



TMC AGS10 QC  
&  
Troubleshooting

UNIT NUMBER:

Plant:

Model/Floor Plan:

## AGSio System Testing Check List

### 1. App Log in Test

The passcode is written on the QSG paper.

FIND PASSCODE ON QSG?	YES / NO
AGS APP Log IN	YES / NO
Voltage Reading	YES / NO
Temperature Reading	YES / NO

\*If there are multiple AGS vehicles on the production line, when connecting for APP testing, it is possible to connect to modules on other vehicles besides the test vehicle. If this happens, close the app and then reopen, and 'Refresh' the app multiple times while the app is searching for the module.

\* Make sure the generator is set to run in the production line before generator running test.

### 2. Manual Start / Stop

When AGS Disabled, Manual Start / Stop with APP
YES / NO
When AGS Enabled, Manual Start -> Manual Stop then Check AGS automatically Disabled
YES / NO

### 3. AGS Switch

Push the AGS enable/disable button to check the switch is working. AGS ENABLE -> Red Light On / AGS DISABLE → Light off
YES / NO
check if the AGS switch and app are synchronized when the AGS status changes between Enable/Disable
YES / NO

#### 4. Door Lock / Unlock by using AGS APP (If Applicable)

Door Lock	YES / NO
Door Unlock	YES / NO

#### 5. Key Fob Test (If Applicable)

Door Lock	YES / NO
Door Unlock	YES / NO
Long Press 1 – Gen Start	YES / NO
Long Press 2 - Gen Stop	YES / NO

#### 6. Ignition

Manual Gen start or Gen start from auto generator start condition -> IGN ON  
-> Check AGS status is changed to manual mode

YES / NO

## Troubleshooting

### 1. Module is not functioning. (No Response)

If AGS module is not connected to the power, AGS smartphone app cannot be connected.

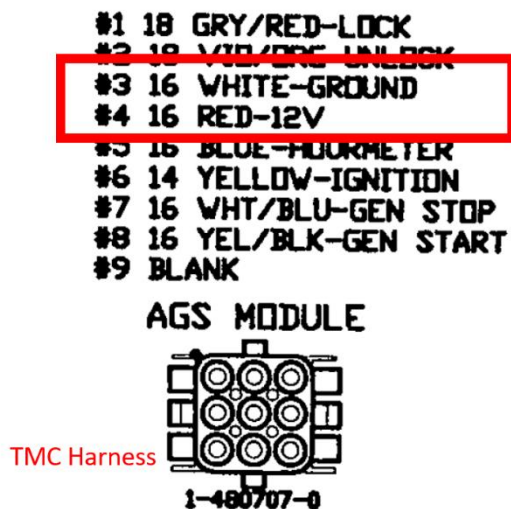
#### Check List

##### a. Low House Battery Voltage (Under 12V)

When AGS system is tested in the production line, the house battery may not be fully charged to supply proper power to AGS module. Measure the house battery voltage. If it is low, connect to the shoreline or battery charger to charge the house battery.

##### b. Poor Connection of the power supply

Check the power supplied to the module and check it is properly grounded.



Housing AMP 1586844-1(9 Pin)

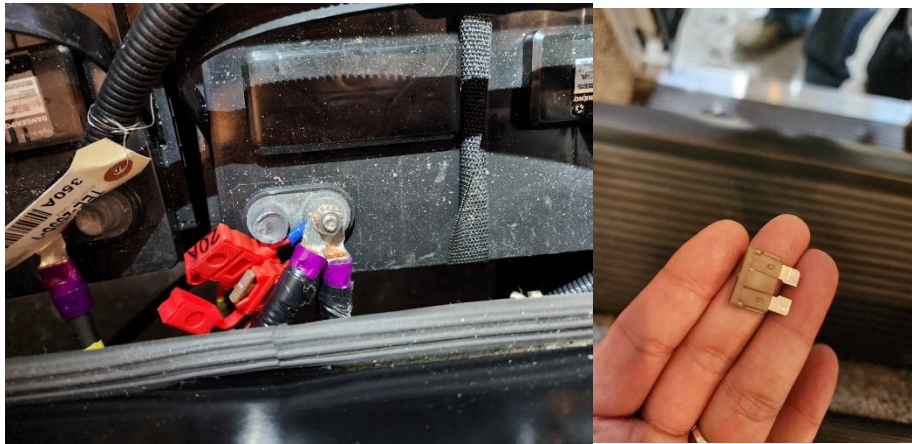
9PIN  
(BACK VIEW)

