

# Service Reference Guide QUICK TECH TIPS

**COMMERCIAL GRADE. ALL DAY POWER.** 

# **Table of Contents**

Start Up 3
Drive Controls
Blade Controls
Display Screen Guide
Common Source Codes7
Charging Procedures8
Features9
Battery Testing Procedures10
Battery Cell Information Sheet12
Source Codes
Contact Us Info

# **WARNING!**

All service departments will be required to test every battery ANY TIME a Mean Green machine is brought in for service.

These requirements are being implemented for preventative maintenance. Regular battery testing ensures the longevity of the battery and maintains customer satisfaction.

# **ATTENTION!**

Batteries must be at least 50% to fully charged while on the showroom floor and in storage. Failure to properly maintain battery charge while in storage will reduce battery life and will VOID battery warranty. This includes all SHOWROOM models and DEMO units at your facility. Mean Green recommends checking battery State of Charge (SOC) every month in season and every three (3) months during long-term storage.

# How to Start a Mean Green Mower

All Mean Green mowers share a universal startup procedure. Following these steps will help you successfully startup every machine you are working with. If additional in-depth information is required, please refer to the manual for the specific machine you are working on.

- Step 1: Ensure that the battery on/off switch is in the on position allowing power to the entire machine. (fig. 1A)
- Step 2: Sit or stand on the unit to activate the Operator Presence Safety Switch.
- **Step 3:** Insert the key fob and press the power button. You should hear a clicking sound as the motor fans power up letting you know the machine is ready. Note: this is different in the FURY model. (fig. 1B)
- **Step 4:** Once the machine is powered on, the display screen will turn on and ask for a passcode. On first startup, enter the factory passcode, 1234, to proceed. (To change the passcode, please refer to page 6.)
- **Step 5:** Finally, double check that the machine is fully powered by checking that the lap bar and seat notifications located at the bottom of the screen (fig. 1C). (For more information, please refer to page 6.)

Now that we know how to turn the machine on, let us discuss ways to disengage the machine:

- Press the **On/Off** switch.
- During use, open the lap bars to disengage the drive and blade motors.
- Remove your body weight from the seat or footplate to shut down the machine's drivability and disengage the blades.

## **PROBLEMS YOU MAY SEE:**

	ISSUE:	The display screen indicates "no power" whe lapbar icons are missing from the screen. (fig
	CAUSE:	The battery on/off switch is in the off positio power button is pressed, power will not be av system.
	SOLUTION:	Switch the battery on/off switch into the on p press the power button again. (fig. 1A)



en the seat and ig. 1D)

on when the vailable to the

position and



fig, 1A - Mower on/off switch shown in the "off" position.



fig. 1B – Power button detail.



fig. 1C – Seat notification icon shown on machine touch screen.

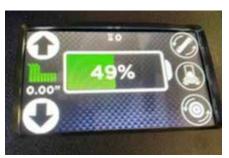


fig. 1D – No seat or lapbar icons shown on machine touch screen.

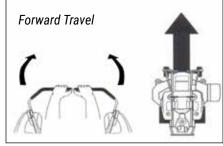


fig. 2A - Push both lap bars away from your body at the same time with even pressure to move the mower forward.

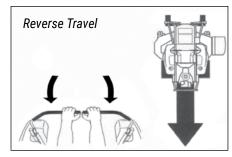


fig. 2B – Pull both lap bars toward your body with even pressure to move backwards.

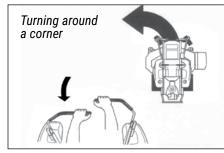


fig. 2C – Turn the mower by pulling the lap bar on the side you wish to turn toward your body.

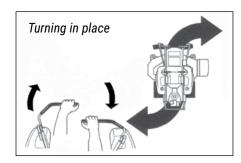


fig. 2D – Fully rotate the machine in place by pulling one lap bar towards your body while simultaneously pushing the other away from your body. The machine will rotate in the direction of the lap bar that is pulled back.

