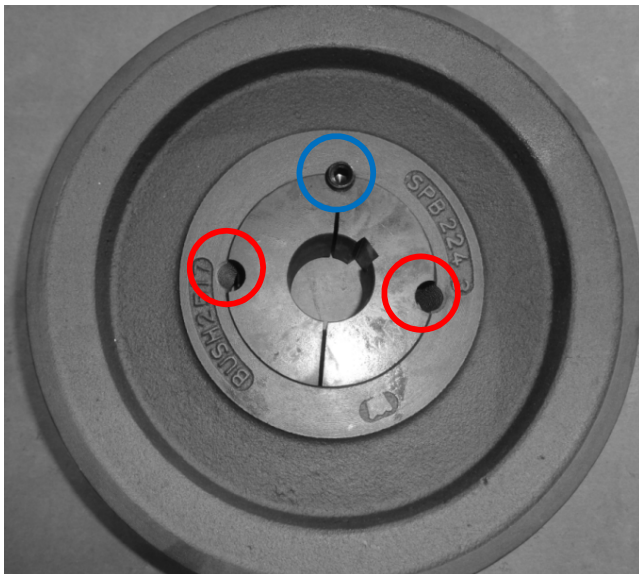
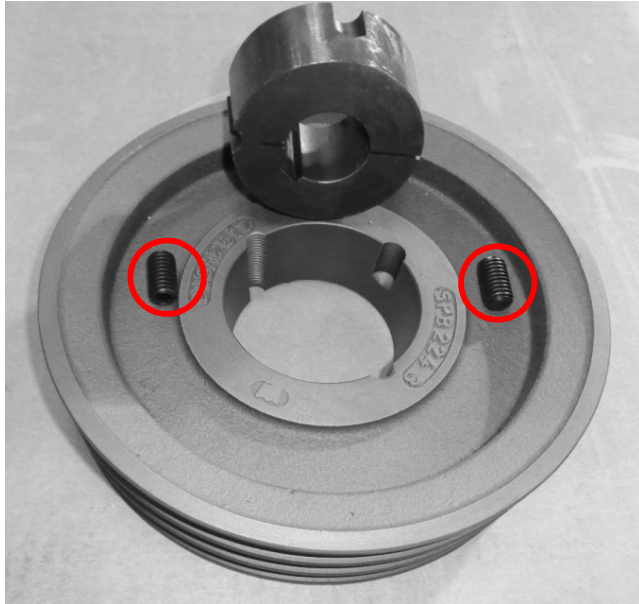


Roller conditioner

Pulley to drive the chevron rollers



Pulley to drive the chevron rollers

- Parts are conical.
- The blue marked hole in the centre is for disassembling off the pulley. After removing the 2 red marked screws on the outside, use one of them in the centre tap hole to loosen the 2 parts .
- The 2 red marked tap holes on the outside are to tighten the 2 parts together after aligning of the pulley's.
- Torque for the bolts is 50 Nm. (37 ft/lbs)
- Always check the alignment again after assembly as it's possible that the pulley has been moved sideways after reaching the correct torque.

Note;

It's important that both screws are tightened alternately and stepwise to the right moment!

If you just tighten one screw until it is fixed and then the other one, the cone is not fully in place and will eventually work out.

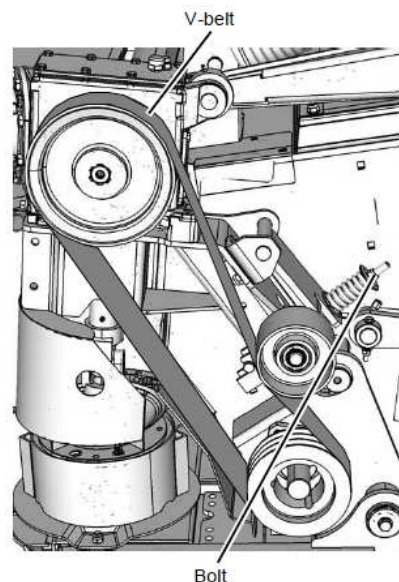
Never use Lock Tide or a similar product!

