

**INTERNATIONAL<sup>®</sup>**

**54**

**Blade**

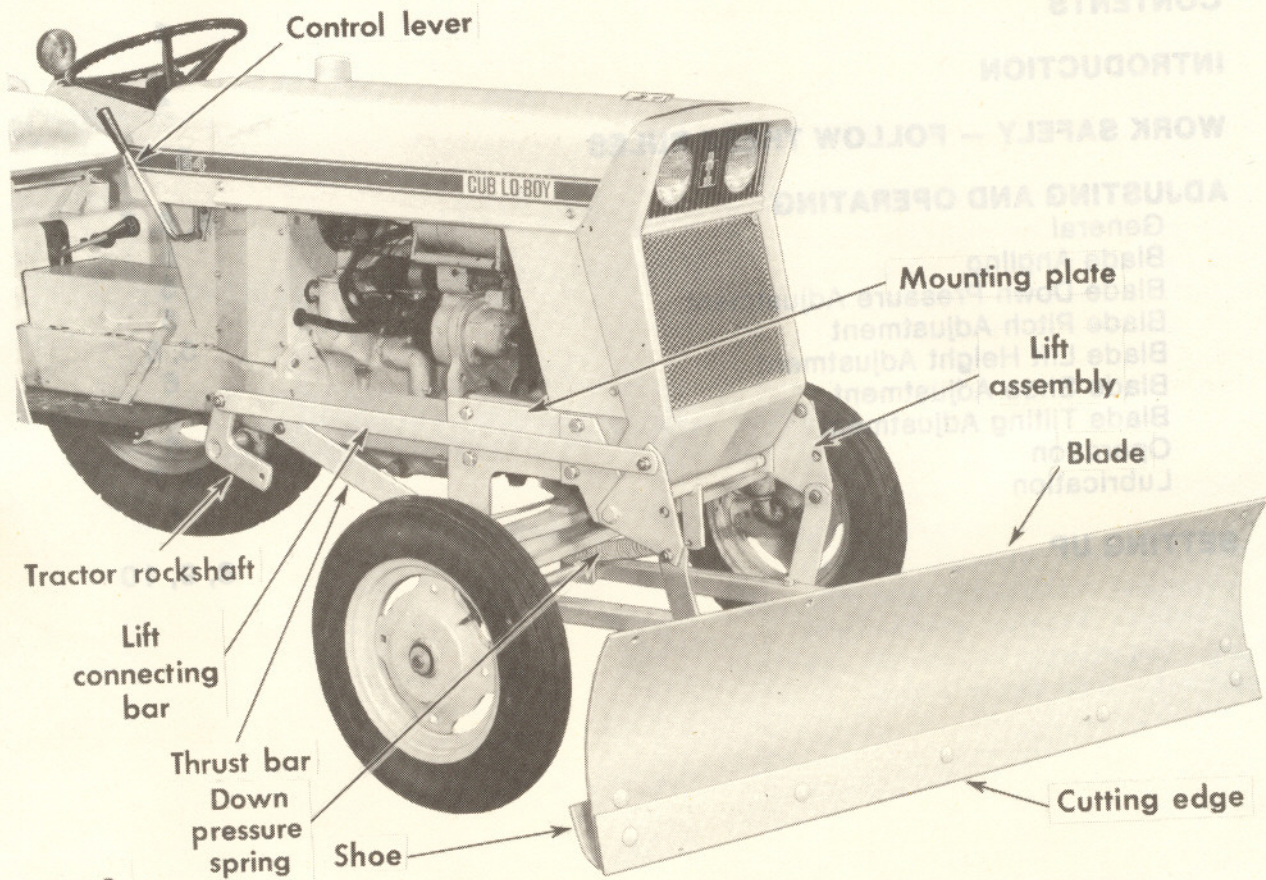
**SETTING UP INSTRUCTIONS**

**INTERNATIONAL<sup>®</sup>**

**OPERATOR'S MANUAL**



# INTRODUCTION



MA-247 B

Whenever the terms "left" and "right" are used, it should be understood to mean from a position behind and facing the machine.

