



Pre-season Checks

Carrier, TopDown, Opus, NZ Extreme



Where farming starts



Maintaining your Väderstad machine is always a good investment

Väderstad is known to farmers all over the world for innovation and high-quality products. But even high-quality products need service and support.

Väderstad Service is represented in over 40 countries, either by importers, our fully owned subsidiaries or at more than 1000 dealer locations worldwide. Since we support well over 70,000 machines worldwide, we always stay close to our customers so that we can provide quick and competent support – whenever it's needed. If you experience issues with your Väderstad machine, please turn to your local dealer where their fully qualified service engineers will be able to assist you.

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How to check your machine

Inspect for optimal performance, trouble-free operation and identify issues before they turn into costly repairs. You should always check your machine before you start the next season. For details about checkpoints and service intervals please read the Instruction manuals maintenance and service section. Always lubricate according to the lubrication chart.

Key points

- Machines need to be fully function checked to ensure they are up to the job prior to your planting season. Your dealer can offer a full check up service and simulate the radar even in your workshop. Please ask for details.
- Check the serial number on the chassis to be sure you get the correct parts from your dealer.

If you experience a break down during an intense working period, the time your machine is down causes frustration and costs money. By carrying out proactive monitoring and preventive maintenance, a great step is taken to avoid situations like this.

After each season thoroughly wash the machine and for seed drills/planters clean all parts in the seed feed systems. Check the status of wearing parts and follow the greasing and other maintenance intervals given in the instruction manual. During the season, regularly re-tighten joints and inspect for wear, excessive wear on joints may be an indication that the machine setup is not optimal.

Maintenance

Your Väderstad machine is a high-quality high-tech machine. Like all technical equipment regular maintenance and good care is the basis for a trouble-free operation, and a good investment for the future.



Clean

- Wash the machine with a high pressure washer.
- For all drills and planters clean inside the seed feed units and distributor heads with compressed air.
- Clean electrical components with compressed air or by wiping them with a slightly dampened cloth.
- Pay special attention to sections that are affected by fertiliser products.
- Never rinse the bearings with a high-pressure water supply! It is important to grease the bearings after washing in order to remove any water that has remained behind.

Lubricate

It is essential that the machine is lubricated according to the intervals specified in the lubrication chart.

Beside lubrication intervals:

- Always lubricate prior to and after winter storage.
- Always lubricate after washing with high-pressure equipment.

Inspect

- Inspect the wear parts. After a certain point of wear the parts are no longer bringing the result you expect from your Väderstad machine.
- Regularly check that screws and bolts are tightly fitted.
- Inspect for wear in the joints that connect frame sections and hydraulic cylinder mountings. Especially on machines for tillage, excessive wear on joints and hydraulic cylinder mountings may be an indication that machine setup is not optimal. Information to reset to a basic setting can be found in the machine's quick start instructions.

