



Complete Tune Up Kit for Vantage Vue

USER GUIDE

DAVIS 

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Your Vantage Vue is designed to withstand years outside in all weather conditions and to require minimal routine maintenance.

However, performing a total tune up every few years or as needed will mean your system can keep working for many years.

This Complete Tune Up Kit for Vantage Vue (product number 6996) has everything you need to give your station a “spa day” and save you money and time in the long run.



(For a video that will walk you through many of these steps see: [Vantage Pro2 Maintenance Video.](#))

What's in the Tune Up Kit

- [Lithium Battery](#)
- [Debris Screen](#)
- [Rain Mechanism \(US\)](#) or [Rain Mechanism \(Metric\)](#)
- [Wind Speed Cartridge](#)
- [Allen Wrench](#)

Gather Your Tools and Supplies

- Soft clean cloth
- Clear water
- 3-C batteries for console, 4-AA batteries for [WeatherLink Live](#)
- **Optional:** Pipe cleaner, soft brush, voltmeter

Power Down Your Console or WeatherLink Live

To avoid recording erroneous data as you spin the cups and rock the rain spoon, power down your console and/or [WeatherLink Live](#) by removing from AC power and removing the batteries.

Take Your Sensor Suite Down

You may be able to maintain the sensor suite without dismounting it if it is accessible. However, it will be easier to unmount it and take it to a clean, well-lit workspace.

If your sensor suite is installed on the roof or on a high pole, safely take it down to solid ground.

Start with the Rain Collector

1. Remove the debris screen.
2. Wipe down the rain collector cone with a soft cloth and clear water. You can use a pipe cleaner to make sure the funnel hole in the rain collector is clear. Rinse with clear water.
3. Remove the rain [tipping spoon assembly](#) (on the underside of the sensor suite) by unscrewing the thumbscrew and sliding the assembly down and away. Replace it with the new assembly.
4. Insert the new debris screen.

Move to the Anemometer

1. Using your [Allen wrench](#), loosen the set screws on the [wind cups](#) and remove them. With your fingers, turn the wind cup shaft. It should turn smoothly with no grittiness. If you feel grittiness in the cups, now is the time to replace the wind cartridge. Turn the wind vane. The vane may feel a little “out of balance.” This is okay. However, if your vane feels gritty, you might want to talk to our Tech Support team.

Tip: Never use lubricant on your anemometer

2. Wipe down the [cups](#) and [vane](#) with a soft cloth and replace the cups. If the cups or vane are broken, now is the time to replace them.

Replace the Battery

1. Replace the [Lithium battery](#). (This battery should last for years but replacing it now while you have your sensor suite down and accessible will save you the trouble later. Or you can also test your old battery if you have a voltmeter and replace it if it tests less than 2.8 volts.) The battery compartment is on the underside of the sensor suite.

Check the Housing

1. Wipe down the housing and the solar panel. (Our solar panels are very efficient. Even if yours looks a little frosted, it is probably generating plenty of power.)
2. Remove the four screws holding the white plastic housing onto the base. Look inside to make sure there are no insects or nests and that all covers on internal parts are secure. Replace the cover.

Move to the Radiation Shield

1. Disassemble the plates, taking care to maintain the order they were in. This will make it much easier to reassemble. Wipe all the plates down with a soft damp cloth and reassemble the shield.

Finish Up and Remount Your Sensor Suite

Remount your sensor suite, making sure your rain collector base is level (use the built-in bubble level) and the solar panel points South (in the Northern Hemisphere).

Check the time on your console and repower the console and/or WeatherLink Live with fresh batteries. (The time on your WeatherLink Live will be automatically set to the correct time.)

Contacting Davis Technical Support

For questions about your Tune Up Kit, please contact Davis Technical Support. We'll be glad to help.

Online	www.davisinstruments.com See user manuals, product specifications, application notes, and more.
E-mail	support@davisinstruments.com
Telephone	(510) 732-7814 Monday - Friday, 7:00 a.m. - 5:30 p.m. Pacific Time

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