

## Leveling the Mower at 3 Postions

### Setting Up the Machine

#### All models

1. Position mower on a flat surface.
2. Disengage the PTO, move the motion control levers to the neutral locked position and set the parking brake.
3. Stop the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
4. Check tire pressure of all four tires. If needed, adjust to 13 psi (90kPa).
5. Lower the mower to the 3 inch (76mm) height-of-cut position.
6. Inspect the four chains. The chains need to have tension.

**Note:** Adjust the rear chains to the top of the slot, where they are attached to the mower.

- If one rear chain is loose, lower (loosen) the front support arm on the same side. Refer to Adjusting the Front-to-Rear Mower Pitch page 7-30.
  - If one front chain is loose, raise (tighten) the front support arm for that chain. Refer to Adjusting the Front-to-Rear Mower Pitch page 7-30.
7. Level the mower side-to-side and front-to-rear.

## Leveling the Mower Side-to-Side

1. Position the right blade side-to-side (Fig. 503).

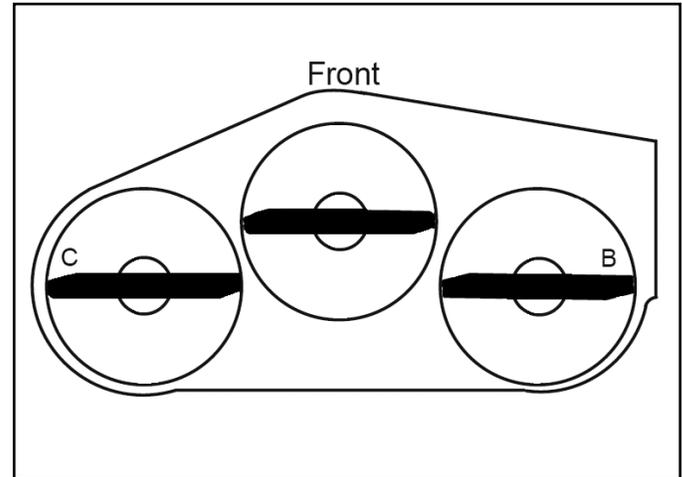


Fig 503

fig. 65 m-1078

2. Measure the right blade at the **B** location, from a flat surface to the cutting edge of the blade tip (Fig. 503).
3. Record this measurement. Measurement should be 3-1/8 to 3-1/4 inches (79 - 83mm).
4. Position the left blade side-to-side (Fig. 503).
5. Measure the left blade at the **C** location (Fig. 503), from a flat surface to the cutting edge of the blade tip.
6. Record this measurement. With the height of cut set at 3 inches (76mm) this measurement should be 3-1/8 to 3-1/4 inches (79 to 83mm).

# MOWER DECKS/PTO

- If the measurements at positions **B** or **C** are not correct, loosen the bolt attaching the rear chain to the rear support arm (Fig. 504).

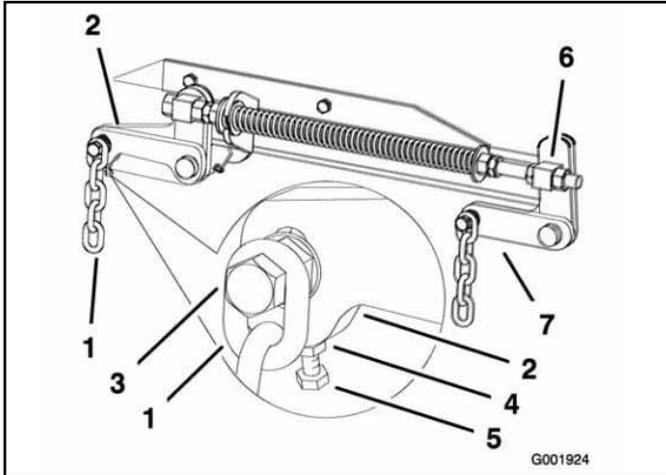


Fig 504 fig. 57 G001924

- |                     |                      |
|---------------------|----------------------|
| 1. Rear chain       | 5. Adjustment bolt   |
| 2. Rear support arm | 6. Front swivel      |
| 3. Bolt             | 7. Front support arm |
| 4. Jam nut          |                      |

- Loosen the jam nut under the rear support arm and turn the adjustment bolt to get a measurement of 3-1/8 to 3-1/4 inches (79 - 83mm) (Fig. 504).

