

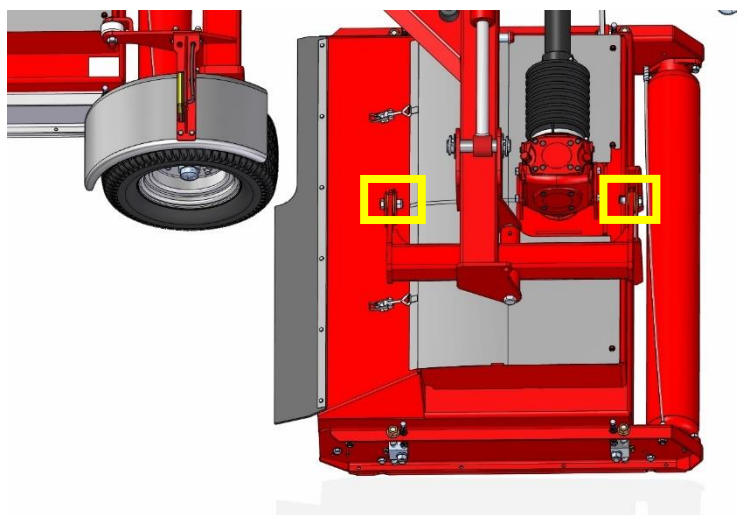
Date Created: 31/08/2016

Product: Snake

Title: Gearbox Pulley removal and replacement



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.



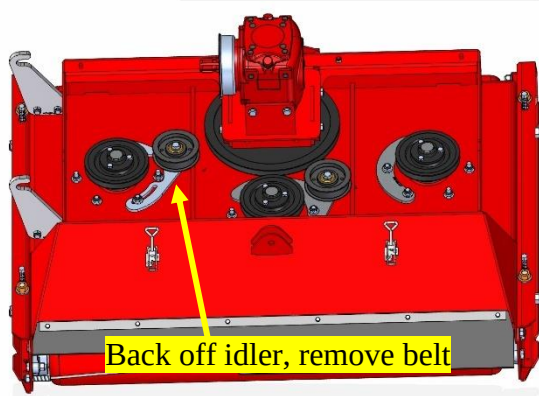
NOTE:

If a Side Deck Gearbox assembly needs removal, the Mowing Deck needs to be removed from the Chassis.

With the Decks lowered, remove the P.T.O Shaft to the Deck.

Remove the two M16 x 50 Float Beam bolts, highlighted opposite.

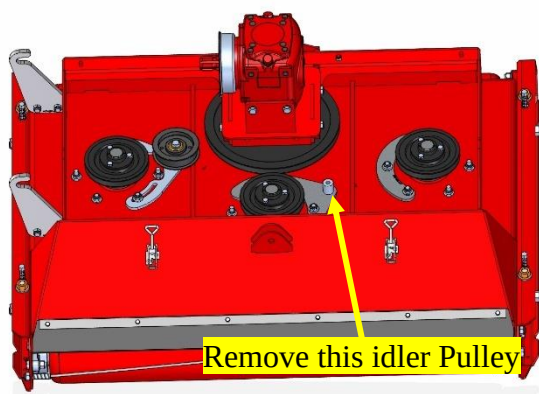
Raise the Outrigger Arm and Float Beam up and lock in the raised position.



To remove the Gearbox Assembly from the Body, remove the Covers

Slacken the Adjustable Idler Mounting Bolts. Back the Idler off away from the belt to relieve the tension.

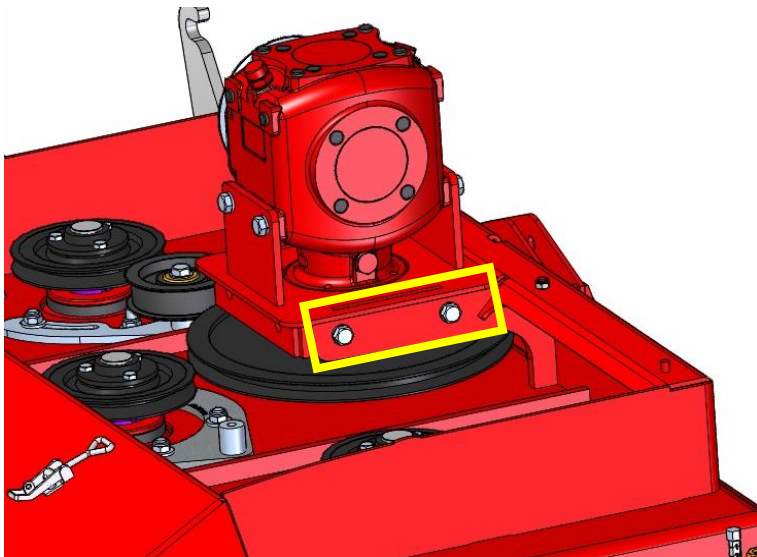
Remove the Drive Belt.



