

Maintenance Manual VeloComfort[®] ConveyorBelt:

1. Safety first!

Step 1

Check the green light(s) on the control box.

- Light is constant on: the system works
- Light is flashing (1 sec, on 1 sec, off): the emergency stop is on
- Light is flashing (2,5sec on 2,5 sec off): the system is in overload safety (The overload safety will deactivate in 10 minutes or if the control box is rebooted.)
- Light is off: the power is disabled. (always check the main switch to be sure)

Step 2

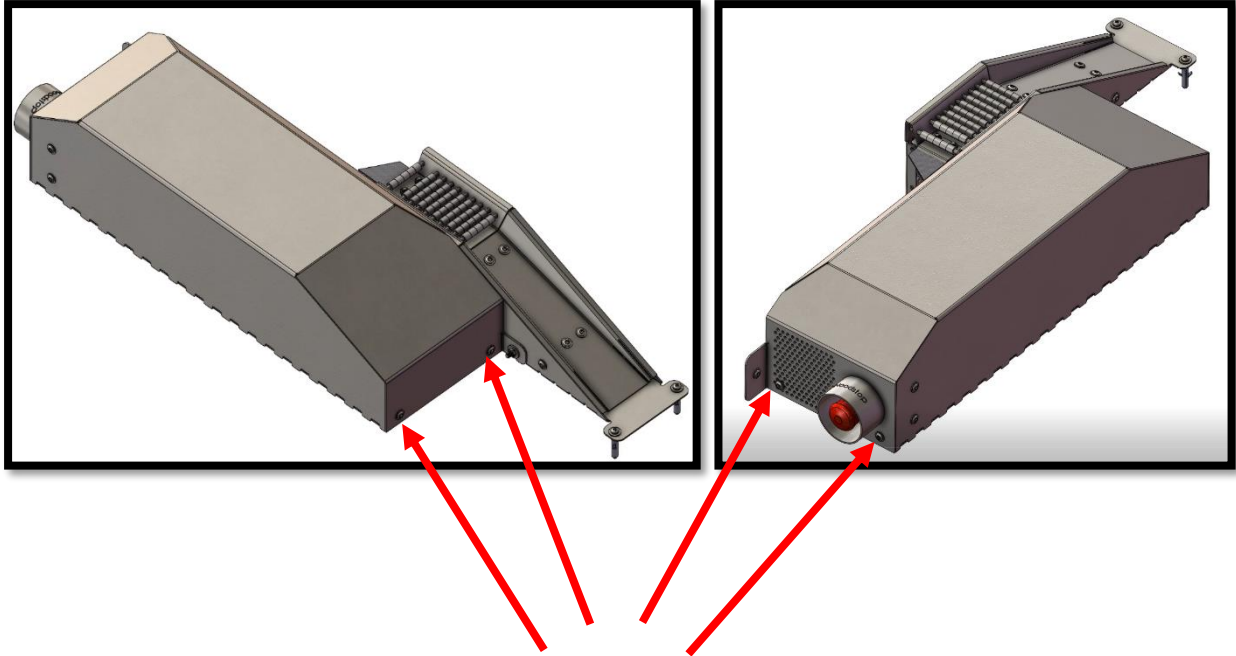
- Press the Emergency button(s).
- Put the main switch to off in the control box.
- Wait till the green light on the control box turns off.

Now it is safe to start maintenance

2. Disassemble VeloComfort® Output

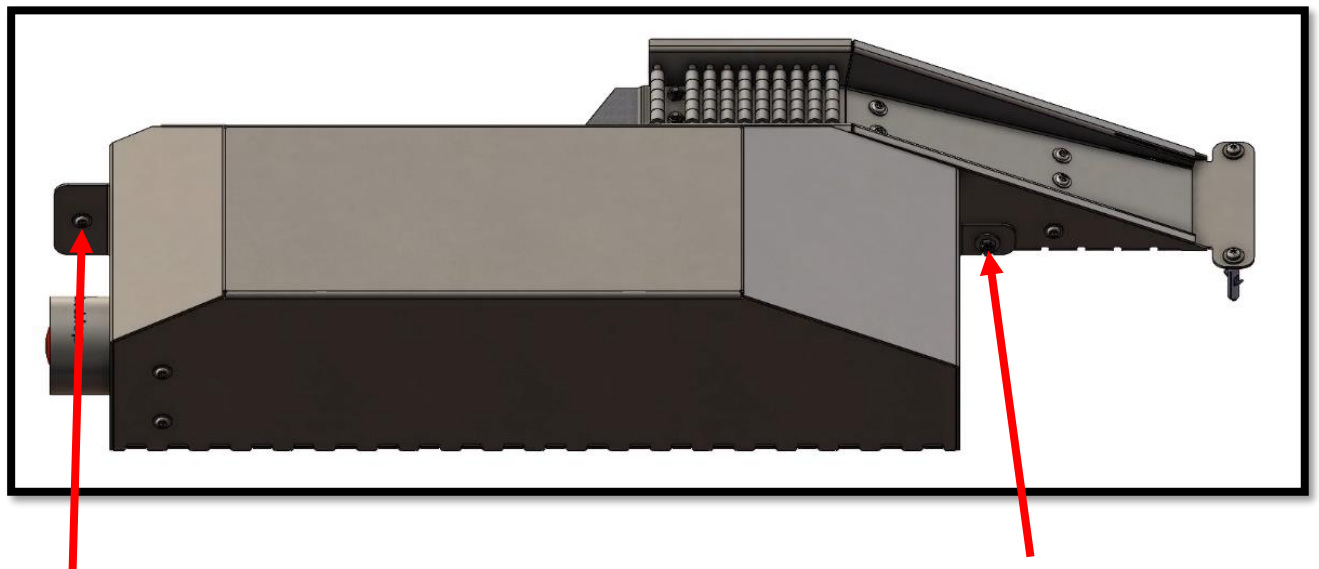
Step 1 (optional)

