trimax MOWING SYSTEMS	SPARE PARTS INSTRUCTIONS # 10
Date Created: 03/12/15	**Product:** Stealth S3
Title: Belt 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.

Tools Required	Quantity	Area Used
17mm ROE Spanner	1	M10 Nyloc Nuts
18mm ROE Spanner	1	M12 Bolts and Plain Nuts
19mm ROE Spanner	1	M12 Nyloc Nuts
17mm Socket	1	M10 Nyloc Nuts
18mm Socket	1	M12 Bolts and Plain Nuts
19mm Socket	1	M12 Nyloc Nuts and M12 Half Nuts
Ratchet/Impact Gun	1	Used with Sockets
Long Extension	1	Used with Sockets

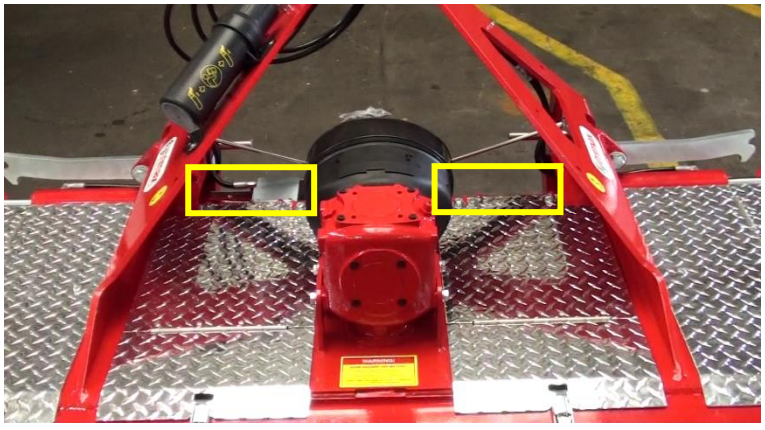
Parts Required	Quantity	Area Used
404-040-810	2	Centre Body Belts
404-041-300	2	Wing Belts
307-210-053	4	M10 Nyloc Nuts for Wing Spindles

Lower the mower onto the ground.

Raise the Transport Locks.

Lower the Wings down onto the ground.

Note:
Ensure the Tractor P.T.O is disengaged and the Tractor is turned off!

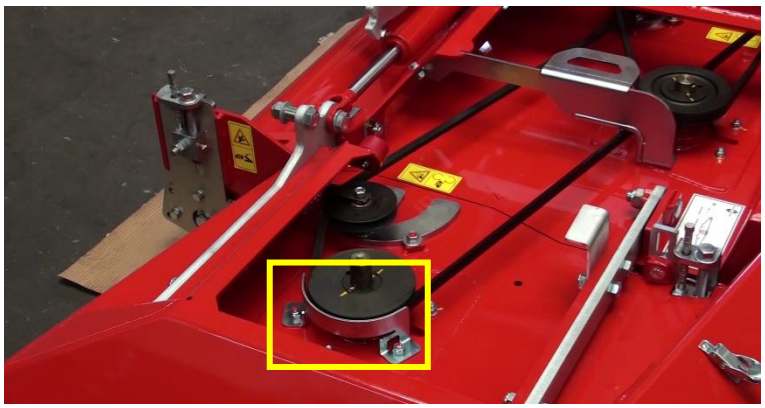


Use a 19mm Spanner to remove the four M12 Nyloc Nuts used to secure the Centre Covers.

Place these to one side for re-fitment later.

Unlatch **ALL** Covers.

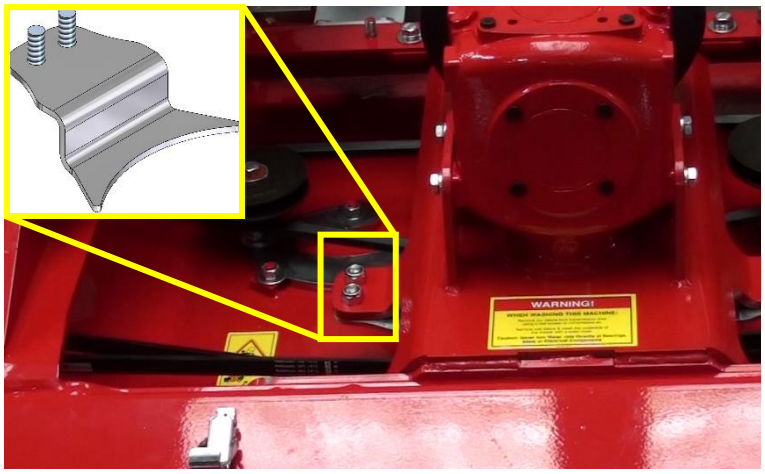
Remove **ALL** Covers and place to one side.



Use a 17mm Socket to remove the Left and Right Hand Wing Belt Guides.

One shown.

