

INSTRUCTIONS FOR INSTALLING - OPERATING - ADJUSTING

Belt No.
C15943 \approx DAYCO GPL Premium
L570 size **THE**
70" x 5/8"
(PTO to Mower)

Dayco L470 - 70" x 1/2"
Premium 4L700
C.E. Brown 5/2/84

MODEL F 46

C.E. Brown - Essex Jt.
5L700 70" x 5/8" - 6/12/82
\$12.11
(Does not fit on
shaaves) NG

C.E. Brown June 14, 1980
Dayco Durapower
4L680 68" x 1/2" \$7.95

ROTARY MOWER

USED ON

758-2471

CASE MODEL 442 AND 444

COMPACT TRACTORS

INTRODUCTION

The Model F46, 48" Rotary Mower is designed to operate on Case Model 442 and 444 Compact Tractors. This mower is furnished as a complete package with all necessary attaching components. There is no requirement for additional mounting kits.

This manual covers recommended operating procedures, safety suggestions, adjustments, maintenance information, and installation instructions. Read this manual carefully before operating your rotary mower. Your J. I. Case Compact Tractor Dealer is well qualified to answer any further questions you might have concerning your rotary mower. Also, if the need should arise,

his Service Department with factory trained technicians, genuine Case replacement parts and the proper facilities is in a position to provide proper repairs in the shortest time possible.

The definitions "Right, Left, Front and Rear" as used throughout this manual relate to the tractor and rotary mower as the operator is seated facing forward in the normal operating position on the tractor.

Always make certain the tractor PTO (Power Take-Off) clutch is disengaged before starting the engine and when transporting the rotary mower.

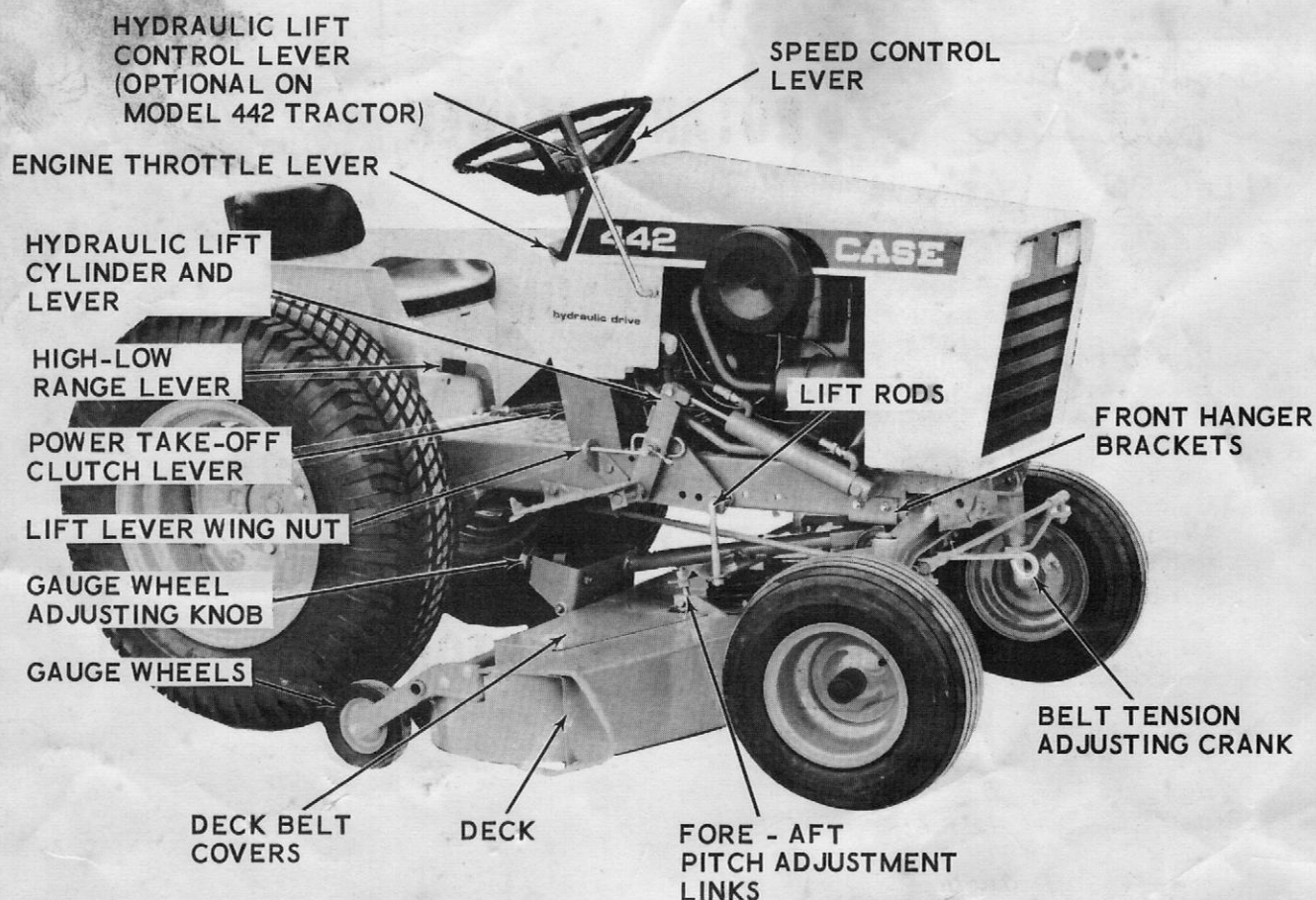


Figure 1. Identification of Principle Components and Controls

OPERATING CONTROLS

The principle components and controls of your rotary mower are identified in Figure 1 with the same description used throughout this manual.

All controls are conveniently located near the operator's position on the tractor. The mower blades are placed in motion by pulling outward on the tractor PTO (Power Take-Off) clutch lever. The desired mowing height

can be quickly adjusted by turning in or out on the adjusting knob, Reference "F", Figure 5.

Generally best performance is obtained with the transmission in "Low" range and the engine running between 3/4 and full governed RPM. Adjust the tractor travel speed with the Speed Control lever according to your mowing conditions.

OPERATING SAFETY SUGGESTIONS



HI FOLKS! -I'm Sammy Safety.
Look for me to point out
important Safety Precautions

1. Regard your rotary mower as a piece of power equipment and be sure this manual is read and understood by all who operate it.
2. Clear the lawn or area to be mowed of sticks, stones or any hard objects which could come in contact with the blades and be hurled out the discharge opening.
3. Do not permit children or pets in the area while mowing.
4. KEEP FEET AND HANDS AWAY FROM DISCHARGE OPENING AND MAKE NO REPAIRS UNLESS BOTH THE TRACTOR ENGINE AND PTO ARE SHUT OFF.
5. Fill gas tank out of doors and avoid spilling gasoline. Do not fill tank with gasoline while smoking or while engine is running.
6. Never allow children or young teenagers to operate the tractor and rotary mower.
7. Maintain your tractor and rotary mower in top operating condition.
8. Never get on or off the tractor while mower is running.
9. Operate in "Low" range and use greater caution on steep slopes or inclines.
10. Be sure you know how to stop the tractor and mower at a moments notice.
11. Give complete and undivided attention to the job at hand.
12. Stop the engine and disengage PTO clutch when tractor is unattended.
13. Disengage PTO clutch when someone approaches.
14. Do not allow anyone other than the operator to ride on the tractor.
15. Never direct the mower discharge at people, pets, windows, or cars.
16. Disengage the PTO clutch when transporting.

OPERATING METHODS AND TIPS

1. Keep mower blades sharp and balanced as covered in Adjustments and Maintenance Section.
2. Operate engine between $3/4$ and full governed throttle, and regulate the ground speed Control Lever according to mowing conditions. Unless grass is unusually light, always operate in "Low" speed range.
3. If grass is heavy and higher than normal, results can be improved by mowing twice. Make the first cut with the mower set higher than normal; then repeat with the mower set at desired finished cut height. When mowing heavy grass, always discharge clippings away from the uncut area.
4. Figures 2 and 3 illustrate two systems for mowing. If the grass is high or heavy, always mow to throw the clippings away from the uncut area, Figure 2. If the grass is light and more thorough mulching is desired, discharge the clippings toward the center of the uncut area, Figure 3. When mowing in this

manner, a final strip of mulched clippings about three to four feet wide will remain near the center of the lawn. This can be easily raked up to leave a well groomed appearance.

