

INSTALLATION AND OPERATION INSTRUCTIONS

DOZER BLADE
MFG. NO. 1691000

ASSEMBLY INSTRUCTIONS

1. Insert one spacer (B) in each one of the two mounting holes in the push bar (C). Position the push bar between "mounting ears" on backside of blade. Push the 1/2-13 x 1 capscrews (D) through as shown and install locknuts (E). Torque locknuts to 75 ft. lbs. (103 Nm). See figure 1.

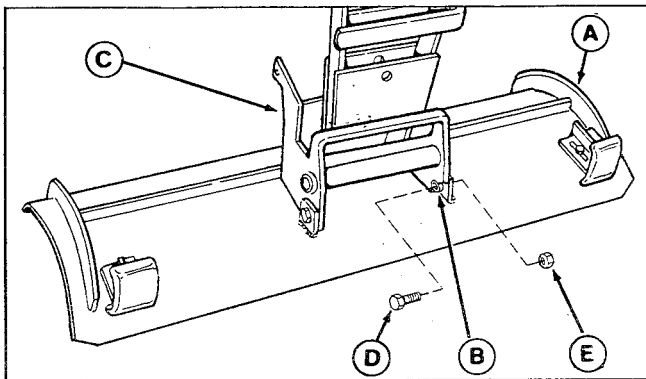


Figure 1.
A. Blade Assembly
B. Spacer
C. Push Bar
D. Capscrews
E. Locknuts

2. Install the two springs (A, figure 2) as follows.
 - a. Insert eyebolts (B) through the lugs and install a 5/16 nut (D) on the eyebolt, flush with end of eyebolt.
 - b. Hook rear ends of springs (A) onto push bar as shown. Stretch with pliers to hook springs onto eyebolts.
 - c. Tighten the nuts (D) to expose about 3/4" thread. Install a second 5/16 nut onto each eyebolt. Hold first nut and tighten second nut against it.
3. Insert the lift rod (figure 3) into position under tractor.

