



BUHLE POWER

# Blower fan battery cabinet voltage is low





## Overview

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Why is my blower motor not working?

In a situation where the motor doesn't work at any speed, the most likely causes are a blown power supply fuse, a bad motor ground connection, a bad motor speed control module, or a failed motor. On all systems, a failed blower motor is the least likely cause. Blower motors generally don't fail out of the clear blue.

What causes a blower motor resistor to fail?

If it's good, check for debris on the evaporator or heater. Decreased airflow causes the blower motor resistor to overheat and fail. Reduced airflow also causes the blower motor to work harder, draw more current and that can cause repeat blower motor resistor failures. The blower motor is drawing too much power.

What is a blower motor resistor?

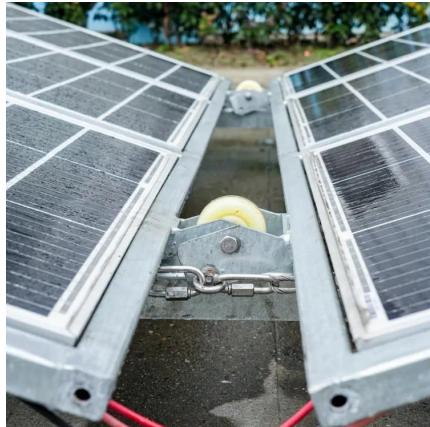
The blower motor resistor is a small electrical component that controls the speed of your HVAC system's blower fan. Think of it as a dimmer switch for your fan motor – it regulates how much electrical current reaches the blower motor, which determines how fast the fan spins.

What happens if a blower motor fails?

Faulty Blower Motor A failing blower motor that draws excessive current can overload and destroy the resistor. This is why it's important to test both components when diagnosing fan problems. Before starting your repair, gather these essential tools and materials:



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### [How to test a blower motor and resistor](#)

Jul 8, 2023 · Troubleshooting blower motor and resistor issues in your vehicle? Learn how to diagnose and fix the problem to restore airflow.

### [Low Battery when Fan Is On](#)

Oct 12, 2017 · Sounds like you have a bad ground at your alternator or battery or engine. Measuring voltage from the alternator casing to the battery positive terminal should give you ...



### [How to Identify a Faulty Leaf Blower Battery: Common Signs ...](#)

Apr 11, 2025 · A faulty leaf blower battery often shows signs like reduced runtime, slow charging, overheating, or physical swelling. Test voltage with a multimeter--if it drops below the ...

### [Can a Bad Blower Motor Resistor Drain the Battery?](#)

May 5, 2025 · How a Blower Motor Resistor Works A blower motor resistor regulates the speed of your vehicle's HVAC blower fan. It controls the amount of electrical current that reaches the ...



### electronic control module

Aug 9, 2023 · There's two wires directly going to the fan motor (power/ground) as well shown in the diagram without much detail. Is the control module supposed to send constant voltage at ...



### Blower Motor Resistor: Symptoms, Testing

Sep 5, 2025 · What Does a Blower Motor Resistor Do? Q: What does a blower motor resistor do? A: It controls the speed of the HVAC blower fan ...



### Spot Bad Blower Motor Symptoms Before Total Failure

Jan 17, 2024 · Blower Motor Controller vs. Blower Motor Resistor If your car uses a blower motor resistor, the voltage to the motor is reduced based on the selected fan speed. Lower speeds ...



## How to test a blower motor and resistor

Jul 8, 2023 · Troubleshooting blower motor and resistor issues in your vehicle? Learn how to diagnose and fix the problem to restore airflow.



## HV battery cooling fan issues

Feb 11, 2010 · DTC P0A85 means that the battery blower voltage is greater than expected. If the fan is operating and the blower relay was replaced, ...

## How to Fix a Blower Motor Resistor: ...

You should see battery voltage (typically 12V) at the power input terminal when the fan is switched on. Current Draw Testing Measure the current ...



## HV battery cooling fan issues

Feb 11, 2010 · DTC P0A85 means that the battery blower voltage is greater than expected. If the fan is operating and the blower relay was replaced, perhaps the blower motor controller ...



## [How to Fix a Blower Motor Resistor: Complete 2025 ...](#)

You should see battery voltage (typically 12V) at the power input terminal when the fan is switched on. Current Draw Testing Measure the current draw of the blower motor on different ...



## [How to Tell If a Blower Motor Resistor Is Bad](#)

2 days ago · Observable Symptoms of Failure  
The most common indication of a failing blower motor resistor is when the fan only operates on its highest speed setting. This classic symptom ...



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