# **Drive Controls**

- Push both lap bars forward evenly to move forward. (fig. 2A)
- Pull back on both lap bars evenly to move in reverse. (fig. 2B)
- Move the lap bars independently or in opposite directions to turn (fig. 2C & fig. 2D)

## **PROBLEMS YOU MAY SEE:**

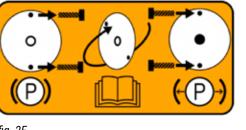
ISSUE:	Error code SV02801 is	s disnla	ved on screen
1330L.		s uispia	yeu on screen.

CAUSE:	Seat/Lap Bar fault.
--------	---------------------

SOLUTION: You must be seated in the seat prior to pulling the lapbar over your body and attempting to drive. Ensure that the handbrake has been disengaged by ensuring that the plates sitting over the manual brakes are inverted. (fig. 2E and fig. 2F)



fig. 2E



# **Blade Controls**

The blades on all Mean Green mowers engage from the PTO switch located on the right-hand side of the machine. Pull up on the switch to engage the blades. (fig. 3A)

Lighted indicators located at the front of the mower allow you to monitor the performance of the blade motors.

Front Deck Motor indicator lights illuminate green, yellow, or red depending on the speed of each motor when cutting grass. Each indicator light will change color as the blade motor slows due to the thickness of grass being cut or if there is another issue affecting blade speed. Here is what each indicator light color means:

- **Green** Motors are operating at optimal speed. No change in machine speed required. (fig. 3B)
- Yellow Motors are beginning to slow down and blade speed is being compromised. Slow down the machine to allow the motors to process through the material being cut and regain optimal blade speed. (fig. 3C)
- Red Motors are under significant strain and blade speed is sub optimal. A reduction of machine speed is required to allow the blade motors to process through material properly. If the indicator light remains red for more than 10 seconds, stop the blades immediately and refer to your machine's manual. (fig. 3D)

Blade speed can also be manually controlled from the display screen if needed. (fig 3E)

## **PROBLEMS YOU MAY SEE:**

ISSUE:	Error Code SV03003 is displayed on screen
CAUSE:	Forward switch activated before safety disen bars were not moved to the operating positio was engaged not allowing the system to run
SOLUTION:	Push lap bars OUT to reset, power cycle the u attempt.



ngage. The lap on before PTO properly.

unit and re-



fig. 3A - PTO switch located on the machine console.



fig. 3B - Front Deck Motor Indicator Lights displaying green under normal operating conditions.

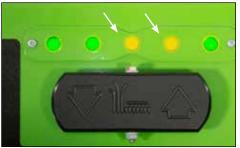


fig. 3C – Front Deck Motor Indicator Lights displaying yellow for blade 3 and 4 indicating tougher mowing conditions for those blades.

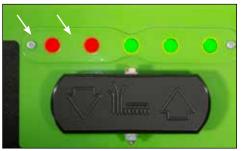


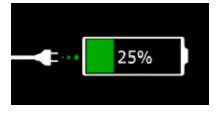
fig. 3D – Front Deck Motor Indicator Lights displaying red for blades 1 and 2 indicating that the blades are under significant strain or possible damage.



fig. 3E - Blade Speed icon on the operator touch screen

# **Display Screen Guide**

## **OVERVIEW OF YOUR MEAN GREEN'S DISPLAY SCREEN**



**Battery Charge Symbol** Indicates that the battery is actively charging.

#### **Hour Meter Symbol**

Indicates how many hours of operation are currently on the unit.



**Battery Screen** Displays the battery's current amperage, charge level, and current voltage



## **Brightness Slider Symbol**

Allows operator to change the brightness of the display screen.

## **Battery Symbol**

Displays the current available percentage of battery charge.

## **Blade Speed**

Low (Grey) / High (Green) Indicates the speed of the blades during operation.



#### **Drive Speed**

Low (Grey) / High (Green) Indicates current drive speed of machine.