# ADJUSTING AND OPERATING

## GENERAL

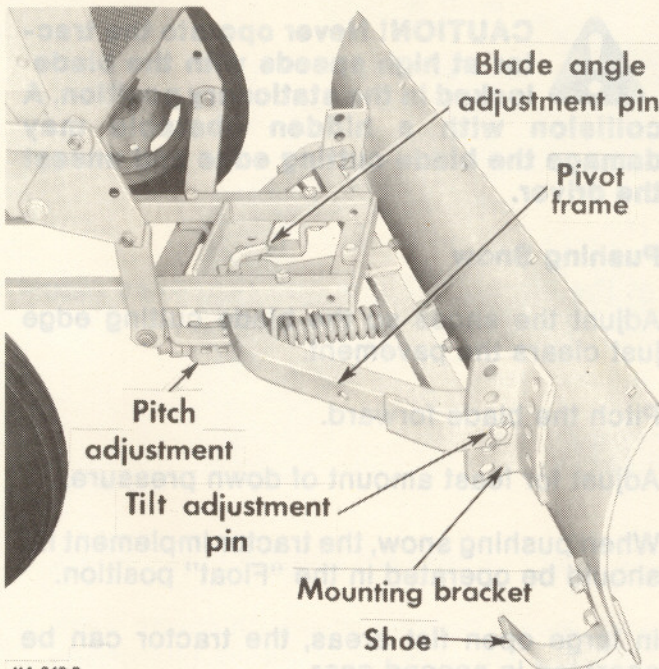
The blade is designed for use on the International Cub 154, 184 and 185 Lo-Boy Tractors equipped with a hydraulic lift system, for clearing snow, leveling soft dirt or sand, and other lightweight dozer jobs.

The blade is equipped with a safety trip to allow the blade to pitch forward and glide over low obstructions such as sidewalk edges.

The blade has a 54-inch cutting width so the tractor wheels will track within the patch cleared by the blade.

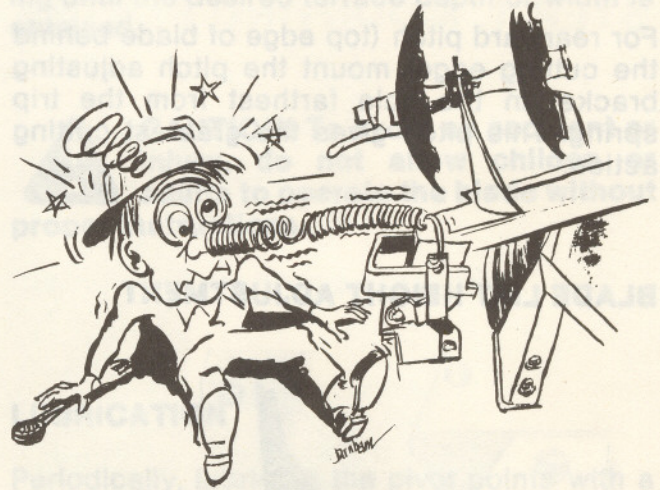
The cutting edge of the blade can be inverted for a new cutting surface. After both cutting edges have been worn away, it should be replaced.

## BLADE ANGLING



The blade can be angled to the right or left 11 or 22 degrees to move snow, soil, sand, etc. to one side of the tractor. To angle the blade remove the blade angle adjustment pin and rotate the blade to the desired position. Reinstall the pin to lock the blade in position.