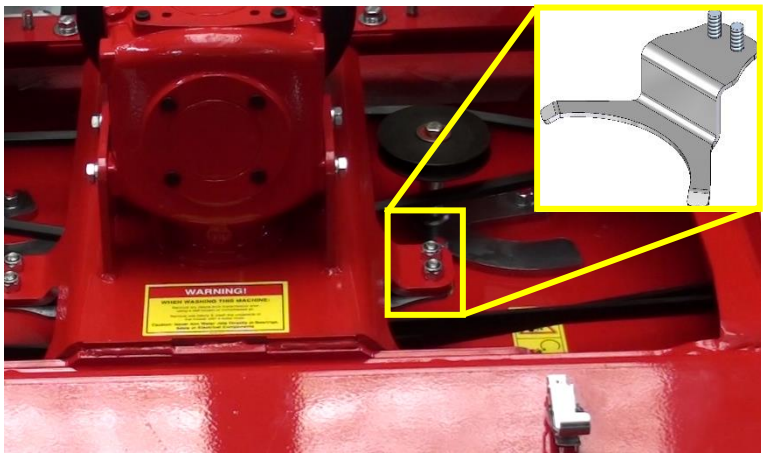
Place the Belt Guides and M10 Nyloc Nuts to one side.



Use a 19mm Socket to remove the Left Hand Gearbox Belt Guide.

Place the M12 Nyloc Nuts and Belt Guide to one side.

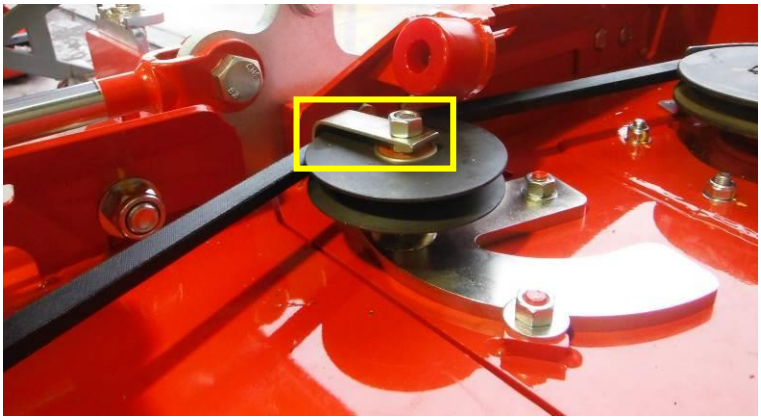
Note:
The Left and Right Hand Gearbox Belt Guides are different from each other! See inset for detail!



Use a 19mm Socket to remove the Right Hand Gearbox Belt Guide.

Place the M12 Nyloc Nuts and Belt Guide to one side.

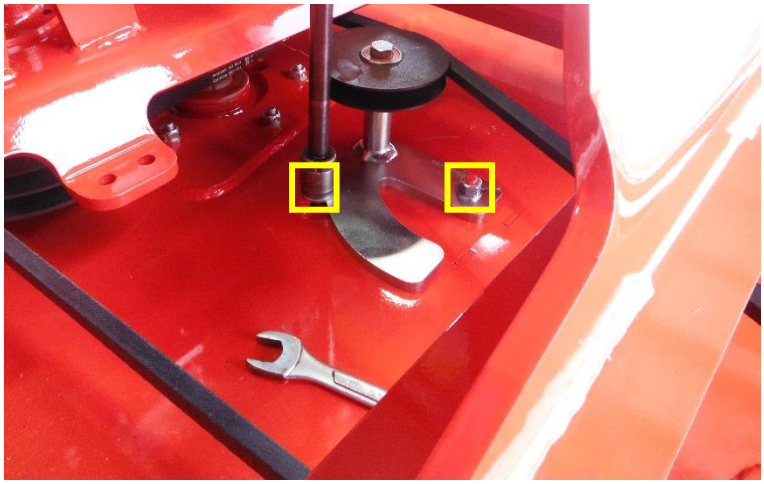
Note:
The Left and Right Hand Gearbox Belt Guides are different from each other! See inset for detail!



Use an 18mm Socket to remove the Left and Right Hand Wing Idler Belt Retainers.

One shown.

Place the M12 Plain Nuts and Wing Idler Belt Retainers to one side.



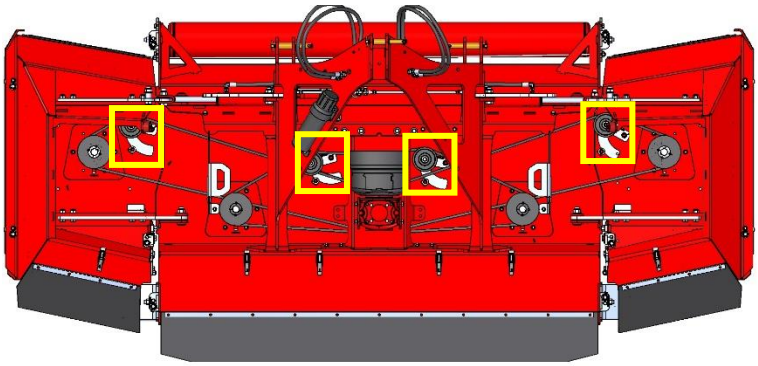
Use an 18mm Socket to slacken ALL Idler Mounting Nuts.