Remove the fixed idler mounting bolt shown.

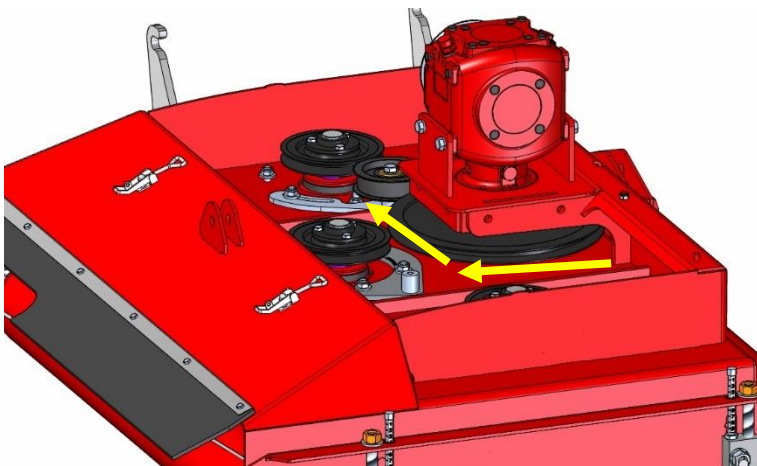
Remove the Idler Pulley.

DO NOT lose any shims form under the pulley, these need to be refitted!



Remove the four M12 Bolts and Spring Washers that secure the Gearbox Assembly to the Body.

One side shown.

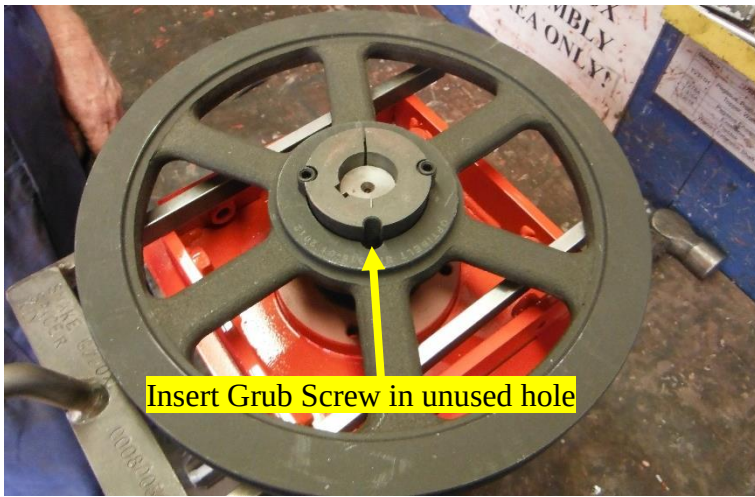


Slide the Gearbox assembly out of the Body, tip the rear side upwards to clear the centre spindle pulley.



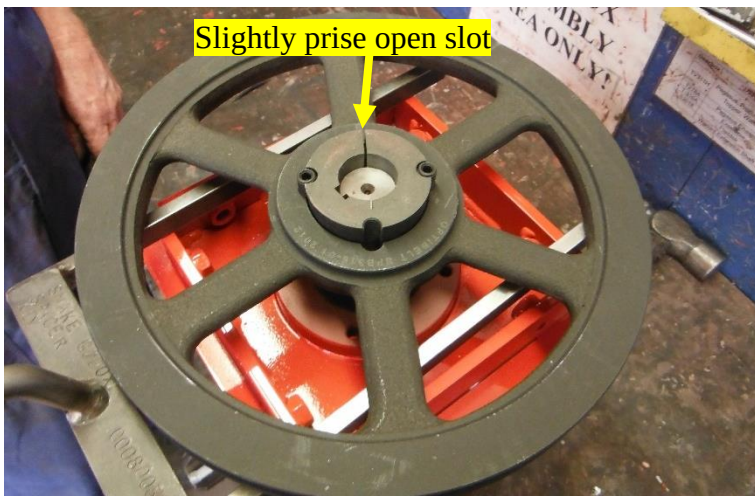
Place the Gearbox Assembly upside down (pulley facing up)

Remove the two Grub Screws.