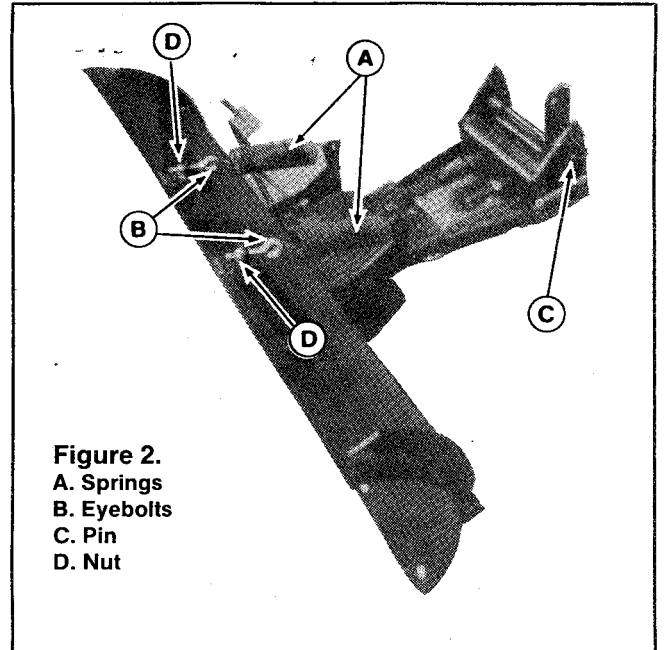


Figure 2.
A. Springs
B. Eyebolts
C. Pin
D. Nut

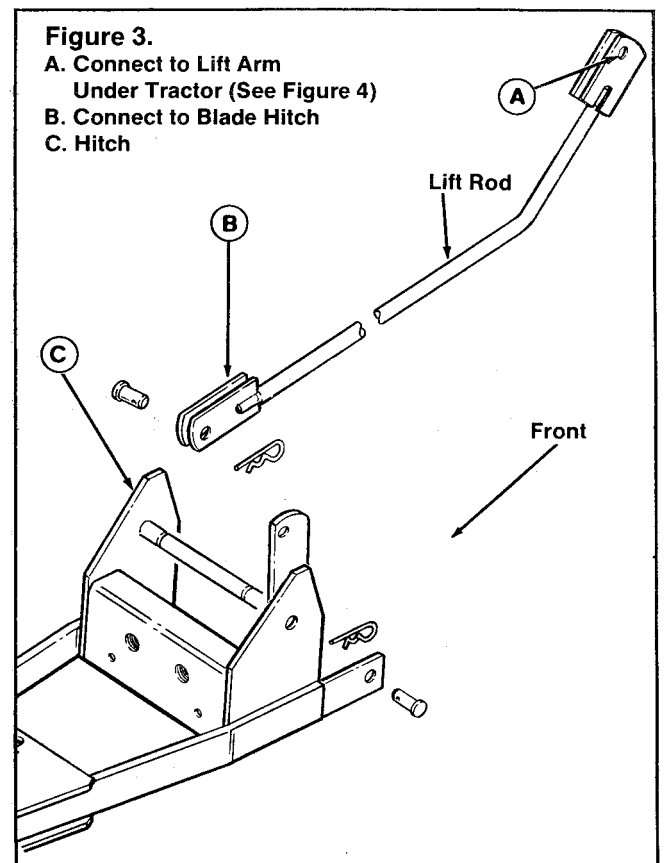


Figure 3.
A. Connect to Lift Arm
Under Tractor (See Figure 4)
B. Connect to Blade Hitch
C. Hitch

4. Connect rear of lift rod (C, figure 4) to lift lever under tractor with pin (A) and clip (B). Route the lift rod under engine mount and above axle. Front of lift rod is shown in figure 7 extending under front bumper.

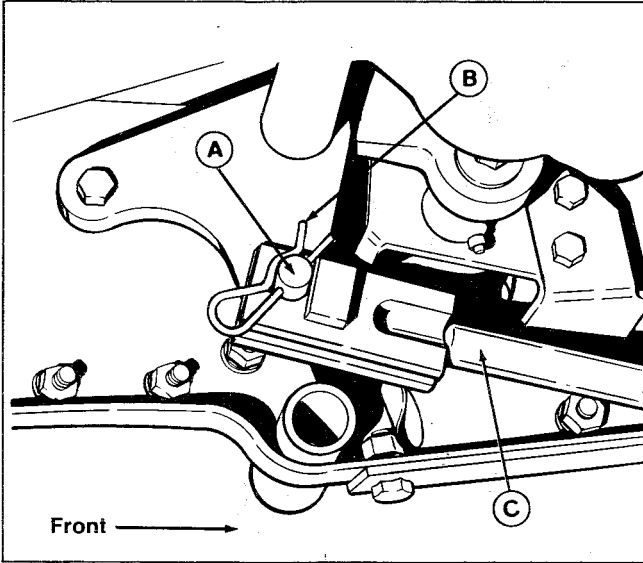


Figure 4.
A. Pin
B. Clip
C. Lift Rod

5. Position the dozer blade assembly in front of tractor hitch (figure 5). Raise the dozer hitch, and hook the pins (D), figure 6) onto the tractor hitch (A). Then raise the bar on either side of hitch. Insert pin (B) through hole in bar and tractor and secure pin with a clip (C).

