

### Brush drive / Belt tensioners

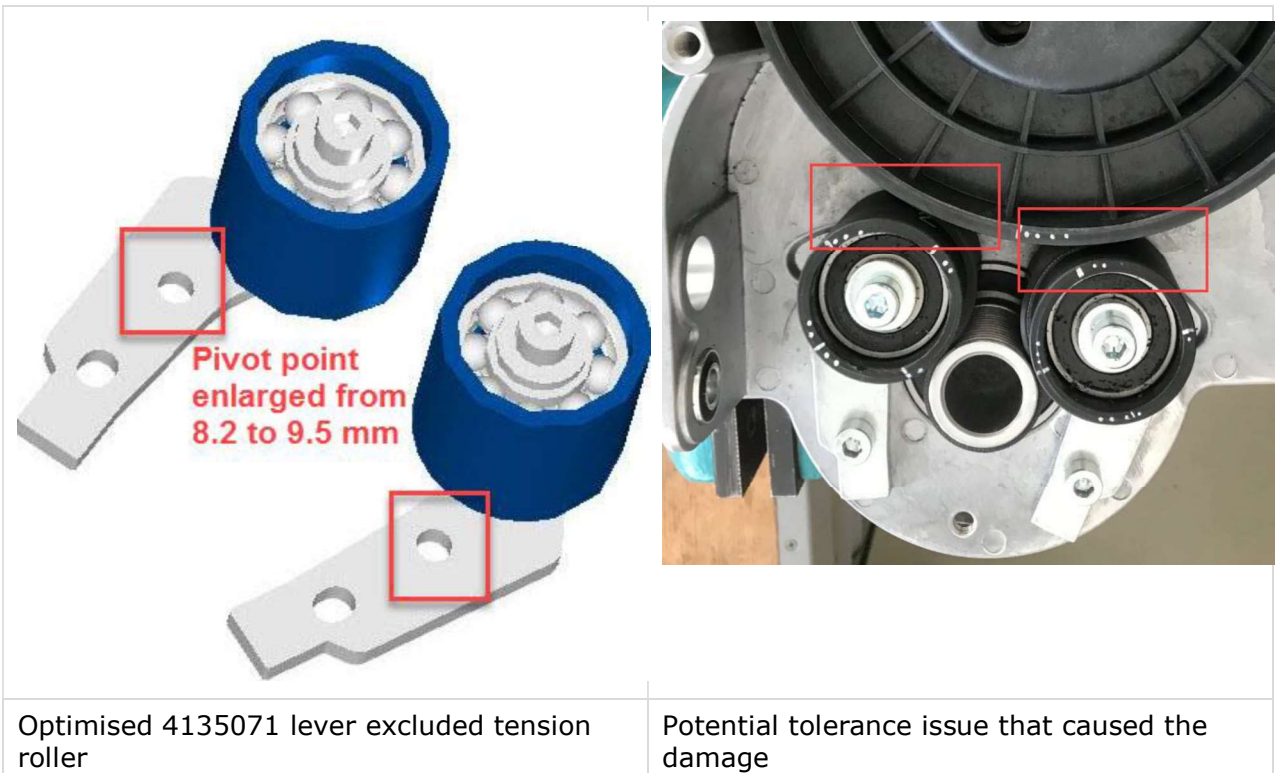
<b>Machine</b>	<b>TASKI ULTIMAXX</b>
<b>Subassembly</b>	<b>Brush drive 43/50</b>

### Belt tensioning situation

We repeatedly received feedback from the field that the drive belt glides off the pulley and tears itself apart or falls off. In order to reach an improvement some constructive midterm modifications have been done.

On the new modified brush drive, the two belt tensioners have been modified (left picture; belt tensioner marked red). On the new setup of the brush drive, the hole for the pivot point on the lever 4135071 has been enlarged from Ø 8.2 to Ø 9.5. This will allow a sufficient tolerance (distance) between the two tensing rollers to the large belt pulley.

On the right picture the potential tolerance issue that caused the damage on the belt. The red frame shows the critical area.



In order to reach an optimal tensioning result we recommend replacing the tension lever 4135071 to the new version. Please refer to the enclosed description on the upgrade and tensioning of the brush belt.

Removing the belt tensioner:

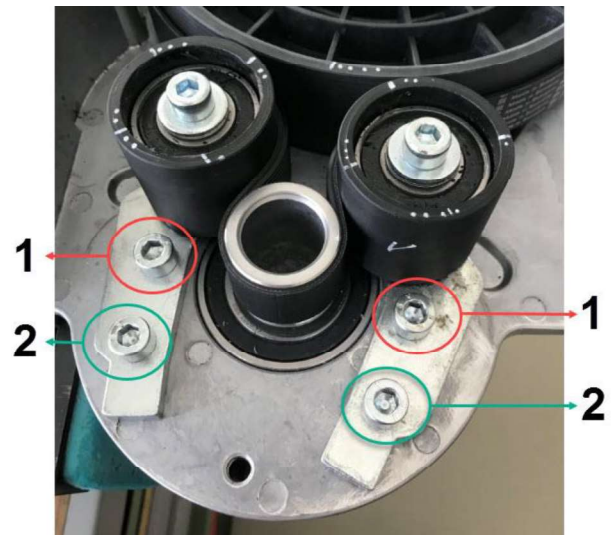
1. Remove both belt tensioner by removing the fixations and pivot point screws
2. Remove both rollers and place it onto the modified lever
3. Ensure they are placed and tightened sufficient
4. If needed remove the brush belt

Mounting the belt tensioner:

5. Position the belt over the drive pulley and the belt pulley
6. Place modified tension pulley
  - o Start with the unloaded belt side in drive direction, which is the right hand side
7. Place the screw 1 for the pivot point (do not tighten it yet)
8. Tension the belt by moving the tensioning lever with a 17mm fork spanner
9. Position the screw 2 for the fixation point (do not tighten it yet)
10. Remove the 17mm fork spanner
11. Tighten the screw 2
12. Tighten the screw 1
13. Run the belt drive for approx. 15sec to ensure it stays in place, else adjust the belt again end repeat the steps
14. Place the 2<sup>nd</sup> belt tensioner
  - o Repeat the steps 7 to 13



Unloaded belt side on the right hand side in drive direction



Screw positions and numbering

Description	Material number	Remarks
Lever	4135071 (17655-26)	Existing spare part number
Brush drive SD 43/50 complete	4135144 (17658-52)	Existing spare part number



# GTS Info TASKI ULTIMAXX

June 2023

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## Status and timing

In addition are we working on a new belt layout for the long term solution, on which the brush plate will be modified. Samples are coming in and internal test will be conducted by end of August 2023. Q3/2023 GTS will inform accordingly.

## Production

TASKI ULTIMAXX 900	as of P-Series start which is as of machine number 3266
TASKI ULTIMAXX 1900	as of machine number 2828
TASKI ULTIMAXX 2900	was never produced as SD 43/50