1	GREEN/YELLOW	Door Lock	26 PIN(#1)
2	ORANGE	Door Unlock	26 PIN(#14)
3	BLACK	GND	26 PIN(#19)
4	RED	12V VCC	26 PIN(#26)
5	YELLOW	Gen. Running	26 PIN(#11)
6	BROWN	IGN ON SIGNAL	26 PIN(#23)
7	BLUE	Gen. Stop	26 PIN(#24)
8	GREEN	Gen. Start	26 PIN(#25)
9	TBD		

From Namsung AGS10 Module

##### c. Defective Fuse

One of the fuses connected to the battery may be defective when the module is not still properly powered after checking all wiring connections are good.

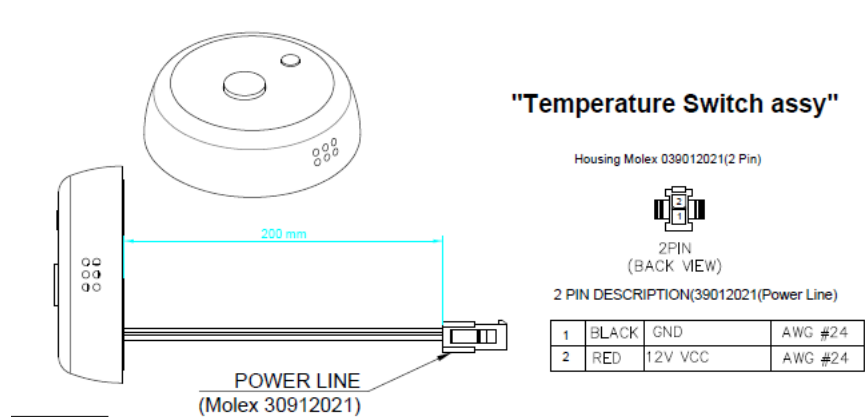


## 2. AGS Switch (with temperature sensor) is not working.

### Check List

#### a. Poor connector connection

Check if the connector is properly connected to the power source and ground wire.



#### b. Low house battery voltage

The operation voltage of the switch is 12V. Check the power is properly supplied.

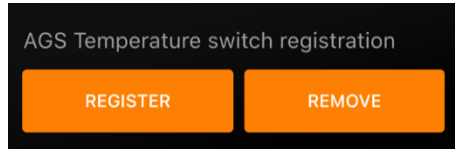
#### c. Unregistered AGS Switch

AGS Switch must be registered to AGS10 module. If the AGS switch button is not synchronized with app, register the switch with the following steps.

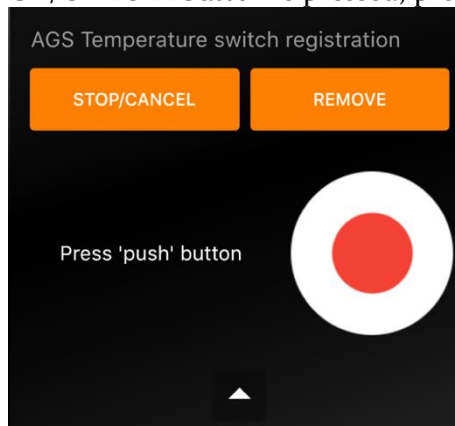
AGS Temperature switch registration

If AGS temperature switch needs to be registered, log in to the AGS smartphone application.

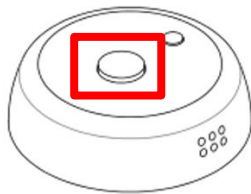
- ① Press REGISTER.



- ② The new menu will be opened, and Press 'push' button message will be seen. If STOP/CANCEL button is pressed, process will be cancelled.



- ③ Press Enable/Disable button on AGS Temperature Switch.




- ④ If Success to Register message is seen, Registration process is done.

## Quick Start Guide

AGS10 Auto Generator Control's Application

1. Scan QR code (below) to download "Auto Generator Control" app from Google Play Store or Apple App Store.




iOS
Android OS

2. Open the Auto Generator Control app on your smartphone and the following screen [Figure 1] will appear.

3. Enter the 6-digit app login passcode from the following screen [Figure 2] to log in the AGS app.

4. If the following screen [Figure 3] appear, the AGS is ready to operate.





[Figure 1]
[Figure 2]
[Figure 3]

**Note**

- For pairing the AGS app with AGS module, make sure that the AGS module is connected to power and the Bluetooth of user's mobile device is set to on.
- If AGS has not been logged in with user's mobile device, log in screen will automatically be opened to demand pass code.
- If AGS has already been logged in and not logged out, it will open the main screen of AGS application.
- However, if another AGS app from the different mobile devices tries to search for AGS module, it will not be found unless other device is logged out. (It is 1:1 connection via Bluetooth)

\* When AGS app is logged out to be disconnected from the AGS module and user tries to connect AGS module with the same mobile device or different devices to reconnect AGS app, it will take more time than usual because of time demands for scanning.