## **Fault Notifications**

Displays active error codes. (See page 4 for more information.)

# **Common Source Codes**

#### **HOW TO READ SOURCE CODES**

- operational. If the machine is still operational, please contact service for BMS update procedures.
- number will help locate the problem. Codes by Machine: FURY: 1-4, RIVAL/VANQUISH: 1-5, EVO: 1-7

#### **COMMON CODES**

SV02801	CAUSE: Seat/Lapbar fault.	SOLUTION: Operator must be seated or standing on plate prior to moving the Lapbar forward or reverse.
SV01201	CAUSE: Voltcap is less than Voltkey.	SOLUTION: Check that the battery connections are properly seated.
SV01303	CAUSE: High controller heatsink temperature has reduced power to motor.	SOLUTION: Allow controller to cool down
SV01406	CAUSE: High measured motor temperature has reduced power to motor.	SOLUTION: Allow the motor to cool down.
SV03001	CAUSE: Forward switch activated before safety disengaged.	SOLUTION: Engaged lap bar drive or blades.
SV02204	CAUSE: A fault ride through event has been encountered.	SOLUTION: Operation is allowed to continue although the system may be de-rated.
SV03101	CAUSE: Lap Bar/PTO Engaged sequence Fault on #1-#2 for throttle value	SOLUTION: Operator must be seated or standing on plate prior to moving the Lapbar forward or reverse.
SV08105	CAUSE: Encoder input wire-off is detected.	SOLUTION: Verify encoder wires are not loose/damaged at the motor mounting location and inside the connector. Verify encoder wires are also tight at the controller connection points.
SV08303	<i>CAUSE</i> : Motor controller unable to maintain control of motor currents.	SOLUTION: The motor is unable to continue spinning at the controllers requested speed due impact or damage to the blade motor. Verify no debris blocking blade from continuing and wrife blade spins feally by band. If both are confirmed clear

See Page 13 for the full list of source codes.



## **Deck Height**

Allows operator to adjust the deck/cut height.

#### **Operator Presence**

Seat occupied / Seat unoccupied Indicates the presence of the operator.



#### **Admin Settings**

Allows machine administrator to lock cut height, lock speed parameters, display unit measurements, and reset machine passcode.



• (BM00101) If you receive a code starting with "BM", it indicates an error has occurred with the Battery Management System (BMS). Check that the battery is properly connected and charged. If a BM code is present, the machine will not power up or be

• (SV00101) If you receive a code starting with SV, a fault or error has occurred in the Sevcon DTC System (motors, electrical, and control boxes). An SV error can be caused when the mower blades stop or get stuck, operator error, low battery, or the control box or motor is not receiving the correct input). Reference the DTC Sheet for a complete list of codes and how to trouble shoot.

• The last number in the code references the controller that initially triggered the error. Based on your model of machine, this

 Some codes or the activation of multiple codes at once will require you to call and speak with a Mean Green technician. Before calling, press the error code tab on the display screen and have the codes shown ready so a technician can assist you properly.

> from spinning and verify blade spins freely by hand. If both are confirmed clear, replace blade motor.

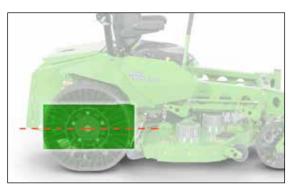
# How to Charge the Mower

Features



## **Patented Battery Position**

Creates a low center of gravity to ensure safe operation on slopes.



**Step 1:** Make sure the battery on/off switch is set to the on position.

- Step 2: Make sure the red charger connector is plugged into the machine's charge port and the display is ON.
  - *Note:* Charge ports are primarially located on the front and back of the unit for easy access (exact locations may vary by model).
- **Step 3:** Plug the charger power chord into a wall outlet (240V/20 amp plug, or 120V/20amp plug depending on charger). The Charger Fan will kick on and Charging Indicator Light will illuminate red to indicate that the machine is actively charging.
  - *Note:* If the charging indicator goes straight to green or starts flashing, refer to your machine's user manual.
- **Step 4:** Once the charge is complete the Charger Fan will turn off and the Charging Indicator Light will turn green.