Remove 4x M6x12 Torx 30 bolts from the motor cover



Step 2

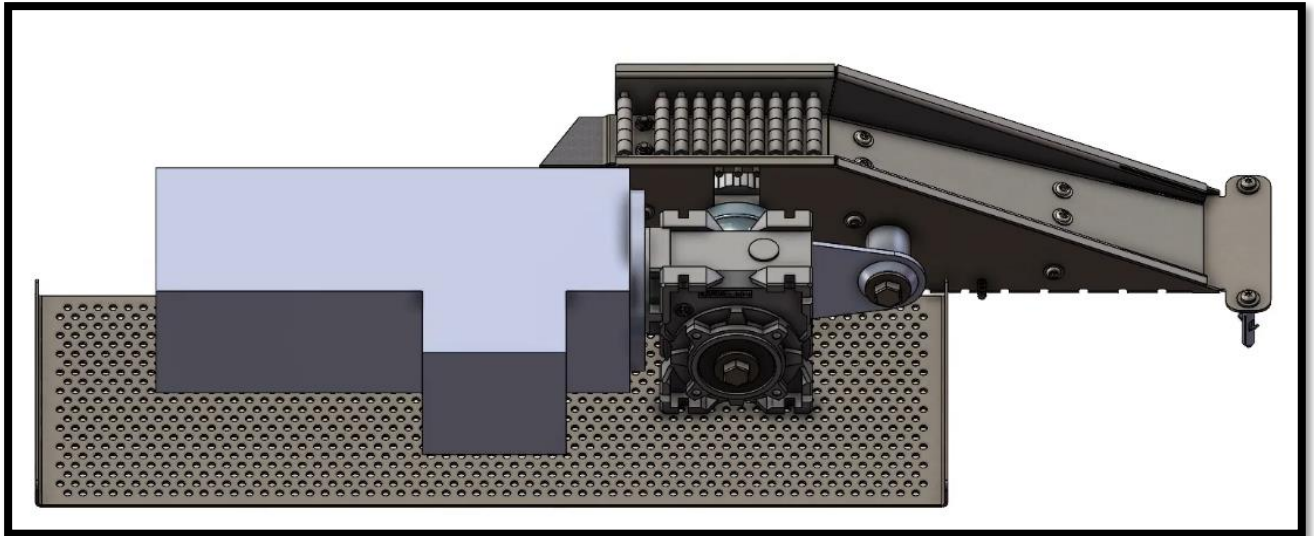
Remove 1x M6x12 Torx bolt and 1x M6 Nut



Step 3

Remove Motor cover

Attention: (the Emergency stop cable is attached to the motor cover)



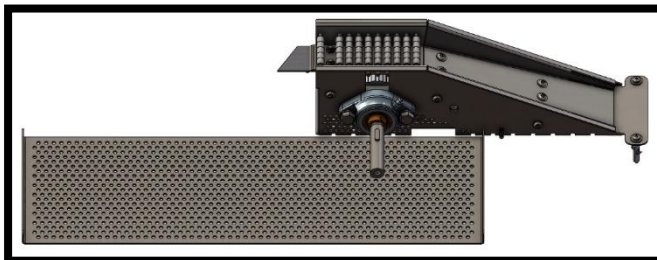
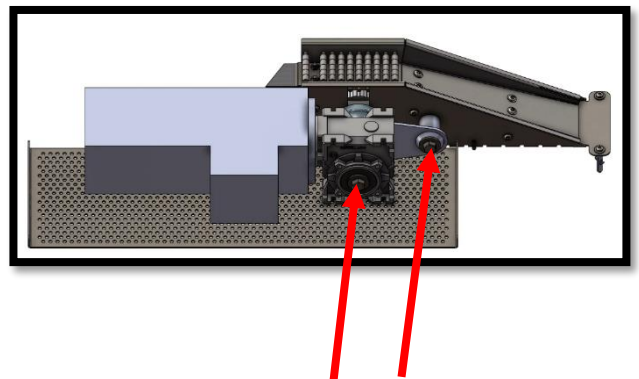
Step 4

