

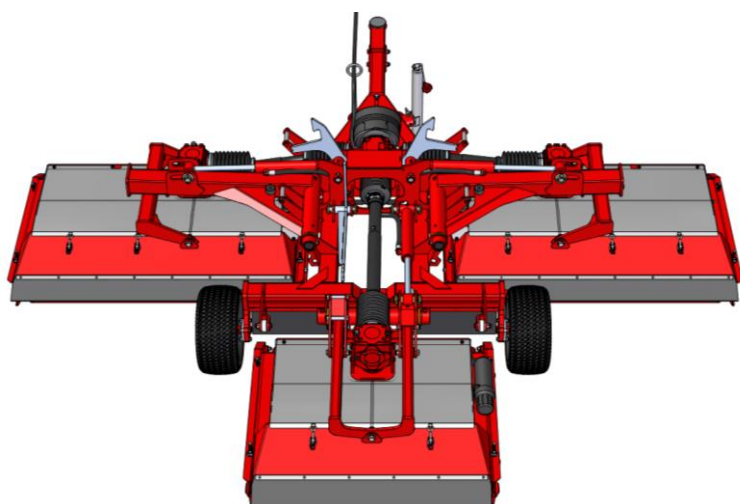
**Date Created:** 14/05/2021**Product:** Snake S2 400**Title:** Idler Arm Upgrade

**SAFETY!** Before attempting to make any adjustments or carry out maintenance on the mower, review the hazard identification table (section 3a of your Operator Manual) and take all necessary precautions.

**IMPORTANT:**

This process covers the fitment of an upgraded Auto Belt Tension Idler Arm to the outermost Spindle on a Snake S2 400 Right Hand Deck. Note the different position for all other Auto Belt Tension Idler.

Read through this whole procedure before beginning the job.



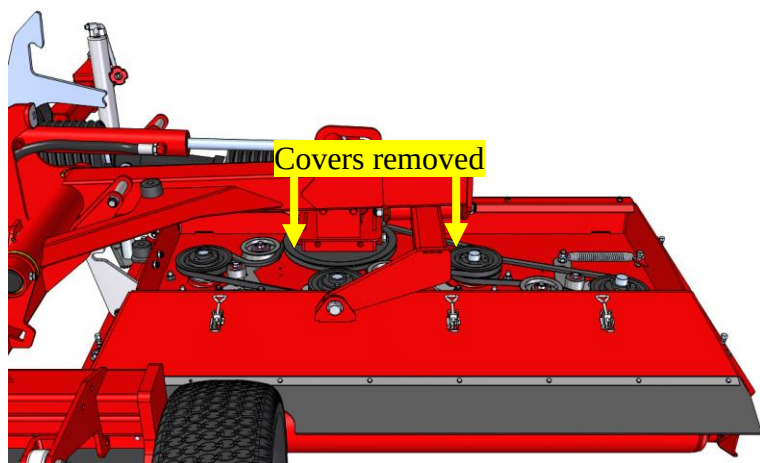
Position the Snake S2 400 on a smooth, hard and level surface.

Ensure the surrounding area is clear of obstructions and personnel.

Lower the Mower Decks down onto the Ground.

**IMPORTANT:**

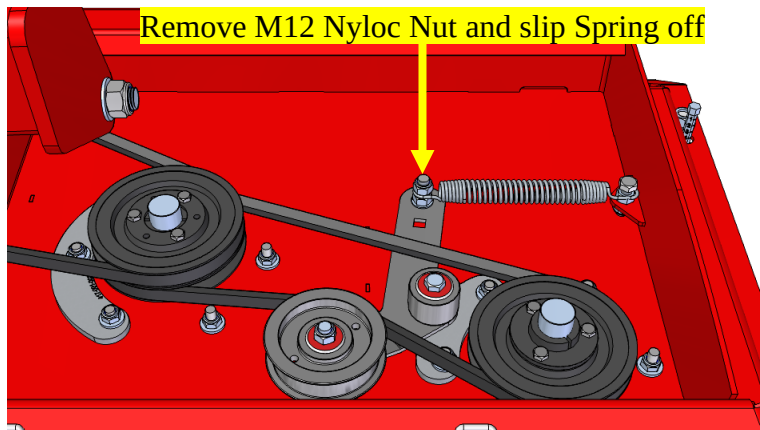
Please see your Operators Manual for further detail on this process.