#### **PROBLEMS YOU MAY SEE:**

ISSUE:	"Charger Power Not Detected" is displayed on the screen after the charger is plugged into the machine's charge port. This is an automated message that displays for 5 seconds after initial engagement.	
CAUSE:		
SOLUTION: Wait 5 seconds for the machine to register the inflow of electrical current entering the battery. Once the message will automatically clear. In the event that the message does NOT clear after 5 seconds, verify the connection between your power source, the charger, and the machine. See charger owner's additional information.		
ISSUE:	The display screen will not activate.	
CAUSE:	Your machine has sat idle for a prolonged period of time (4-6 months) without use or being connected to a power source.	
SOLUTION:	Use a multimeter with your machine to take readings of the machine's battery level. If the battery shows a low power level or no power is detected, contact a Mean Green technician.	

Questions? Contact Mean Green at 513-738-4736 for further assistance.

## **Console Features**

USB charging port
Phone holder
Cup holder

## Deck Lift Pedal, Lever, or Display Screen

Moves the deck up or down by ¼" increments to the operators preferred cut height.



# Front Deck Motor Indicator Lights

Lights display green, yellow, or red based on the speed of each blade motor when cutting grass. Refer to page 5



# **Battery Testing Procedures**

This test should be performed by an Authorized Mean Green Products Dealer/ Service Center.

Mean Green will send the first tester free to each dealer in our network.

If you have not received a tester, contact Service@MeanGreenProducts.com to obtain (1) FREE handheld tester per location.

\*Additional Testers will need to be purchased separately.

#### PART NUMBER: MGUPN401

- **Step 1:** To start, connect the test connector to the handheld tester on top of the unit. (fig. 1A)
- Step 2: Locate the test port on the battery. It may be under a black rubber cap, or under a green rectangular metal plate that has four Phillips head screws. (fig. 1B)
- Step 3: Connect the test connector to the port on the battery. The battery does not have to be turned on to use the tester. (fig. 1C)
- Step 4: On the main page, you will see 3 lines of values Record these values on the last page.
  - a. Line 1 Total Pack Voltage
  - **b. VH** Highest Voltage Cell
  - c. VL Lowest Voltage Cell #
  - d. ΔV Delta Cell Difference, and AV Average Cell Voltage
- **Step 5:** To access the second page to view the individual cell values, tap the DATA tab. Record each of the cell values on the last page. (fig. 1E)
- **Step 6:** Proceed to the next page using the UP and DOWN arrows. Record the next 6 values on the last page. (fig. 1F)
- **Step 7:** Proceed to the next page to record the 13-cell value on the last page. (fig. 1G)



fig. 1E - Individual cell values.



fig. 1F - Next page of cell values.



fig, 1A – Handheld tester in case.



fiq. 1B – Battery test port.



fig. 1C – Handheld tester connected to the port on the battery.



fig. 1D – Main page values.



fig. 1G - Last page of cell values.

# **Battery Results/Information**

After collecting all the information above on the last page, we can determine if the battery is healthy or needs inspecting. If you would like assistance, please send the cell information you collected to the emails listed below and a Mean Green Representative will be happy to assist!

Below are some suggestions to determine a battery's health. These are strictly suggestions to go by, each case will be different by use and age. The overall pack voltage will be like below values.

NOTE: The SOC (State of Charge) is a calibration value that readjust after every cycle and chare cycle. The SOC may be different on new batteries or previously updated batteries. When testing, using the Voltage reading(s) is preferred.

See Page 13 for Battery Cell Information Sheet.