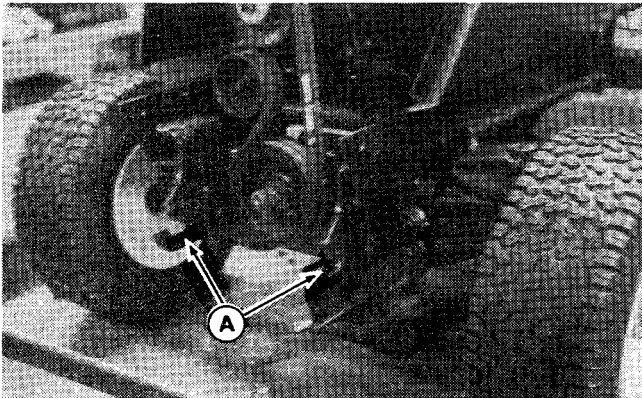


Figure 5.
A. Hitch

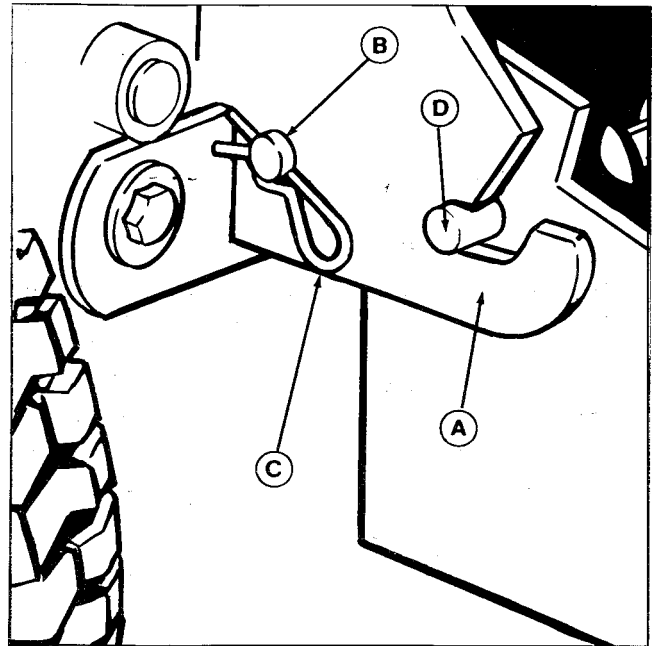


Figure 6.
A. Tractor Hitch
B. Pin, Moveable
C. Clip
D. Pin, Dozer

6. Connect the lift rod (C, figure 7) to the hitch with pin (B) and clip (A). Install pin so clip is to outside as shown.
7. Attach the support (J, figure 8) to tractor frame as follows. First, remove the existing hardware (A, figure 9) at right-rear engine mount. Install the support at this location, using new 3/8-16x1-1/4 carriage bolt, lockwasher, and existing nut.