One Idler shown.

Back the Idlers off to relieve belt tension.

See below for Idler positions.

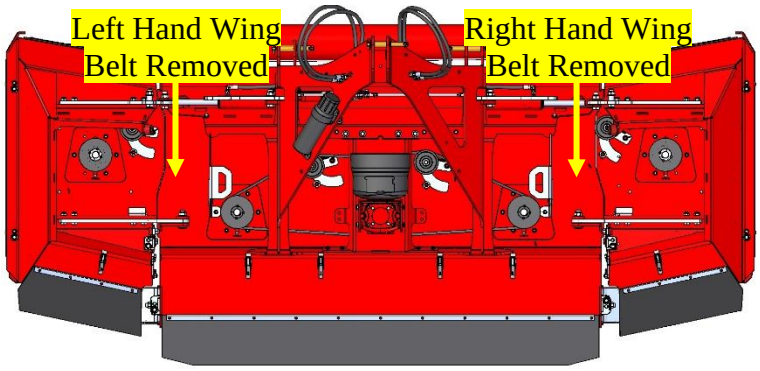
Note:
DO NOT REMOVE THE IDLER MOUNTING NUTS!



The image opposite shown the Idler positions.

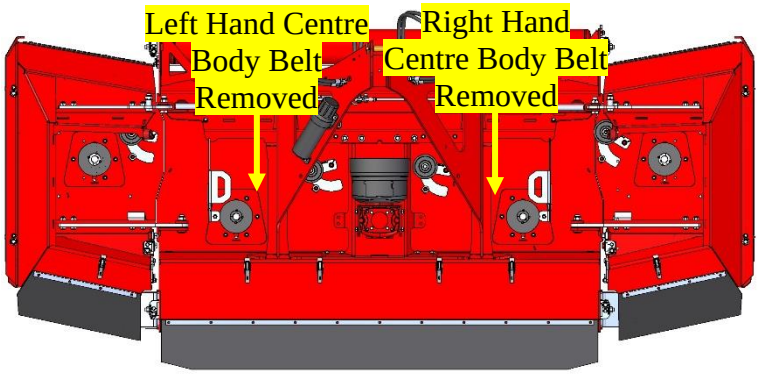
Remove all four Belts from spindle pulleys.

One shown.



Remove both of the old Wing Belts.

Note:
These will need to be passed **UNDERNEATH** the Gearbox Pulley to be removed.

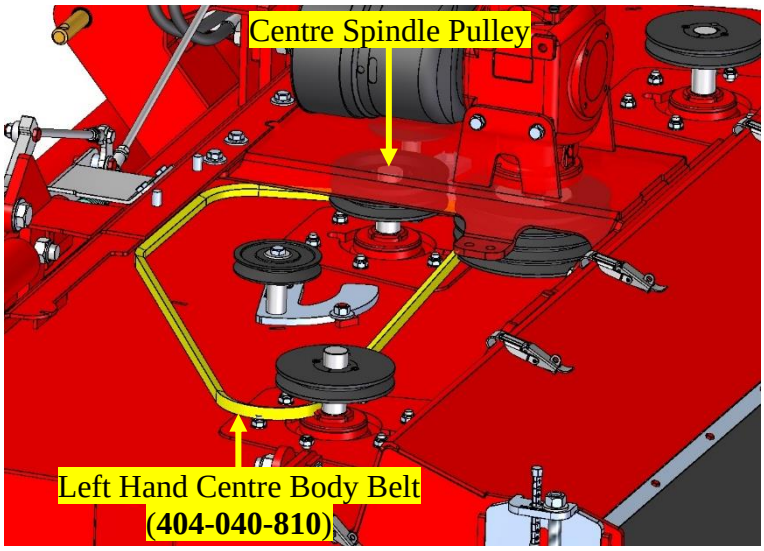


Remove the two Centre Body Belts.

Note:
These will need to be passed over the **TOP** of the Centre Spindle Pulley to be removed!

Also these will need to be passed **UNDERNEATH** the Gearbox Pulley to be removed!

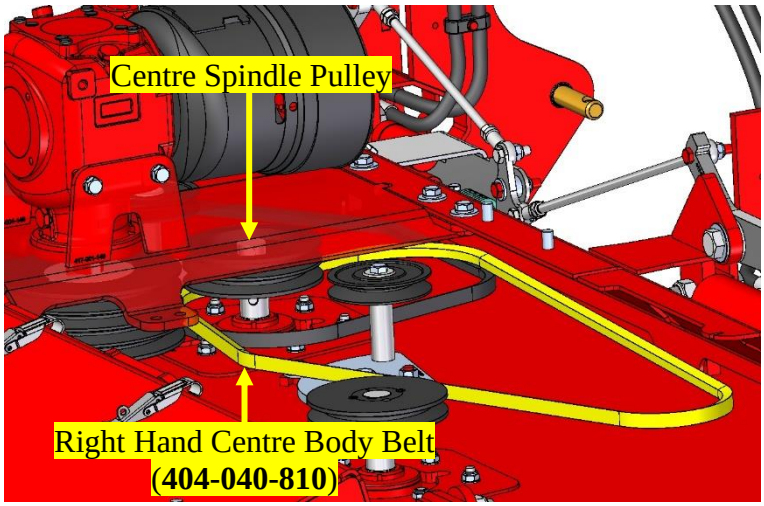
Note:
While there are no belts fitted, use this opportunity to check **ALL** Pulleys and Driveline Components for signs of damage.



