

# Scotts Lawn Tractors S1642, S1742, and S2046 OMGX10784 G0

## Replacing Mower Drive Belt

**CAUTION:** Avoid injury! Rotating blades are dangerous. Before adjusting or servicing mower:

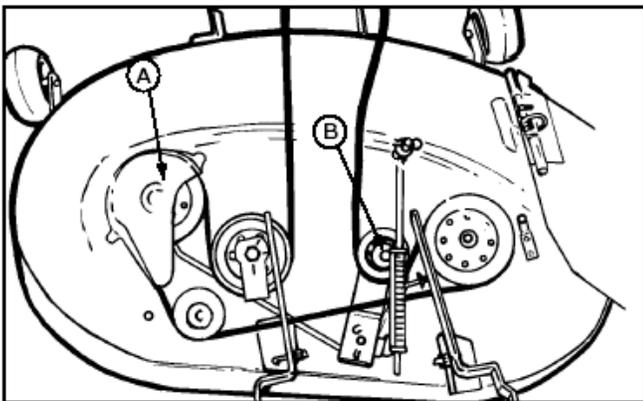
- Disconnect spark plug wire(s) to prevent engine from starting accidentally.
- Always wear gloves when handling mower blades or working near blades.

1. Park machine safely. (See Parking Safely in Safety Section.) Disengage mower blades and wait for all moving parts to stop.

2. Remove mower deck.

3. Remove drive belt.

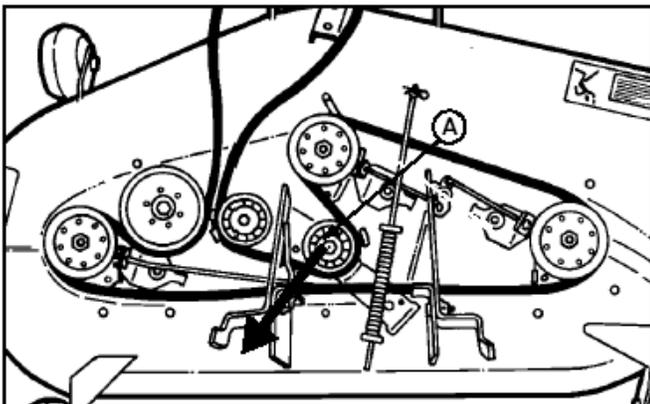
### 42-Inch Mower Deck:



- Remove two capscrews and belt guard (A).
- Loosen pulley (B) and move pulley to the right.
- Remove mower belt.

### 46-Inch Mower Deck:

- Remove six capscrews and left and right belt guards.



- Pull pulley (A) to the left and remove mower drive belt from engine pulley.

- Remove mower belt.
- Inspect belt for wear or damage; replace as necessary.
- Install belt in reverse order of removal.
- Reinstall belt guard(s) and tighten capscrews securely.
- Install mower deck and adjust mower belt tension, if necessary.

## Adjusting Mower Belt Tension

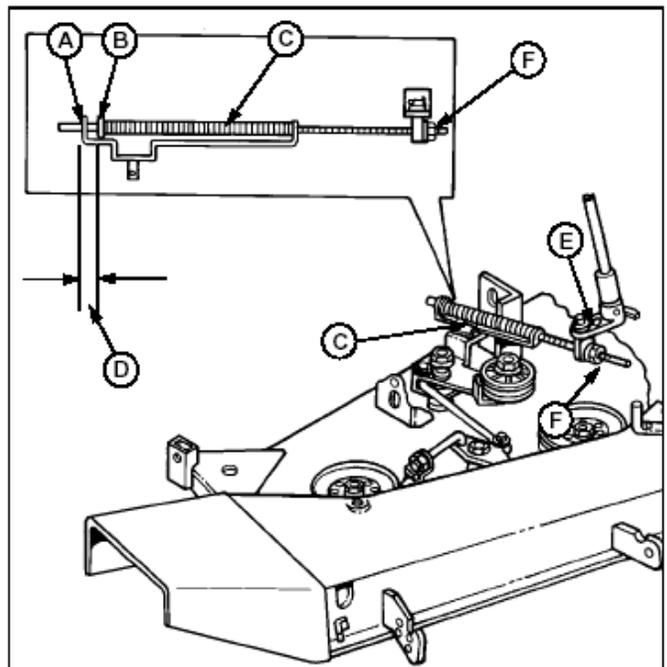
**CAUTION:** Avoid injury! Rotating blades are dangerous. Stop engine, remove key, wait for all moving parts to stop before servicing machine.

**IMPORTANT:** Avoid damage! Spindle brake engagement must be checked every time the mower belt tension is adjusted or belt damage may occur.

1. Park machine safely. (See Parking Safely in the Safety Section.)

2. Place mower deck in lowest setting.

3. Engage PTO drive lever.



4. Measure distance from bracket (A) to washer (B) on tension rod (C).

- Distance (D) should be: 20 - 25 mm (0.78 - 0.98 in)

5. Continue with the following steps, if adjustment is required.

6. Disengage PTO lever.

**CAUTION:** Avoid injury! Spring is under tension. Do not remove tensioning spring when adjusting mower belt tension.

7. Remove spring locking pin and washer (E) and disconnect tension rod from blade drive arm.
8. Loosen lock nut (F).
9. Turn fitting on tension rod clockwise to shorten and counterclockwise to lengthen effective rod length.
10. Tighten lock nut (F) to 27 N•m (20 lb-ft.).
11. Assemble tension rod and recheck dimension (D).
12. Check spindle brake clearance.

### Adjusting Spindle Brake



**CAUTION: Avoid injury! Rotating blades are dangerous. Mower blades must stop within 5 seconds after mower is turned off. Check spindle brake measurement every 25 hours or once a year (whichever comes first).**

**IMPORTANT: Avoid damage! Avoid belt damage.**

**Spindle brake engagement must be checked and corrected every time the mower belt tension is adjusted.**

**Mower belt tension should be adjusted, if required, BEFORE brakes are adjusted.**

1. Park machine safely. (See Parking Safely in the Safety Section.)
2. Place mower deck in lowest setting.
3. Engage PTO drive lever.
4. Check mower belt tension and adjust, if necessary.
5. Remove belt guard.