5. Trimming will be neater and closer by using the right side of the mower since the clippings will be discharged away from the object. Also the shield over the discharge opening prevents mowing as close to objects.
6. Do not step on the mower deck when getting on or off the tractor. If mounting the tractor from the right side, place your right foot on the right foot rest, your right hand on steering wheel and left hand on the seat back and step onto the tractor, swinging your left foot through between the steering wheel and seat.

When mounting from the left side, start with your left foot on the left foot rest, your left hand on steering wheel and right hand on seat back and step onto tractor swinging your right foot through between the steering wheel and seat.

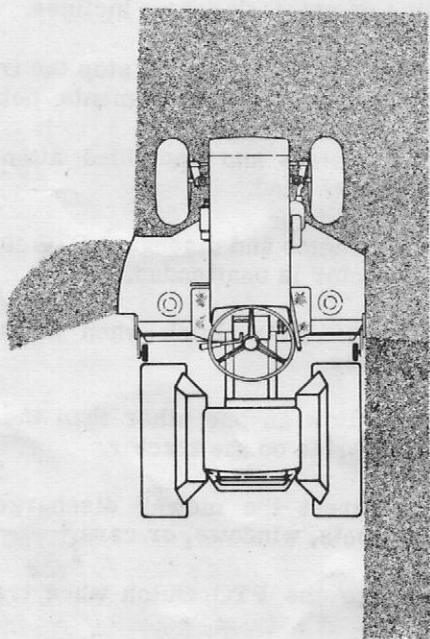


Figure 2. Discharging Grass Away from Uncut Area

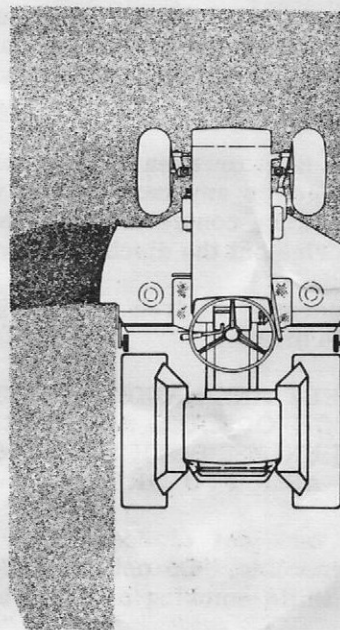


Figure 3. Discharging Grass Into Uncut Area

Dismount the tractor using the reverse of the above procedures.

7. The tractor mechanical or hydraulic lift lever is used to raise the mower into transport and to lower it to desired cutting height. The wing nut, Reference "A", Figure 4 is not used to adjust the cutting height and should be set according to Paragraph 2 under "Adjustments and Maintenance". Cutting height adjustments are covered in Paragraph 4 in the "Adjustment and Maintenance Section."



"YES, MR DEALER, IVE
STUDIED THE MANUAL"

8. When transporting the mower, pull the mechanical lift lever back until the catch engages. Depress the button at the top of the lift lever to release and lower the mower to the desired cutting height. A slight pulling pressure on the lever will permit the release button to be more easily depressed.

If your tractor is equipped with hydraulic lift, hold the lever back until the upward movement of the mower stops; then release the lever.

CAUTION If the tractor is equipped with Hydraulic Lift, make certain the "down pressure" pin is in the outer (float) position as shown in Figure 4 to allow the deck to glide over high spots without digging in and causing possible damage to the mower or turf.

9. Be certain whoever operates the mower has read and understands the preceding "Operating Safety Suggestions."

KEEP "DOWN PRESSURE"
PIN IN OUTER SETTING
WHEN MOWING

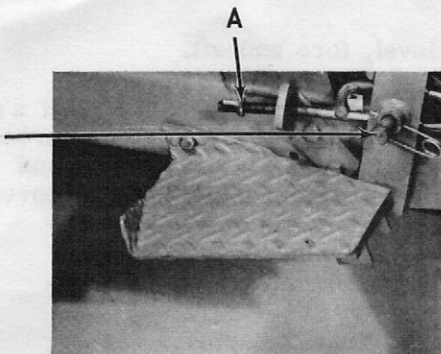


Figure 4.

ADJUSTMENTS AND MAINTENANCE

1. Before operating the mower, check the cap screws holding the blades. THEY MUST BE TIGHT. After the first 8 hours operation, check them again. Whenever the blades are removed, it is a good practice to install new lockwashers under the cap screws, and again check tightness after next 8 hours operation.
2. The wing nut, Reference "A", Figure 4, is used as a limit stop for the mower suspension. With the mower resting on the floor at normal operating height, push downward on the implement lift arms until all slack is taken out of the linkages. Adjust the wing nut to the point where about 1/2" of space exists between the

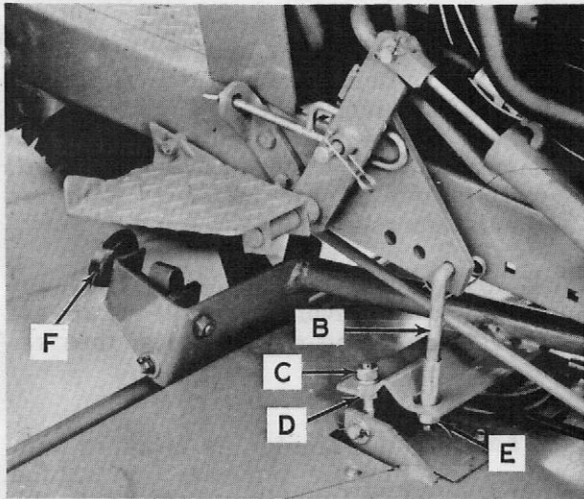


Figure 5. Cutting Height and Fore - Aft Level Adjustments

adjusting locknut "E", Figure 5 and the lift frame. If the wing nut is set too far "out", the lift rods may jam against the mower deck when crossing obstructions. If the wing nut is set too far "in", the mower will not descend to mowing position. The 1/2" nut to lift frame clearance provides adequate float for the mower suspension.

3. The mower must be level, fore and aft. To check for proper level, tire pressures must be correct and equal. Take measurements between a level surface and the blade tips with the mower set at desired cutting height and gauge wheels in contact with floor. Take measurements as close to the front and rear ends of the mower as possible. To raise the front of the deck, loosen the lower nut "D", Figure 5 on each adjusting link. Turn the upper adjusting nuts "C" downward until proper deck level is obtained. Then tighten the lower nuts to lock. To lower the front of the deck, back off adjusting nuts "C" and lock the lower nuts "D".
4. This mower is designed to provide an approximate cutting height range from 1-1/2 to 3-1/2 inches with infinite adjustment available in between. To increase the cutting height (lower the gauge wheels), turn the adjusting knob, Reference "F", Figure 5, clockwise. To raise the gauge wheels or decrease the cutting height, turn the adjusting knob counterclockwise. The mower should be raised into transport before increasing the cutting height to facilitate adjustment.

NOTE Always operate the mower with the gauge wheels on the ground to assure a level and uniform cut.

5. Check the mower drive belt tension after the initial 20 minutes operation. Check tension again after the next hour and five hours of mowing. The belt is properly tensioned when the left hand idler pulley mounting bolt lines up with the inspection hole, Reference "H", Figure 6.

To increase the belt tension, turn the adjusting crank, Reference "G", Figure 6, in a counterclockwise direction while facing the front of the tractor. To decrease tension, turn the crank clockwise.

If the belt is overtensioned, the idler pulley mounting bolt will be located above the inspection hole. An undertensioned belt will result in this bolt being located below the inspection hole.

If a new drive belt is installed, follow the procedure outlined in Installation Section and follow the tensioning instructions covered above.