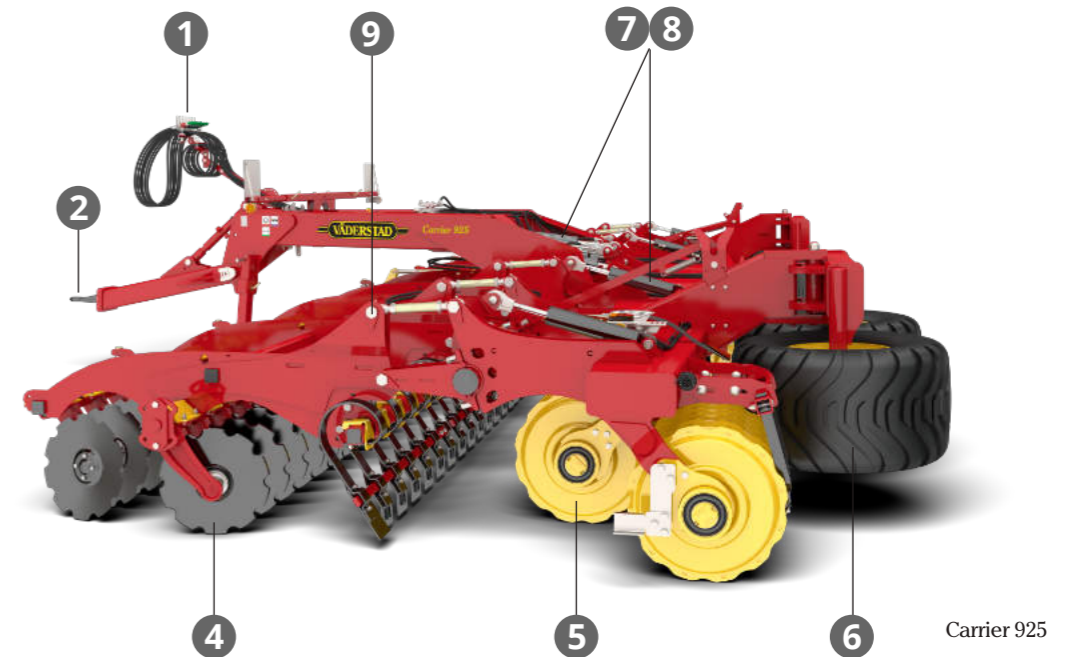
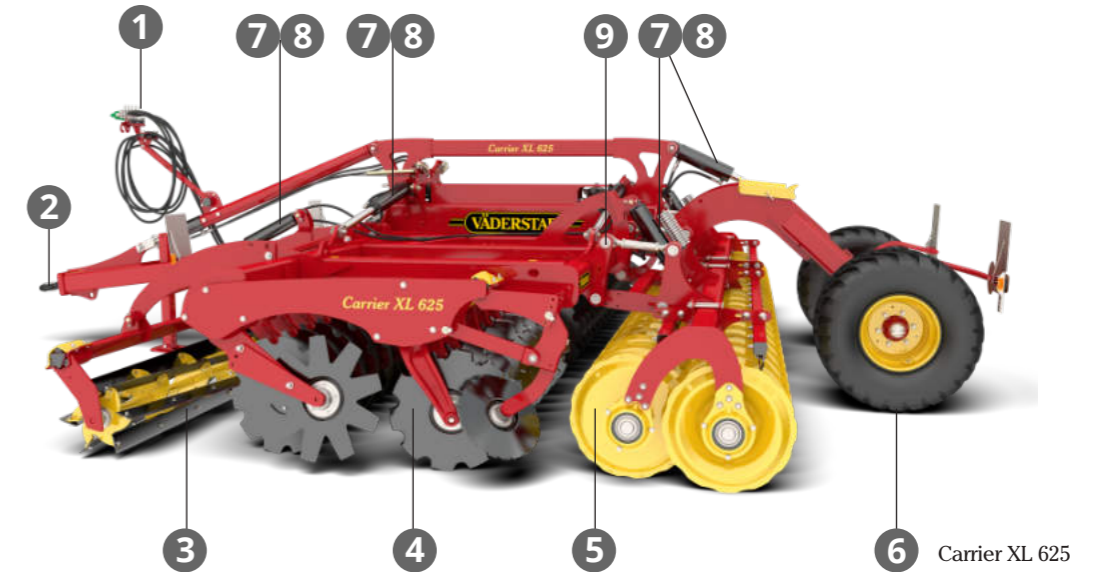


- 1 Clean the hydraulic tractor couplings**
Make sure that the couplings are clean and check colour markings. Colour marked aluminium couplings together with graphical stickers are available to retrofit onto older models.
- 2 Check wear on towing eye and re-tighten bolts**
If the hole in the towing eye is increased by 2.5mm the towing eye must be changed.
Re-tighten bolts by 277 Nm.
- 3 Order new wear parts in time**
Change Individual blades or complete rollers on the CrossCutter Knife when working result is no longer satisfactory.
- 4 Order new disc in time**
Minimum recommended measurement:
430mm on System Disc 510mm.
520mm on System Disc 610mm.
430mm on CrossCutter Disc 510mm.
- 5 Order new packer rings in time**
On SteelRunner it is recommended to change packer rings when the welded seam is worn down by more than 50%.
- 6 Re-tighten wheel bolts and check tyre pressure**
Wheel bolts = 330 Nm.
Tyre pressure 400/60-15.5 = 3.5 bar.
Tyre pressure 520/50-17 = 4.0 bar.
- 7 Check the hydraulic cylinders, hoses and couplings for leakage**
Leakage on the hydraulic system affects functionality of the machine.