App Login Passcode

PASSCODE is written here.



The QSG paper includes a passcode sticker that is attached to the paper itself, and an additional passcode sticker is provided for affixing to a designated location.

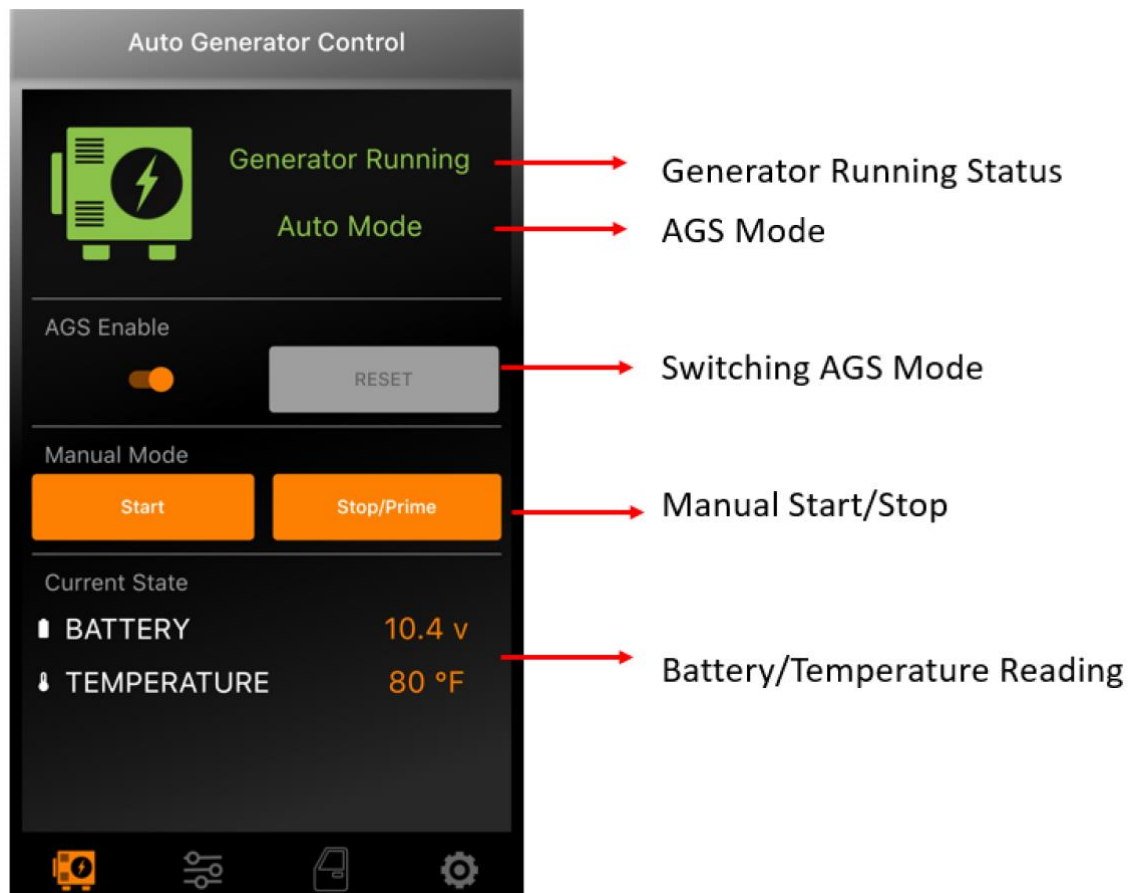


In the production line, multiple AGS modules are installed and connected to the house battery power, so the modules are in an active state. Considering the radius range of