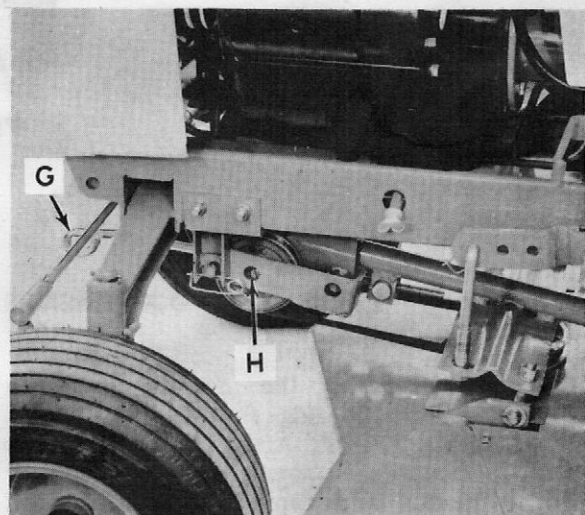


Figure 6. Drive Belt Adjustment

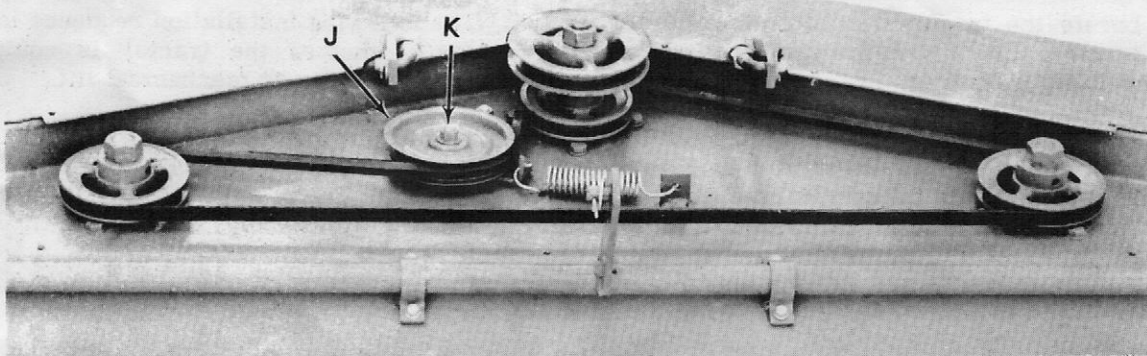


Figure 7. Deck Belt Installation

6. The deck belt is automatically tensioned by a spring loaded idler pulley, Reference "J", Figure 7 and adjustment is not required.

If a new belt is installed, place it around the three spindle pulleys as illustrated.

Place a 9/16-inch box wrench over the hex nut, Reference "K", Figure 7, on the idler pulley and pivot the idler pulley towards the front of the mower until the belt can be easily placed over the back side as shown. Check to make sure the belt is not twisted before replacing covers.

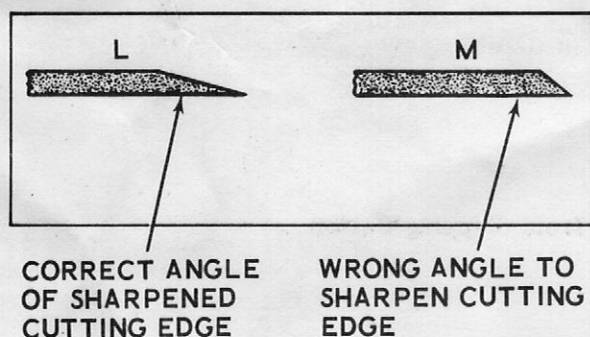


Figure 8

7. Check the mower blades periodically for nicks or dullness. Damaged or dull blades can cause a shattered rather than clean cut and brown areas may develop. Reference "L", Figure 8, illustrates the correct angle at which to sharpen the blade cutting edges. If the cutting edge is sharpened at a blunt angle, Reference "M", the grass may also be shattered rather than cleanly cut.

After a blade is sharpened, check it for balance by inserting a dowel or bolt in the center hole and place between two level edges as shown in Figure 9. A balanced blade will center itself so the cutting edges are parallel with the edges.

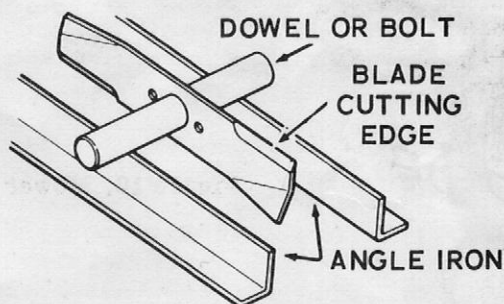


Figure 9

CAUTION Unbalanced blades are a hazard and will cause premature wear and failure of bearings and spindles. If the blades cannot be balanced by resharpening them, replace with new blades.

8. Check and clean out the inside of the deck housing periodically. Remove any grass wrappings between the blade mounting plates and the spindle housings. Grass wrappings, if allowed to accumulate, may work their way under the bearings and damage the seals. Excessive grass accumulation in the deck housing will waste engine horsepower and cause plugging and streaking as well as corrosion.

INSTALLATION

- A. Locate the tractor on a smooth and level surface. Check tires for equal and recommended pressures.
- B. Before mounting the mower, lay out the individual parts as illustrated in Figure 10. To simplify the original installation, all components are preassembled as far as practical and the attaching hardware is installed in its proper location.
- C. The following installation sequence is the same whether the tractor is equipped with hydraulic or mechanical lift.
- D. THE NUMERICAL REFERENCES ON THE ILLUSTRATION CORRESPOND TO THE INSTALLATION INSTRUCTION PARAGRAPH NUMBERS.