Remove 1x Bolt M10x20 and 1x Bolt M10x60

Remove Motor

Attention: the Motor cable and Temperature cable* is attached to the output

* optional

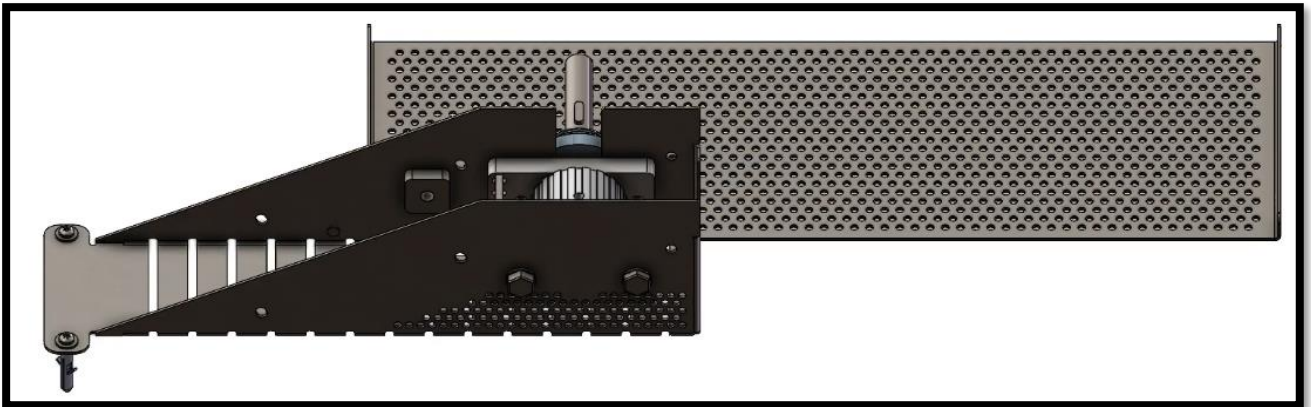


Step 5

Remove 6x M6x12 Torx bolt

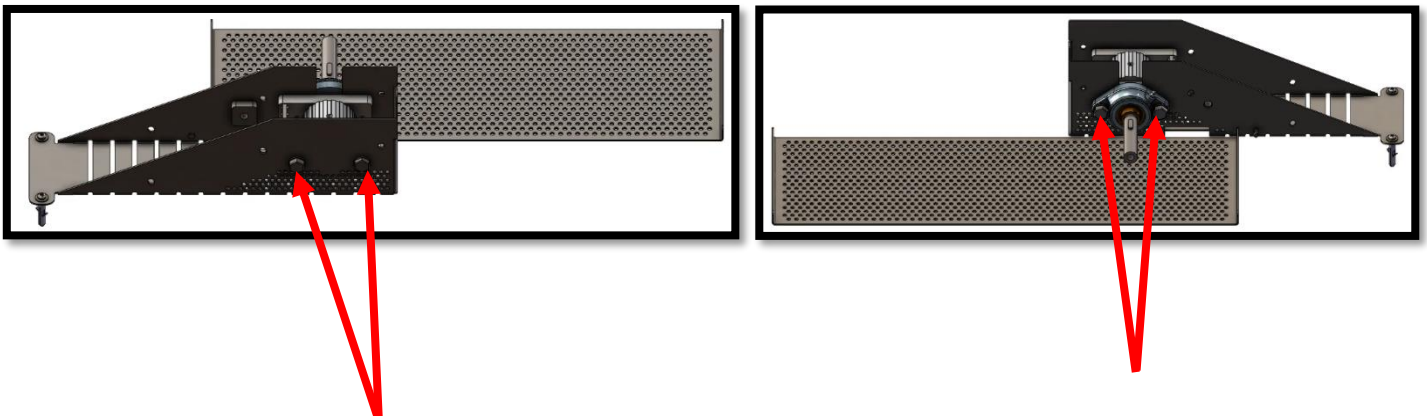


Remove Cover



Step 6

Remove 2x M10x20 and 2x M10x25 bolts



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KvK: 77815092 | BTW: NL861156687B01 | BIC: RABONL2U | IBAN: NL95RABO 0328101524 | SC: 990260 | EORI: 861156687

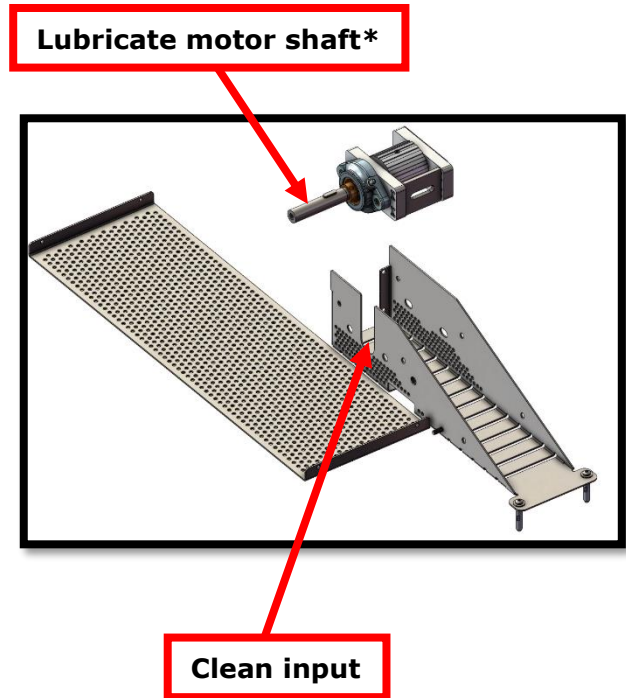
Op al onze offertes, op alle opdrachten aan ons en op alle met ons gesloten overeenkomsten zijn de Metaalunie-voorwaarden van toepassing, gedeponeerd ter Griffie van de Rechtbank te Rotterdam, volgens de laatste aldaar neergelegde tekst. Deze leveringsvoorwaarden worden u op verzoek toegezonden.

Step 7

Clean the output and lubricate the motor shaft*

*Lubricant: Kajo Chipping Hammer Paste

- Clean input
- Lubricate Motor shaft
- Assemble drive pulley



3. Disassemble VeloComfort® Input

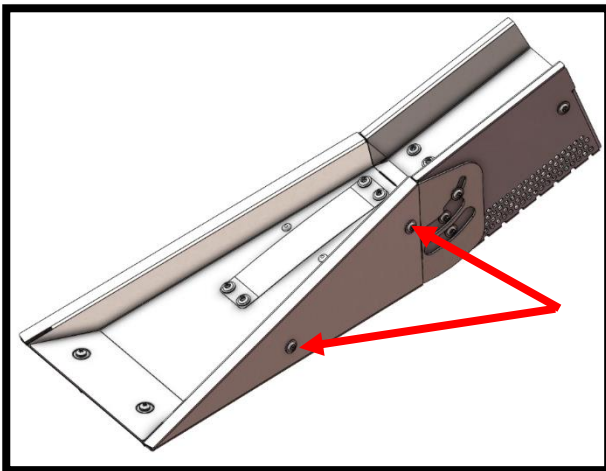
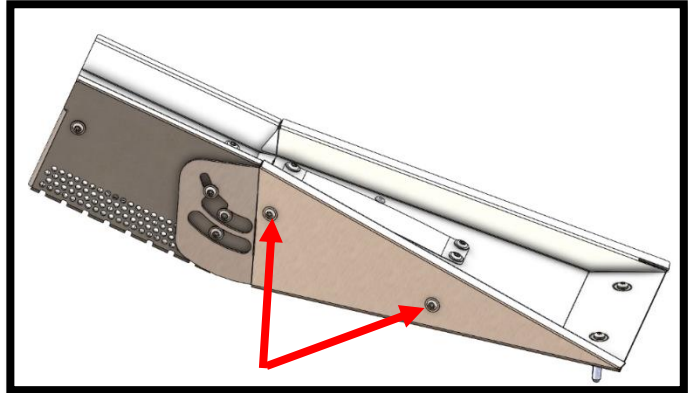
Step 1

Remove 4x M6x12 Torx 30 bolts from the input

And remove the cover

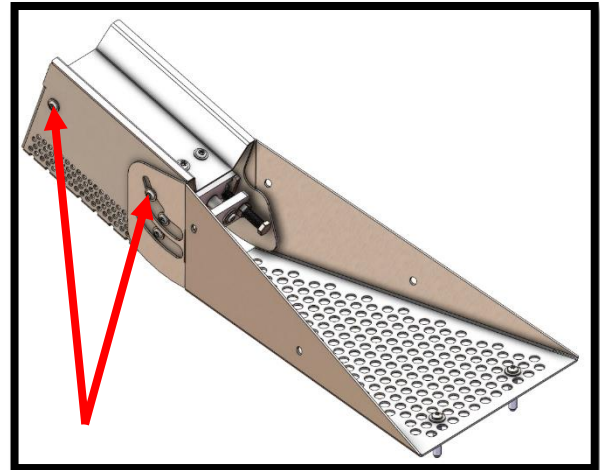
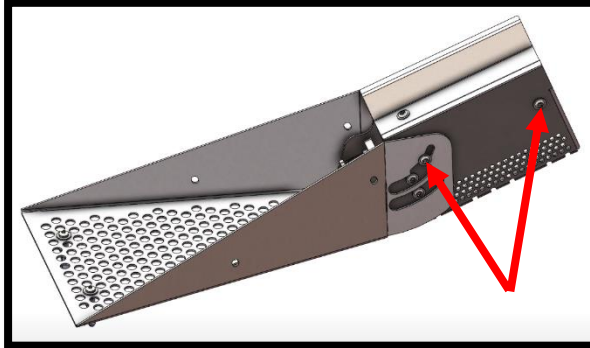
The sensor is attached to the cover