- 8 Clean and check all cylinder mountings**
Check for wear in the joints that hold cylinders. Excessive wear may be an indication that machine setup is not optimal. Information to reset to a basic setting can be found in the machine's quick start instruction.
- 9 Make sure there is no play in the joints that hold the parallel transfer**
Clean and check all joints. Re-tighten joint to remove any play. Regularly check this throughout the season.

Safety!

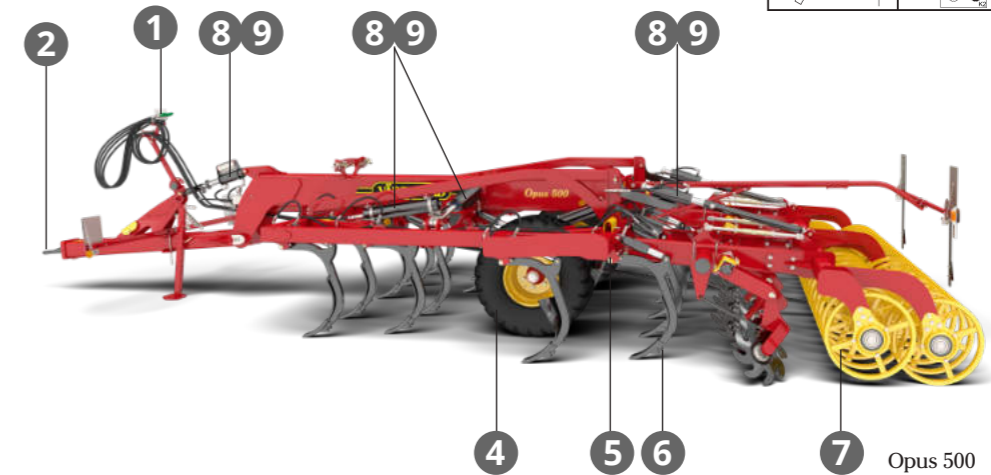
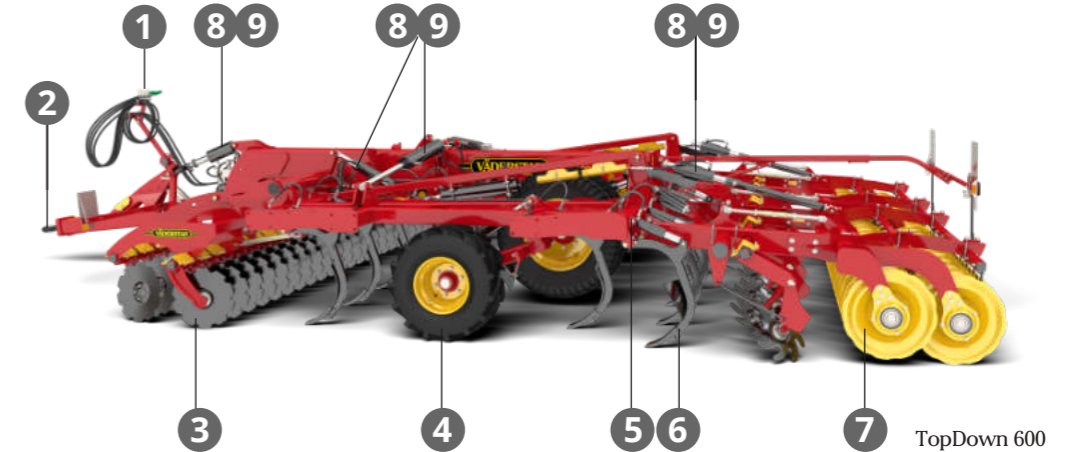
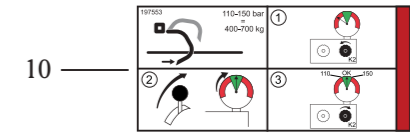
Carefully read the safety instructions in the instruction manual before any service or maintenance work is carried out. Lubricate according to schedule.



