

Models: All Yard Bugs 13A-325-190

Date: May 30, 2000

Subject: DECK LEVELING

⇒ Perform deck leveling on a flat, level surface. Turn ignition key to “OFF” position and remove key.

⇒ Check and adjust the air pressure in all four tires. The recommended air pressure is 12 p.s.i.

NOTE: *The valve stems are located on the inside of the front wheels and the outside of the rear wheels.*

### 1. Checking Rear Deck Height

- Open the bonnet and remove the grass catcher if installed. Place the lift lever in the highest position.
- Inspect the rear of the deck. If the deck is contacting the cable bracket on the front of the transmission, proceed with **Adjusting the Rear Deck Height**. If not, go to **Checking Front to Rear Leveling**.

### 2. Checking Front to Rear Leveling

- Place the deck in the highest position. Wearing work gloves to help prevent injury, rotate the blade so that it is pointed front to back (parallel to the rider). Depress and lock the deck engagement pedal.
- Measure the distance from the blade tips to the ground. The front tip should be 1/4” to 3/8” lower than the rear tip. If the deck is leveled correctly, go to **Checking Side to Side Leveling**. If not, proceed with **Front to Rear Leveling**.

### 3. Checking Side to Side Leveling

- Place the deck in the highest position. Wearing work gloves to help prevent injury, rotate the blade so that it is pointed side to side (perpendicular to the rider). Depress and lock the deck engagement pedal.
- Measure the distance from the blade tips to the ground. If the measurements are equal, the deck is level. If not, proceed with Side to Side Leveling.

## Adjusting the Rear Deck Height:

1. Completely loosen, but do not remove the top hex nut “A” of the three nuts that hold the hex bolt and the ferrule on the deck hanger link assembly. See Figure 1. See NOTE:.
2. Thread the middle nut “B” as far down as possible.
3. Locate the **lower links** at the rear of the deck. Working on one side at a time, disconnect the **helper springs** from them. See Figure 2.
4. Remove each **lower link** by removing both **cotter pins** and **washers**. See Figure 2.
5. Compare each **lower link** to the one shown in Figure 3. Reattach the them as shown in Figure 2; oriented as shown in Figure 3.
6. Proceed with **Front To Rear Leveling**.