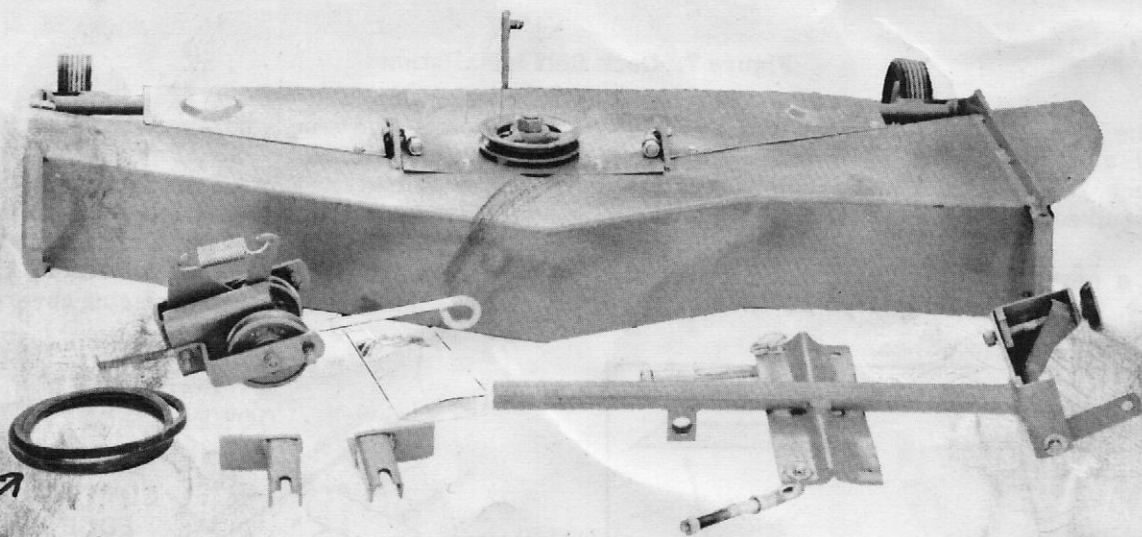


Figure 10. Mower Removal from Shipping Carton

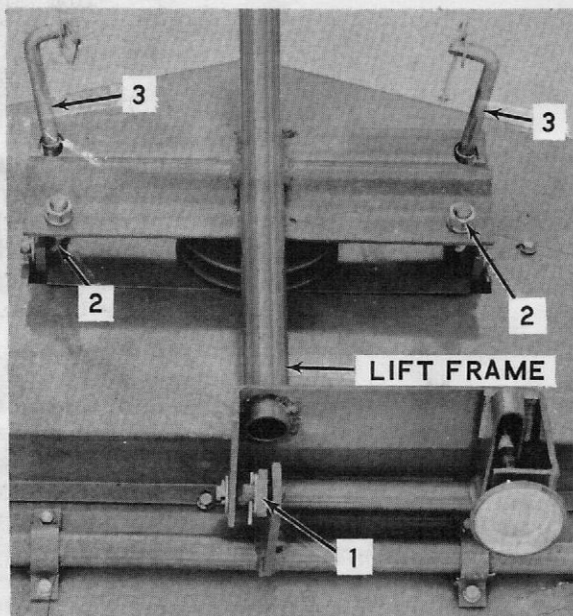


Figure 11. Lift Frame Assembled to Mower Deck

1. Position the lift frame on the mower and connect the rear attaching bar to the pin on the deck bracket using the plain washer and cotter pin. See Figure 11.
2. Remove the top nut and lockwasher from the fore - aft leveling links and check the lower nuts for approximately equal location. Place the leveling links through the lift frame and install the nuts and lockwashers "finger" tight. Do not tighten the nuts until the deck is leveled fore and aft at completion of installation.
3. Remove, turn around and reassemble the lift rods as illustrated in Figure 11.
4. Loosely attach the right and left hand front hanger brackets, Figure 12, to the forward set of square holes on each side of the tractor frame channels using the four preassembled square neck bolts, nuts and lockwashers.

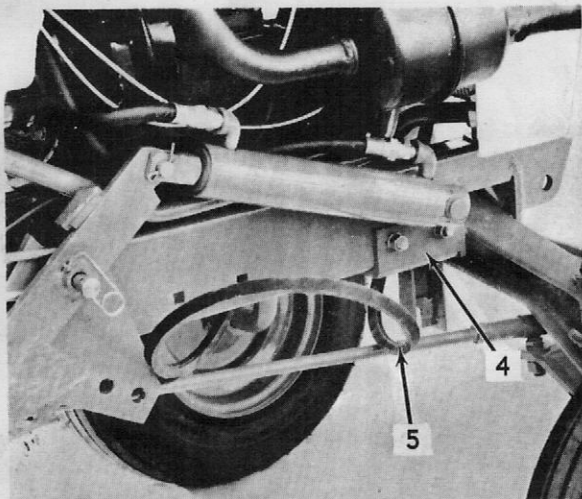


Figure 12. Installing the Front Mounting Brackets and Drive Belt

5. Pull the PTO lever out to the "ON" position. Carefully insert the drive belt up through the front end of the tractor frame channels, Figure 12, between the fan and heat exchanger and place over the clutch pulley. Push the PTO lever back into the "OFF" position.

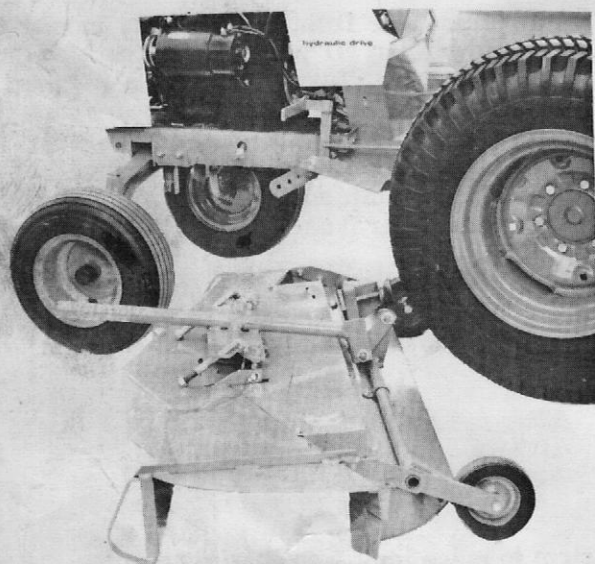


Figure 13. Positioning the Mower Under Left Side of Tractor

6. Slide the mower under the tractor from the left side as illustrated in Figure 13.

7. Position the drive belt under the mower lift tube and to each side at the forward end. Apply a light coat of grease to the forward few inches of the lift frame tube. Remove the anchor pin from the threaded end of the adjusting crank and start the idler assembly on the lift frame tube as shown in Figure 14. Slip the anchor pin through the tabs on the lift frame and connect the adjusting crank as illustrated.

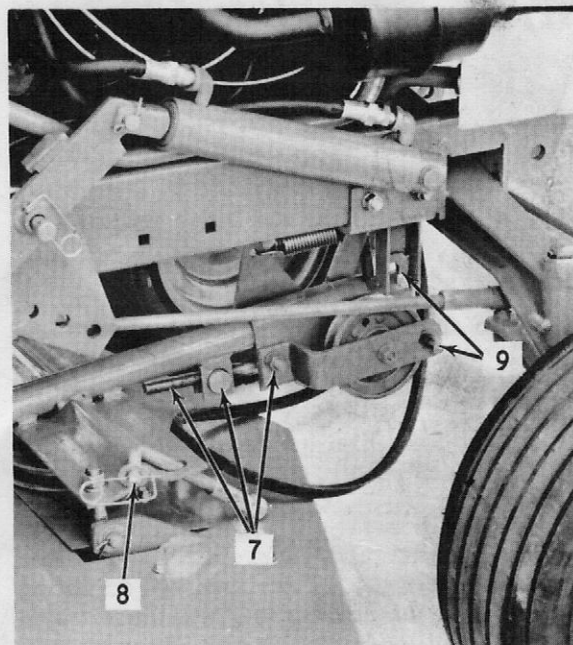


Figure 14. Connecting the Idler Assembly to Lift Frame and Front Brackets

8. Connect the lift rods to the front hole in the tractor lift levers. Tighten the locknuts onto the lower end of the lift rods as shown in Figures 15 and 16 so both start to lift mower at same time.
9. Remove the safety pin from each front mounting bracket. Be certain that the belt is forward of the idler pulleys on each side. Raise the idler assembly and insert the pins into the mounting bracket notches. Replace the safety pins and tighten the square neck bolts on each front mounting bracket.

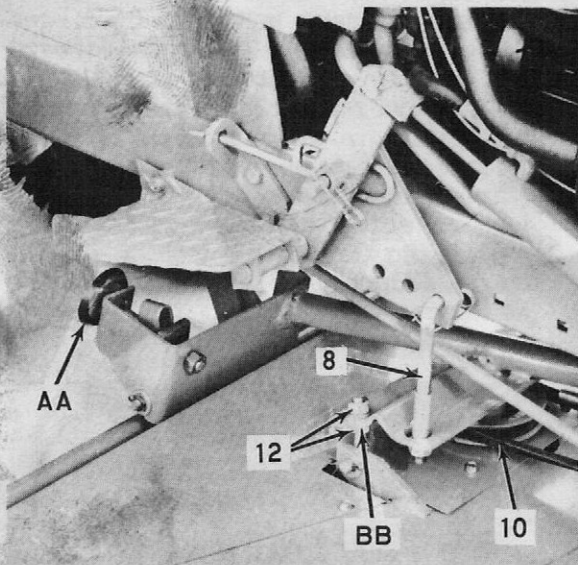


Figure 15. Installing the Drive Belt and Lift Rods

10. Turn the adjusting crank clockwise until the drive belt can be placed over the deck pulley without stretching, Figure 15. Belt must be positioned on PTO pulley and idler pulleys before placing over deck pulley.
11. Check to make certain the drive belt is not twisted and is properly positioned in all pulleys. Then turn the adjusting crank counterclockwise until the left hand idler pulley mounting bolt lines up with the inspection hole in the idler bracket.
12. To check for proper level, fore and aft, tire pressures must be correct and equal. Take measurements between a level surface and tips of mower blades. Measure as close to the front and rear ends of