Fit the **Left Hand Centre Body** Belt (**404-040-810**) shown in **YELLOW** over the Centre Spindle Pulley.

DO NOT PLACE THE BELT AROUND THE GEARBOX PULLEY AT THIS STAGE!

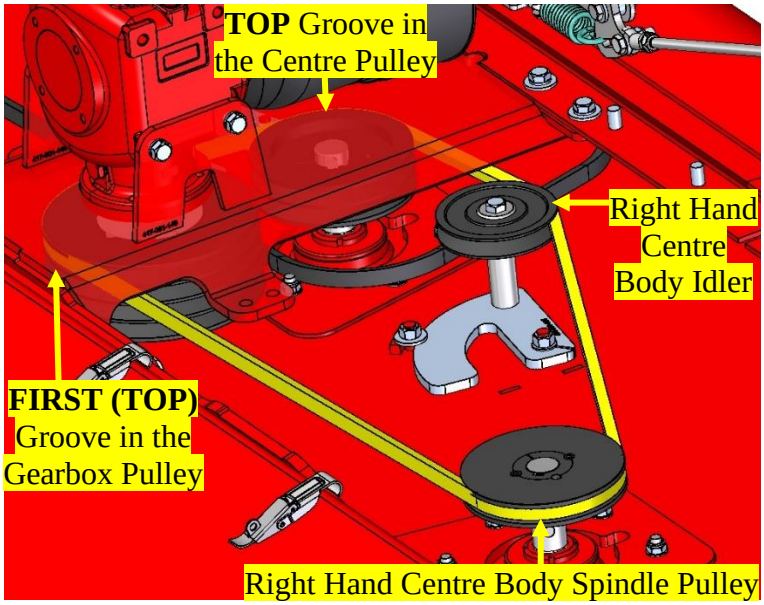
Note:
Some components in this image have been hidden for clarity.



Fit the **Right Hand Centre Body** Belt (**404-040-810**) shown in **YELLOW** over the Centre Spindle Pulley.

DO NOT PLACE THE BELT AROUND THE GEARBOX PULLEY AT THIS STAGE!

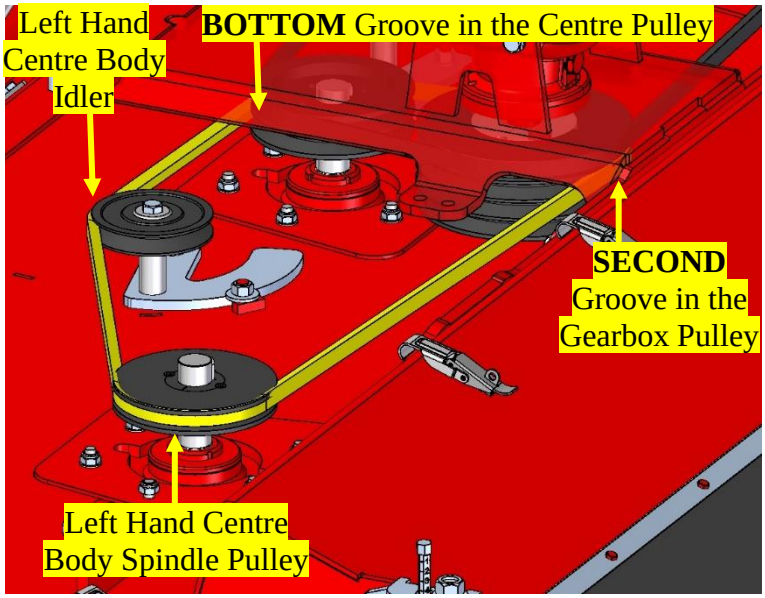
Note:
Some components in this image have been hidden for clarity.



Fit the **Right Hand Centre Body** Belt shown in **YELLOW**, around the Following Pulleys:

- **FIRST (TOP)** Groove in the Gearbox Pulley.
- **TOP** Groove in the Centre Pulley.
- Right Hand Centre Body Spindle Pulley.
- Right Hand Centre Body Idler.