Remove the Covers (**410-000-344 and 347**) from the Right Hand Deck.

**IMPORTANT:**

Please see your Operators Manual for further detail on this process.



Remove M12 Nyloc Nut and slip Spring off

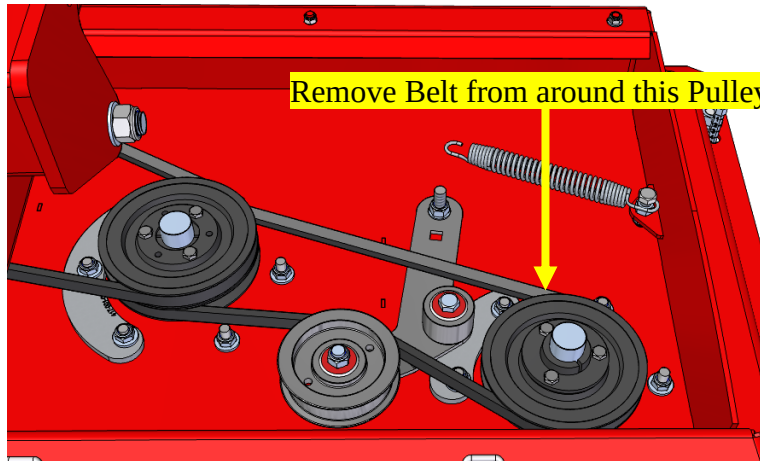
Remove the M12 Nyloc Nut from the **OUTERMOST** Idler Arm shown.

Slip the end of the Spring (**207-000-009**) off the Bolt to relieve the tension.



**IMPORTANT:**

Use caution as the Spring can pinch hands!



Remove Belt from around this Pulley

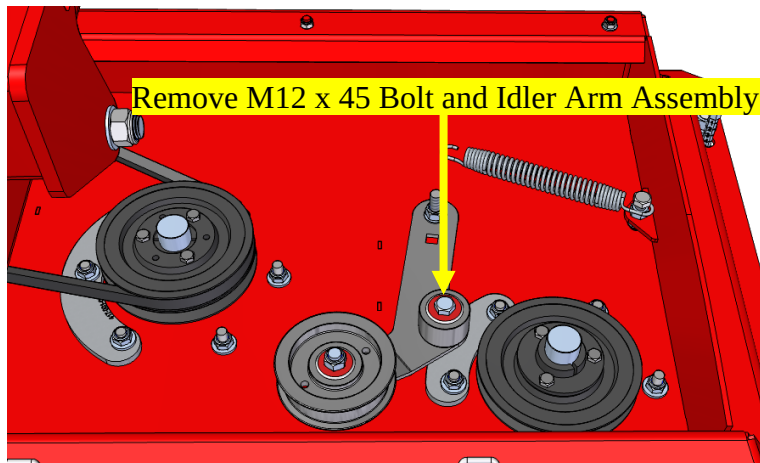
Remove the Belt (**404-040-495**) from the **OUTERMOST** Spindle Pulley. It is not necessary to remove it completely.

Inspect the belt for wear or damage.



**IMPORTANT:**

If the Belt is excessively worn or damaged, please contact Trimax Mowing Systems or your Equipment Dealer for a replacement.



Remove M12 x 45 Bolt and Idler Arm Assembly

Remove the M12 x 45 Bolt shown.