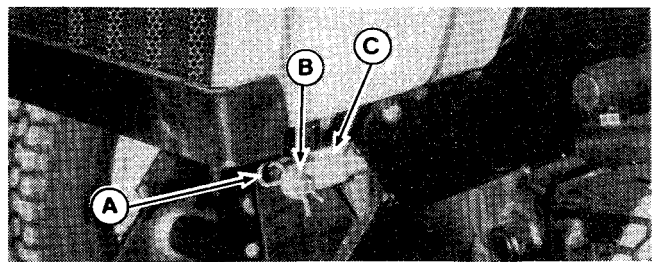


Figure 7.
A. Clip
B. Pin
C. Lift Rod

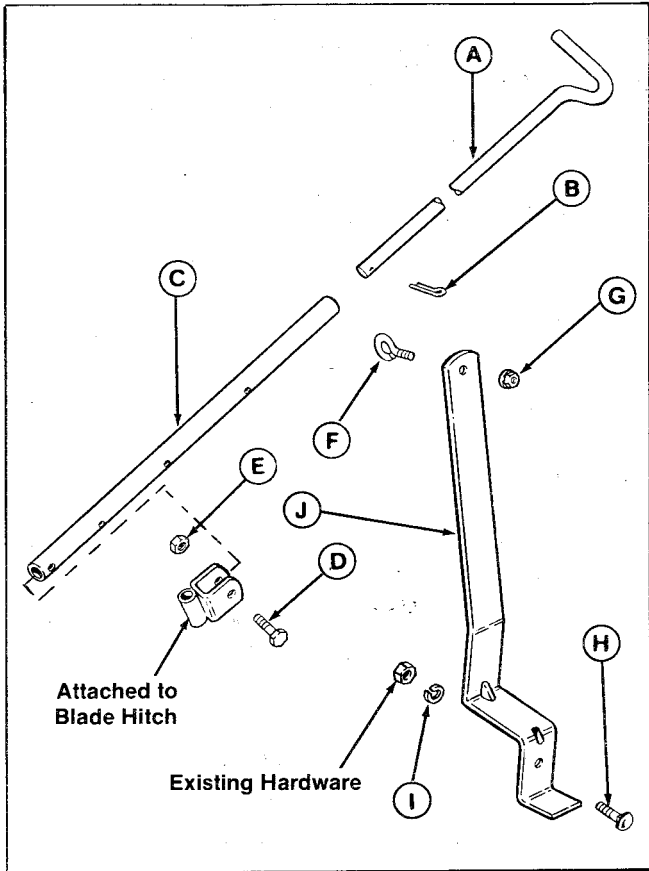


Figure 8.

- A. Handle
- B. Cotter Pin
- C. Extension
- D. Capscrew, 5/16-18x1-1/2
- E. Nut, 5/16
- F. Eyebolt
- G. Nut, 1/4
- H. Bolt, Carriage, 3/8-16x1-1/4
- I. Lockwasher, 3/8
- J. Support

8. Insert front end of extension (C, figure 8) into fork and attach with cap screw (D) and nut (E). Slip eyebolt (F) onto handle (A). Connect the handle (A) to the extension (C) with cotter pin (B). Spread both legs of cotter pin fully. Connect the eyebolt (F) to support with the nut (G). The control rod is shown in figure 10. (Figure 10 shows early model with one-piece control rod.)



WARNING

Do not attempt to adjust, repair, or service the snow plow / dozer blade while the tractor engine is running.

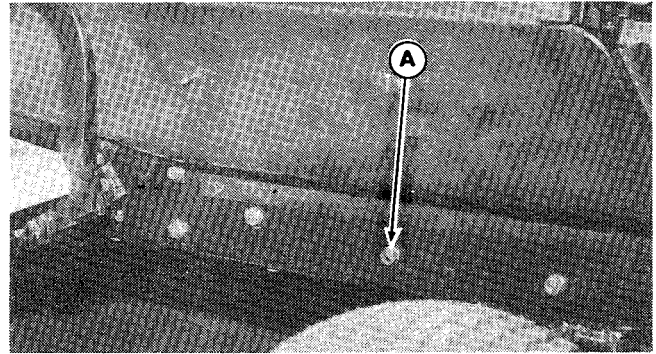


Figure 9.

A. Remove to Install Control Rod Support

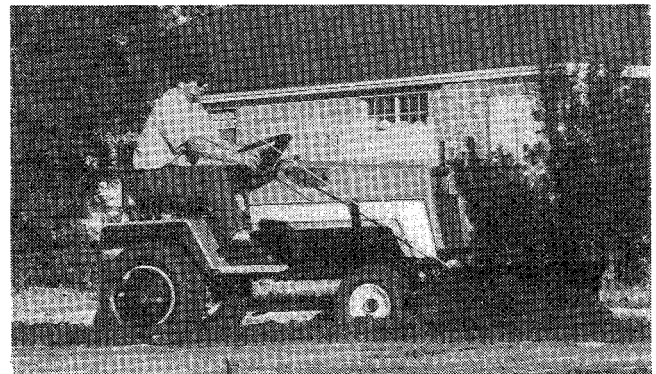


Figure 10.

ADJUSTMENT - TRANSPORT HEIGHT

1. Start the engine and raise the dozer to transport position, then stop the engine.
2. At transport position, the rear of the dozer hitch (C, figure 11) should not touch tractor upstops. To check, with blade in raised position, raise up on blade by hand. You should be able to raise blade one to two inches before dozer hitch touches tractor upstops. Adjustment is made by loosening the two nuts (A, figure 11), turning the bolts (B) equal amounts, then tightening nuts (A) when adjustment is correct.