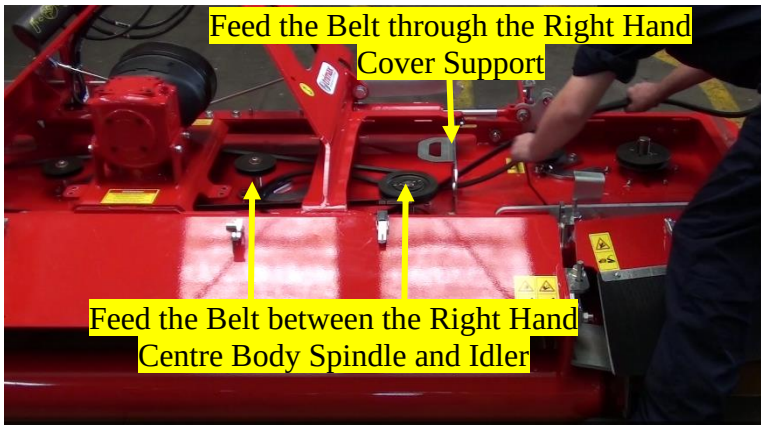
Note:
Some components in this image have been hidden for clarity.



Fit the **Left Hand Centre Body** Belt shown in **YELLOW**, around the Following Pulleys:

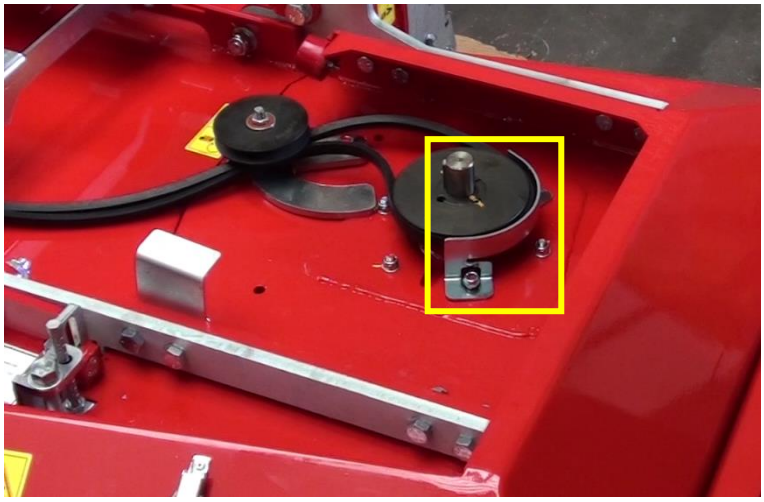
- **SECOND** Groove in the Gearbox Pulley.
- **BOTTOM** Groove in the Centre Pulley.
- Left Hand Centre Body Spindle Pulley.
- Left Hand Centre Body Idler.

Note:
Some components in this image have been hidden for clarity.



Feed the Right Hand Wing Belt (**404-041-300**) through:

- The Right Hand Cover Support.
- Between the Right hand Centre Body Spindle and Idler.



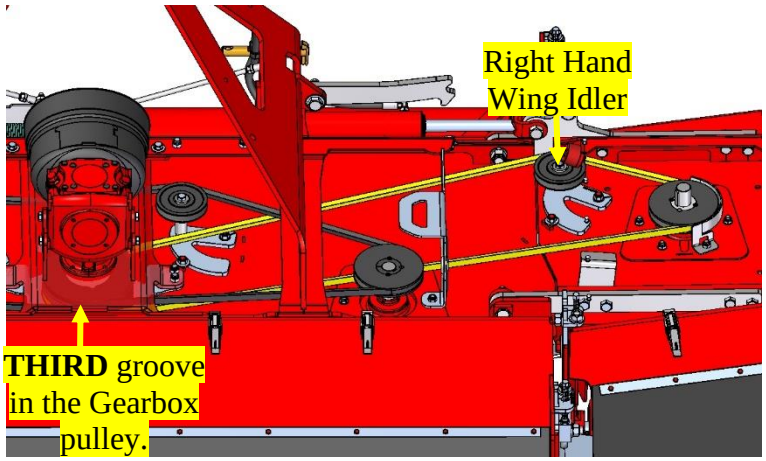
Fit the Belt around the Right Hand Wing Spindle Pulley.

Re-fit the Right Hand Wing Spindle Belt Guide.

Use New M10 Nyloc Nuts!

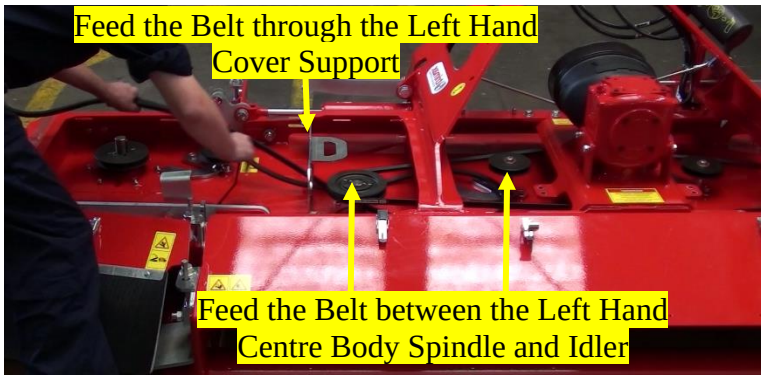
Nip up the M10 Nyloc Nuts using a 17mm Socket, then torque to **43Nm.**

Note:
This is **CRITICAL** as these Nuts also retain the Wing Spindle in place!