## BLADE DOWN PRESSURE ADJUSTMENT

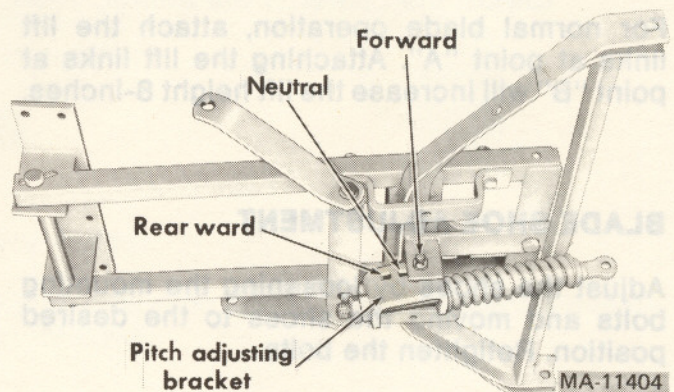


**CAUTION!** Read Operator's Manual before disassembly of a loaded spring.

MA-16850

The down pressure spring pushes the blade down to increase digging ability. To increase the down pressure, thread the adjusting nut onto the draw bolt. Refer to illustration on page 2.

## BLADE PITCH ADJUSTMENT

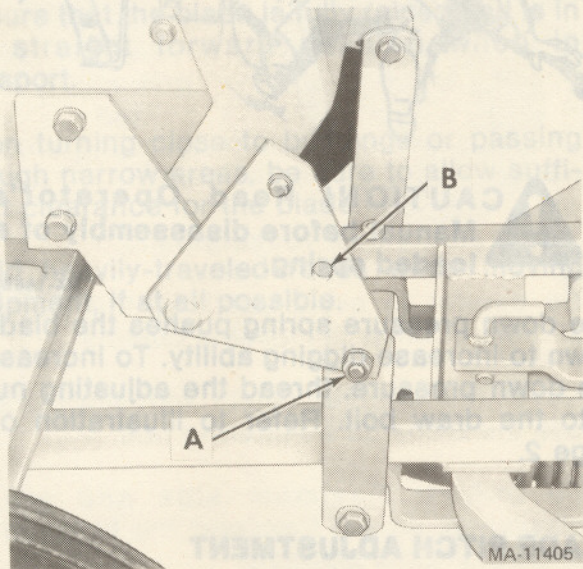


For forward pitch (top edge of blade forward of the cutting edge) mount the pitch adjusting bracket in the hole closest to the trip spring. This position gives the least cutting action.

For neutral pitch (top edge of blade even with the cutting edge) mount the pitch adjusting bracket in the center hole. This pitch gives moderate cutting action.

For rearward pitch (top edge of blade behind the cutting edge) mount the pitch adjusting bracket in the hole farthest from the trip spring. This pitch gives the greatest cutting action.

### BLADE LIFT HEIGHT ADJUSTMENT



For normal blade operation, attach the lift links at point "A". Attaching the lift links at point "B" will increase the lift height 8-inches.

### BLADE SHOE ADJUSTMENT

Adjust the shoes by loosening the mounting bolts and moving the shoes to the desired position. Retighten the bolts.

### BLADE TILTING ADJUSTMENT

The blade can be tilted from horizontal 5 or 10 degrees for terracing. **NOTE:** When tilting the blade, the pivot frame is to be mounted to the blade mounting brackets the same number of holes above the center hole on one side as below the center hole on the opposite side.

### OPERATION

**CAUTION!** To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders a safe distance away.

The exact adjustment of the blade depends upon the skill of the operator and the type of conditions and other factors under which the equipment is to be operated. The following will give a general guide for the use of the blade:

Operate the tractor in first gear and part throttle until familiar with the operation of the blade.

**CAUTION!** Never operate the tractor at high speeds with the blade locked in the stationary position. A collision with a hidden obstacle may damage the blade cutting edge and unseat the driver.

### Pushing Snow

Adjust the shoes so the blade cutting edge just clears the pavement.

Pitch the blade forward.

Adjust for least amount of down pressure.

When pushing snow, the tractor implement lift should be operated in the "Float" position.

In large open flat areas, the tractor can be operated in second gear.

## ADJUSTING AND OPERATING

### Light Grading

For light grading and spreading soil, sand, gravel, etc., adjust the shoes so they are even with the cutting edge. Pitch the blade to neutral. Adjust for moderate down pressure on blade. Control blade position with tractor implement lift. Operate the tractor in first gear.

