

Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models	Fusion Vario/V6 MK3/MK4/V67series

WARNING! Always turn off control box, turn off oil flow, turn off tractor engine, remove key, apply hand-brake and use wheel chocks before carrying out any work on the machine.

Attach tractor to the baler, and open the chamber just under halfway. Turn off the tractor, remove the key and lock the chamber tap.

The chamber lock can be found on the side of the platform on older machines OR on newer machines it can be found on the front of the platform.

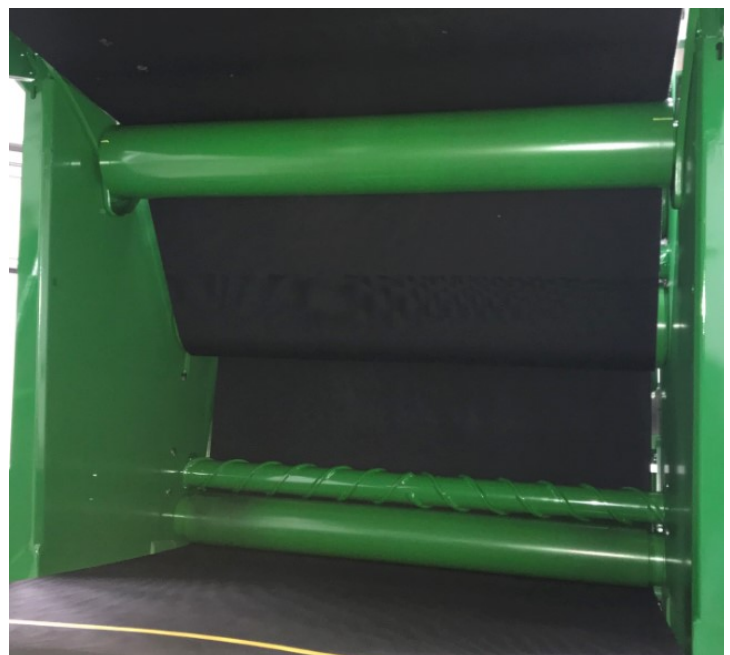


Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models	Fusion Vario/V6 MK3/MK4/V67 series

WARNING! Always turn off control box, turn off oil flow, turn off tractor engine, remove key, apply hand-brake and use wheel chocks before carrying out any work on the machine.