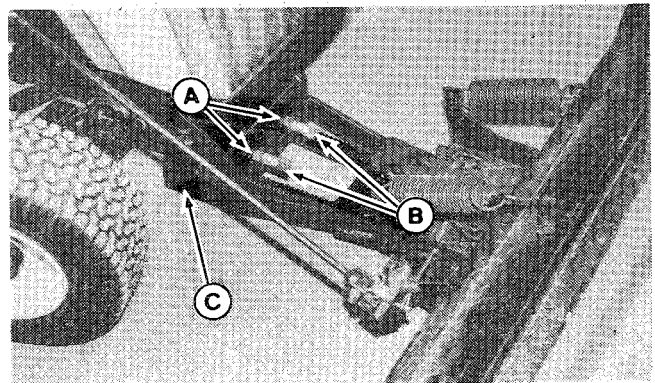


Figure 11.

- A. Nuts
- B. Bolts
- C. Hitch

ADJUSTMENT - SKID SHOES

For clearing snow from uneven or gravel surfaces, adjust the skid shoes so the blade rides above the ground. For grading, leveling or plowing smooth surfaces, adjust the skid shoes so the blade rides on the ground.

To adjust the skid, raise the blade off the ground and block with a piece of wood. Loosen hardware to move the skid shoes up or down to the desired height. Make sure the skid shoes are set to equal height.

NORMAL CARE

After dozing jobs, hose down the blade to remove excess dirt. Coat bare metal surfaces to prevent rusting. Lightly oil all pivot points.

If the wear plate on the bottom of the blade is worn excessively, replace it with a new one, or reverse it.

REMOVAL

To remove the dozer blade, disconnect hitch from tractor hitch, and disconnect handle from handle support. Also, be sure to remove the lift rod (C, figure 4) completely.

DOZING & SNOW PLOWING.

To change blade angle, rotate the control handle, change blade position, then release handle. Use lift lever to raise for transport or lower for operation.

When dozing, push the dirt to the desired location, then drag the blade backwards for final leveling. Pack down the dirt or gravel by driving the tractor over the leveled area.

Use any slight grade to your advantage. Plow downhill and set the blade angle so that plowed material (especially snow) is moving down hill as it leaves the blade. For large drifts of snow, bite off small amounts instead of plowing a full blade width.

Set tractor speed to obtain the needed power to move the material. Operate at a safe speed, depending on conditions, so that you have complete control of the tractor. Rear wheel weights and chains are recommended for slippery surfaces.

TRANSPORTING

For maximum ground clearance, transport the blade to and from work areas fully raised and angled straight ahead.



SAFETY RULES

- Do not allow anyone to use the snow plow/dozer blade unless they have been instructed on how to operate it safely.
- Never attempt to adjust, repair or service the snow plow/dozer blade while the tractor engine is running.
- Do not allow others near the snow plow/dozer blade while it is being used.
- Use the snow plow/dozer blade only in daylight, or good artificial light.
- Always lower the snow plow/dozer blade completely to the ground when leaving it unattended to prevent it from being accidentally lowered and causing injury.
- Always operate the tractor at reasonable speeds to prevent the blade from catching an object and stopping the tractor abruptly.
- Be particularly careful and operate at low tractor speeds in any area where the blade can hook on solid objects. Such objects can cause the tractor to be jarred or come to an abrupt stop.
- Also see tractor operator's manual.



WARNING

Never operate on slopes greater than 30 percent (16.7°) which is a rise of 3 feet (0.91 meters) vertically in 10 feet (3.1 meters) horizontally. Use front and rear wheel weights for slopes greater than 15 percent (8.5°) which is a rise of 1.5 feet (0.45 meters) vertically in 10 feet (3.1 meters) horizontally. See your dealer for wheel weights. Select slow ground speed before driving onto a slope.