



## CHOPPER Troubleshooting Guide

Issue	Symptom(s)	Troubleshoot	Result(s)	Possible Solution(s)
<b>Product Does Not Run</b>  <i>*Always check to make sure charger is plugged into charger port correctly &amp; lights on charger are working properly</i>  <i>*Unit should be charged 12 hours before first initial use and up to 8 hours after each subsequent use</i>	Unit shut off while in use	Turn power off; wait a few minutes & press reset button	Lights on power switch <u>AND</u> throttle light up/Unit runs	Do not exceed the weight limit, go up a steep hill or attempting to tow objects. It is best to avoid these conditions at all times.
	Lights on throttle <u>AND</u> power switch do <u>NOT</u> light up Motor will not engage	Remove battery/motor cover to check for loose connection(s)	Loose connection(s)	Reconnect Loose Connection(s)
			<u>No</u> loose connection(s)	Replace Reset Button/Power Switch
	Motor engages, but unit will not move	Check chain & rear wheel	Chain is rotating, but rear wheel does not move	Replace Rear Wheel
	Throttle <u>AND</u> Power Switch light up. Unit worked, but will not go after charging	Secure unit; turn power on & with <u>NO</u> weight on the unit, lift back end up & apply the throttle	Rear Wheel Spins Freely	Battery or Charger
		Remove battery/motor cover & unplug brake connector from control module Secure unit; turn power on & apply throttle	Motor engages	Replace Brake Lever
		Motor does <u>NOT</u> engage	Replace Control Module & Throttle	

<b>Product Stops Without Applying Brakes</b>	Unit shut off while in use	Turn power switch off; wait a few minutes & press reset button	Lights on power switch <u>AND</u> throttle light up/Unit runs	Do not exceed the weight limit, go up a steep hill or attempting to tow objects. It is best to avoid these conditions at all times.
	Lights on throttle <u>AND</u> power switch do <u>NOT</u> light up Motor will not engage	Remove battery/motor cover to check for loose connection(s)	Loose connection(s)	Reconnect Loose Connection(s)
			<u>No</u> loose connection(s)	Replace Reset Button/Power Switch
	Lights on power switch <u>AND</u> throttle light up	Check tension; position & the condition of chain	Chain too loose	Adjust chain. (Refer to Pg 5 in Owner's Manual)
			Chain slipped off rear sprocket	Check chain for possible damage [Replace chain if necessary] (Refer to Pg 6 in Owner's Manual)
		Turn power off & manually turn gear on motor shaft with your fingers	Gear does <u>NOT</u> turn freely	Replace Motor

<b>Breaker Keeps Tripping</b>	Unit continuously shuts on & off when in use	Turn power switch off; wait a few minutes & press reset button	Lights on throttle <u>AND</u> power switch light up/Unit runs	Do not exceed the weight limit, go up a steep hill or attempting to tow objects. It is best to avoid these conditions at
		Remove battery/motor cover & check for loose connection(s) and/or wire(s)	Loose connection(s)	Reconnect Loose Connection(s)
			<u>No</u> loose connection(s) or wire(s) touching	Reset Button & Control Module



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<b>Product Has Short Ride Time or Product Runs Slow or Product Does Not Hold A Charge</b>  <b>Note: Product ride time can be reduced any where from 10-20 minutes, on a fully charged battery, depending on riders weight; various riding conditions and/or if product has been properly maintained</b>	Battery shows fully charged, but goes low after only 10-15 minutes of use	Check riders weight & riding conditions		Do not exceed the weight limit, go up a steep hill or attempting to tow objects. It is best to avoid these conditions at all times.
		Air pressure in front & rear tires	Tire pressure low	Inflate tire(s) to recommended PSI (Located on tire sidewall)
		Check chain tension	Chain too tight	(Refer to Pg 5 in Owner's Manual)
	and/or	Check brake cable	Brake lever feels stiff when squeezed/cable too tight	Squeeze brake lever firmly several times to loosen up the brake cable
		Unit runs (very) slow	Make sure charger is plugged into charger port correctly & indicator lights are working properly	Charger not plugged into charger port correctly
	Secure unit; turn power on & with <u>NO</u> weight on the unit, lift back end up & apply the throttle		Rear Wheel Spins Freely	Replace Battery
Rear wheel barely moves	Lift rear end up & manually spin rear wheel forward Should spin 3-4 times w/no resistance	Wheel does not spin freely	Replace Rear Wheel	
<b>Product Runs Intermittently</b>	Unit cuts in & out while in use	Gently wiggle the wires around the throttle for loose wires(s)	Unit will go when wire(s) are wiggled/Wire(s) loose	Replace Throttle
		Remove battery/motor cover to check for loose connection(s)	Loose connection(s)	Reconnect Loose Connection(s)
	Power skipped several times while in use, now will not start	Remove battery/motor cover & unplug brake connector from control module Secure unit; turn power on & apply throttle	Motor engages/Unit runs again	Replace Brake Lever
		Motor does <u>NOT</u> engage	Replace Throttle & Control Module	
<b>Chain Keeps Coming Off</b>		Check chain tension	Chain is too loose	Adjust chain. (Refer to Pg 5 in Owner's Manual)
		Sprocket on rear wheel is aligned properly with gear on motor shaft	Rear wheel out of alignment	Adjust rear wheel (Refer to Pg 5 in Owner's Manual)
			Gear on motor shaft is bent	Replace Motor
		Inspect chain tensioner	Chain tensioner broken	Replace Chain Tensioner



