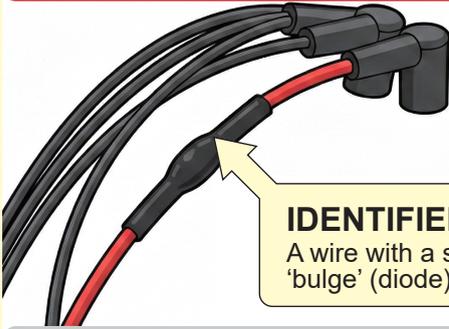


# STOP! CHECK COMPATIBILITY BEFORE CONNECTING

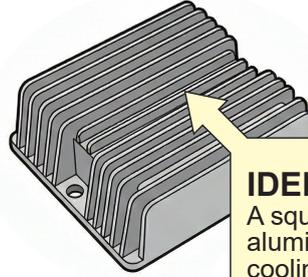
## × DANGER (UNREGULATED)



**IDENTIFIER:**  
A wire with a small 'bulge' (diode)

**STATUS:** No voltage control. Spikes to 18V+

## ✓ SAFE (REGULATED)



**IDENTIFIER:**  
A square/rectangular aluminum box with cooling fins.

**STATUS:** Controlled charging. Max 14.6V.



## WARNING

If your engine looks like the × DANGER side, DO NOT install this lithium battery. High voltage will cause permanent damage.

## MANDATORY: THE 60-SECOND 'WOT' TEST

Idle voltage is deceptive. Real electrical risks appear only at full speed.



### CONNECT

Install the battery and torque terminals to 70-90 in-lbs.



### START

Crank the engine and let it warm up for 60 seconds.



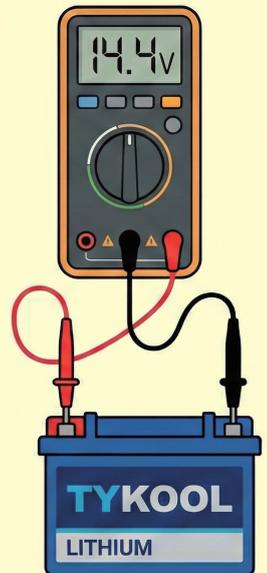
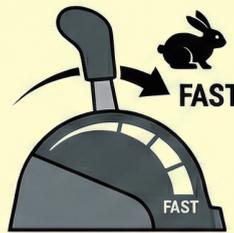
### MAX RPM

Move the throttle lever to the **MAX/FAST** (Rabbit icon 🐰) position. This is WOT (Wide Open Throttle).

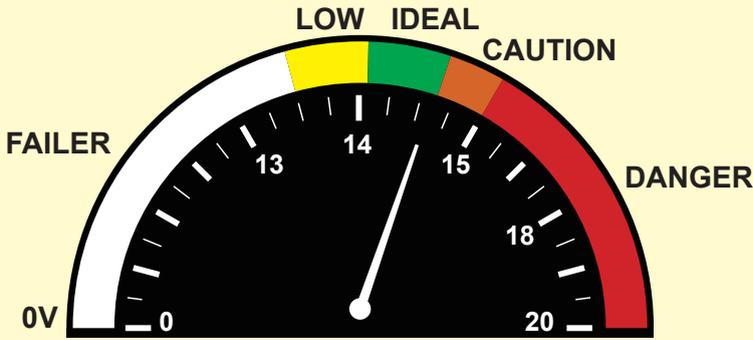


### MEASURE

Use a multimeter on battery terminals for a full 60 seconds at WOT.



# VOLTMETER (DECISION)



WOT VOLTAGE	STATUS	ACTION / SOLUTIONS
< 13.5V	FAIL (Low)	<b>NOT CHARGING.</b> Check your mower's stator or wiring.
13.6V - 14.2V	WARNING	<b>LOW CHARGING.</b> Battery may not reach 100% capacity. Recommend periodic use of an external lithium charger.
14.3V - 14.6V	PASS	<b>SYSTEM HEALTHY.</b> Optimized for 100% performance.
> 15.0V	FAIL (High)	<b>DANGER! DO NOT USE ENGINE CHARGING.</b> Choose one: 1. <b>External Charging:</b> Use a dedicated 14.5V Lithium Charger. 2. <b>Upgrade:</b> Install an External Voltage Regulator Kit.

**NOTICE: Simply turning on headlights WILL NOT fix an unregulated system.**

## CRITICAL RISK: THERMAL MELTING

Continuous exposure to **>15.0V** causes intense internal heat buildup.

### IDENTIFIABLE SIGNS OF OVER-VOLTAGE MISUSE:



### WARRANTY VOID NOTICE

Damage caused by **unregulated charging systems (>15.0V)** is easily detected during inspection. These conditions are classified as **User Negligence** and fall out of **WARRANTIES**.

**Support:** Scan QR for Video Guide or email: [aftersale@tykoolbattery.com](mailto:aftersale@tykoolbattery.com)