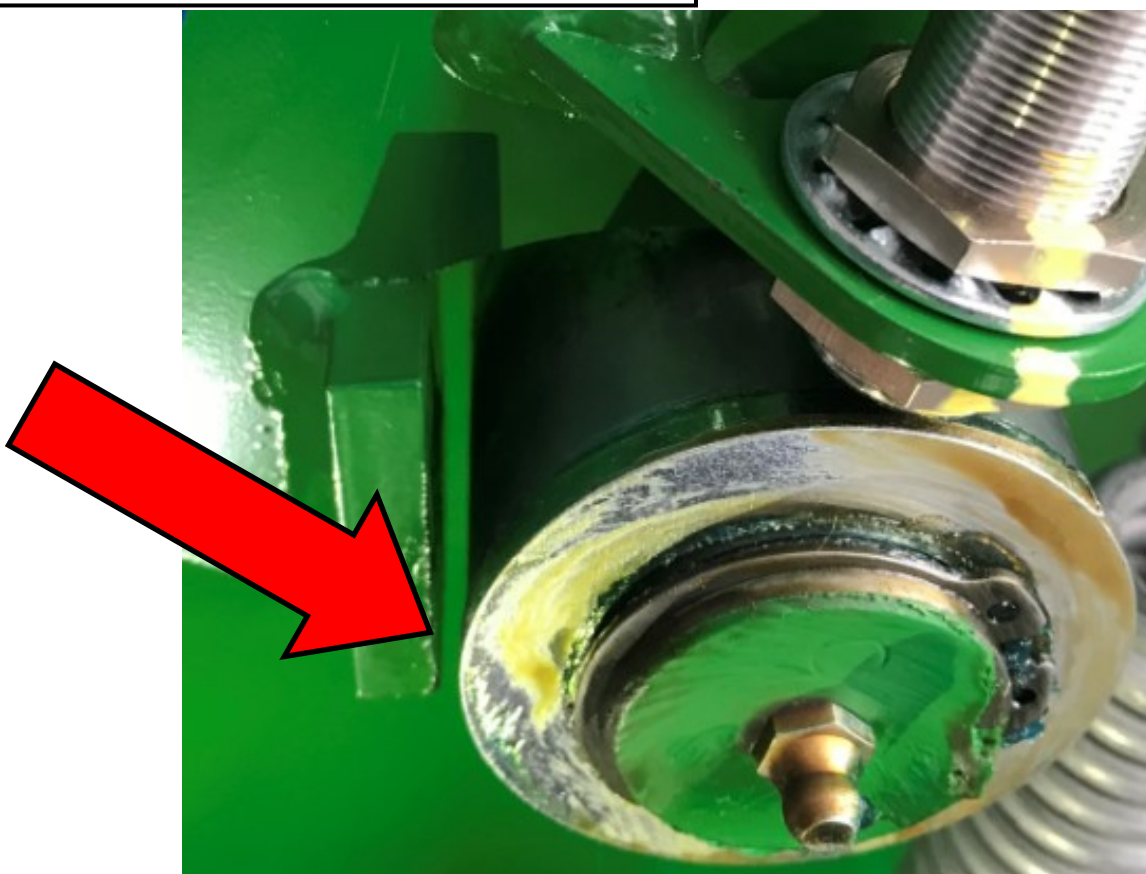
1. If the belts appear to be always staying to one side of the chamber when the chamber is empty **OR** if the belt/belts stay to one side even though the bale in the chamber is completely uniform, then the belt/belts may need to be tracked.
2. Firstly **ensure all rollers in the chamber are completely clean**. If the rollers have any build up of crop on them then this can affect belt movement. Also ensure that around the axle area where the chamber closes is clean.



Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models:	Fusion Vario/V6 MK3/MK4/V67series

3. If all the rollers are clean & the belt is still running to one side, then before tracking takes place you must ensure that both chamber lock hooks are touching the bushings on either side. **This is extremely important!** If one side is different to the other, then when crop is fed into the chamber, the rear chamber will be pushed out more to one side against the hook, therefore the belt will always move to one side during baling.
4. The image below shows a hook that is not touching the bushing - there is no point tracking the machine when it is like this. See next page.



Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models	Fusion Vario/V6 MK3/MK4/V67series

5. To push the rear chamber bushing out against the hook, shims must be used. Open the chamber approximately a metre. Lock the chamber tap. Using a 17mm socket remove the rubber buffer, there will be shims behind this when removed. Either using the correct 1.5mm shims or similar spacers, shim out the buffers. Re-fit the buffer & apply Loctite to the bolts. (Shims may be supplied in the toolbox depending on the year of the machine)



Part Number 1.5mm Shim - CZB04366

Part Number 4mm Shim- CZD04507

Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models:	Fusion Vario/V6 MK3/MK4/V67series

6. Close the chamber and check the space between the hook & bushing.

Note: Ensure that the hook isn't extremely hard to close against the bushing, the idea is to have no space between hook & bushing, but without wedging the chamber closed.