Attention: the sensor cable is attached to the cover input



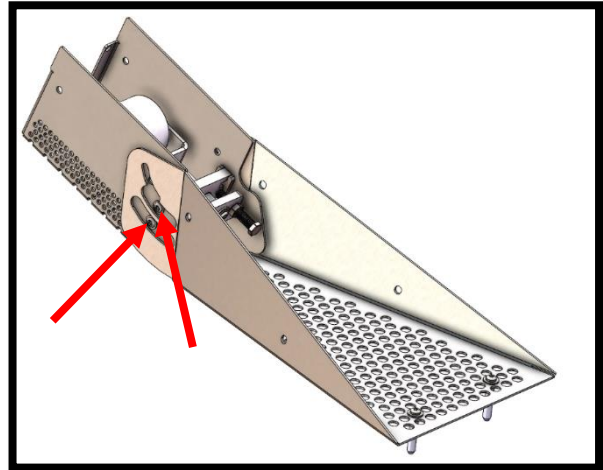
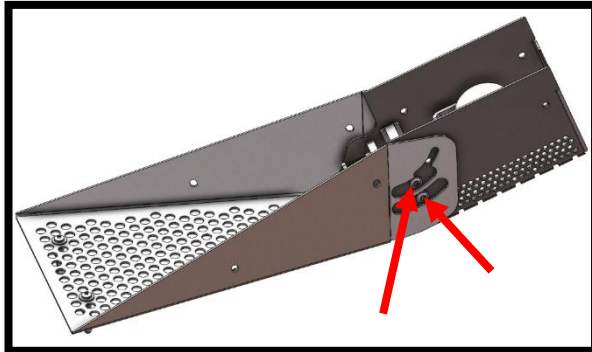
Step 2

Remove 4x M6x12 Torx 30 bolts and remove cover



Step 3

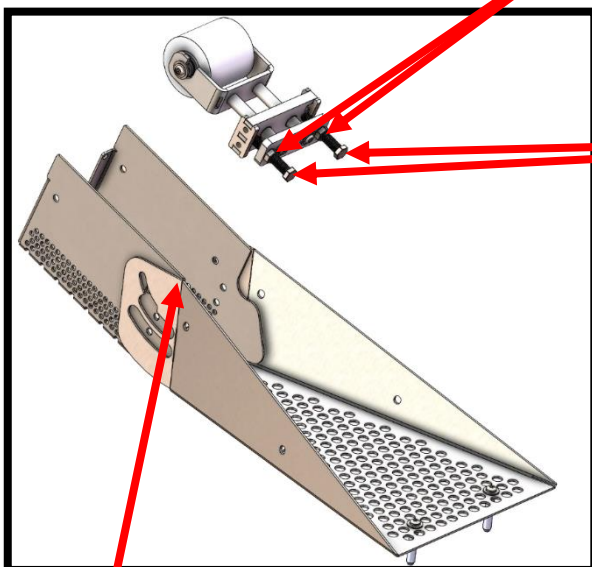
Remove 4x M6x12 Torx bolts and remove driven pulley



- Check bearings and roller of the driven pulley
- Assemble driven pulley
- Adjust belt tension and aligning by turning the M8 bolts
- Lock the position by tighten The M8 nuts to the stainless steel plate