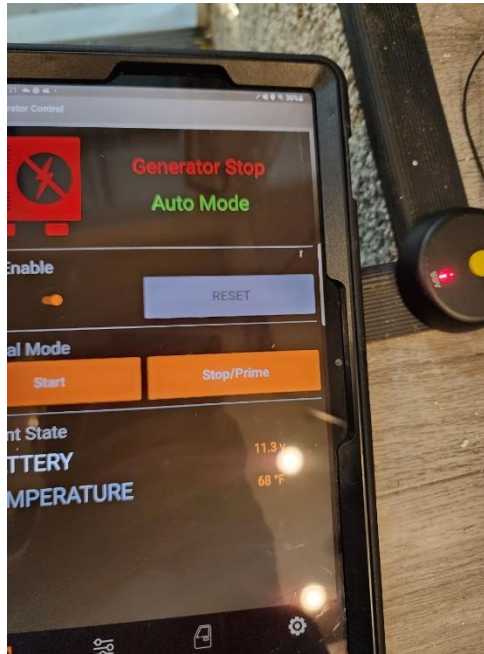
Bluetooth communication, when trying to connect to a specific vehicle's AGS module with a smartphone, an environment is created where multiple modules are trying to connect to the phone. If the AGS module that you are trying to connect to cannot be connected at once and is instead connected to another vehicle's module, exit the currently connected AGS app and try to reconnect near the location where the module is installed. The module is located behind the cabinet in the bathroom or under the bed frame. Usually, with proper power connection, it is possible to log in to the corresponding module after 2-3 attempts.

Once logged in,



1. Check voltage reading. → Battery Connection is OK
2. Check temperature reading. → The temperature sensor is working.





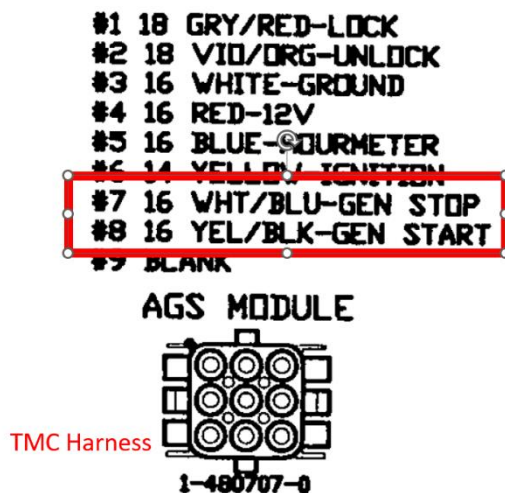
3. Click the AGS Enable toggle button – AGS Switch LED ON → AGS module and AGS switch are communicating.

### 3. Generator is not operating.

A. The generator is not starting/stopping properly in Manual mode.

#### Check List

a. Check Gen Start/Stop wiring is correctly made.



Housing AMP 1580944-1(9 Pin)

9PIN  
(BACK VIEW)

1	GREEN/YELLOW	Door Lock	26 PIN(#1)
2	ORANGE	Door Unlock	26 PIN(#14)
3	BLACK	GND	26 PIN(#19)
4	RED	12V VCC	26 PIN(#26)
5	YELLOW	Gen. Running	26 PIN(#11)
6	BROWN	IGN ON SIGNAL	26 PIN(#23)
7	BLUE	Gen. Stop	26 PIN(#24)
8	GREEN	Gen. Start	26 PIN(#25)
9	TBD		

From Namsung AGS10 Module

If the generator runs when the Stop Input is input, then there is a high possibility that the wiring for Pin 7, Gen Stop, and Pin 8, Gen Start, are swapped. If this is found, check if the harness of other vehicles on the production line is wired in the same way and request a correction from the harness shop.

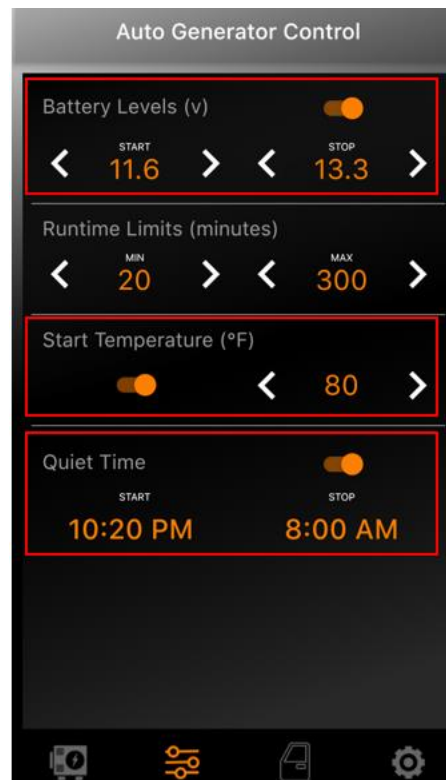
b. Faulty Generator

If the generator does not start after Gen Start input is applied check the AGS app it counts generator starts failure. If generator start failure is counted, AGS is functioning properly. It will retry to start the generator after 2 minutes and if AGS fails to start the generator 5 times, AGS will change its mode to failure mode.

