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› Wobeater Replacement CPU+GPU Cooling Fan User Manual

Wobeater NS85C13-17G24 0PR6WV 01209N 0M2F8R

Wobeater Replacement CPU+GPU Cooling Fan User Manual

For DELL Precision 7530 M7530 7540 M7540

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Wobeater Replacement CPU+GPU Cooling Fan. This product is designed to replace the original cooling fans in specific DELL Precision laptop models, ensuring optimal thermal management for your system's CPU and GPU components.

The package includes one CPU cooling fan and one GPU cooling fan, specifically compatible with DELL Precision 7530, M7530, 7540, and M7540 series laptops.



Image: Top view of the Wobeater Replacement CPU+GPU Cooling Fan set. This image displays both the CPU and GPU fans, showing their top casing and fan blades, along with their respective power connectors.

COMPATIBILITY

This cooling fan set is compatible with the following DELL Precision laptop models:

- DELL Precision 7530
- DELL Precision M7530
- DELL Precision 7540
- DELL Precision M7540

Compatible part numbers include: NS85C12-17G23, NS85C13-17G24, 0PR6WV, 01209N, 0M2F8R.

INSTALLATION (SETUP)

Replacing laptop cooling fans requires careful handling of internal components. If you are not comfortable performing this procedure, it is recommended to seek assistance from a qualified technician.

Required Tools (Not Included):

- Small Phillips head screwdriver
- Plastic pry tool (spudger)
- Anti-static wrist strap (recommended)
- Thermal paste (if replacing CPU/GPU heatsink assembly)

Installation Steps:

1. **Power Off and Disconnect:** Ensure your laptop is completely powered off and disconnected from the power adapter. Remove the battery if it is external.
2. **Discharge Static Electricity:** Wear an anti-static wrist strap or periodically touch a grounded metal object to discharge static electricity.
3. **Access Internal Components:** Carefully open the laptop casing. This typically involves removing screws from the bottom panel and using a plastic pry tool to gently separate the panels. Refer to your specific DELL Precision model's service manual for detailed disassembly instructions.
4. **Locate and Disconnect Old Fans:** Identify the existing CPU and GPU cooling fans. They are usually connected to the motherboard via small cables. Gently disconnect these cables from their respective ports.
5. **Remove Old Fans:** Unscrew the mounting screws holding the old fans in place. Carefully lift and remove the old fan units. Note their orientation for correct installation of the new fans.
6. **Clean Area:** Use compressed air or a soft brush to clean any dust or debris from the fan housing area and heatsink fins.
7. **Install New Fans:** Position the new Wobeater CPU and GPU cooling fans in their respective locations. Ensure they align correctly with the screw holes.
8. **Secure New Fans:** Gently screw the new fans into place. Do not overtighten the screws.
9. **Connect Fan Cables:** Carefully connect the fan cables to their corresponding ports on the motherboard. Ensure the connections are secure.
10. **Reassemble Laptop:** Carefully reassemble the laptop casing, ensuring all clips and screws are properly secured.
11. **Power On and Test:** Reconnect the battery (if removed) and power adapter. Power on the laptop and observe the fan operation. You should hear the fans spin up quietly. Monitor system temperatures using appropriate software to ensure proper cooling.



Image: Individual top views of the Wobeater GPU cooling fan (left) and CPU cooling fan (right). These images highlight the specific design and part numbers for each fan, aiding in correct identification during installation.

OPERATION

Once correctly installed, the Wobeater CPU+GPU Cooling Fans operate automatically, controlled by your laptop's system. They are designed to dissipate heat generated by the CPU and GPU, maintaining optimal operating temperatures and preventing thermal throttling or damage to components.

The fans will adjust their speed based on the thermal load, spinning faster when the system is under heavy use (e.g., gaming, video editing) and slower or off during idle periods to conserve power and reduce noise.

MAINTENANCE

Regular maintenance can extend the lifespan of your cooling fans and ensure continued optimal performance.

- **Dust Removal:** Periodically (e.g., every 6-12 months, depending on usage environment) open your laptop and use compressed air to gently blow dust out of the fan blades and heatsink fins. Hold the fan blades to prevent them from spinning rapidly during cleaning, which can damage the bearings.
- **Inspection:** Visually inspect the fan blades for any damage or obstructions. Ensure the fan cables are securely connected.
- **Avoid Obstructions:** Do not block the laptop's air vents during operation. Use your laptop on a hard, flat surface to allow for proper airflow.

TROUBLESHOOTING

If you encounter issues with your cooling fans, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Fans not spinning	Loose cable connection, fan failure, system not requiring cooling.	<ul style="list-style-type: none">• Check fan cable connections to the motherboard.• Ensure laptop is under load to trigger fan operation.• If still not spinning, the fan may be faulty and require replacement.
Unusual noise (grinding, rattling)	Dust accumulation, damaged fan blade, worn bearing.	<ul style="list-style-type: none">• Clean fans and heatsink thoroughly.• Inspect fan blades for physical damage.• If noise persists, the fan may be faulty and require replacement.
Laptop overheating despite new fans	Improper installation, blocked vents, thermal paste issue (if heatsink was removed), software issues.	<ul style="list-style-type: none">• Verify correct fan installation and cable connections.• Ensure laptop vents are clear of obstructions.• If heatsink was removed, ensure new thermal paste was applied correctly.• Check system for malware or background processes causing high CPU/GPU usage.

If troubleshooting steps do not resolve the issue, contact the seller or a qualified technician for further assistance.

SPECIFICATIONS

Feature	Detail
Product Type	CPU+GPU Cooling Fan Set
Brand	Wobeater
Compatible Models	DELL Precision 7530, M7530, 7540, M7540
Compatible Part Numbers	NS85C12-17G23, NS85C13-17G24, 0PR6WV, 01209N, 0M2F8R
Power Connector Type	4-Pin
Voltage	5 Volts (DC)
Wattage	2.5 watts
Cooling Method	Air
Noise Level	20 dB
Material	Plastic
Package Dimensions	6.69 x 3.94 x 0.67 inches
Package Weight	4.02 ounces



Image: Bottom view of the Wobeater Replacement CPU+GPU Cooling Fan set. This perspective shows the fan blades and the structural housing from underneath.

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty policy provided by the seller at the time of purchase. Warranty terms may vary depending on the retailer and region.

For technical support or assistance with installation and troubleshooting beyond the scope of this manual, please contact the seller directly through the platform where the product was purchased. Provide your order details and a clear description of the issue for prompt assistance.