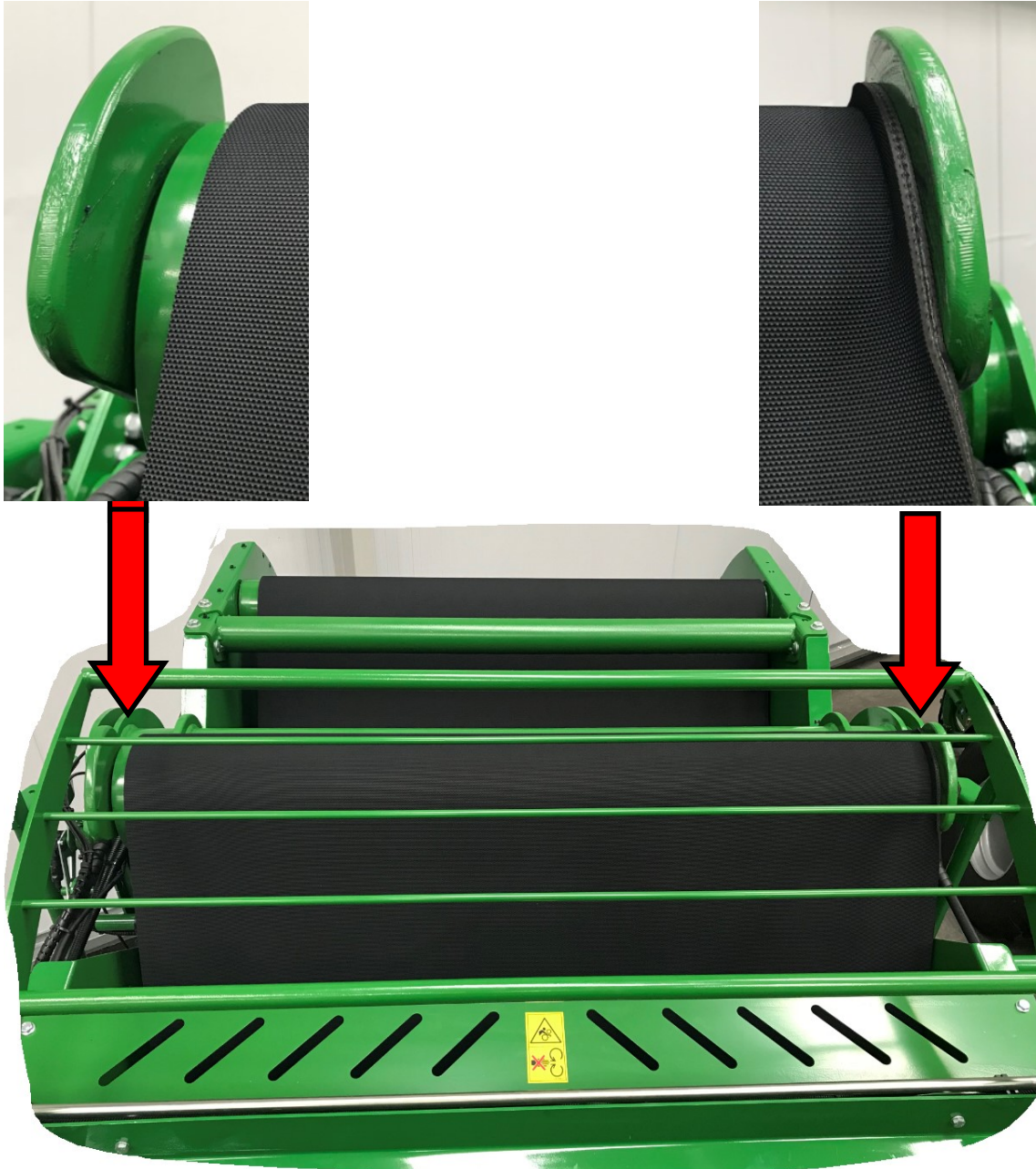


Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models:	Fusion Vario/V6 MK3/MK4/V67series

7. If the belt is to one side like the pictures below, when the chamber is empty & all rollers are clean then it can be tracked.

(The picture below is an example of how the belt can rub against the tension arm guide when empty. Continuing to drive like this makes the machine much harder to drive & it also creates a lot of friction between the belt and guide causing belt damage overtime).



Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models:	Fusion Vario/V6 MK3/MK4/V67series

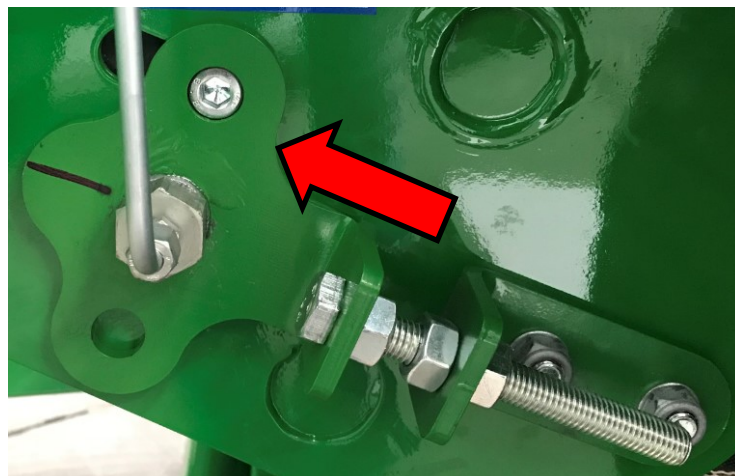
- Tracking is done by adjusting the angle of just one of the rollers on the rear chamber. **The belt will always climb to the higher side of the roller.**
- If the belts need to be brought to a particular side of the chamber, then adjusting the roller backwards towards the rear of the machine will move the belt over to that side.



Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models	Fusion Vario/V6 MK3/MK4/V67series

10. When standing at the rear of the machine, adjusting the right hand side of the roller towards the back of the machine will move the belt to that side of the chamber - see the arrows in the images below.



Belt Tracking Procedure (3 Belt & Single Belt)

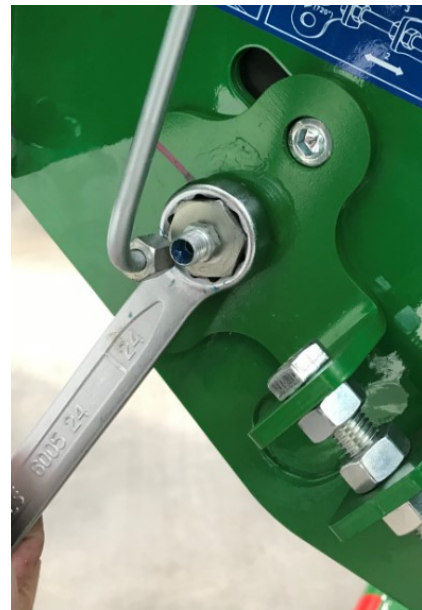
Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models:	Fusion Vario/V6 MK3/MK4/V67series

11. To adjust, remove grease pipe from head of bolt (older V6 will not have a grease pipe). Using a 24mm spanner, loosen the M16 bolt just enough to allow the roller to move.
12. Using a 19mm spanner, loosen the bottom nut and thread down the top nut (as shown in photos 3 & 4), this will push the roller to the rear of the machine which will track the belt towards you.

1



2



3



4



Belt Tracking Procedure (3 Belt & Single Belt)

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models	Fusion Vario/V6 MK3/MK4/V67series

13. When adjusted, lock the threaded bolt in place & tighten the M16 bolt. The grease pipe can be left off for now until you are sure that the belt is tracked correctly.
14. Run the PTO at 540 RPM (or 900rpm if fitted with 1000rpm gearbox), ensure the area is clear. Open and close the chamber every 30-40seconds while the PTO is running. It may take several minutes for the belt to move, so ensure to leave the PTO running. Adjust as required (ensure PTO is turned off & chamber is locked before adjusting), tighten all bolts fully when complete & refit grease pipe.
15. The belts/belt should now be running directly in the centre, the best place to check this is at the top of the tension arm guides - the space should be equal on both sides.



Correct Driving Procedure

Date Issued:	6/12/19	Info Reference:	
Type:	Mechanical	Models	Fusion Vario/V6 MK3/MK4/V67series

Below is an image of belt movement on a 3 belt V6 where the operator is not filling the chamber correctly. This is causing the belts to move to the side where there is **less crop**.

Looking at the images below, it is also visible that the belts are starting to bring crop up from the chamber & the belts eventually start to climb on top of each other. Continue to drive in this way & the belts will eventually twist. Crop needs to be fed into the side of the chamber that the belts are moving towards.