NOTE: *Do not loosen or tighten the bottom nut “C”.*

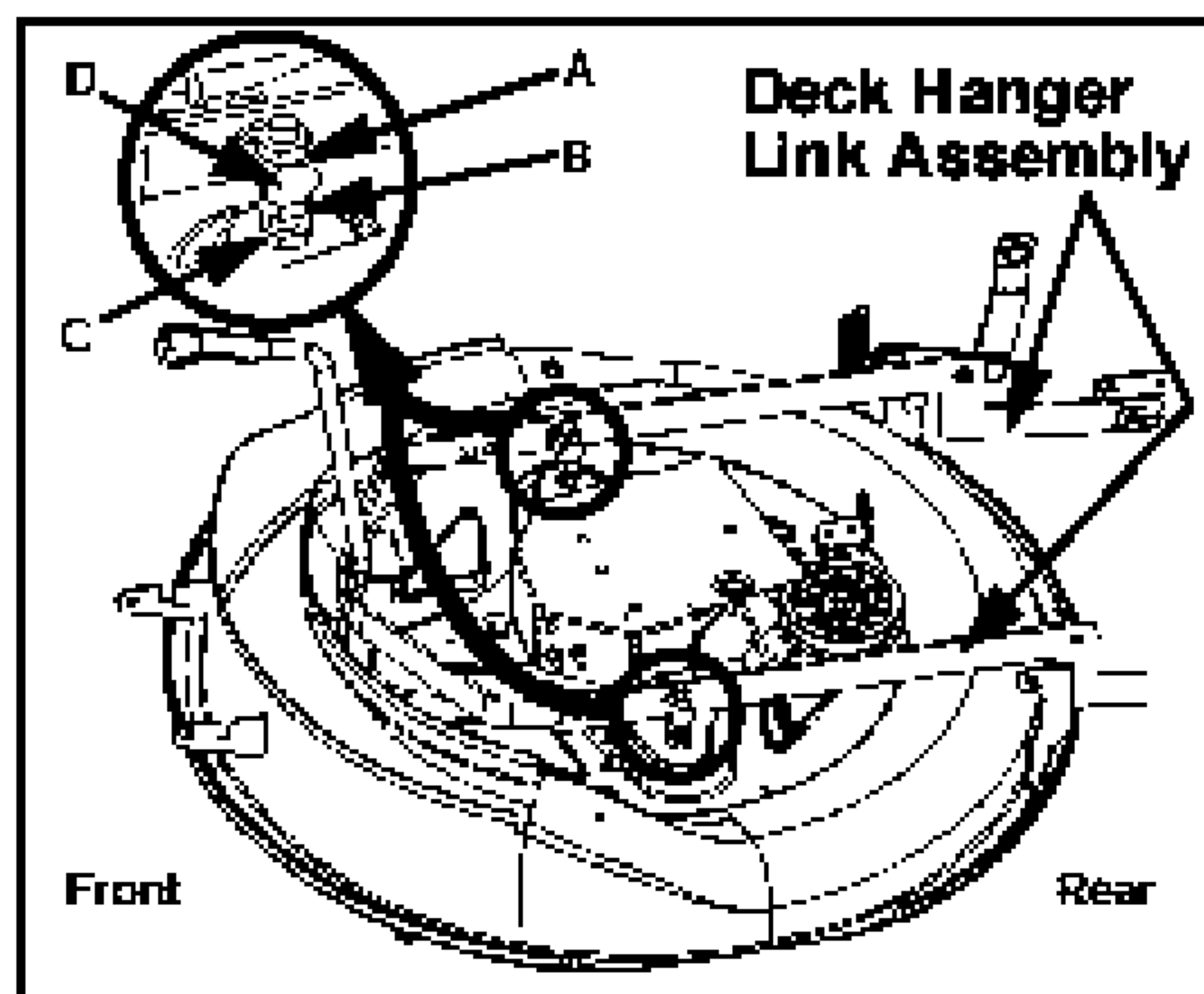


Figure 1

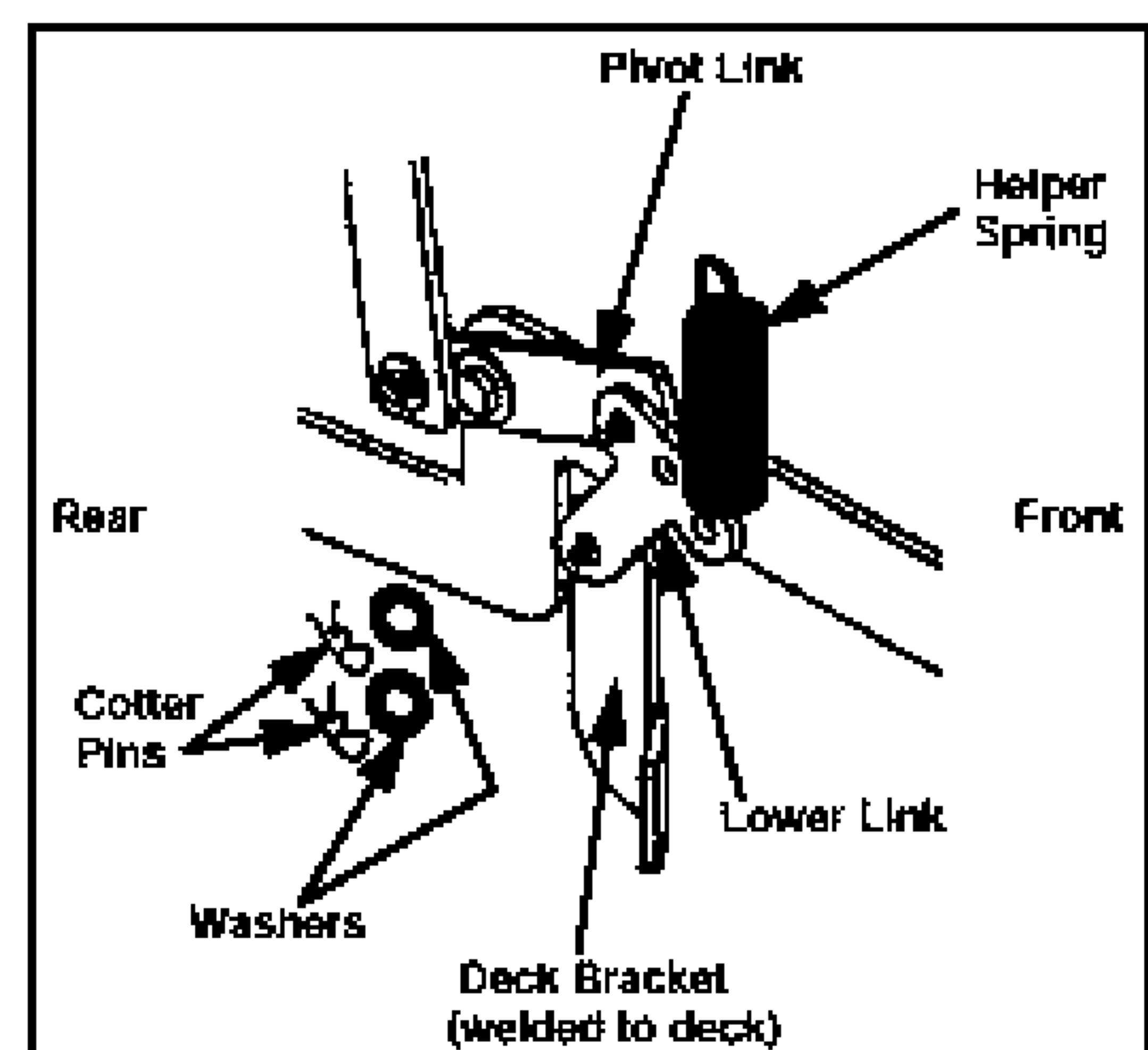


Figure 2

## Front to Rear Leveling:

1. Place the deck in the highest position. Wearing work gloves to help prevent injury, rotate the blade so that it is pointed front to back (parallel to the rider). Depress and lock the deck engagement pedal.

2. Completely loosen, but do not remove the top hex nut

“A” of the three nuts that hold the hex bolt and the ferrule on the deck hanger link assembly. See NOTE:.

3. Thread the middle nut “B” as far down as possible. See NOTE:.

NOTE: *Do not loosen or tighten the bottom nut “C”.*

4. Keeping an equal number of threads above each of the nuts, thread the upper nuts “A” down until the front tip of the blade is 1/4” to 3/8” lower than the rear tip of the blade. Threading the upper nuts “A” down raises the front of the deck. See Figure 1.

5. Thread the middle nut “B” up against the base of the ferrule “D”. Then tighten the upper nut against the top of the ferrule to lock the adjustment. See Figure 1.

