PREMIUM 2-SPEED 12VDC WIPER MOTOR BASIC CONNECTIONS:

The Monster Guts Premium 2-Speed 12VDC Wiper Motor comes with easy-to-connect terminals you connect your power supply or motor controller to. If you are using a 12VDC or 5VDC power supply, you must be sure that the power supply has at least 5 AMPS to "drive" the wiper motor while still having enough torque to not "stall" the motor when running your prop.

Before you start, make sure your main power supply is NOT PLUGGED IN to a wall outlet. You do not want the power supply to have ANY POWER while you are working with the wiring connections. Please wire motor without live power!

Turn the wiper motor so that the connection terminal are upright as seen in the photo to the right. As you can see, the Monster Guts Premium 2-Speed 12VDC Wiper Motor comes with a socket that normally connects to a wiring harness of a car. Because you are going to be connecting directly to the terminals for either low or high speed, we have identified the individual terminals for you so you know what wire connects to what.

Starting from the left side of the terminal connectors: the first terminal is the "GROUND" terminal. This connection goes to the main body / housing of the wiper motor. You will be connecting one of your (+) or (-) wires from your power source to this "GROUND" terminal. This will not hurt the motor. Depending on if you connect the (+) or the (-) wire from your power source will determine if the motor will turn in a clockwise or counter-clockwise rotation.

The next terminal (second from the left) has a blue wire attached to the other end of the terminal. This is the "LOW-SPEED" connector. If you want your motor to turn slowly, you would connect your other (+) or (-) wire to this connection. If you are connecting to this "LOW-SPEED" terminal, make sure your connectors / connectors for the GROUND and LOW-SPEED terminals are not touching each other. This will result in possible damage to the wiper motor and / or your power supply.

The next terminal (the middle one) is not used for normal connections and is used for the "parking brake" feature that will be explained later in this document.

The next terminal (second from the right) also has a blue wire attached to the other end of the terminal. This is the "HIGH-SPEED" connector. If you want your motor to turn at high speed, you would connect your other (+) or (-) wire to this connection.

If using the Monster Guts Quick Connects Terminal, be aware that the terminals fit very snugly as to not come loose. Do not FORCE the connectors onto the terminals. This may result in you accidently bending the terminals or connector.

Once you have a (+) or (-) wire connected to the GROUND terminal and either the LOW or HIGH SPEED terminal, you can plug in your power supply. The motor should start turning at either LOW or HIGH SPEED. If you want the motor turning in the opposite direction than it currently is, unplug your power supply and reverse the (+) and (-) connections to the motor and plug your power supply back in. The motor should now be turning in the opposite direction.

PLEASE NOTE: With most UL Approved 12VDC and 5VDC power supplies, if you are connected to the HIGH-SPEED terminal, you might experience a momentary start and stop with the wiper motor for a couple seconds before it starts turning at a continuous full speed. This is a built in SAFETY OVERLOAD FEATURE of most UL Approved power supplies and IS NOT a defect of the motor itself. A wiper motor at HIGH-SPEED draws a lot of current when initially powered on, and the power supply’s safety feature is preventing an immediate overload.