NOTE The J. I. Case Company reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

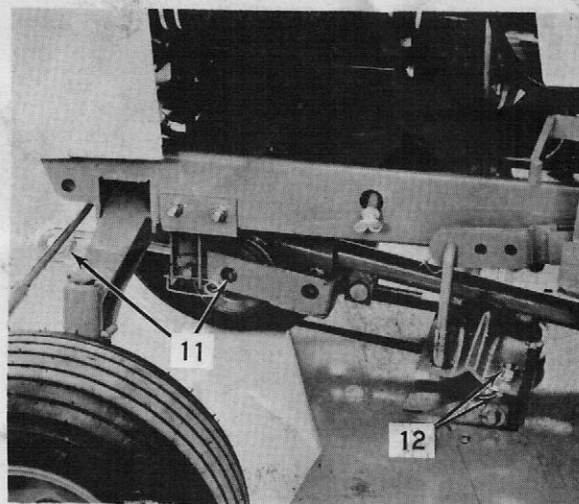


Figure 16. Tensioning Drive Belt and Leveling Deck "Fore and Aft"

the deck as possible. Set mower for approximately 2" cutting height using the adjusting knob, Reference "AA", Figure 15, or by placing a two inch block under each of blade cutting edges.

To raise the front of the deck, loosen the lower nut "D", Figure 5 on each adjusting link. Turn the upper adjusting nuts "C" downward until proper deck level is obtained. Then tighten the lower nuts to lock. To lower the front of the deck, back off adjusting nuts "C" and lock the lower nuts "D".

NOTE Set the lift lever wing nut in accordance with Paragraph 2 in the "Adjustments and Maintenance" section.

OPERATING CONTROLS

The principle components and controls of your rotary mower are identified in Figure 1 with the same description used throughout this manual.

All controls are conveniently located near the operator's position on the tractor. The mower blades are placed in motion by pulling outward on the tractor attachment drive clutch lever. The desired mowing height can be quickly adjusted with the height se-

lection knob. See inset photo, Figure 1. Generally best performance is obtained with the transmission in "Low" range and the engine running between 1/2 and 3/4 throttle. The throttle should be set as low as practical to obtain maximum fuel economy but high enough to prevent engine lug-down or labor which could cause overheating. Adjust the tractor ground speed with the Travel lever according to your mowing conditions.

OPERATING SAFETY SUGGESTIONS



LOOK FOR THIS SYMBOL
TO POINT OUT IMPORTANT
SAFETY PRECAUTIONS

1. Regard your rotary mower as a piece of power equipment and be sure this manual is read and understood by all who operate it.
2. Clear the lawn or area to be mowed of sticks, stones or any hard objects which could come in contact with the blades and be hurled out the discharge opening.
3. Do not permit children or pets in the area while mowing.
4. KEEP FEET AND HANDS AWAY FROM DISCHARGE OPENING AND MAKE NO REPAIRS UNLESS BOTH THE TRACTOR ENGINE AND PTO ARE SHUT OFF.
5. Fill gas tank out of doors and avoid spilling gasoline. Do not fill tank with gasoline while smoking or while engine is running.
6. Never allow children or young teenagers to operate the tractor and rotary mower.
7. Maintain your tractor and rotary mower in top operating condition.
8. Never get on or off the tractor while mower is running.
9. Operate in "Low" range and use greater caution on steep slopes or inclines.
10. Be sure you know how to stop the tractor and mower at a moments notice.
11. Give complete and undivided attention to the job at hand.
12. Stop the engine and disengage attachment drive when tractor is unattended.
13. Disengage attachment drive clutch when someone approaches.
14. Do not allow anyone other than the operator to ride on the tractor.
15. Never direct the mower discharge at people, pets, windows, or cars.
16. Disengage the attachment drive clutch whenever mower is in transport or lifted position.

STOP AND INSPECT THE MOWER FOR DAMAGE IMMEDIATELY AFTER STRIKING A FOREIGN OBJECT AND REPAIR DAMAGE BEFORE RE-STARTING AND OPERATING THE MACHINE.

OPERATING METHODS AND TIPS

1. Keep mower blades sharp and balanced as covered in Adjustments and Maintenance Section.
2. Operate engine between $1/2$ and $3/4$ throttle and regulate the ground speed Travel Lever according to mowing conditions. As a general rule, set the throttle as low as practical to obtain maximum fuel economy but high enough to avoid engine lug-down or labor which could cause overheating. Unless grass is unusually light, always operate in "Low" speed range.
3. If grass is heavy and higher than normal, results can be improved by mowing twice. Make the first cut with the mower set higher than normal; then repeat with the mower set at desired finished cut height. When mowing heavy grass, always discharge clippings away from the uncut area.
4. Figures 2 and 3 illustrate two systems for mowing. If the grass is high or heavy, always mow to throw the clippings away from the uncut area, Figure 2. If the grass is light and more thorough mulching is desired, discharge the clippings toward the center of the uncut area, Figure 3. When mowing in this manner, a final strip of mulched clippings about three to four feet wide will remain near the center of the lawn. This can be easily raked up to leave a well groomed appearance.
5. Trimming will be neater and closer by using the right side of the mower since the clippings will be discharged away from the object. Also the safety shield over the discharge opening prevents mowing as close to objects.
6. Do not step on the mower deck when getting on or off the tractor. If mounting the tractor from the right side, place your right foot on the right foot rest, your right hand on steering wheel and left hand on the seat back and step onto the tractor, swinging your left foot through between the steering wheel and seat.

When mounting from the left side, start with your left foot on the left foot rest, your left hand on steering wheel and right hand on seat back and step onto tractor swinging your right foot through between the steering wheel and seat.

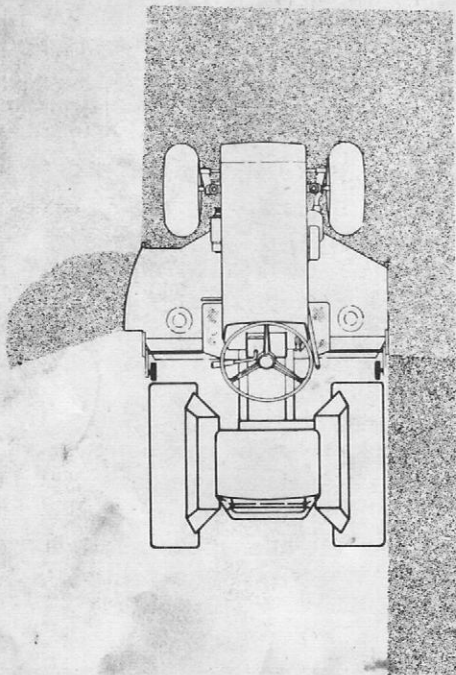


Figure 2.

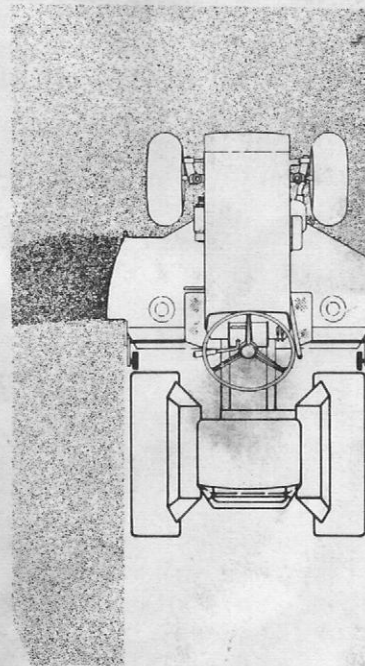


Figure 3.

Dismount the tractor using the reverse of the above procedures.



"YES, MR DEALER, I'VE
STUDIED THE MANUAL"

7. The tractor mechanical or hydraulic lift lever is used to raise the mower into transport and to lower it into cutting position. A slight pulling pressure on the mechanical lever will permit the release button to be more easily depressed. The "Height Selection" and "Depth Control" settings are explained in the ADJUSTMENT AND MAINTENANCE section which follows.
8. Be certain whoever operates the mower has read and understands the preceding "Operating Safety Suggestions."