#### **NEW (LESS THAN 6 MONTHS)**

#### Battery should show results similar:

- Cell Delta Difference of LESS than .030V at 30% or HIGHER State of Change
- Overall Pack Voltage at HIGH State of Charge is GREATER THAN +52V (at FULL Charge)

#### **6-12 MONTHS**

#### Battery should show results similar: (Based on a non-cycled or has not seen a charge cycle)

- Cell Delta Difference of LESS than .080V at ~30%-50% or HIGHER State of Change
- Overall Pack Voltage at HIGH State of Charge is GREATER THAN +50V (at FULL Charge)

#### +12 MONTHS

**Battery should show results similar:** (Based on a used or non-cycled battery) Cell Delta Difference of LESS than .100V at Mid-High State of Change Overall Pack Voltage at HIGH State of Charge is GREATER THAN +50V (at FULL Charge) \*Any battery outside ranges above should be recorded and contact service department for further analysis!



# **Battery Cell Information Sheet**



Email:		
Phone:		
		Date:
Please note whether this is Residence needing liftgate service	_	/unloading dock

Battery Serial #

Mower Serial #:	Number of Hours:	ВМОТО
Date of Purchase:	Dealer Name/Location:	BM011

## **Cell Voltage Readings**

Name:

СІ	
C2	
С3	
C4	
C5	
C6	
C7	
C8	
С9	
C10	
CII	
C12	
C13	

(EX. BPN13S444GA223, 48V444CLLM2210S071)

Total Pack Voltage	
VH – Highest Voltage	
VL – Lowest Cell Voltage	
$\Delta V$ – Delta Cell Difference	
Average Cell Voltage	

Notes:

If needed, print this page to gather relevant information, then scan/ photograph, or fill in, and Email back to:

Service@MeanGreenProducts.com

# **Source Codes**

BM00101	Temperature difference between cells is beyond normal range	Stop operation of mower and allow battery to cool down
BM00201	Cell voltage difference between cells is beyond normal range	Contact maintenance for cell balancing
BM00301	Temperature has risen at a rapid rate, stop operation and check battery	Stop operation of mower and allow battery to cool down
BM00401	Communication line from BMS to Display has been interrupted, check for problems	Contact maintenance to check for problems
BM00501	Short circuit protection has been broken, service immediately	Contact maintenance to check for problems
BM00601	Battery total voltage is too low, contact maintenance	Contact maintenance for cell balancing
BM00701	Charger is supplying an overcurrent to the battery. Disconnect charger from mower.	Disconnect charger. Contact maintenance to repair charger
BM00801	Battery temperature has decreased below normal levels	Stop operation of mower and allow battery to warm up
BM00901	Battery temperature is too high, stop operation of mower and allow battery to cool down	Stop operation of mower and allow battery to cool down
BM01001	Battery discharge rate too high, discontinue use of mower	Slow down to reduce discharge rate
BM01101	Battery cell has overcharged, discontinue use of mower and allow cell to cool down.	Reduce use of mower and allow cell to cool down
BM01201	Battery total voltage is too high, contact maintenance	Contact maintenance for cell balancing
BM01301	Battery cell has over discharged, contact maintenance and replace battery.	Contact maintenance and repair or replace battery cell
BM01401	Battery capacity low, charging is recommended	Charging is recommended
BM01501	Caution, insulation in battery is low	Contact maintenance for cell balancing
BM01601	Caution, insulation in battery is critically low	Contact maintenance for cell balancing
SV00101	"Handbrake is active when direction selected."	"Release the handbrake."
SV00201	"Low Battery Voltage"	"Recharge battery or check battery connections."
SV00301	"Low Battery Voltage"	"Recharge battery or check battery connections."
SV00401	"Low Battery Voltage"	"Recharge battery or check battery connections."
SV00501	"High Battery Voltage"	"Check battery connections."
SV00601	"High Battery Voltage"	"Check battery connections."
SV00701	"Low Battery Voltage"	"Recharge battery or check battery connections."
SV00801	"High Battery Voltage"	"Check battery connections."
SV00901	"High Battery Voltage"	"Check battery connections."
SV01001	"Low Battery Voltage"	"Recharge battery or check battery connections."
SV01101	"High Battery Voltage"	"Check battery connections."
SV01301	"High controller heatsink temperature has reduced power to motor"	"Allow controller to cool down."
SV01401	"High measured motor temperature has reduced power to motor "	"Allow motor to cool down."
SV01501	"Low measured motor temperature has been reached"	"Check motor thermistor connection."
SV01601	"An open/short circuit has been detected in the motor thermistor wiring"	"Check motor thermistor connection."
SV01701	"Controller is in pre-operational state, contact maintenance"	"Contact Maintenance for reprogramming"
SV01801	"Controller has not received all configured object messages at power up"	"Check CAN bus wiring, Verify controller is in Operational State"
SV01901	"One or more configured object messages not received within 3sec. at start up when requested"	"Check CAN bus wiring, Verify controller is in Operational State"
SV02001	"Encoder is not aligned properly, verify motor sensor functionality"	"Check motor encoder wiring, verify motor sensor"