- 1 Clean the hydraulic tractor couplings**
Make sure that the couplings are clean and check colour markings. Colour marked aluminium couplings together with graphical stickers are available to retrofit onto older models.
- 2 Check wear on towing eye and re-tighten bolts**
If the hole in the towing eye is increased by 2.5mm the towing eye must be changed.
Re-tighten bolts by 277 Nm.
- 3 Order new disc in time**
Minimum recommended measurement:
380mm on System Disc 450mm.
400mm on System Disc 470mm.
- 4 Re-tighten wheel bolts and check tyre pressure**
Tyre pressure/Wheel bolts
400/55-15.5 = 4,0 bar/330 Nm.
520/50-17 = 3,6 bar/330 Nm.
560/45-22.5 = 3,6 bar/550 Nm.
620/50-22.5 = 4,0 bar/550 Nm.
- 5 Re-tighten bolts on tine mountings and check for excessive wear**
Wear on tine mountings can be an indication that tine pressure is too low. Re-tighten bolts that attach cylinder to frame with 114 Nm and make sure that sleeves protrude equally on each side of the mounting plates. Re-tighten bolts that attach tine to frame with 81 Nm.
- 6 Whether you require points and shins due to wear or to adapt to current soil conditions, always order in good time**
Väderstad offers a wide range of points and shins for all types of conditions. They have all been specially designed and optimised for our machines. To create even more efficiency most points are available in the Marathon range fitted with a hard metal tip.

- 7 Order new packer rings in time**
On SteelRunner it is recommended to change packer rings when the welded seam is worn down by more than 50%.
- 8 Check the hydraulic cylinders, hoses and couplings for leakage**
Leakage on the hydraulic system affects functionality of the machine.
- 9 Clean and check all the cylinder mountings**
Check for wear in the joints that hold the cylinders. Excessive wear may be an indication that machine setup is not optimal. Information to reset to a basic setting can be found in the machine's quick start instruction.
- 10 Check bolts on tine mountings (5) for excessive wear**
The release force of the cultivator tines can be adjusted by changing the working pressure of the hydraulic circuit. Lower pressures are used on lighter soils. This results in a lower force on the tines and points if stones are encountered. Higher pressures are used on heavy and hard soils. It is important that the cultivator tines do not release due to soil resistance but only if stones are encountered. Otherwise heavy wear can occur on joints and seals.

Safety!
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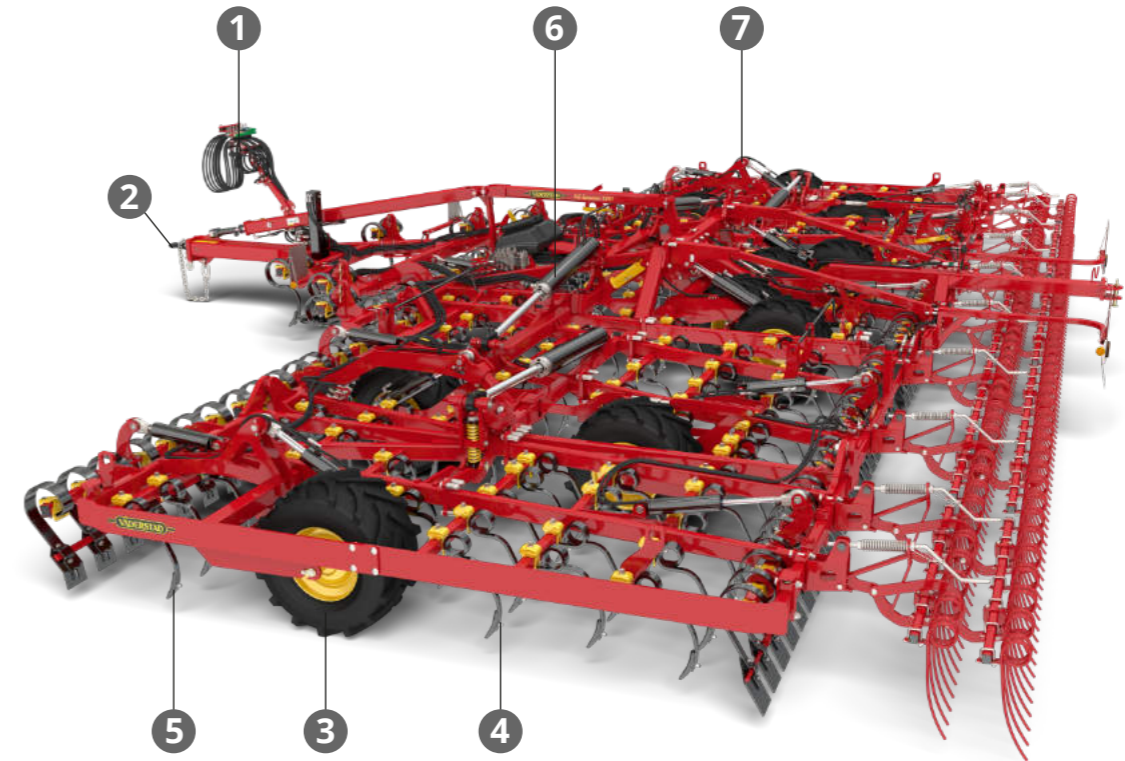
NZ Extreme