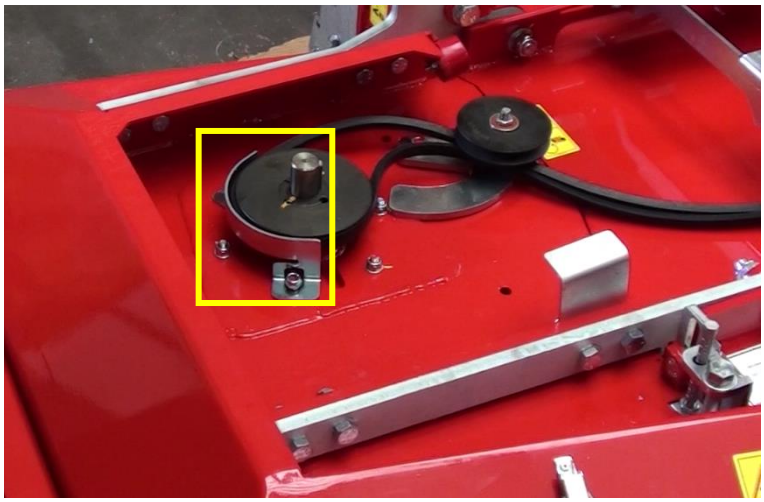
Fit the Right Hand Wing Belt (**404-041-300**) shown in **YELLOW**, around the Following Pulleys:

- The **THIRD** groove in the Gearbox pulley.
- The Right Hand Wing Idler.



Feed the Left Hand Wing Belt (**404-041-300**) through the Left Hand Cover Support and between the Left hand Centre Body Spindle and Idler Pulley.

Fit the Belt around the Left Hand Wing Spindle Pulley.



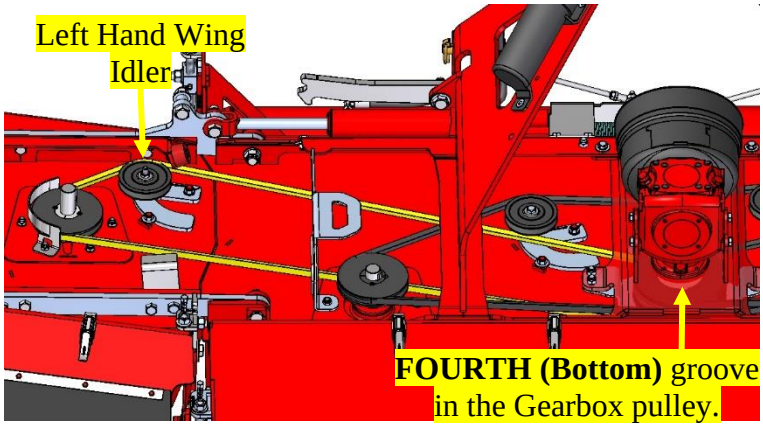
Fit the Belt around the Left Hand Wing Spindle Pulley.

Re-fit the Left Hand Wing Spindle Belt Guide.

Use New M10 Nyloc Nuts!

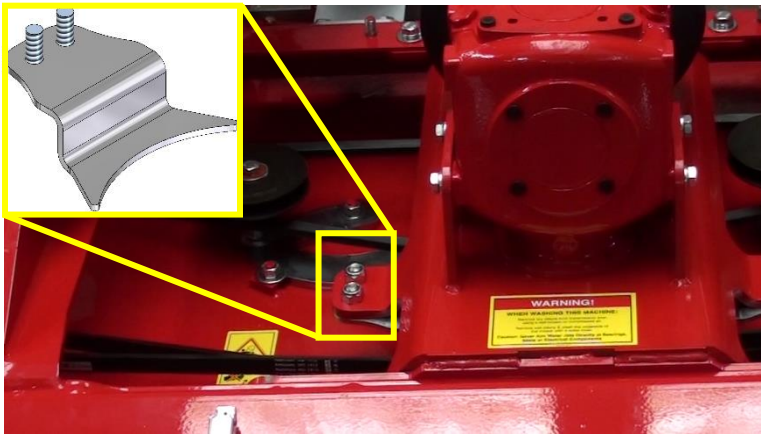
Nip up the M10 Nyloc Nuts using a 17mm Socket, then torque to **43Nm.**

Note:
This is **CRITICAL** as these Nuts also retain the Wing Spindle in place!