Tighten nuts to lock position

Adjust bolts to tension and align belt

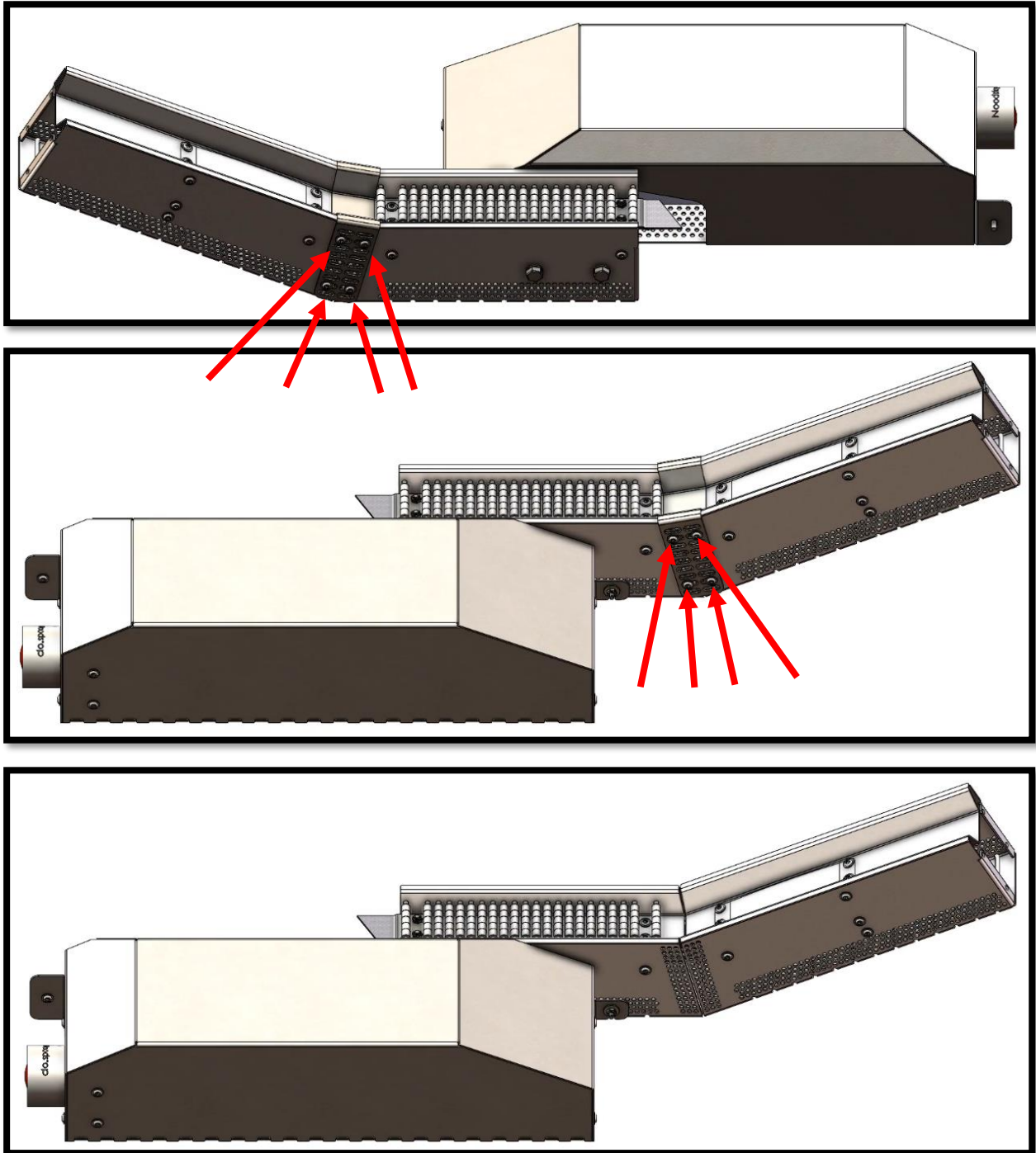


Clean input

4. Disassemble VeloComfort® Transition (optional)

Step 1

Remove 8x M6x12 Torx bolts and remove transition plate



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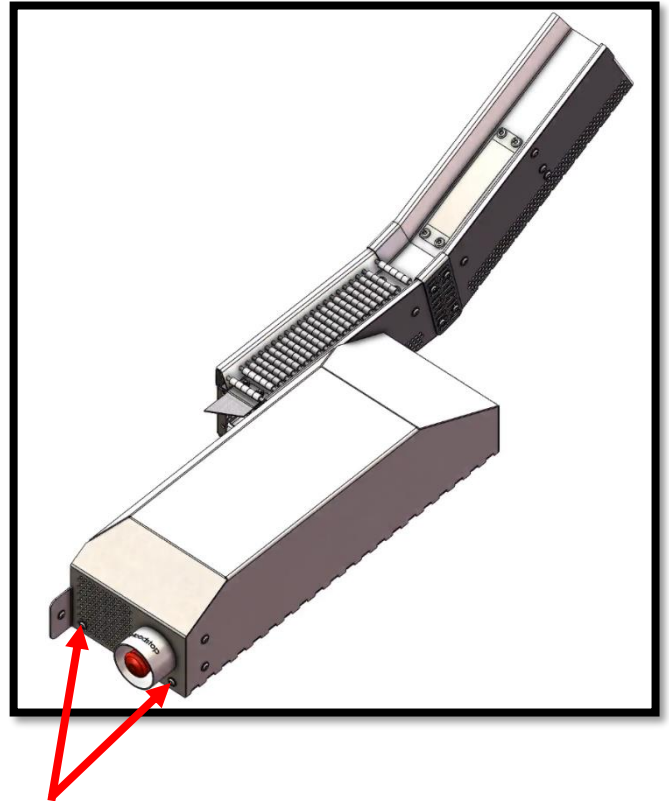
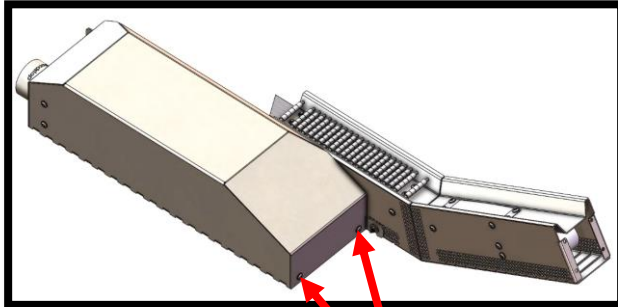
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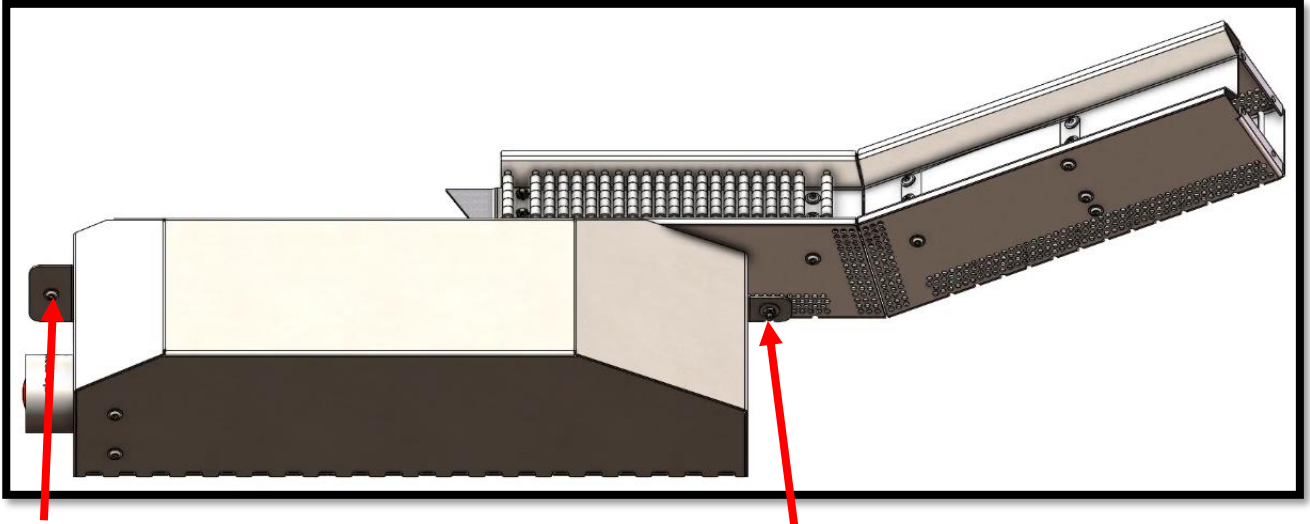
Step 2 (optional)