Reinsert one Grub Screw into the unused hole in the Pulley/Bush.

Tighten gradually and this will start to drive the Bush up off the Shaft.



Prise the Bush open slightly, slide the Bush up off the Output Shaft.

Do this gently otherwise the Bush can split!



Remove the Pulley.



Clean the Pulley and the Bush with white spirits and a rag.

Remove **ALL** contaminants.



Clean the Output Shaft with white spirits and a rag.

Remove **ALL** contaminants.



Insert the Taper Lock Bush into the Pulley so the holes line up as shown.



Apply medium strength threads locker to the Grub Screw threads.



Place the Grub Screws loosely in the bush



Note:

Do Not place a Grub Screw in the location shown – this is for removal



Use 17mm Steel strips
(slightly less than 11/16") as a spacer.

Place these on the Gearbox mount.

Position the Pulley assembly on the
Gearbox Shaft.



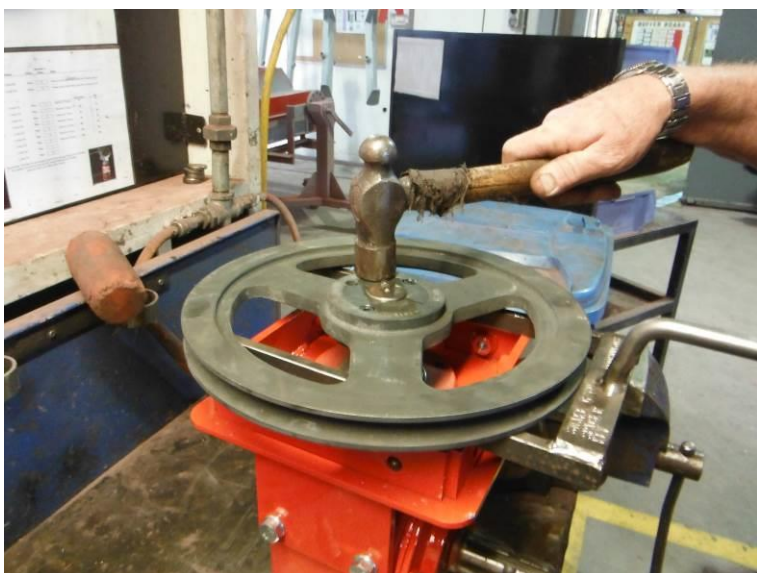
Drive the down until fully seated in the
Pulley



Using a hexagon wrench tighten the grub screws gradually and alternately



Torque the Grub Screws to **30Nm**
(23 ft/lbs)



Tap around the bush with a hammer.

This will ensure that the bush is seated squarely in the bore.

Re-torque the Grub Screws to **30Nm**
(23 ft/lbs)

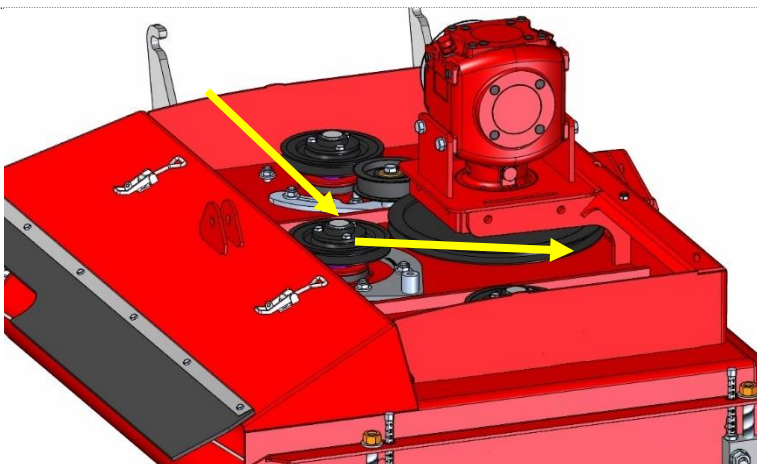
REPEAT THIS STEP TWICE.