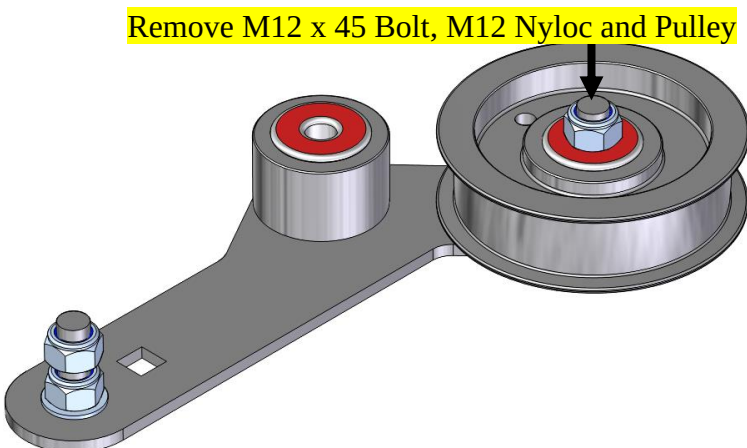
Remove the entire Idler Arm and Pulley Assembly.



**IMPORTANT:**

There is a 2.8mm (approx. 1/8") thick Hardened Washer (**108-071-513**) underneath the Idler Arm.

Leave this in position on the Deck as it will be reused when mounting the replacement Idler Arm Assembly.

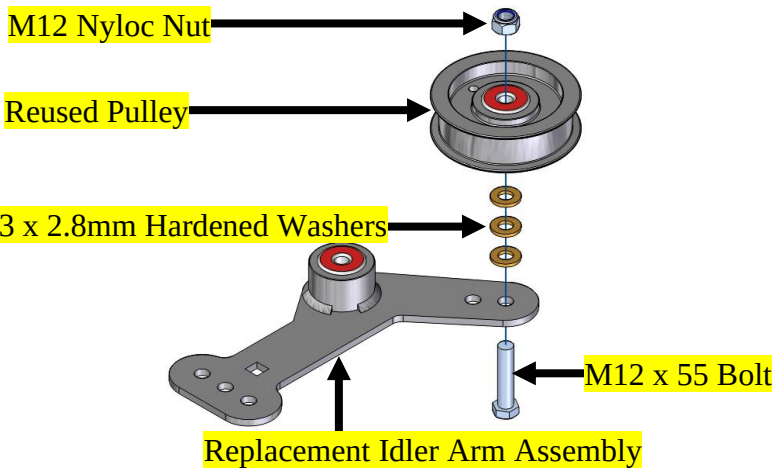


Remove M12 x 45 Bolt, M12 Nyloc and Pulley

Remove the M12 x 45 Bolt and M12 Nyloc Nut.

Separate the Pulley (**403-000-091**) from the Idler Arm.

Retain this Pulley as it will be fitted to the replacement Idler Arm Assembly



Collect the replacement Idler Arm Assembly (403-000-103A)

**For the Snake 400 RH Deck outer ABT only.**

Fit an M12 x 55 Bolt through the **OUTERMOST** hole as shown.

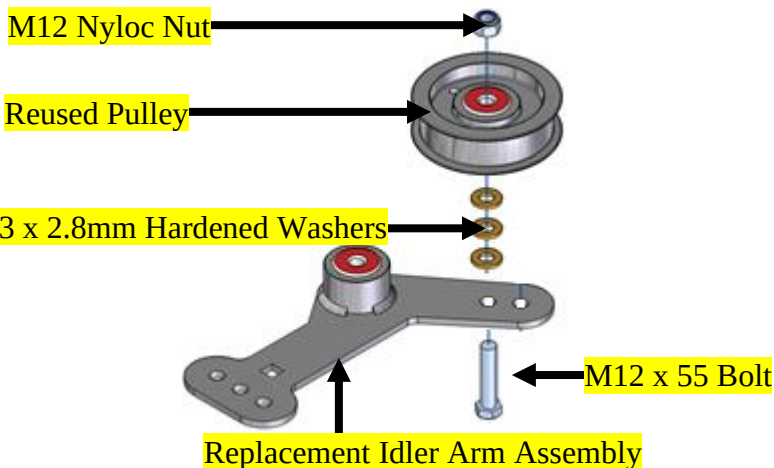
Fit three 2.8mm (approx. 1/8") thick Hardened Washers (108-071-513) over this Bolt. Fit the Pulley over the Bolt.