Remove 4x M6x12 Torx 30 bolts from the motor cover



Step 3

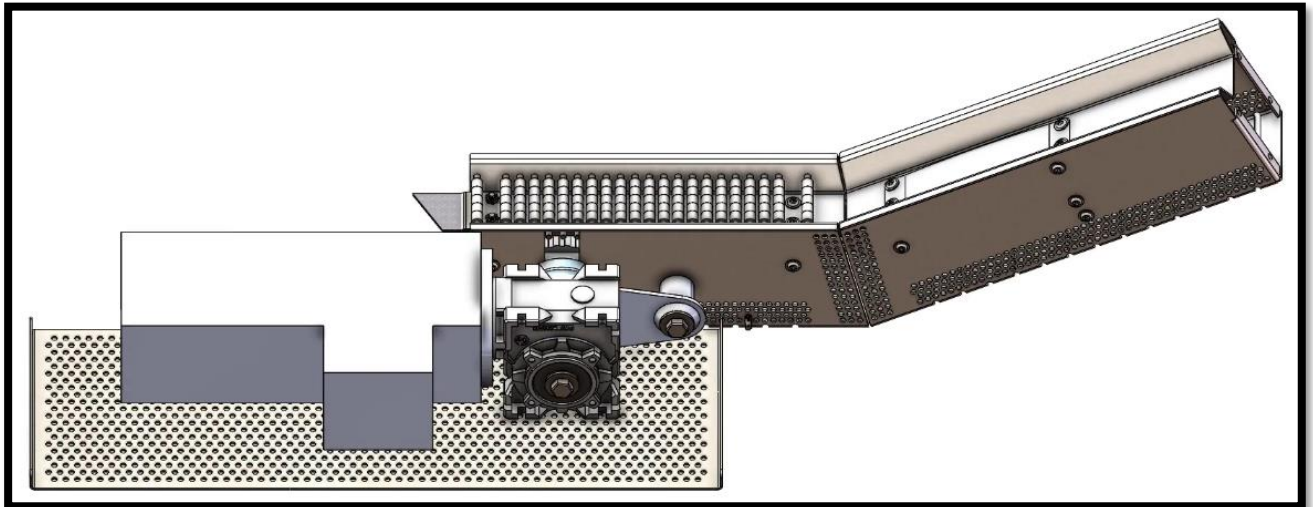
Remove 1x M6x12 Torx bolt and 1x M6 Nut



Step 4

Remove Motor cover

Attention: (the Emergency stop cable is attached to the motor cover)



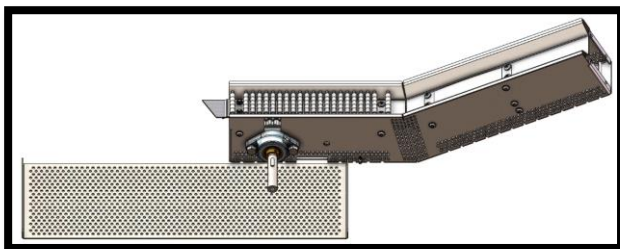
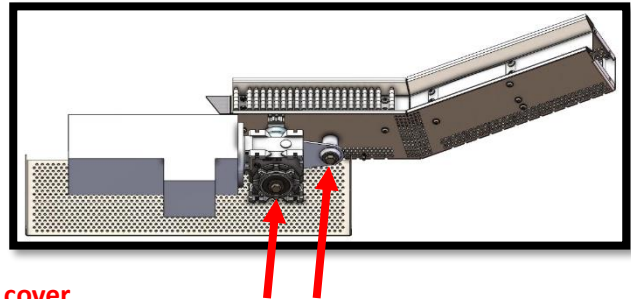
Step 5

Remove 1x Bolt M10x20 and 1x Bolt M10x60

Remove Motor

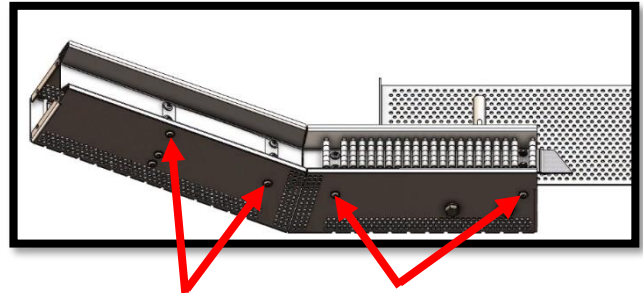
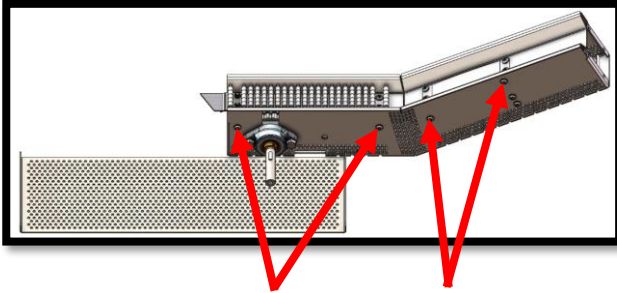
Attention: the Motor cable and Temperature cable* is attached to the Transition cover

