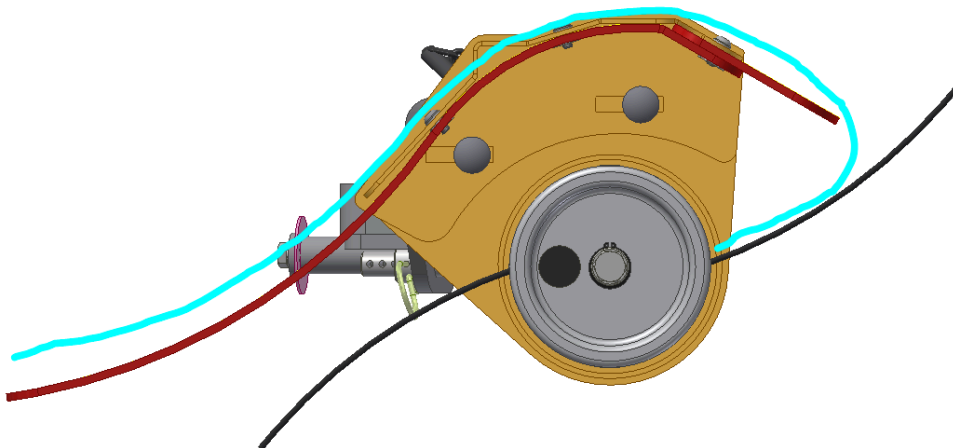


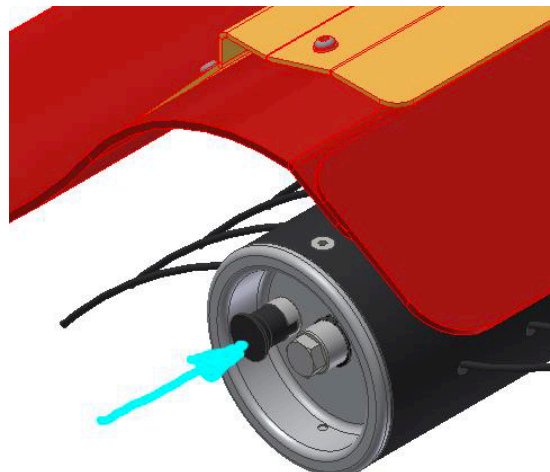
# Instructions for Fischer TORNADO

## General:

- Total required hydraulic oil flow @ 16-20L/min.
- Recommended speed of rotation @ 1200rpm -1400rpm.
- Cord spindle with 8 x cords @ 10m.
- Free cord length @ +/- 90cm (to be maintained at length).
- The brush cover (red) can be used as a reference to adjust the cord length by folding the cord (blue) over the top of the Tornado head, approximately reaching the far edge of the rear rubber flap.
- Do not run the TORNADO on gravel and concrete as the cord-ends can be compromised by hitting the hard surface - run it in grass.
- The system is well suited for the use in wet conditions.
- Recommended trimmer line is: DESERT VORTEX 3.3mm, 3.9mm and 4.3mm



- To re-lengthen the cords after wear, pull the black button out and turn it by 90° to disengage the outer plastic shell from the inner brush spindle.



- The plastic tube is now spinning freely and the cord can be pulled out to its required length of 90cm (as illustrated above). Even up all cords and keep going.
- The cord needs to be a minimum length of 2.5 x of the distance in-between the brush spindle and the safety cover.
- This minimum length needs to be maintained to avoid damage caused by the sharp ends of the cord to the trunks and the safety covers.
- Disengage the black button to lock the spindle after re-adjusting the cord length.