Roller conditioner

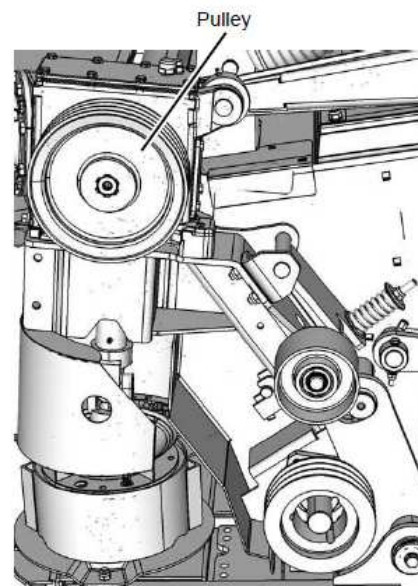
Different roller speeds

Rollers RPM	Diameter Pulley on the transmission
750	φ161 mm (6 ^{11/32})
900	φ225 mm (8 7/8")
1200	φ280* mm (11")

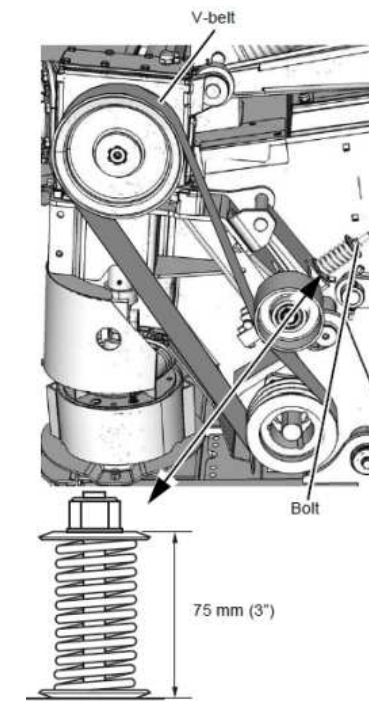
Changing roller speed



Changing roller speed



Belt tension



Different roller speeds

- 900 Rpm for the rollers is standard.
- Options; 750 rpm kit; for very light crops. (161 mm. pulley on the transmission)
- 1200 rpm kit; something you might need for the combination with BX (swath belt)

Changing pulley on top

- Remove the transmission guard.
- Completely loosen the bolt on the spring.
- Remove the V-belts.

Changing pulley on top

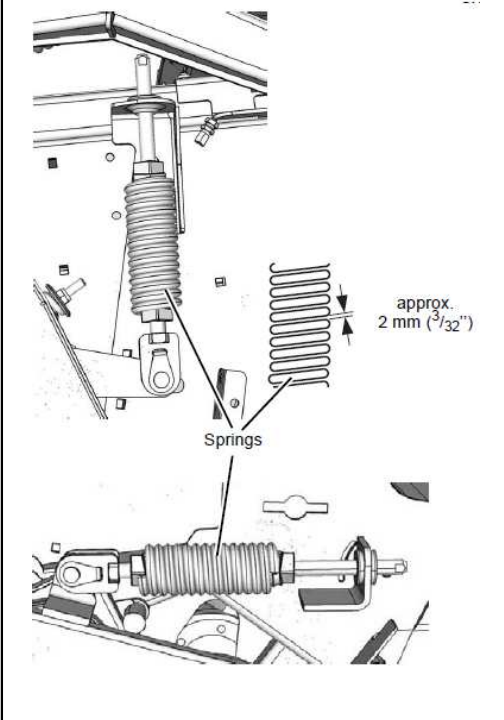
- Remove the pulley from the gearbox.
- Fit the new pulley.
- Check alignment of pulleys by using a long flat strip.