6. Proceed With **Side To Side Leveling**.

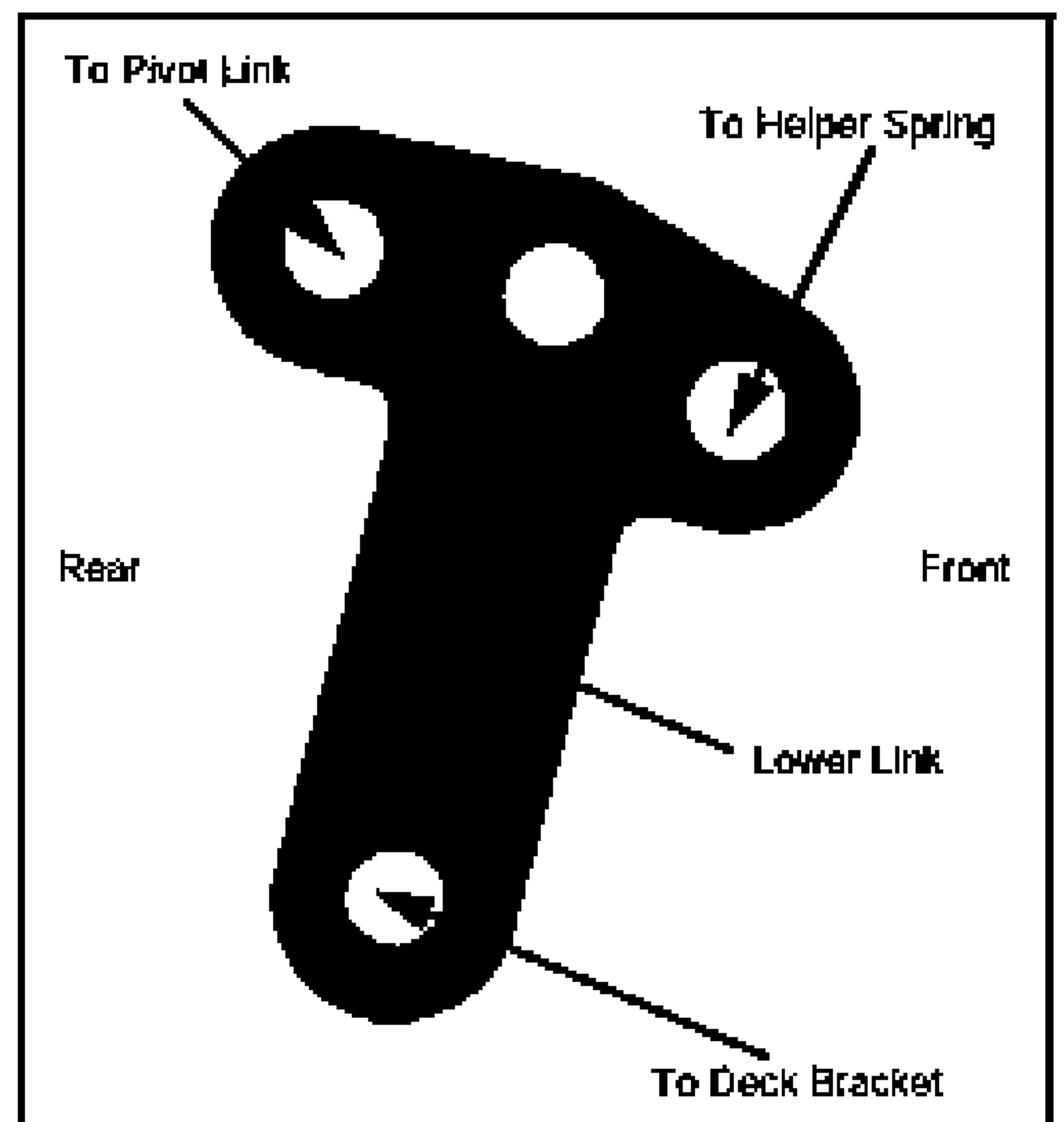


Figure 3

## Side to Side Leveling:

1. Place the deck in the highest position. Wearing work gloves to help prevent injury, rotate the blade so that it is pointed side to side (perpendicular to the rider). Depress and lock the deck engagement pedal.

2. Loosen the middle nuts “B” by turning them downward. See Figure 1.

3. By turning the top nuts “A” equal amounts in opposite directions, set both tips of the blade at an equal height from the ground. See Figure 1. NOTE: *Threading the top nut down will raise that side of the deck. Threading the top nut up will lower that side of the deck.*

4. Once the deck is level, thread the middle nuts “B” up and tighten them against the ferrules with a wrench. See Figure 1.

Test the operation of the mower and lift mechanism. The cut should be even and you should be able to place the lift rod in all of the cutting heights. If the cut is not even, recheck the deck leveling.

If the lift lever will not go into the low cutting position, modify the lift lever as follows.

NOTE: *For improved cut quality while bagging and discharging, use the optional high lift blade, part number 942-0578.*

## Modifying the Lift Lever:

1. Disconnect **lift rod** from the **deck hanger link assembly** by removing the shoulder bolt “E”, spring “F”, lock washer “G”, and nut “H”. Remove the **lift rod**. See Figure 1 and Figure 4.

2. Slightly straighten the bend at the base of the **lift rod**. Reattach the **lift rod** to the **deck hanger link assembly** and check the operation of the lift mechanism. It may take a few tries to get this right. See Figure 4.