### Heavy Grading

For heavy grading of soil, sand, gravel, etc., adjust the shoes so they are slightly above the cutting edge. Pitch the blade rearward. Adjust for maximum down pressure on the blade. Control blade position with tractor implement lift. Operate the tractor in first gear.

### Terracing

For terracing, adjust the shoes so they are approximately 1/4-inch or more above the cutting edge, depending on the rate of blade

penetration desired. Tilt the blade. Angle the blade away from the trench cut by the blade. Pitch blade rearward. Adjust for maximum down pressure. Control blade depth with tractor implement lift. Operate the tractor in first gear.

Once the desired angle of the terrace is achieved, level the blade and continue grading until the desired terrace depth or width is obtained.



**CAUTION!** To avoid an accident or injury, do not allow children or adults to operate the blade without proper instructions.

### LUBRICATION

Periodically, lubricate the pivot points with a good grade of engine oil.

1. Attach blade support bracket on top of mounting plates.
2. After attaching blade support frame assembly to mounting plates, attach down pressure spring and anchor bracket to the support frame bracket.
3. Attach the lift links to the lift assembly.

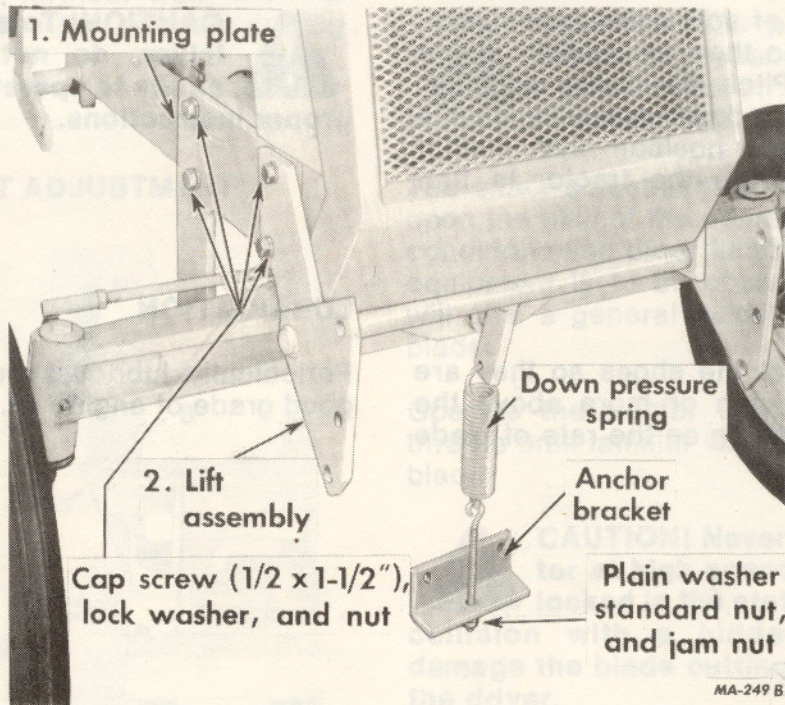
# SETTING UP

Remove all wires and arrange the parts conveniently.

Lubricate all moving parts as you proceed and see that they work freely.

Bolts and pins must be used in the holes in which they are found, or in the parts to which they are attached, unless otherwise shown.

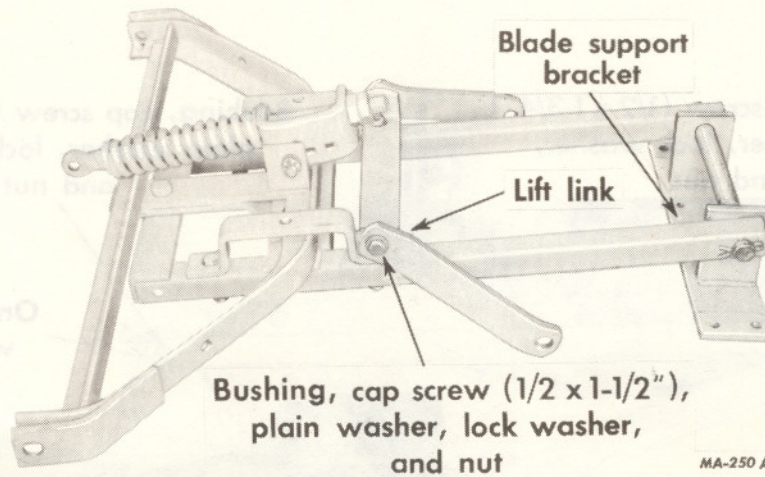
## STEP 1. MOUNTING PLATES AND FRONT LIFT ASSEMBLY