The generator needs to be inspected to see if this is ready to operate.

B. The generator is not starting/stopping properly in Auto mode.

a. Check the AGS Auto mode settings.



Check the settings conditions for operating the generator with AGS, such as temperature, voltage, and whether quiet time is enabled.

b. Check Gen Start/Stop wiring is correctly made and there is no issue in generator.

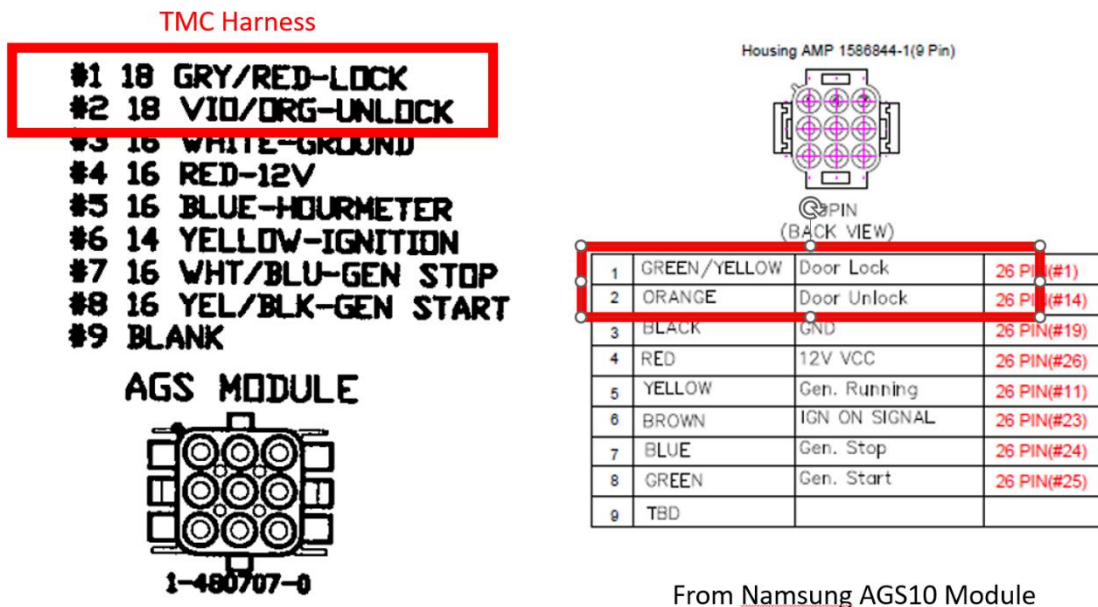
Just like in manual mode, if the generator does not operate under AGS conditions in automatic mode, check the wiring connections and generator status.

#### 4. Door Lock/Unlock control is not working

Door Lock / Unlock not working.

a. Check the Door Lock / Unlock wiring.

Check the door lock and unlock wiring is correctly made.



b. Low RKE (FOB) battery voltage (**If AGS10 with Key Fob is installed**)

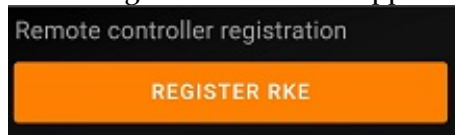
Check the battery is low and if needed, replace it.

c. Check Registration status.

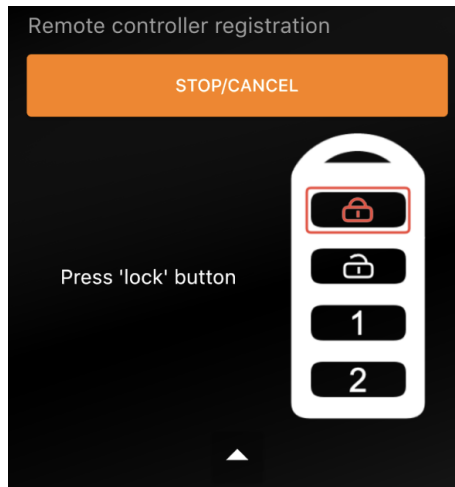
Key Fob must be registered before using it with AGS10 module.

If registration is needed, follow the steps.