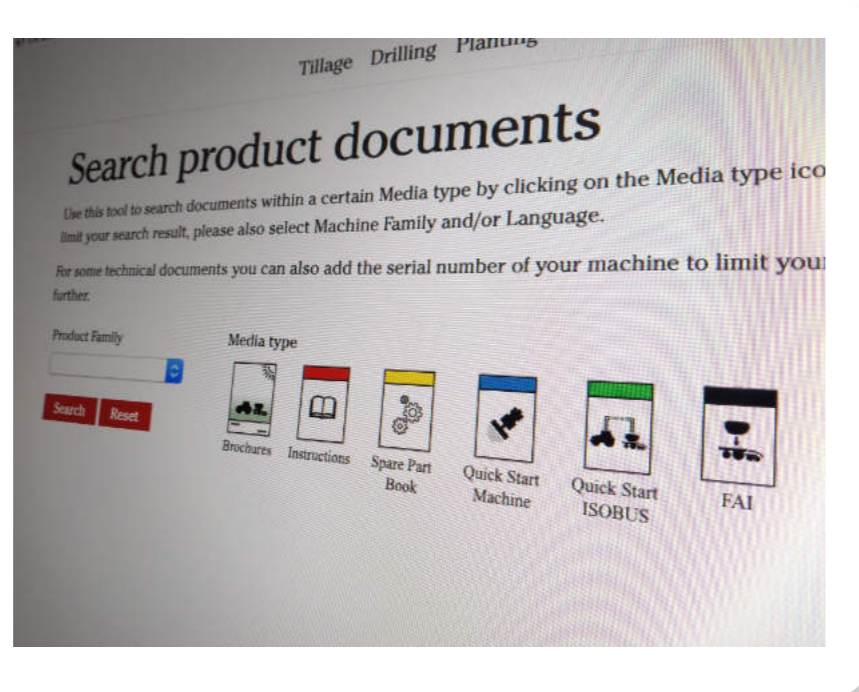
- 1 Clean the hydraulic tractor couplings**
Make sure that the couplings are clean and check colour markings. Colour marked aluminium couplings together with graphical stickers are available to retrofit onto older models.
- 2 Check wear on towing eye and re-tighten bolts**
If the hole in the towing eye is increased by 2.5mm the towing eye must be changed.
Re-tighten bolts by 277 Nm.
- 3 Re-tighten wheel bolts and check tyre pressure**
Tyre pressure/Wheel bolts
Outer wing wheels: 400/60-15.5 = 1,0 bar/330 Nm.
Inner wing wheels: 400/60-15.5 = 2,0 bar/330 Nm.
Centre section wheels: 400/60-15.5 = 4,0 bar/330 Nm.
- 4 Re-tighten bolts on tine mountings and check for excessive wear**
Wear on tine mountings can be an indication that tine pressure is too low. Re-tighten bolts that attach the tine to the frame with 320 Nm plus 90°.
- 5 Whether you require points and shins due to wear or to adapt to current soil conditions, always order in good time**
Väderstad offers a wide range of points for all types of conditions. They have all been specially designed and optimised for our machines. To create even more efficiency most points are available in the Marathon range fitted with a hard metal tip.
- 6 Check the hydraulic cylinders, hoses and couplings for leakage**
Leakage on the hydraulic system affects functionality of the machine.

- 7 Clean and check all the cylinder mountings**
Check for wear in the joints that hold the cylinders. Excessive wear may be an indication that machine setup is not optimal. Information to reset to a basic setting can be found in the machine's quick start instruction.

Safety!

Carefully read the safety instructions in the instruction manual before any service or maintenance work is carried out. Lubricate according to schedule.





Search product documents

www.vaderstad.com/uk/products/search-product-documents

Available on the Väderstad website, the document search page provides the ability for you to search for documents related to your machine. To limit your search result even further for technical documents, you can even add the serial number of your particular cultivator.





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