Adjusting belt tension

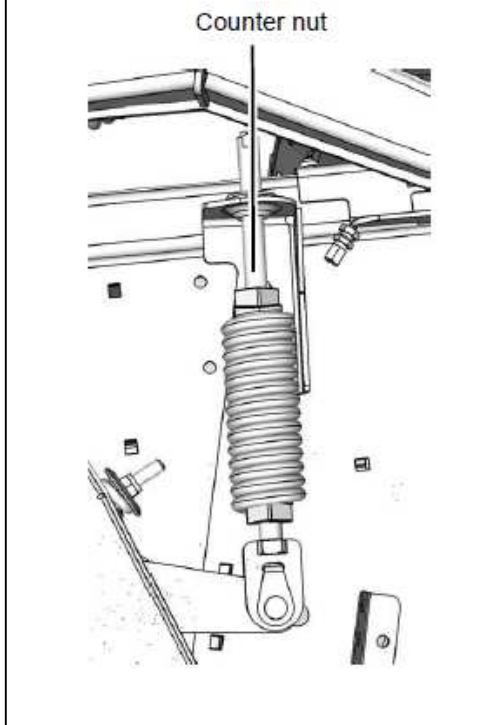
- Fit the V-belts.
- Tighten the springs to the measurement shown.
- Fit the guard.

Roller conditioner

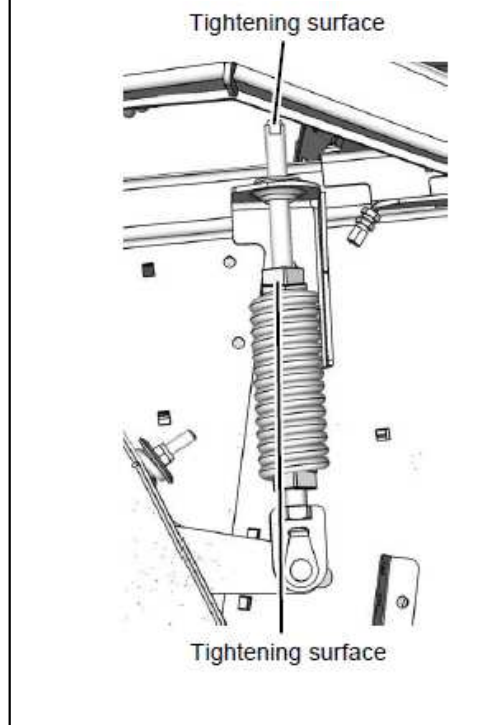
Adjusting roller pressure



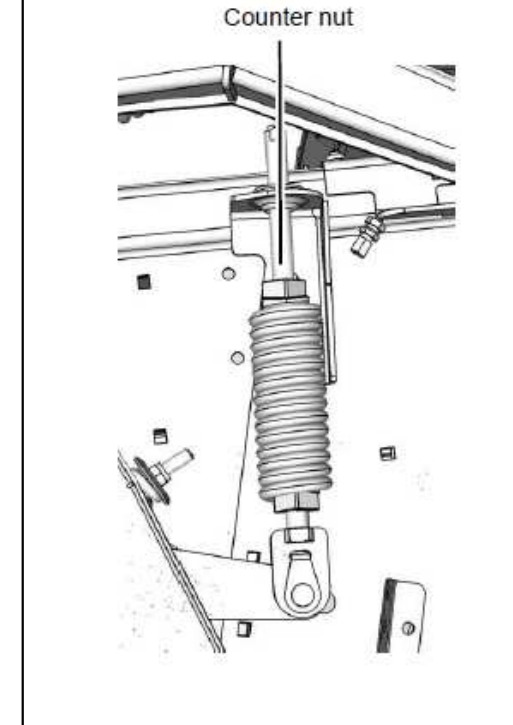
Adjusting roller pressure



Adjusting roller pressure



Adjusting roller pressure



Adjusting roller pressure

- The pressure of the rollers on the crop is adjusted by strong springs on both sides of the machine.
- The springs are manufactured to a standard setting of approximately 2 mm (3/32") between the spring coils as shown.