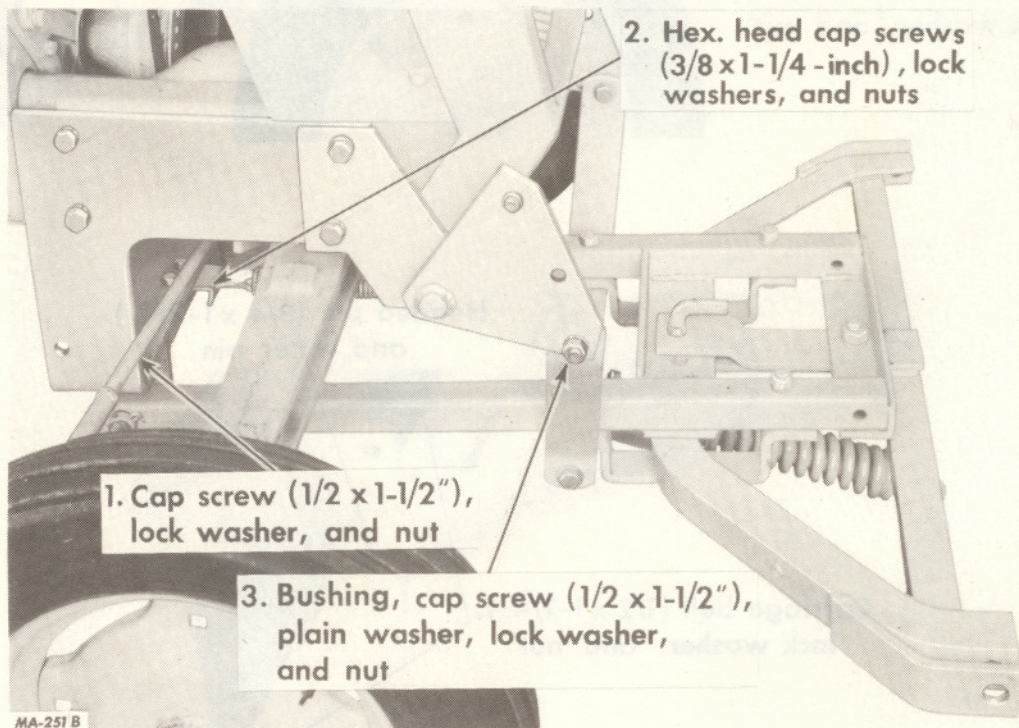
**NOTE:** Attach the mounting plates to each side of the tractor, the lips with two holes mount toward the center of the tractor. Then, attach lift assembly.

## SETTING UP

### STEP 2. BLADE SUPPORT AND DOWN PRESSURE SPRING



Blade support frame assembly turned over to show spring assembly.



1. Attach blade support bracket on top of mounting plates.
2. After attaching blade support frame assembly to mounting plates, attach down pressure spring and anchor bracket to the support frame bracket.
3. Attach the lift links to the lift assembly.

SETTING UP

STEP 3. BLADE, CONNECTING BAR, AND THRUST BAR

Bushing, cap screw (1/2 x 1-3/4"), plain washer, lock washer, and nut

Bushing, cap screw (1/2 x 1-1/2"), plain washer, lock washer, and nut

One plain washer

Two plain washers

Cap screw (1/2 x 1-1/4"), lock washer, and nut

MA-252 A