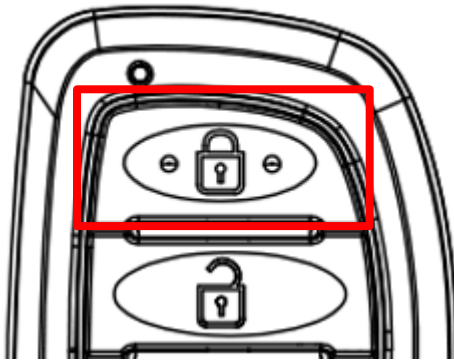
① Press “Register RKE” in the app



- ② An expanded menu will pop up and new message show 'Press Lock Button' If you press Stop/Cancel button, registration process will be canceled.



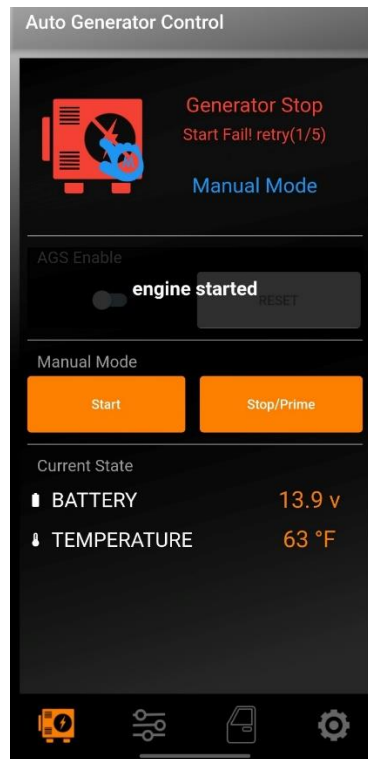
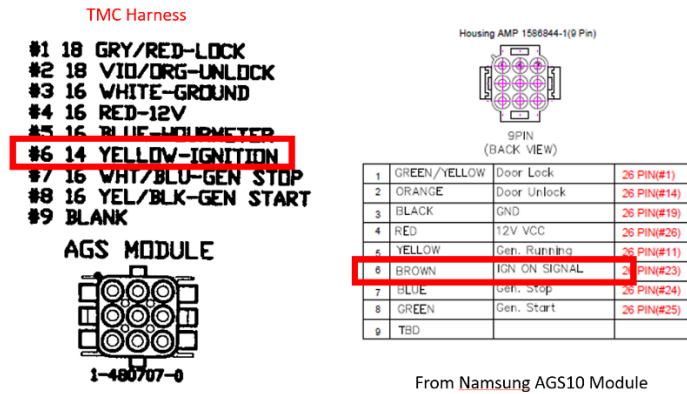
- ③ Press 'Lock' button



- ④ If Success to Register message is shown, the process is complete.

## **5. AGS does not automatically switch to manual mode when IGN input is on.**

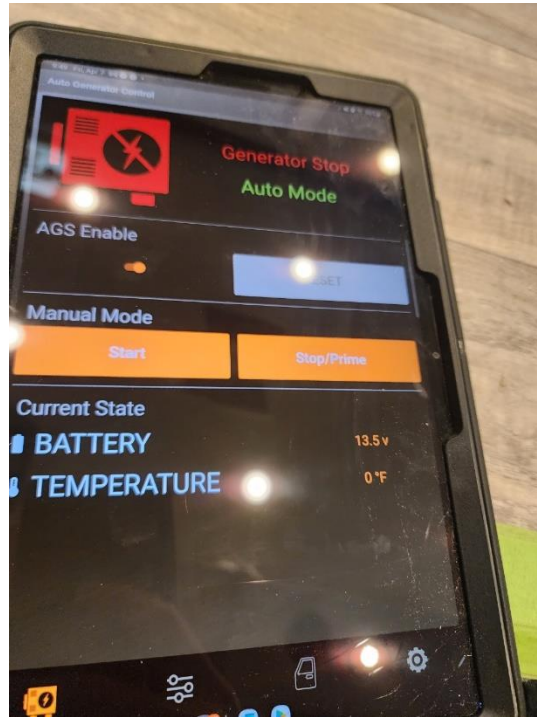
Check the IGN connection is properly made.



## 6. Temperature value is not displayed on APP. (or Abnormal value displayed)

Cause	Solution
AGS Temperature Switch power connection failure	Check the input power. (Check if the connector is properly connected.)
Unregistered Switch	Check if it is registered with AGS.

Faulty temperature sensor	Replace the product, register it with AGS again, and check the temperature value.
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If the AGS app is in the Enable state but the LED light on the AGS switch does not turn on and the temperature from the temperature sensor is not displayed on the app, it is highly likely that the switch is not properly registered.