**Note: It is recommended that both sides of the mower are adjusted the same distance.**

- Tighten the jam nut under the rear support arm and tighten the bolt securing the chain to the rear support arm.
- Adjust the opposite side if needed.

## Adjusting the Front-to-Rear Mower Pitch

- Position the right blade front-to-rear (Fig. 505).

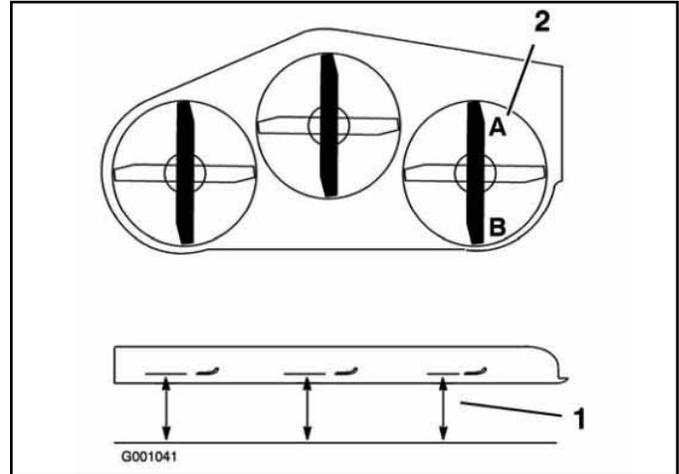


Fig 505 fig. 58 G001041

- Measure here from blade to flat surface
- Measure at A and B
- Measure the right blade at the **A** location, from a flat surface to the cutting edge of the blade tip (Fig. 505).
- Record this measurement.
- Measure the right blade at the **B** location, from a level surface to the cutting edge of the blade tip (Fig. 505).
- Record this measurement.
- The mower blade should be 1/4 to 3/8 inch (6 to 10mm) lower at position A than at position B (Fig. 505). If it is not correct, proceed to the following steps.

**Note: Both of the front swivels need to be adjusted the same amount to maintain equal chain tension and side-to-side level.**

# MOWER DECKS/PTO

- Loosen the front swivel jam nuts, at the front of the right and left swivels, approximately 1/2 inch (13mm) (Fig. 504).
- Adjust the lift nuts on both the left and the right side of the machine to achieve 1/4 to 3/8 inch (6 to 10mm) lower in front at **A** than in the rear at **B** (Fig. 504).
- Tighten both swivel jam nuts against the front swivel to lock the height.
- Check to make sure there is equal tension on the chains and adjust again if needed.
- Adjust this distance, by loosening the spring jam nut and turning the nut in front of each spring (Fig. 506).

**Note: Turning the nut clockwise will shorten the spring; counter-clockwise will lengthen the spring.**

- Lock the nut into position by tightening the spring jam nut (Fig. 506).

## Adjusting the Compression Spring

- Raise the mower lift lever to the transport position.
- Check the distance between the two large washers. It should be 11-1/8 inches (28.2cm) for 52 inch (132.1cm) mower decks (Fig. 506).

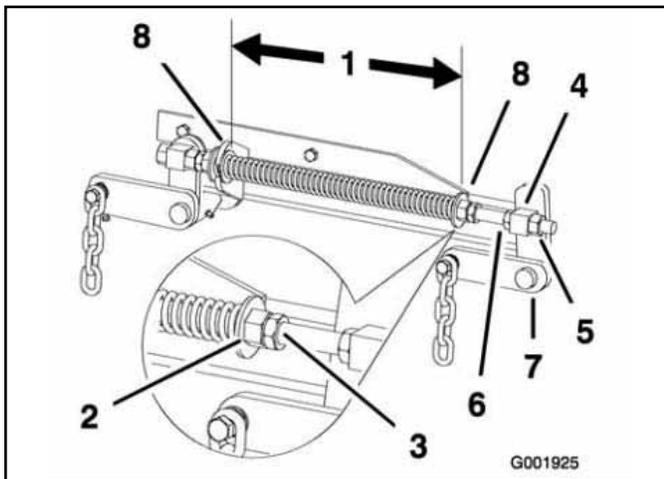


Fig 506

fig. 59 G001925

- |                     |                      |
|---------------------|----------------------|
| 1. 11-1/8" (28.2cm) | 5. Swivel jam nut    |
| 2. Front nut        | 6. Lift nut          |
| 3. Spring jam nut   | 7. Front support arm |
| 4. Front swivel     | 8. Large washer      |