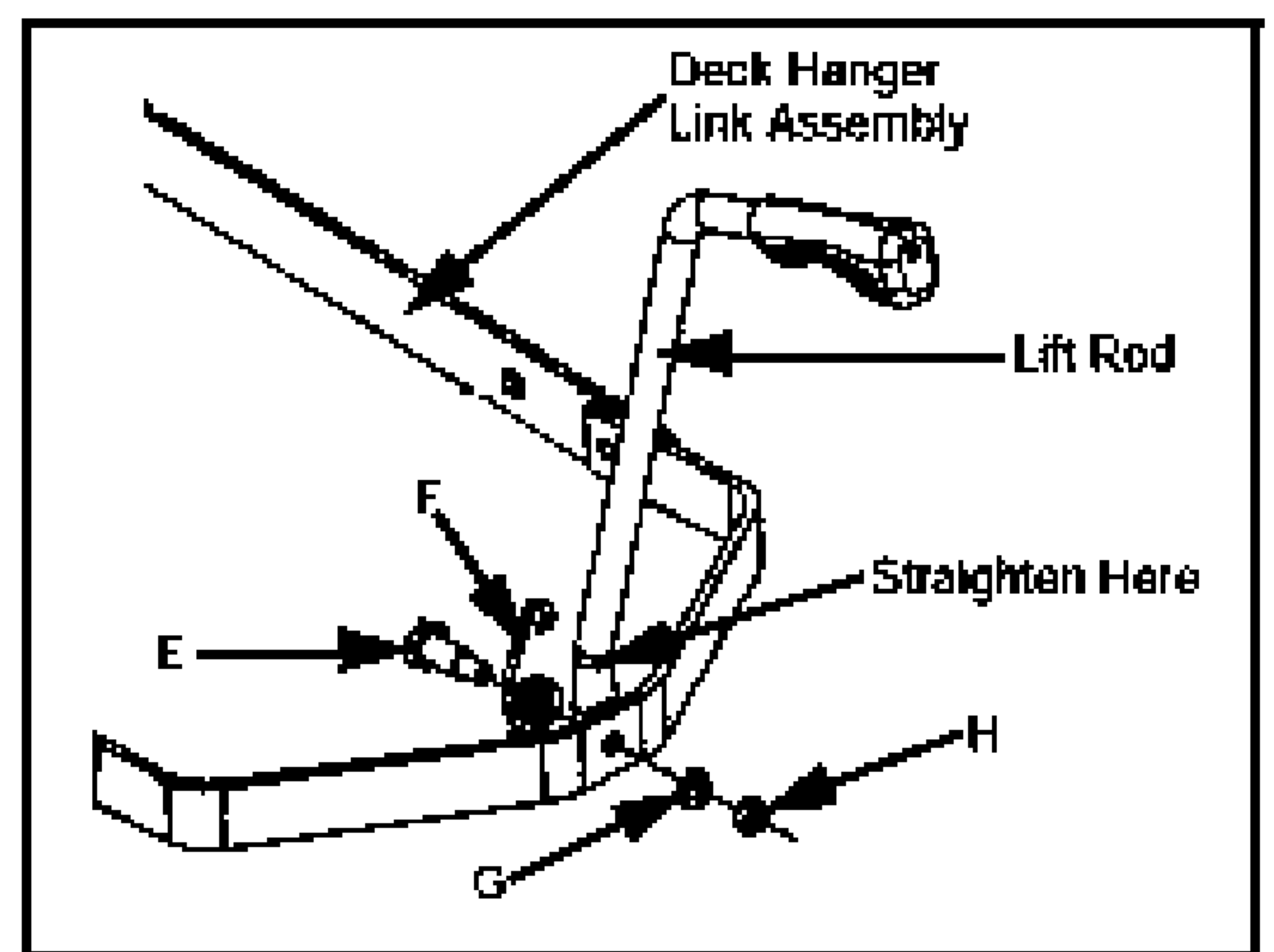


Figure 4

Warranty Allowance: Normal warranty terms will apply.

Service Manager	Parts Manager	Sales Manager	Service Tech.	Service Tech.

**Circulate and Initial**