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Brakes Do Not Work Properly	Unit does not stop when brakes are applied	Remove battery/motor cover to check for loose connection(s)	Loose connection(s)	Reconnect Loose Connection(s)
		Check for loose wire(s) around the brake lever	Wire(s) loose	Replace Brake Lever
		Check brake cable for damage	Cable damaged	Replace Brake Lever
Power Switch Does Not Light Up	Lights on throttle work	Remove battery/motor cover & check for loose connection(s) going to power switch	Loose connection(s)	Reconnect Loose Connection(s)
	Power switch lights up only when charger is plugged in Light on power switch goes dim/flickers when charger is unplugged	Remove battery/motor cover to check for loose connection(s)	No loose connection(s)	Replace Power Switch
			Loose connection(s)	Reconnect Loose Connection(s)
			No loose connection(s)	Replace Battery
Product Makes 'Grinding' Noise	Unit makes grinding noise when in use	Check that brake is not rubbing against the rear wheel	Brakes are rubbing	Adjust brakes (Refer to Pg 4 in Owner's Manual)
		Inspect chain	Dirt & debris found in chain and/or chain is dry	Remove any dirt/debris from chain. Lubricate chain w/WD40®
			Chain tension too tight	Adjust chain. (Refer to Pg 5 in Owner's Manual)
	Unit runs, but rear wheel barely moves	Lift rear end up & manually spin rear wheel forward Should spin 3-4 times w/no resistance	Wheel does not spin freely	Replace Rear Wheel
		Turn power off & manually turn gear on motor shaft with your fingers	Gear on motor shaft is tight Does not turn easily	Replace Motor
	Chain does not rotate freely	Turn power switch off; remove chain from rear wheel; turn power on & apply throttle	Still makes grinding noise	Replace Motor
			No grinding noise	Replace Rear Wheel



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Product Makes 'Clicking' Sound	Rear wheel barely moves	Lift rear end up & manually spin rear wheel forward Should spin 3-4 times w/no resistance	Wheel does not spin freely	Replace Rear Wheel
	Battery shows fully charged Throttle & power switch light up Unit does not move	Remove battery/motor cover to check for loose connection(s)	Loose connection(s)	Reconnect Loose Connection(s)
		Secure unit; turn power on & with <b>NO</b> weight on the unit, lift back end up & apply the throttle	Rear Wheel Spins Freely	Battery or Charger
		Remove battery/motor cover & unplug brake connector from Control Module. Secure unit; turn power on & apply throttle	Motor engages/Rear wheel spins	Replace Brake Lever
			Motor does <b>NOT</b> engage	Replace Throttle & Control Module

Throttle Sticks	Symptom(s)	Troubleshoot	Result(s)	Possible Solution(s)
<b>Reminder: Applying the brakes will cut power to the motor and stop product</b>	Throttle does not spring back when released	Check if handlebar grip is pressing up against throttle	Grip is pressed up against the throttle	Slide throttle away from grip
			Grip is <b>NOT</b> pressed against throttle	Replace throttle

Rear Wheel Locked Up While In Use	Symptom(s)	Troubleshoot	Result(s)	Possible Solution(s)
Rear Wheel Locked Up While In Use	Lights on throttle <b>AND</b> power switch light up	Check chain for foreign object(s) and/or debris	Foreign object(s) found in chain	Remove chain guard to clean anything caught in chain Check chain; rear sprocket & chain tensioner for any damage [Replace part(s) if necessary]
		Inspect spring inside brake plate on rear wheel	Brake spring is broken	Replace Rear Wheel
		Check tension; position & the condition of chain	Chain too loose	Adjust chain. (Refer to Pg 6 in Owner's Manual)
			Chain slipped off rear sprocket	Check chain for possible damage [Replace chain if necessary] (Refer to Pg 5 in Owner's Manual)
			Chain is jammed in chain tensioner	Remove chain from chain tensioner; check chain & chain tensioner for possible damage. [Replace part(s) if necessary]; place chain back on rear sprocket