Remove the Spacers



Mark the Grub Screws with a Yellow Paint Marker

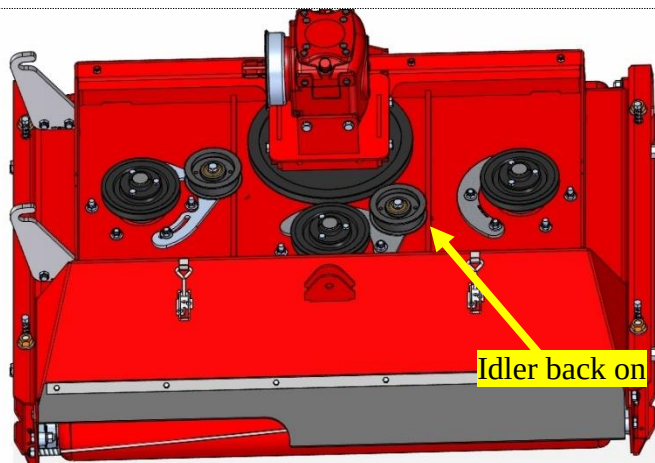


Refit the Gearbox to its original position.

Use medium Strength Thread Locker on the Bolts

Secure using the original four Bolts and Spring Washers.

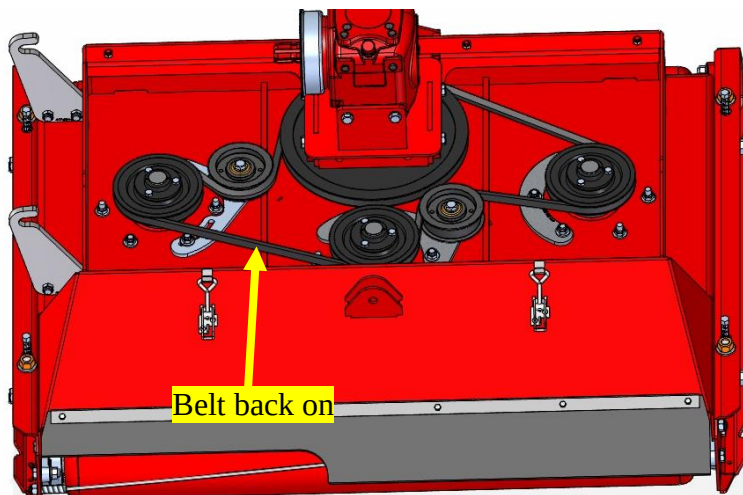
Fully Tighten.



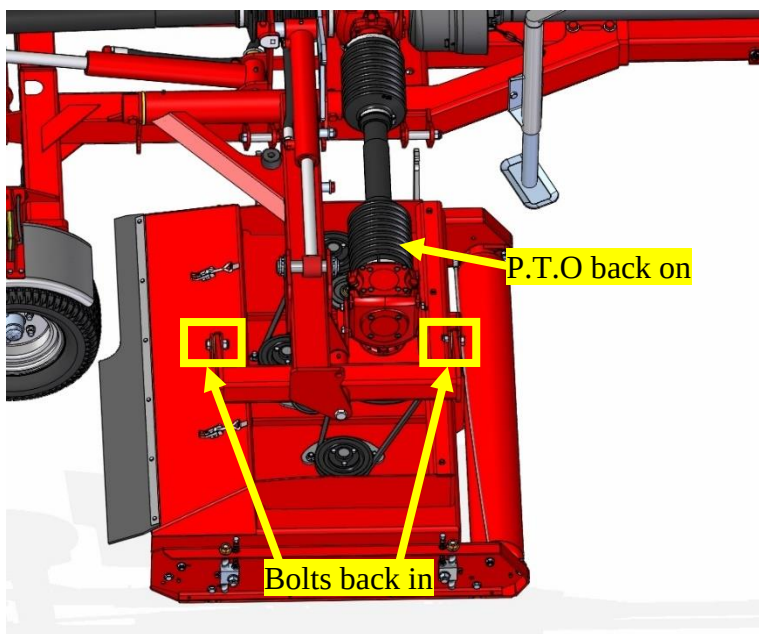
Refit the Idler Pulley to its original position.

Use Medium Strength Thread Locker on the Bolt.

Fully Tighten.



Refit the Belt and tension, **refer to your Operator's manual!**



Lower the Outrigger Arm.

Refit the Deck to the Chassis.

Ensure that all parts are fitted to their original locations.

Use Medium Strength Thread Locker on the Bolts.

Fully tighten.

Refit the P.T.O Shaft to its original position.

Refit the covers.



This Fitment process is now complete