

Installation Instructions

Drive Tensioner Update Kits

Part No. 5600670

Fits Ferris IS600Z & IS700Z and
Simplicity Champion XT and Citation XT Models

Kit Contents					
Part No.	Qty.	Description	Part No.	Qty.	Description
5025394	2	Nut, 3/8-16 Hex Nylock Flange	5100632	1	Spring-Ext, 1.25OD X 9.3LG X .142WR, BLK
5020923	1	Spacer, Shoulder			

⚠ WARNING



Remove the ignition key prior to performing maintenance on the unit.

Before beginning any service work turn off the PTO, engage the parking brake, turn off the ignition, remove the ignition key, and disconnect the spark plug wire(s).

Installing the New Drive Tensioner Spring and Spacer

1. Park the unit on a flat, level surface such as a concrete floor. Disengage the PTO, engage the parking brake, turn off the ignition, and remove the key.
2. Raise the seat plate to gain access to the drive tensioner system.

⚠ WARNING



Stored Energy Device

Improper release of the belt tension spring can result in personal injury. Use extreme caution when removing the spring.

3. Loosen the jam nut (A, Figure 1) that locks the position of the eyebolt (B) in the frame.
4. Carefully loosen and remove the nylock flange nut (C) that secures the eyebolt to the frame. Discard this nylock nut.
5. Loosen and remove the nylock flange nut (D) that secures the idler pulley (E) to the idler arm (F). Remove the 3/8 washer (G), tensioner spring (H), and spacer (I). Discard the nylock flange nut and the spacer.
6. Install the new stepped spacer (A, Figure 2) onto the bolt that secures the idler pulley (B) to the idler arm (C). It should be orientated so that the larger end of the spacer is facing down.
7. Install the spring hook of the tensioner spring (D) onto the smaller end of the stepped spacer. The spring should be positioned so that the large base of the

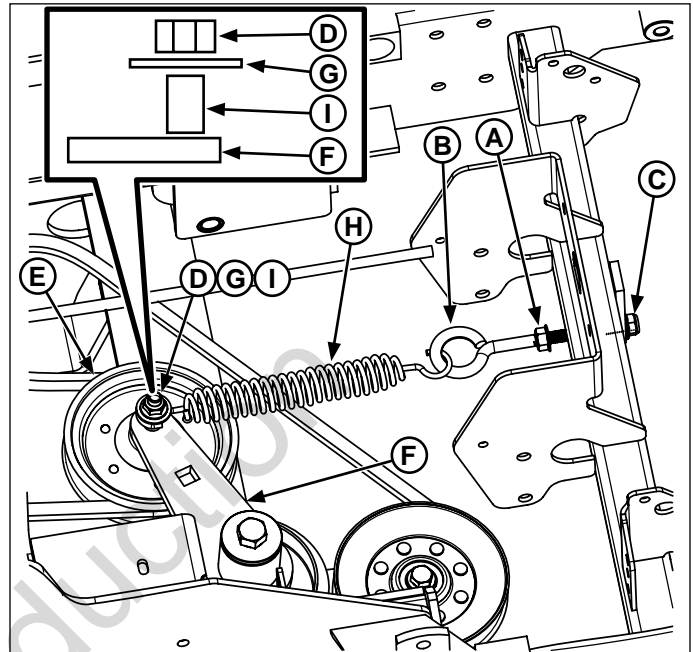


Figure 1. Old Drive Tensioner Setup

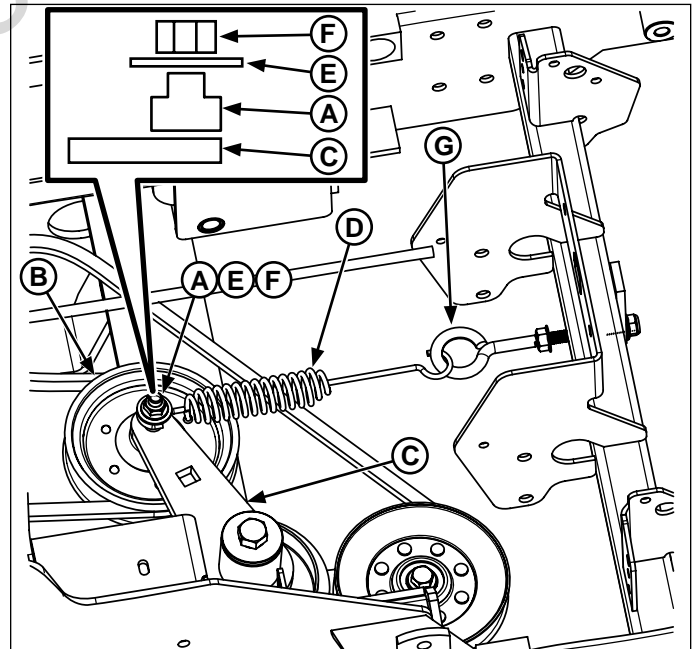


Figure 2. New Drive Tensioner Setup

spring is by the idler arm and the long hook points towards the front of the machine.

8. Install the 3/8 washer (E), and a new 3/8 nylock flange nut (F) onto the idler pulley bolt.
9. Connect the eyebolt (G) to the long hook of the new tensioner spring and route through the drive tensioner bracket on the frame.
10. Install a new 3/8 nylock flange nut (A, Figure 3) onto the eyebolt and tighten until the coiled length of the spring measures 5" (12,7 cm).
11. Once the measurement is achieved, tighten the jam nut (B) against the eyebolt bracket on the unit's frame.

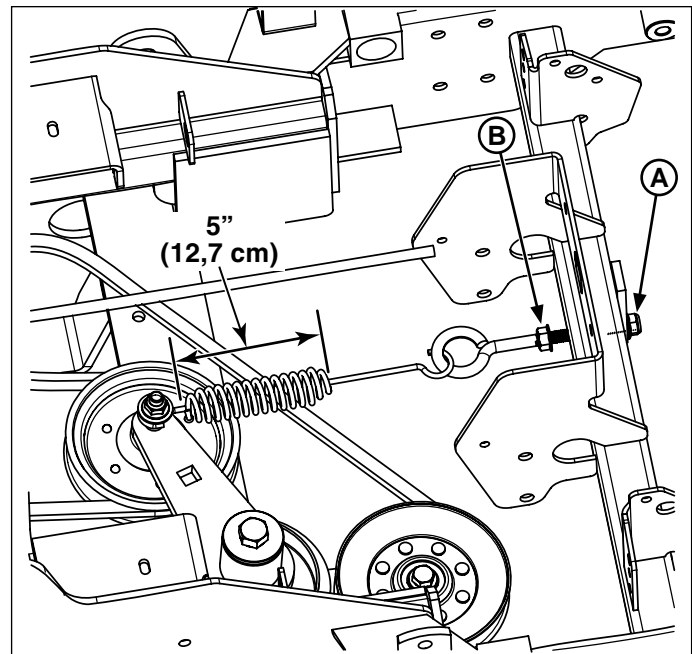


Figure 3. Spring Measurement

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