ADJUSTMENTS AND MAINTENANCE

1. Height Selection Lever: See Figure 4

The mower cutting height is adjustable from 1-1/2" to 3-1/2" with 1/2" settings available in between. To change the cutting height, pull outward on the selection knob, move the lever up or down to desired height setting and push back into matching hole. Relieve the weight on the selection lever by raising the mower into transport position before adjusting the cutting height. Always operate the mower with the gauge wheels on the ground and all weight off the mower lift links to obtain a level and uniform cut.

IMPORTANT When the cutting height is changed, readjust the Depth Control Knob as explained in the following paragraph for proper mower flotation.

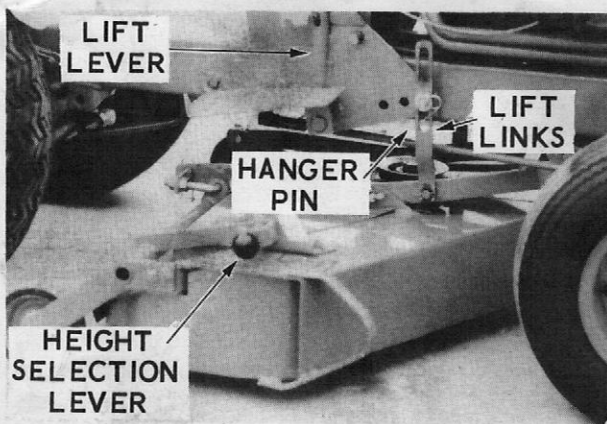


Figure 4.

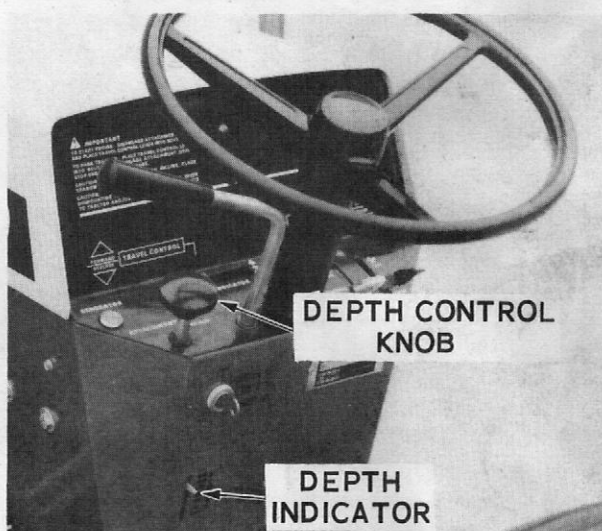


Figure 5

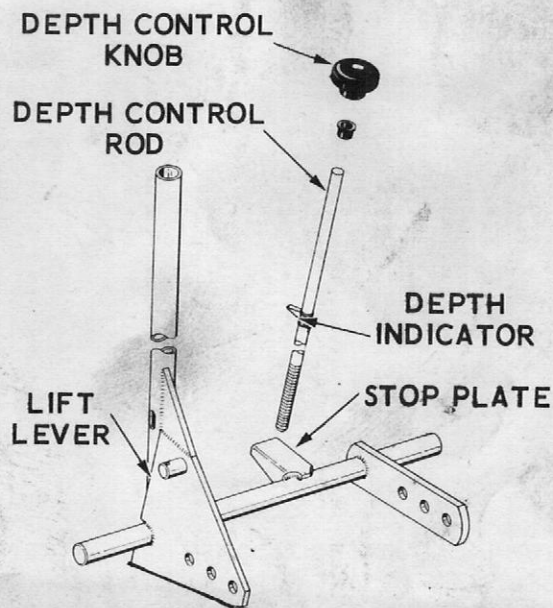


Figure 6.

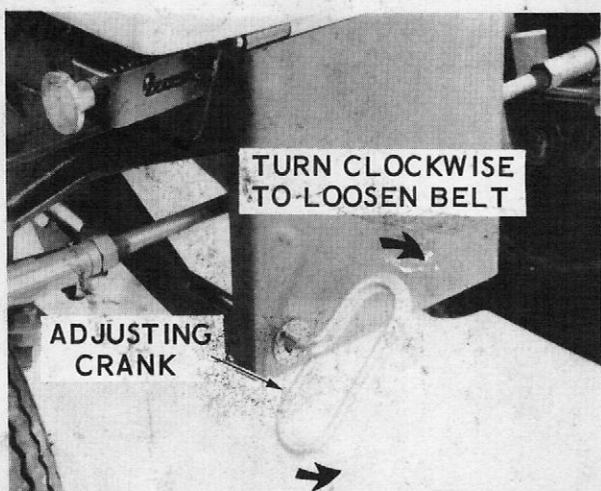
2. Mower Flotation Adjustment: See Figures 4, 5 and 6.

Adjust the mower for proper flotation after the Height Selector Lever is set at the desired cutting height. With the tractor and mower on a level surface, turn the Depth Control Knob up or down as necessary to "center" the hanger pin in the mower lift link flotation slot with the mechanical or hydraulic lift lever lowered as far as possible. Adjusted in this manner the mower is free to float up and down over the ground contour independent of the tractor.

NOTE When turning the Depth Control Knob, the lift lever must be in the raised (transport) position so the lift lever stop plate is not in contact with the depth control rod. You may find it useful for future reference to mark the position of the depth indicator on the decal when the depth control rod is correctly adjusted to your desired cutting height.

3. Mower Blade Bolts:

Before operating the mower for the first time, check the bolts holding the blades. **THEY MUST BE TIGHT.** After the first 8 hours operation, check them again. Whenever the blades are removed, it is a good practice to install new lock-washers under the bolts, and again check tightness after next 8 hours operation.



TURN COUNTERCLOCKWISE TO TIGHTEN BELT AND TO INSTALL OR REMOVE BRACKET ON MODEL 220 OR 222 TRACTORS

Figure 7.

4. Drive Belt Tension: S

The drive belt is proper when the two front idler in line (parallel with Check and adjust the tension belt after the first 20 minutes next hour of mowing since it is for a belt to stretch slightly during initial run-in period. To increase belt tension, turn the adjusting in a counterclockwise direction facing the front of the tractor. also necessary to turn the adjusting crank counterclockwise as far as go in order to attach or remove mounting bracket from model 222 tractors. To decrease tension or to install or remove turn the adjusting crank clockwise.

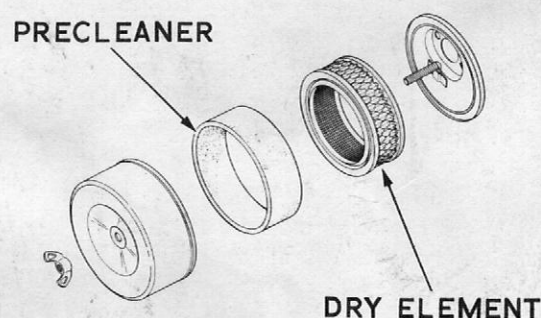


Figure 8.

5. Engine Maintenance:

Complete tractor and engine maintenance instructions are outlined on pages 12 and 13 of your tractor Operator's Manual. When mowing, give particular attention to the areas which are affected by grass accumulation. Check and brush off the engine air intake screen and heat exchanger fins DAILY. Also check and clean the engine air cleaner element daily as explained on page 21 of your tractor manual. If mowing under particularly dry or dusty conditions a "Precleaner," part number KO237421, is available through your J I Case Dealer which fits over the regular element. See Figure 8. This precleaner can be washed out with soap and water as necessary which will extend the life of the dry element furnished with the tractor.