* optional

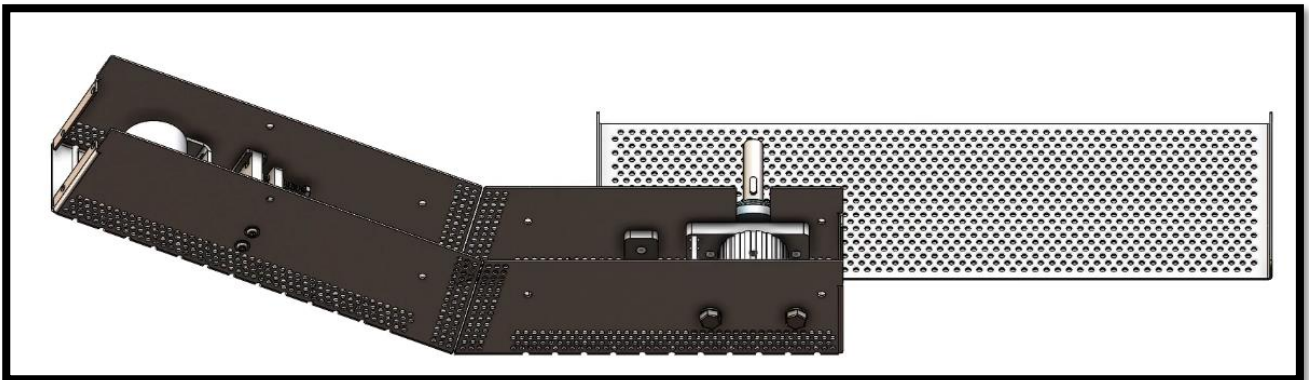


Step 6

Remove 8x M6x12 Torx bolt

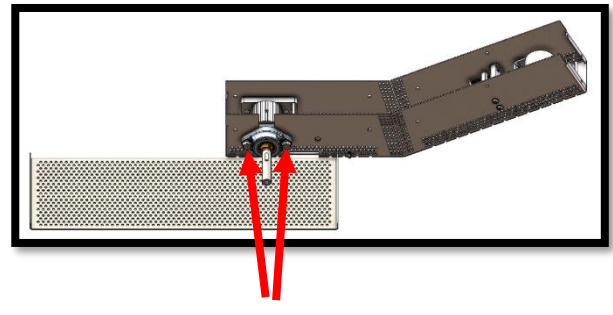
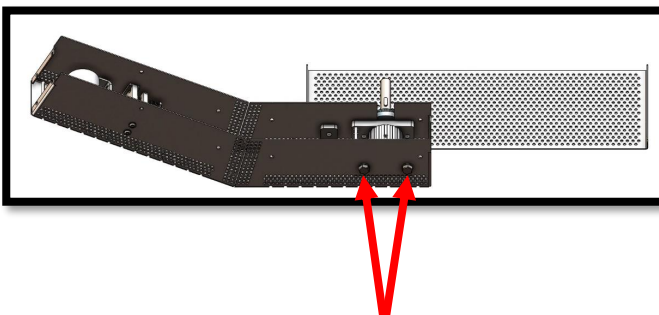


Remove Covers



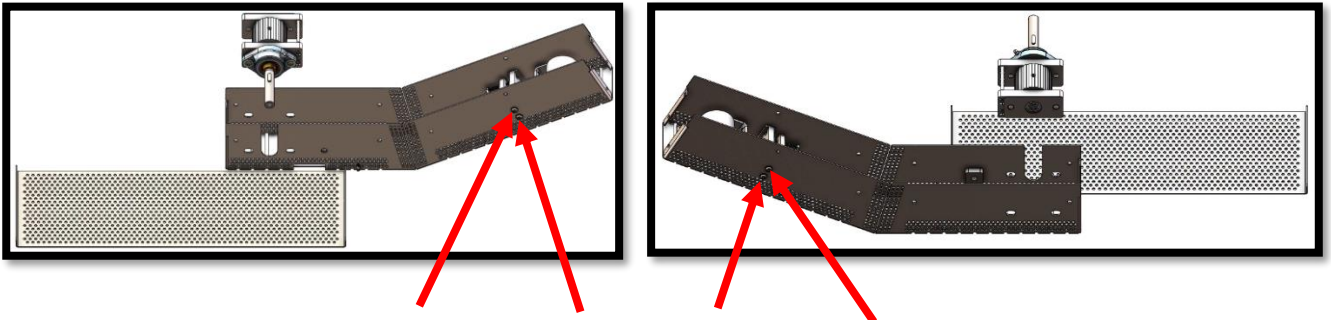
Step 7

Remove 2x M10x20 and 2x M10x25 bolts



Step 8

Remove 4x M6x12 torx bolts

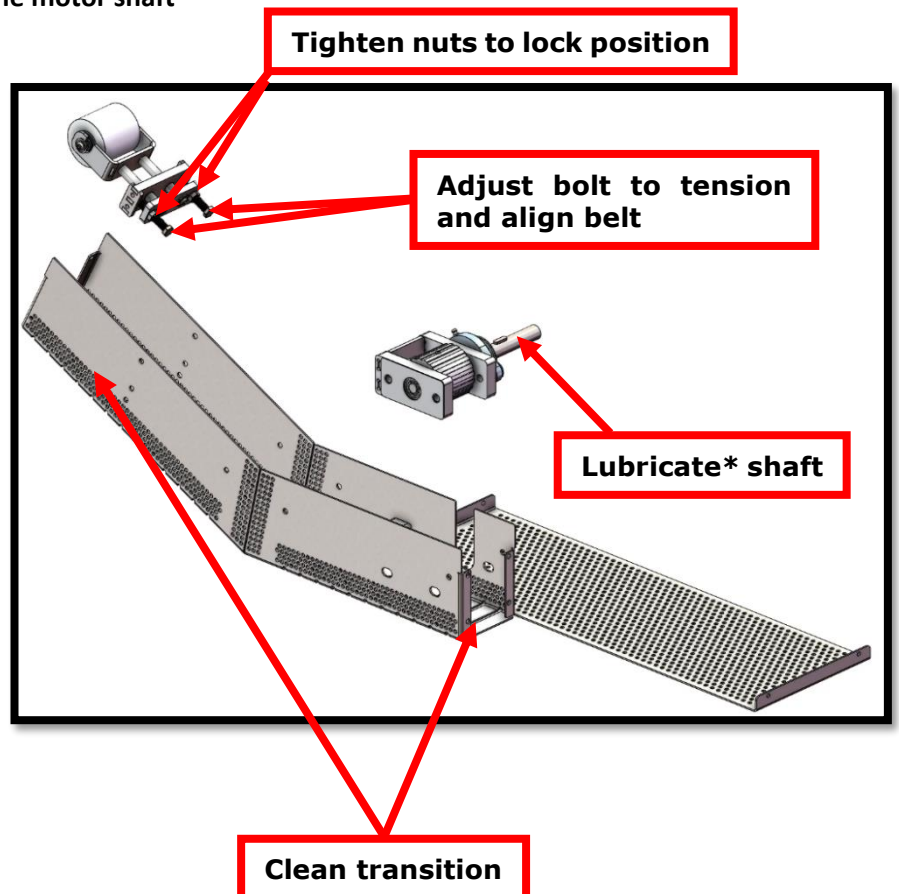


Step 9

Clean transition and lubricate* the motor shaft

*Lubricant: Kajo Chipping Hammer Paste

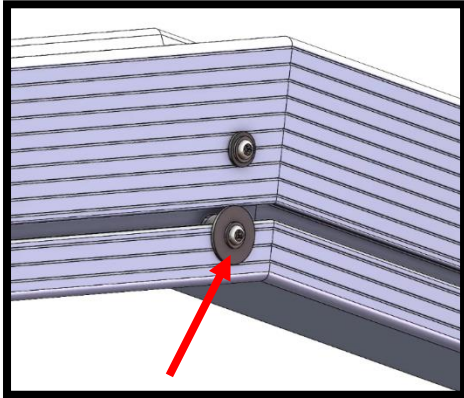
- Clean transition
- Lubricate* shaft
- Assemble drive pulley
- Check bearings and roller of the driven pulley
- Assemble driven pulley
- Adjust belt tension and aligning by turning the M8 bolts
- Lock the position by tighten The M8 nuts to the stainless steel plate