Secure using an M12 Nyloc Nut.



**IMPORTANT:**

The end of the Idler Arm with **TWO** holes must be used for this step.



Collect the replacement Idler Arm Assembly (403-000-103A)

**For all other positions on Snake 320 & 400**

Fit an M12 x 55 Bolt through the **INNER** hole as shown.

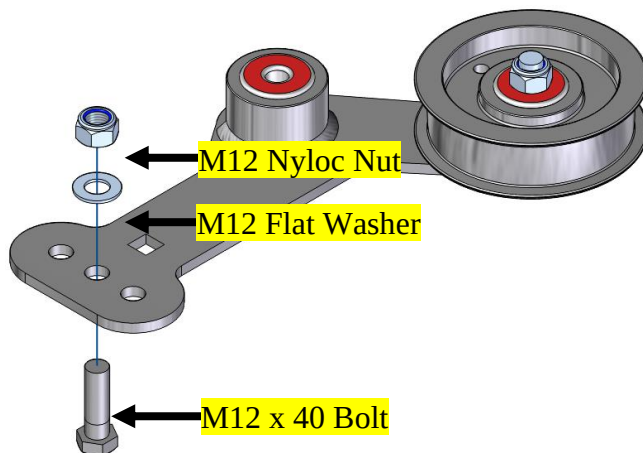
Fit three 2.8mm (approx. 1/8") thick Hardened Washers (108-071-513) over this Bolt. Fit the Pulley over the Bolt.

Secure using an M12 Nyloc Nut.



**IMPORTANT:**

The end of the Idler Arm with **TWO** holes must be used for this step.



Fit an M12 x 40 Bolt through the **MIDDLE** hole as shown.

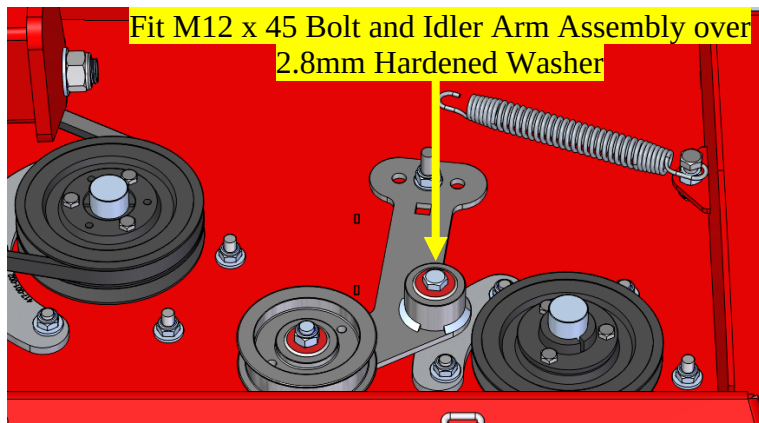
Fit an M12 Flat Washer over this Bolt.

Secure using an M12 Nyloc Nut.



**IMPORTANT:**

The end of the Idler Arm with **THREE** holes must be used for this step.



Offer the Idler Arm Assembly up to the Idler Base fitted to the Deck.