Fit the Right Hand Wing Belt (**404-041-300**) shown in **YELLOW**, around the Following Pulleys:

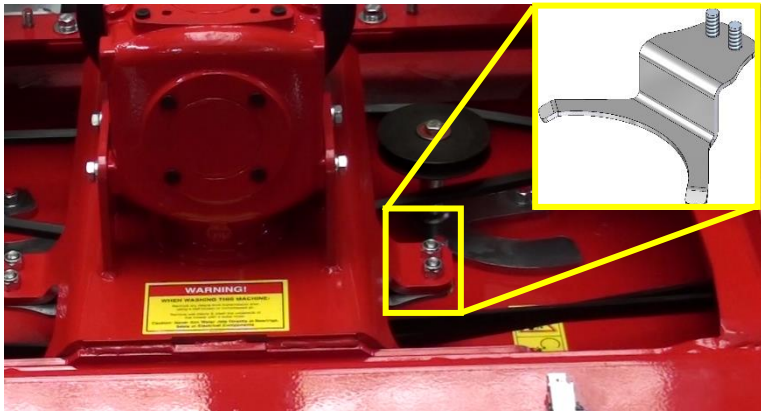
- The **FOURTH (Bottom)** groove in the Gearbox pulley.
- The Left Hand Wing Idler.



Refit the Left Hand Gearbox Belt Guide using M12 Nyloc Nuts as shown. See inset for correct part identification.

Fully tighten using a 19mm Socket.

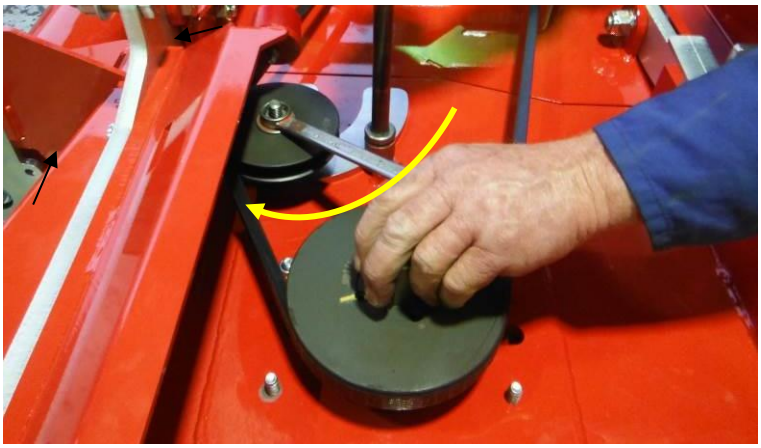
Note:
Ensure there is **less than 5mm** clearance between the Belt Guide and the Gearbox Pulley!



Refit the Right Hand Gearbox Belt Guide using M12 Nyloc Nuts as shown. See inset for correct part identification.

Fully tighten using a 19mm Socket.

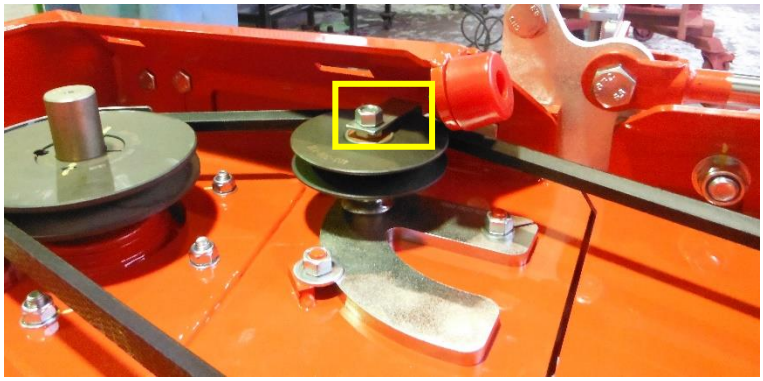
Note:
Ensure there is **less than 5mm** of clearance between the Belt Guide and the Gearbox Pulley!



Use a 19mm Spanner to apply leverage to the Left Hand Wing Idler

Use an 18mm Socket to lock the Idler in place once belt tension is achieved.

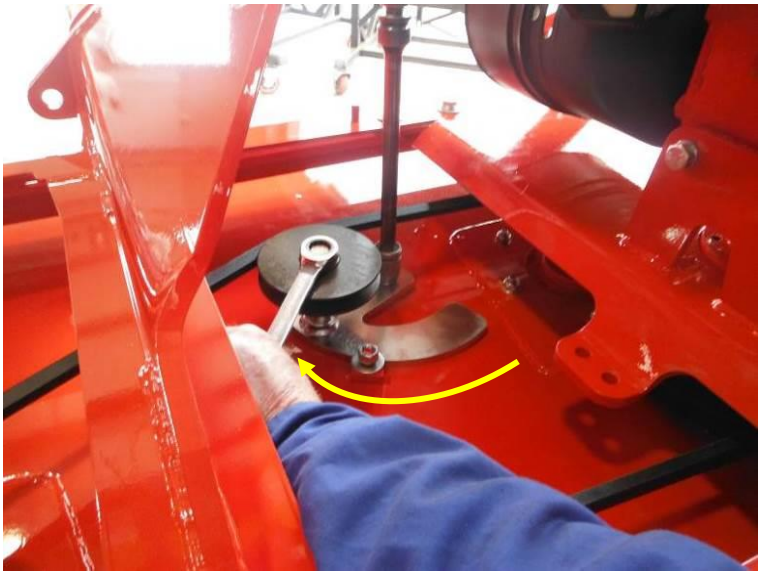
Note:
Check Belt Tension before continuing, belts should have **10-15mm** of belt deflection!



