



Spartan RZ Tuff Torq Drive Belt Tension

Purpose: This document serves as a guide for the proper adjustment of the drive system idler pulley.

Background: It is important that the idler pulley spring tension is correct to help prevent premature wear and/or failure of the drive belt.

Proper Adjustment:

The picture below shows the correct adjustment for the mower pump spring tensioner bolt. Notice how only three threads protrude from the head of the outer flange nut. This allows for proper tensioning of the idler spring, and does not overstress the belt.

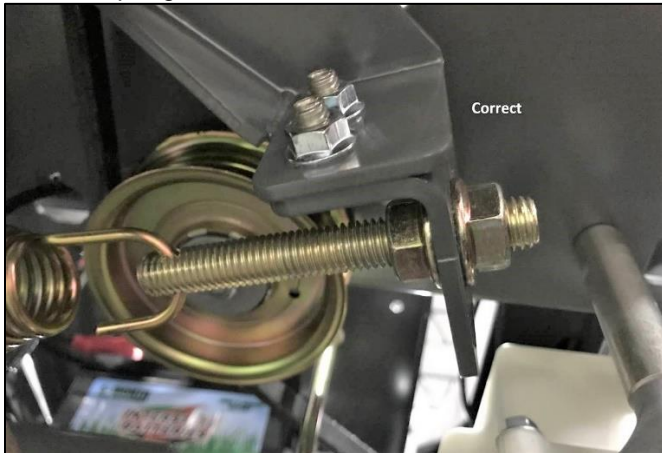


Figure 1: Correct Tensioner Adjustment

For reference, Figure 2 shows the location of both the pump idler pulley arm and the spring tensioner as viewed from the bottom-rear of the mower.

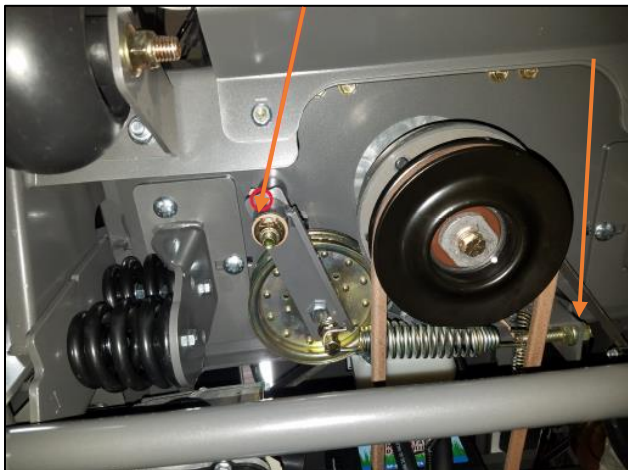


Figure 2: Pump Idler Pulley Arm and Tensioner Locations

Figure 3 illustrates the INCORRECT adjustment of the spring tensioner bolt. Notice how much further the bolt is run through the bracket as compared to Figure 1.



Figure 3: Incorrect Tensioner Adjustment

To correct an over-tightened tensioner bolt:

1. Loosen the inner flange nut to allow for adjustment.
2. Loosen the outer flange nut to allow for the tensioner to loosen until only three (3) threads remain above the nut.
3. Tighten the inner flange nut securely to ensure that the adjustment will not move during mower operation.

If you have any more questions about the drive system of your mower, consult your owner's manual or contact your authorized Spartan dealer.