SV02101	"Encoder Min/Max Values are exceeding limits"	"Check motor encoder wiring."
SV02201	"A fault ride through event has been encountered, operation is allowed to continue although the system may be de-rated."	"A fault ride through event has occurred. This has been caused by a limit being reached. Verify motor condition"
SV02501	"CAN bus off detected "	"Check CAN bus wiring. Verify Controller wiring"
SV02801	"Seat/Lap Bar Fault. "	"Operator must be seated with lap bars pushed out in locked neutral postion to enable drives."
SV02901	"Both the forward and reverse switches have been activated simultaneously"	"Engage lap bar before engaging drive or blades."
SV03001	"Forward switch activated before safety disengaged"	"Engage lap bar before engaging drive or blades."
SV03101	"Lap Bar/PTO Engaged. "/ Sequence Fault on #1-#2 for throttle value	"Return lap bar to neutral and confirm PTO switch is disengaged."
SV03301	"PTO Engaged on start up. "	"Reset PTO switch to engage blades."
SV03401	"Wire-off detected in electro brake circuit"	"Check electro brake and related wiring."
SV03601	"Controller has entered thermal/voltage cutback region"	"Allow system to cool down."
SV03701	"Thermal/Voltage cutback factors have reduced power below user defined levels."	"Allow system to cool down."
SV03801	"One or more configured object messages not received within 3sec. at start up when requested"	"Check CAN bus wiring, Verify controller is in Operational State"
SV03901	"CAN bus off fault condition detected on multi-node system."	"Check CAN bus wiring"
SV04001	"Motor thermal cutback has less than 1% remaining before MAX limit reached"	"Allow motor to cool down.Verify Cooling system is clean"
SV04101	"Motor terminal is open circuit or disconnected from controller"	"Check motor wiring and controller connections."
SV04301	"Unable to transmit EMCY message"	"Internal failure - inspect controller. Contact dealer for assistance. "
SV06501	"Motor rotation detected as wrong direction. "	"Internal failure - Contact dealer for assistance."
SV06801	"EMCY message received from non-Sevcon node and anonymous EMCY level."	"Internal failure, inspect wiring and system - Contact dealer for assistance."
SV07201	"At least one configuration object is out of range"	"Controller reprogram required, contact dealer for assistance ."
SV07301	"At least one configuration object is out of dynamic range. "	"Controller reprogram required, contact dealer for assistance ."
SV07401	"Line contactor did not close when coil is energized."	"Check contactor and wiring. Contact dealer for assistance"
SV07501	"Line contactor closed when coil is deenergized."	"Check contactor and wiring. Contact dealer for assistance"
SV07601	"Fault with contactor drive"	"Check contactor and wiring. Contact dealer for assistance"
SV07701	"Contactor driver over current"	"Internal failure - controller inspection required.Contact dealer for assistance"
SV07801	"Internal hardware failsafe circuitry not working"	"Internal failure - controller inspection required.Contact dealer for assistance"
SV07901	"Contactor driver not working"	"Internal failure - controller inspection required.Contact dealer for assistance"
SV08001	"Controller heat sink has reached critical high temperature, and has shut down."	"Allow controller to cool down."
SV08101	"Encoder input wire-off is detected."	"Check encoder wiring"
SV08201	"Motor current exceeded controller rated maximum"	"Check encoder wiring, verify system is clear of debris/restrictions"
SV08301	"Motor controller unable to maintain control of motor currents"	"Check encoder wiring, Verify motor is clear of debris/restrictions"
SV08401	"Motor control tripped due to motor overspeed"	"Verify blade is present and not damaged."

