace the blade easily, insert a standard 3/8" socket drive in the square hole and remove or tighten the nut with wrench as required.

Do not hold the nut securing the rotor pulley as this will disrupt the tapered roller bearing adjustment.

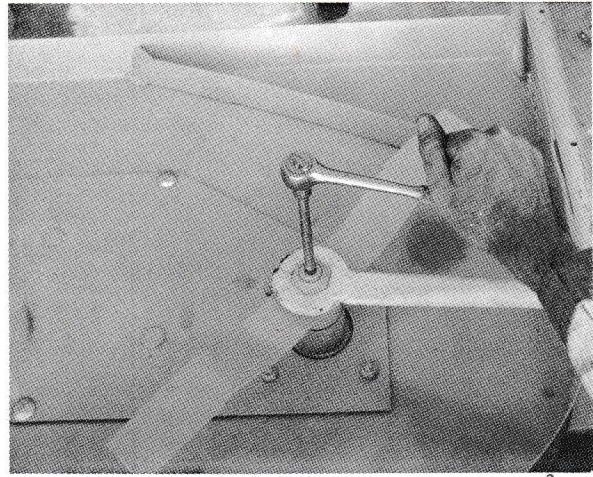


Figure 4

Caution: If the mower is mounted on a tractor, never have the PTO engaged when removing the blades. With the right conditions, any clockwise rotation of the blades could cause the tractor engine to start.

The Gravely wrench (15367E1) fits the nut on the rotor shaft and the gear box filler plug.

Blade Sharpening

Use a grindstone to sharpen the blades. Try to follow the same bevel as the original cutting edge, although the precise degree of the bevel is not critical.

When sharpening, equal amounts should be removed from each cutting edge to maintain proper balance.

Balance can be checked by suspending the blade on a horizontal rod. If one end should drop downward, that edge should be ground more.

 **GRAVELY**

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