### **Safety Cover Adjustment:**

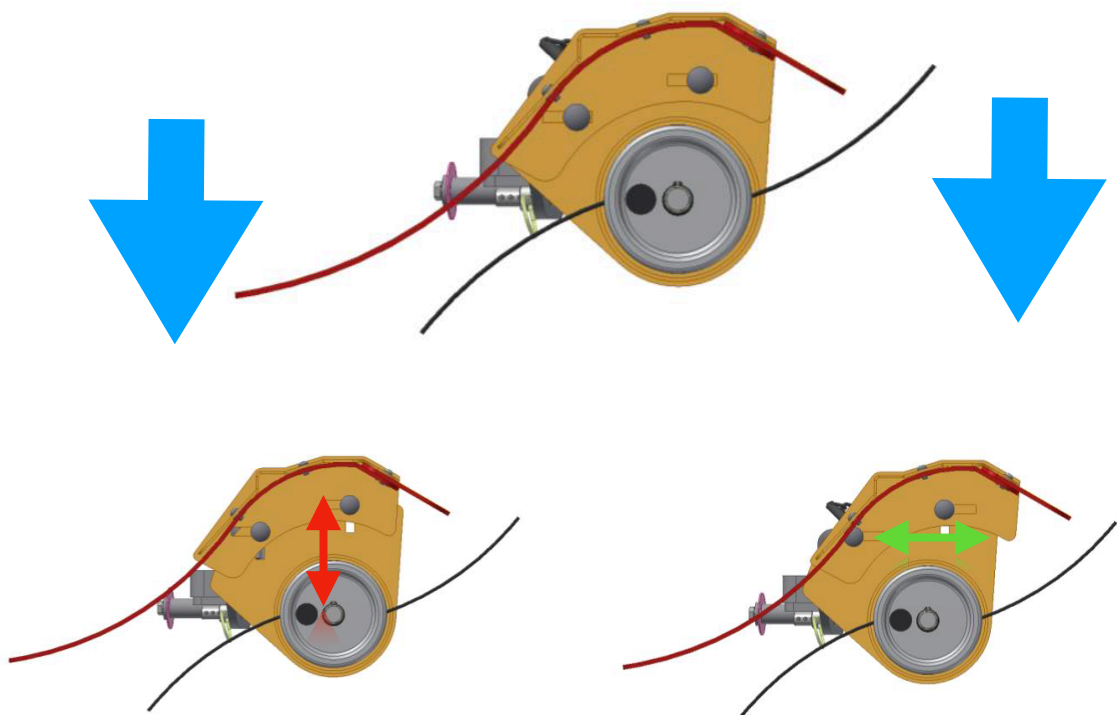
The safety cover with rubber flaps can be vertically and horizontally adjusted:

A higher adjusted safety cover results in:

- Less power requirement.
- Less internal wear and tare of the weeding cord.
- Better result and height for de-suckering.
- It can cut higher grass.

A lower adjusted safety cover results in:

- The maximum working height / or output height of the weeding cord can be reduced to adjust to the given conditions.



Safety cover adjusted forward:

- The weeding cords are longer in contact with the guiding flaps and hit the plants softer.
- The Tornado works more gentle.
- The operating speed should be reduced for this position.

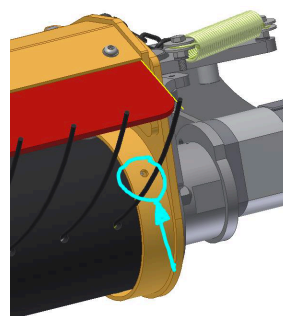
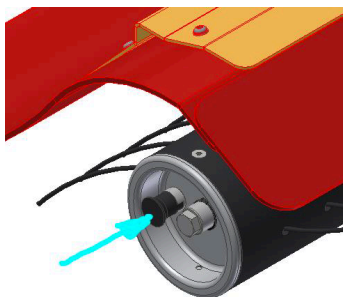
Safety cover adjusted backward:

- The Tornado works more aggressive.
- The weeding cord exits earlier and has more time to act on the grass.

### **Installing a new set of weeding cord:**

Steps to follow:

- Remove the circlip on the end of the spindle.
- Pull the plastic tube of the spindle/shaft - and remove leftover bits of weeding cord from the shaft.
- Unwind and remove all remaining weeding cord.
- Re-install the plastic tube on the spindle/shaft.
- Insert the new 10m lengths of weeding cord through the small holes and through the spindle using the 'Needle' and pull the cord on both sides to equal length.
- Both sides of the weeding cord should have the same length - if not, shorten them to equal length.
- Pull the locking bolt and twist by 90° to disengage the inner spindle from the plastic tube.
- Insert the Locking Pin (supplied) at the protection ring on the base plate of the Tornado as shown below - the Locking Pin needs to klick into the gap in the end plate to stop the tube from spinning freely.



- Now you can wind the extra cord length clockwise onto the inside spindle using a spanner or a battery powered tool connected to the front hex-bolt until only 90cm of cord remains. Remove the pin and re-lock the locking button before using it - you are ready to continue.