Refit the Left Hand Wing Idler Belt Retainer using an M12 Plain Nut.

Tighten with an 18mm Socket.

Note:
Ensure there is **1-3mm** of clearance between the Belt Retainer and the Belt!

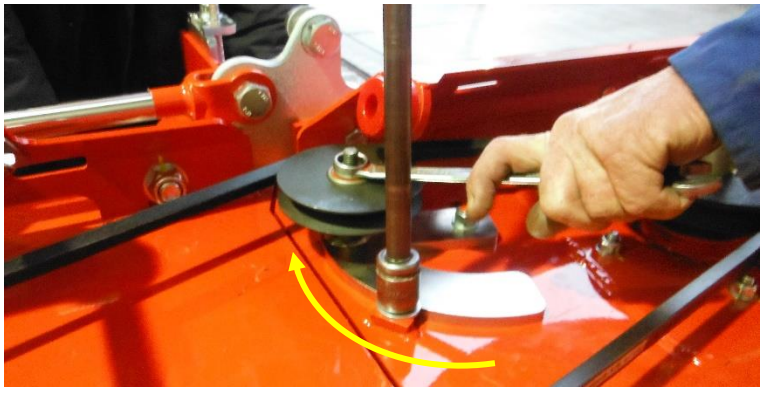


Use a 18mm Spanner to apply leverage to the Left Hand Centre Body Idler.

Use an 18mm Socket to lock the Idler in place once belt tension is achieved.

Repeat this step for the Right Hand Centre Body Idler.

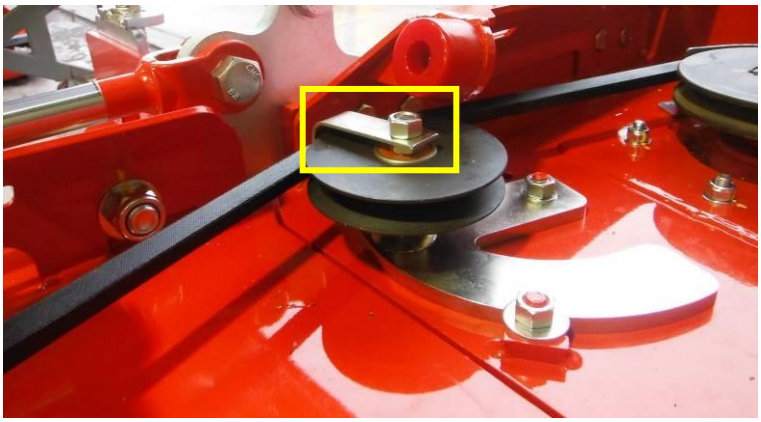
Note:
Check Belt Tension before continuing, belts should have **10-15mm** of belt deflection!



Use a 19mm Spanner to apply leverage to the Right Hand Wing Idler

Use an 18mm Socket to lock the Idler in place once belt tension is achieved.

Note:
Check Belt Tension before continuing, belts should have **10-15mm** of belt deflection!



Refit the Right Hand Wing Idler Belt Retainer using an M12 Plain Nut.

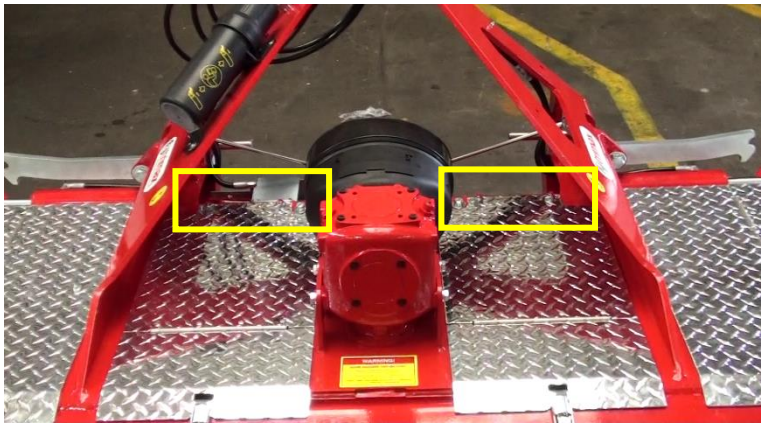
Tighten with an 18mm Socket.

Note:
Ensure there is **1-3mm** of clearance between the Belt Retainer and the Belt!

VERY IMPORTANT!

- Check **ALL** Bolts and Nuts are tight.
- Check **ALL** Belts are tensioned correctly.
- Check Belts **DO NOT** foul on **ANY** components.
- **Ensure that no Tools or loose parts are left behind!**

Refit all of the Covers and secure in place using the Cover Latches.



Refit the M12 Nyloc Nuts to the two Centre Covers and fully tighten using a 19mm Socket.

Raise the wings and re-engage the Transport Locks.

IMPORTANT!

The tension of new drive belts must be checked regularly during run-in. Very long life can be achieved if slippage is avoided while the belts settle in. Check tension after the first hour of operation and again at the end of the first day.

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This Fitment process is now complete