Adjusting roller pressure

- Use the appropriate tools to loosen the counter nut shown, which is located close to the springs.
- It is recommended that the springs are adjusted approximately 5 mm (3/16") at a time looking to the rod length. (**= not the space between the spring coils!**)

Adjusting roller pressure

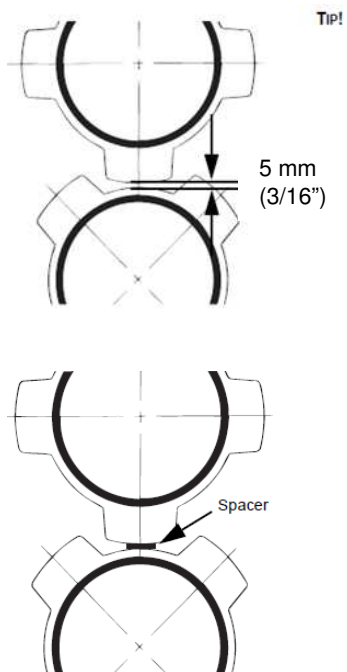
- Position a tool on the tightening surface of the spring.
- Position a tool on the tightening surface of the spindle.
- Use the tool and tighten the spindles.
- Tightening the spindles in a clockwise direction increases the pressure of the rollers on the crop.
- Tightening the spindles in an anticlockwise direction reduces the pressure of the rollers on the crop.

Adjusting roller pressure

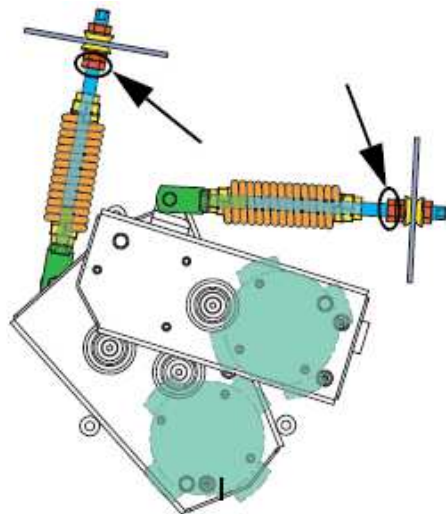
- Tighten and secure the counter nut on the spring after the final adjustment.
- The setting for the springs must be exactly the same on both sides of the machine.

Roller conditioner

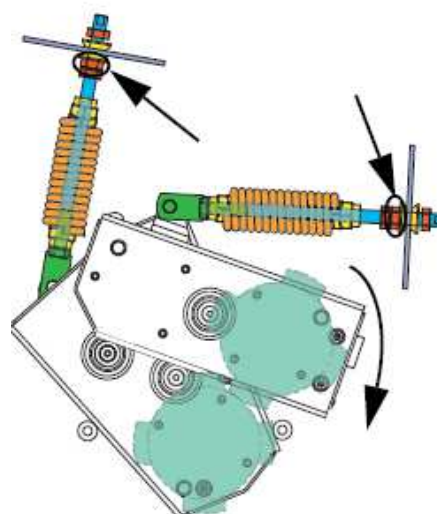
Minimum roller distance



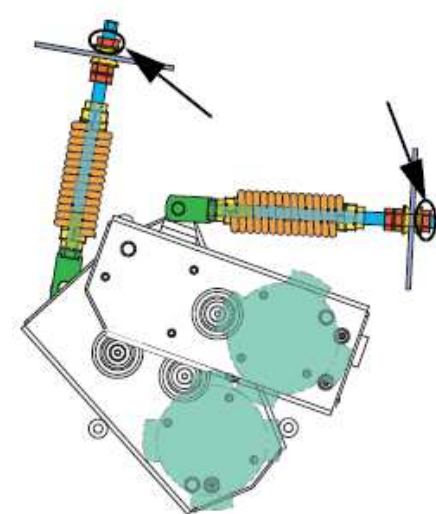
Adjusting roller distance.



Adjusting roller distance



Adjusting roller distance



How to check the roller distance

- The recommended distance between the rollers is 5 mm (3/16")
- Place a 5 mm (3/16") spacer in between the rollers, approximately 50 mm (2") from the outermost end of the roller on both the left and right-hand sides.
- Turn the rollers a little so that the spacers are placed in between the rollers. Check that the rollers are correctly positioned pressed against the spacers.