Dismoi

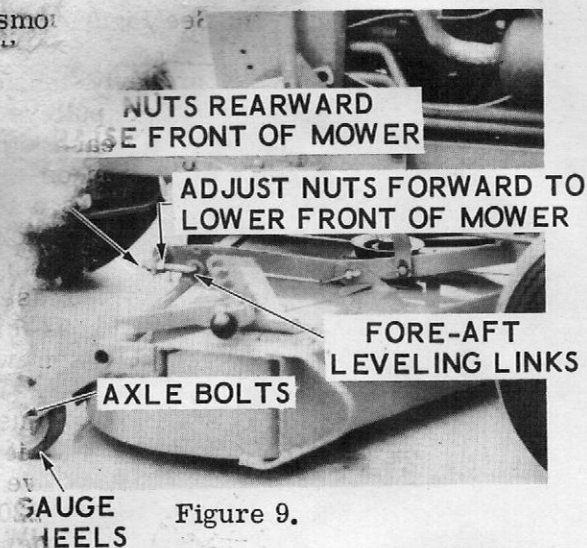


Figure 9.

6. Mower Fore-Aft Leveling Links: See Figure 9

These links are adjusted at the factory for correct mower deck level. Clean cutting and minimum horsepower consumption are dependent upon the mower being level, fore and aft. If readjustment should become necessary, locate the tractor and mower on a level surface and place the Height Selector Lever in the 2-1/2" setting before making adjustments. To raise the front of the mower, first loosen the outer nut on each link and then equally turn the inner nuts rearward. To lower the front of the mower, loosen the inner nut on

each link and turn the outer nuts forward. Check blade heights as close to the front and rear edges of the mower as possible. Distance between the blades and the level surface should be the same at both front and rear edges of mower.

7. Mower Gauge Wheels: See Figure 9

Remove the gauge wheels after each 10 hours of mowing and lubricate the bushings and axle bolts with chassis grease.

8. Mower Deck Belt Replacement: See Figure 10

The deck belt is automatically tensioned by a spring loaded idler pulley and does not require adjustment. If a new belt is installed, place it around the three spindle pulleys as illustrated. Place a 9/16" box wrench over the hex nut on the idler pulley and pivot the pulley towards the front of the mower until the belt can be easily placed over the back side of the idler as shown. Check to make sure the belt is not rolled or twisted before replacing covers.

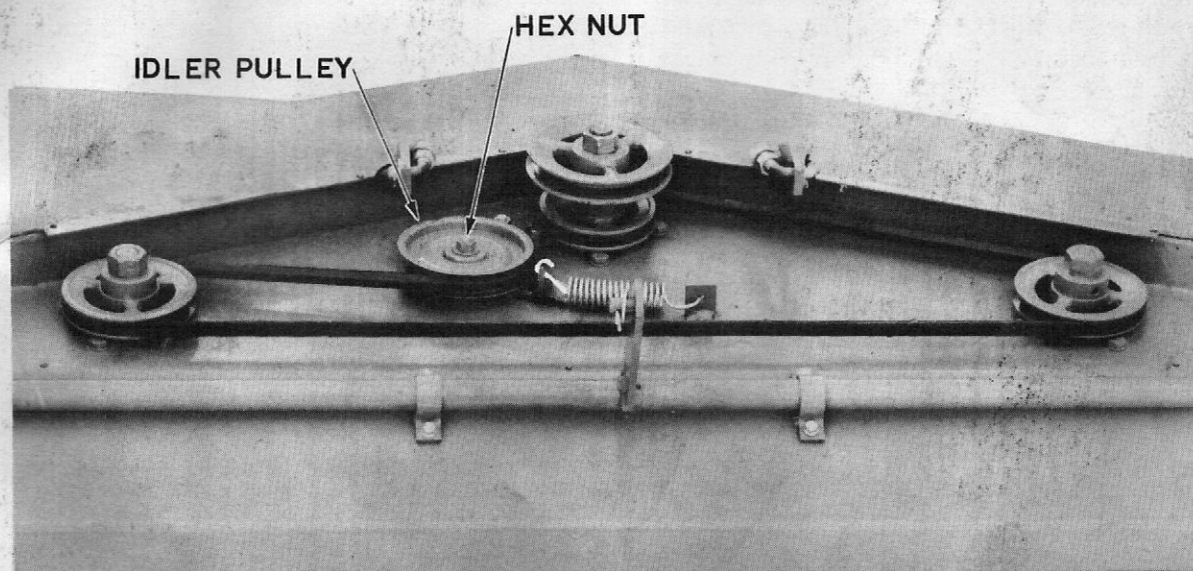


Figure 10.

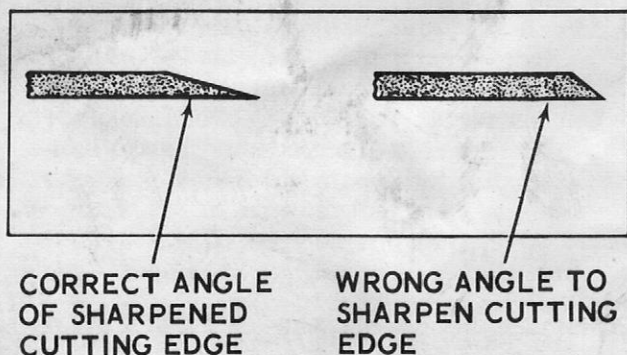


Figure 11.

9. Sharpening Blades: See Figure 11

Check the mower blades periodically for nicks or dullness. Damaged or dull blades can cause a shattered rather than clean cut and brown areas may develop. The left picture, Figure 11, illustrates the correct angle at which to resharpen the blade cutting edges. If the cutting edge is sharpened at a blunt angle as shown in the right picture, the grass may also be shattered rather than cleanly cut.

10. Balancing Blades: See Figure 12

After a blade is sharpened, check it for balance by inserting a dowel or bolt in the center hole and place between two level edges as shown in Figure 12. A balanced blade will center itself so the cutting edges are parallel with the edges.

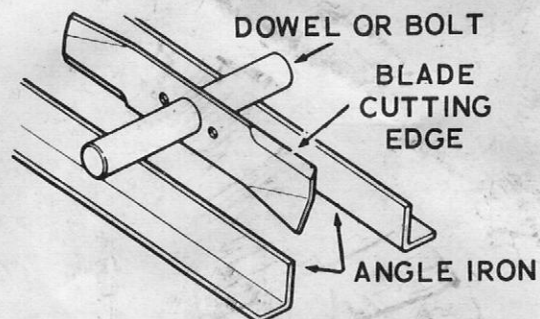


Figure 12.

CAUTION Unbalanced blades are a hazard and will cause premature wear and failure of bearings and spindles. If the blades cannot be balanced by resharpening them, replace with new blades.

11. Check and clean out the inside of the deck housing periodically. Remove any grass wrappings between the blade mounting plates and the spindle housings. Grass wrappings, if allowed to accumulate, may work their way under the bearings and damage the seals. Excessive grass accumulation in the deck housing will waste engine horsepower and cause plugging and streaking as well as corrosion.

INSTALLATION

- A. Locate the tractor on a level surface. Check tires for equal and recommended pressures as outlined on page 7 of the tractor operator's manual.
- B. Before installing the mower, lay out and check the individual components. The Model H44 or H46, 44" or 48" mower is illustrated in Figure 13 and includes an extra drive belt and lift link to permit their installation on either high or low clearance tractors without separate mounting kits. Since the Model H40, 38" mower is only intended for the Model 220 or 222 tractors, it does not include the extra belt or link.
- C. The following installation sequence is the same whether the tractor is equipped with hydraulic or mechanical lift.