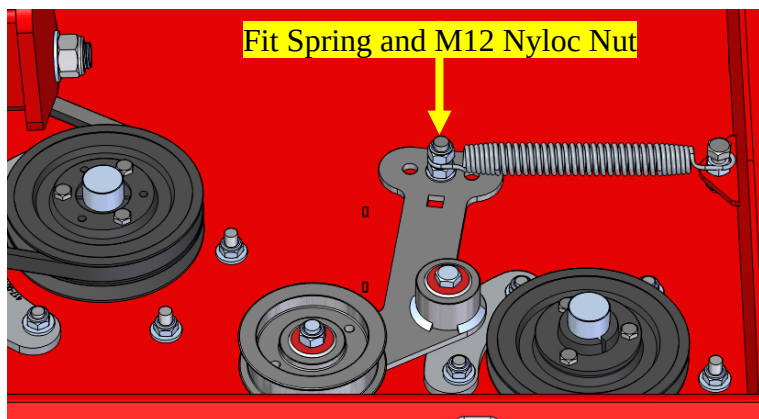
**MEDIUM STRENGTH THREAD LOCKING COMPOUND** is used on the threads of the M12 x 45 Bolt.

Tighten to secure.



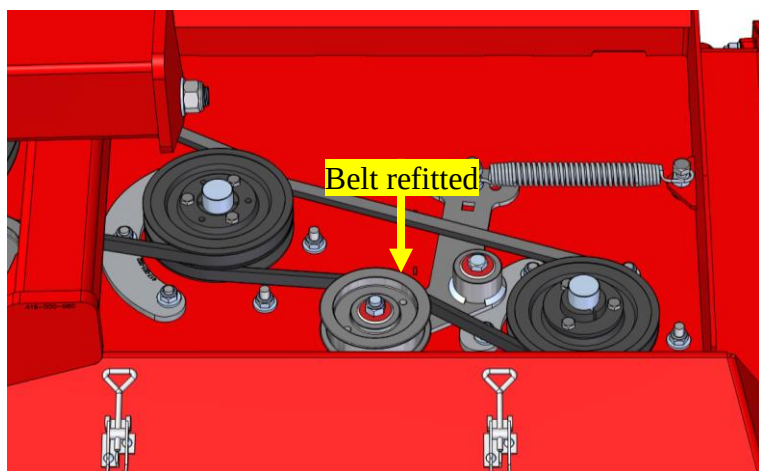
**IMPORTANT:**

Ensure that the 2.8mm (approx. 1/8") thick Hardened Washer is reused between the Idler Base and Idler Arm Assembly.



Refit the Spring Hook over the M12 x 40 Bolt at the end of the Idler Arm.

Secure using an M12 Nyloc Nut.

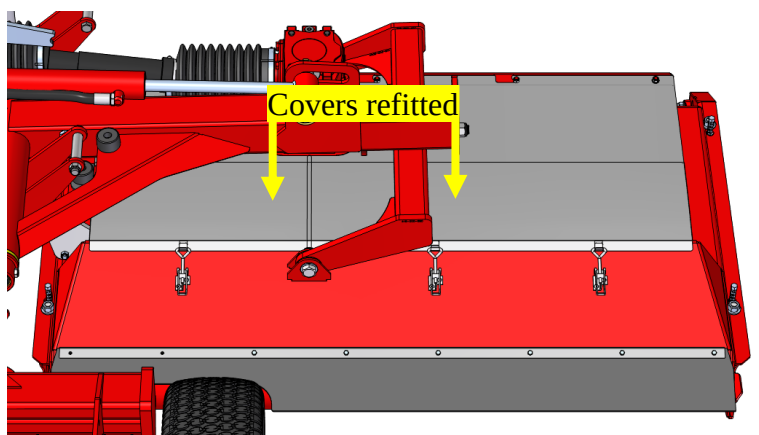


Refit the Belt.



**IMPORTANT:**

Please see your Operators Manual for further detail on this process.



Before fitting the Covers, check **ALL** fasteners are tight and that no loose parts or tools are left behind in the Superstructure.

Refit the Covers to the Right Hand Deck.



**IMPORTANT:**

Once the upgrade is completed and the Snake has been in use for one hour, check to ensure **ALL** fasteners are tight!



This process is now complete.