5. Disassemble VeloComfort® Belt guiders

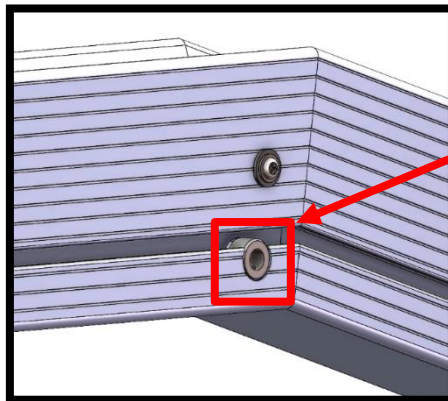
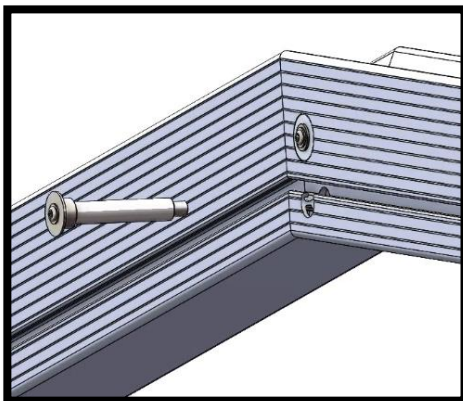
Step 1

Remove 1x M6x12 Torx bolt



Step 2

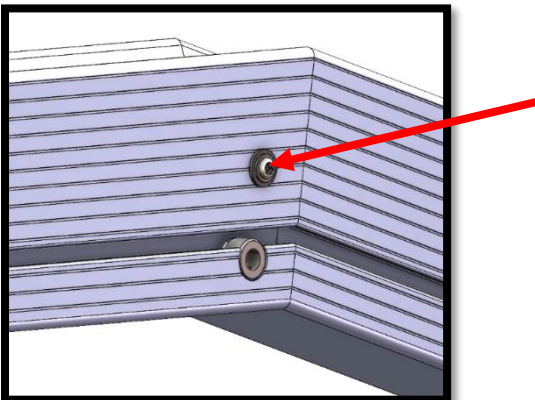
Remove Belt guider small by pushing the shaft out through the fixing collar (**attention: do not push the fixing collar in the profile**)



Fixing collar stays in

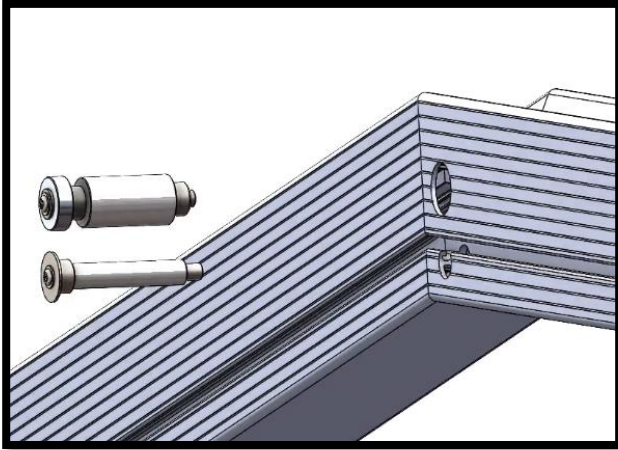
Step 3

Remove 1x M6x12 Torx bolt



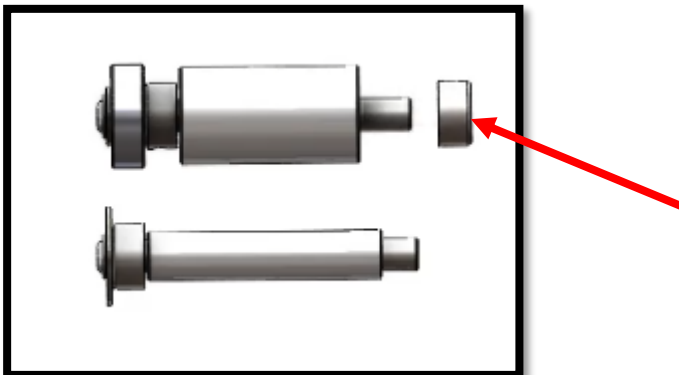
Step 4

Remove Belt guider large



Step 5

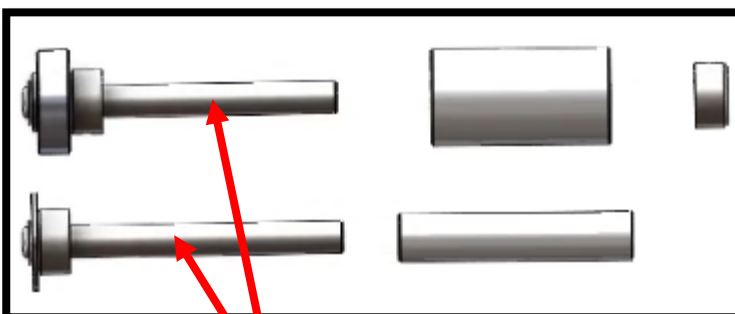
Remove Fixing collar from belt guider large



Step 6

Remove and check the plastic rollers and lubricate* the shafts.

*Lubricant: Kajo Chipping Hammer Paste



Lubricate shafts

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6. Assemble and test

Step 1

Assemble the components below without covers!

1. Assemble VeloComfort® Belt guiders
2. Assemble VeloComfort® Output
3. Assemble VeloComfort® Transition (optional)
4. Assemble VeloComfort® Input

Step 2

1. Put the main switch **ON** in the control box.
2. Deactivate the Emergency buttons.
3. Press the sensor two times.
 - a. The motor is running
 - b. Check if the belt is in the middle of the pulley at the platform transit and input.
 - c. Check if the belt is in the middle of the driven pulley's
4. Put the main switch to **OFF** in the control box.
5. Push the Emergency button
6. Mount the covers (from top to bottom)
 - a. Output cover
 - b. Motor Cover
 - c. Platform transit cover
 - d. Motor cover
 - e. Input cover
7. Deactivate the Emergency buttons.
8. Put the main switch to **ON** in the control box.
9. Press the sensor switch two times.
10. Press the emergency button while the motor is running
11. Check if the system has stopped (push minimal two times on the sensor switch to check)
12. Deactivate the Emergency buttons.
13. Press sensor switch twice
14. The conveyor system is rebooted and the motor is running.

Step 3

Reset the counters in the program. (only the counters since maintenance will be reset)

- Press the ↓ cursor till the display with the date
- Press ← and the display with 4 arrows will appear
- Press and hold the ESC and ↑ cursor till the display turns red (after 5 seconds).