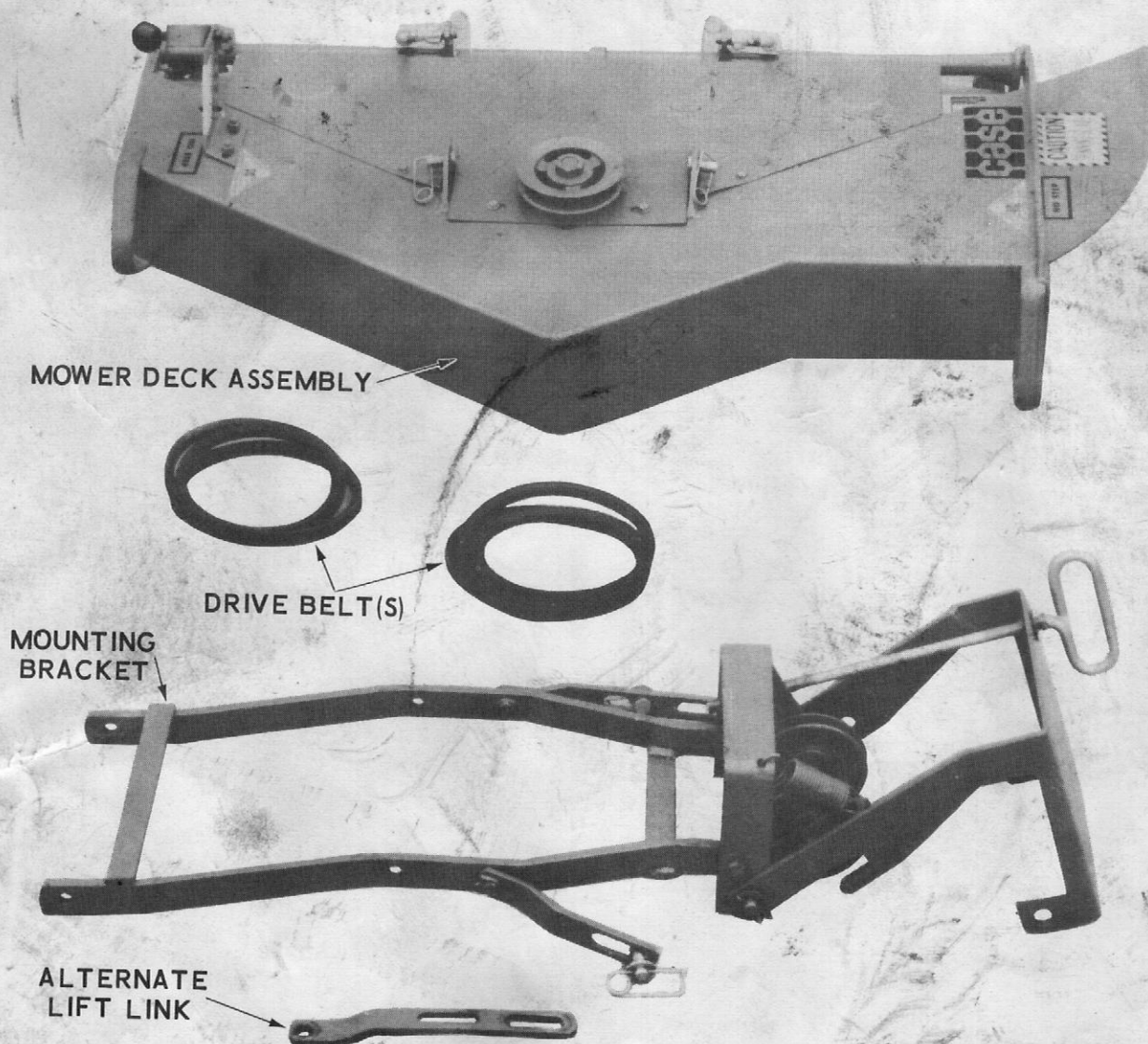


Figure 13.

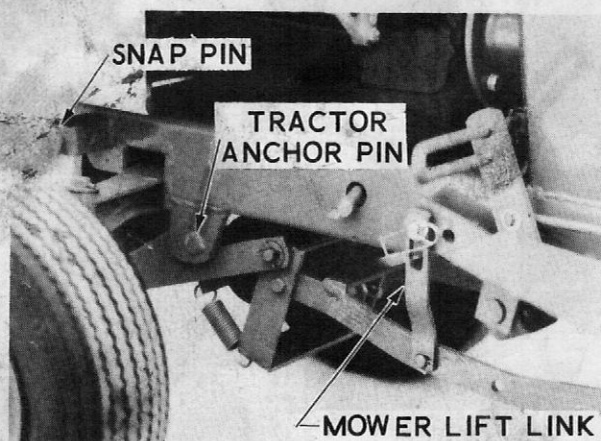


Figure 14.

1. The mounting bracket for the 38" model H40 mower is completely preassembled at the factory. There are two lift links packaged loose with the 44" model H44 and 48" model H46 mowers. See Figure 14. If the mower is being installed on Model 220 or 222 Tractors, assemble the shorter of the two links to the outside of the left hand side of the mounting bracket with the clevis pin and cotter pin furnished. If installing the mower on Model 442 or 444 tractors, assemble the longer link. Note that the link is assembled with the off-set outward.

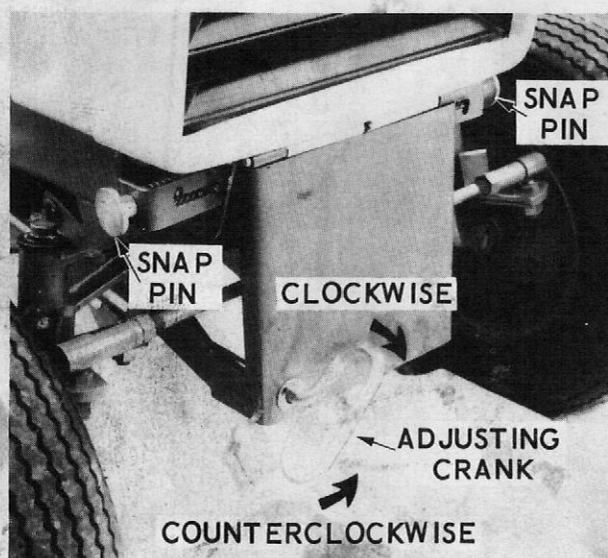


Figure 15.

2. Before attaching the mounting bracket on Model 220 or 222 tractors, turn the adjusting crank counterclockwise as far as possible to provide mounting clearance at the front axle. See Figure 15. This step is not required for the Model 442 or 444 tractors.

3. Position the mounting bracket under the front of the tractor and onto the anchor pins as shown in Figure 14. Raise the front of the bracket and release the snap pins to lock in place.
4. Place lift lever in the fully lowered position and connect the lift links to the front holes in the tractor lift lever. The depth control indicator (Figure 6) must be in the highest setting (at the top of the dash notch) in order to lower the lift lever sufficiently to install the link pins.

Use the upper slot in the lift links when mounting the mower on the Model 442 or 444 tractors. On Model 220 and 222 tractors, the link with the single slot must be used on the left side and if there are two slots in the right link, use the lower one to connect it to the lift lever.

5. Raise the lift lever into the transport position.

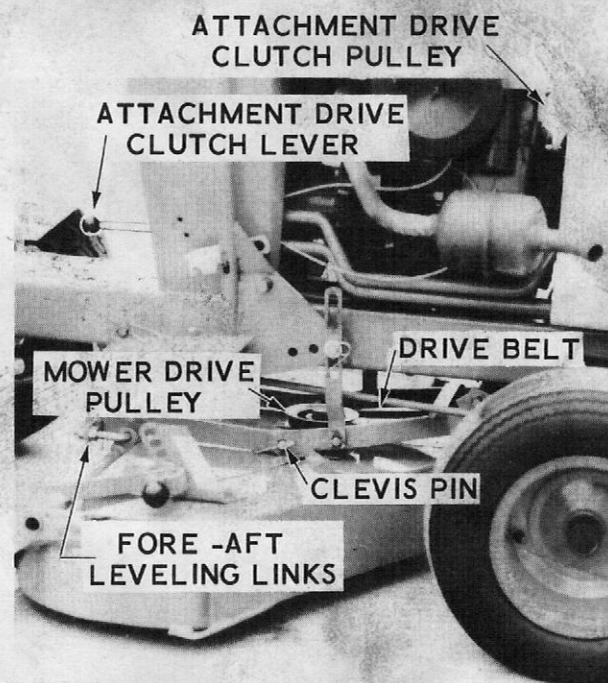


Figure 16.

6. Slide the mower under the tractor from the right hand side and align the deck with attaching holes in the mounting bracket. Lower the mounting bracket to the mower deck.