SV08501	"Encoder is not aligned properly."
SV08601	"CAN bus fault condition detected on multi-node system."
SV08701	"CAN open slave has not transmitted boot up message at power up"
SV09601	"Controller Heartbeat not received within configured time "
SV09801	"Motor slave in wrong state - sequence fault, recycle pow
SV10601	Calibration settings in controller are out of range"
SV10701	"Voltage on B+ terminal exceeds rated maximum for controller"
SV10801	"Motor current exceeded controller rated maximum"
SV10901	"Controller Shutdown due to powerloss command / MOSF detection on M1 top devices"
SV11001	"Controller Shutdown due to powerloss command / MOSF detection on M1 bottom devices"
SV11101	"Controller Shutdown due to powerloss command / MOSF detection on M2 top devices"
SV11201	"Controller Shutdown due to powerloss command / MOSF detection on M2 bottom devices"
SV11301	"Controller Shutdown due to powerloss command / MOSF detection on M3 top devices"
SV11401	"Controller Shutdown due to powerloss command / MOSF detection on M3 bottom devices"
SV11501	"Unable to complete MOSFET tests at power up"



	"Check encoder wiring. Verify motor sensor is functioning properly. Contact dealer for assitance" $% \mathcal{C}^{(n)}$
n	"Check CAN bus wiring. Internal controller error. Contact dealer for assistance. "
t	"Check CAN bus wiring. Internal controller error. Contact dealer for assistance. "
out	"Recycle Power and Check CAN bus wiring. Contact dealer for assistance. "
ver "	" CANbus sequence fault - Operator must be seated before engaging drive or blades."
	"Internal fault - contact dealer for assistance."
	"Check battery condition and wiring."
	"Check motor condition and wiring."
FET	"Check motor wiring / Check motor sensor health. If OK, replace controller."
FET	"Check motor wiring / Check motor sensor health. If OK, replace controller."
FET	"Check motor wiring / Check motor sensor health. If OK, replace controller."
FET	"Check motor wiring / Check motor sensor health. If OK, replace controller."
FET	"Check motor wiring / Check motor sensor health. If OK, replace controller."
FET	"Check motor wiring / Check motor sensor health. If OK, replace controller."

"Check motor wiring / Check motor sensor health. If OK, replace controller."

# **Contact Us**

## EMAIL

## Service@MeanGreenProducts.com

Notifies the Mean Green Service Team for immediate assistance with user questions and concerns. Email is the preferred method of contact, especially during periods of high call volumes.

## **PHONE NUMBER**

#### 513-738-4736

For use when an Urgent Response is required. In event that all agents are busy, please leave a detailed voice message including your name and contact number, model of machine experiencing the issue, and any error code displayed or other relevant details. An agent will return you call as soon as possible.

## PARTS DEPARTMENT

## Parts@MeanGreenProducts.com

Email us directly for parts inquiries. For fast service, please include a PO#, Account#, and shipping address.

## WARRANTY DEPARTMENT

#### Warranty@MeanGreenProducts.com

Contact the Warranty Department directly with questions about your Mean Green warranty or to process a claim.

## **DEALER PORTAL**

#### MeanGreenProducts.com/Dealer-Portal

Visit the dealer portal to access a complete library of service documents, model schematics, and "How-To" information.



4404 Hamilton Cleves Rd. Ste. 2 Hamilton, OH 45013 513-738-GREN (4736)

Copyright © 2025