Reducing roller distance

- Loosen the counter nuts shown.

Reducing roller distance

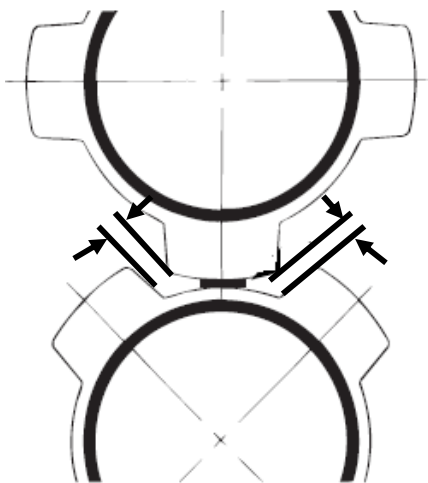
- Reduce the distance between the rollers by screwing the nuts shown until you reach the right distance.

Reducing roller distance

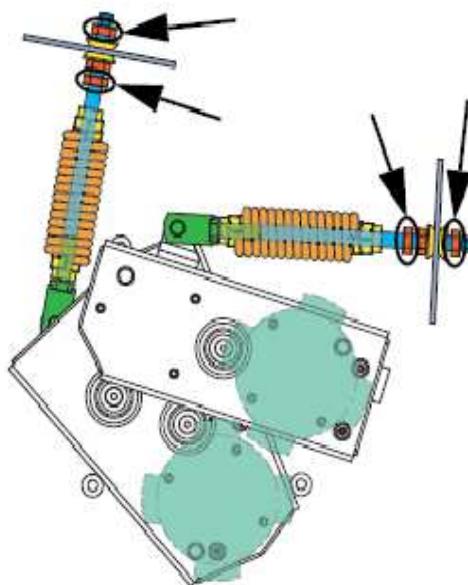
- Tighten the counter nuts.

Roller conditioner

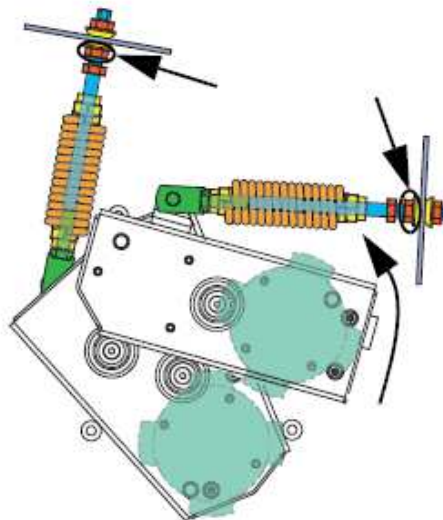
Timing



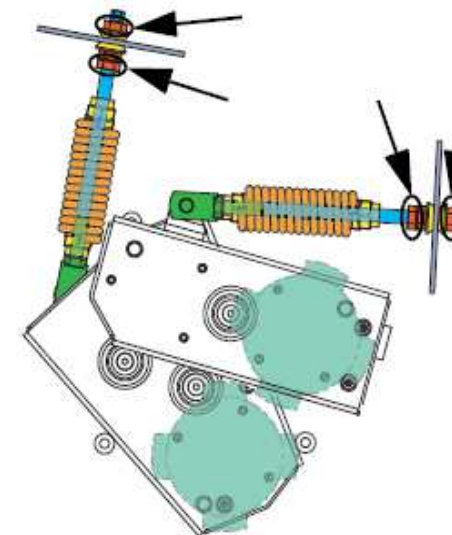
Adjusting roller distance.



Adjusting roller distance.



Adjusting roller distance.



Timing

- In case for some reason one of the rollers has to be removed or replaced, be sure that the timing is OK after assembling again. That means same space on both sides .

How to increase the distance

- Loosen the counter nuts shown.

How to increase the distance

- Increase the distance between the rollers by screwing the nuts shown until you reach the right distance.

How to increase the distance

- Tighten the counter nuts.