

ANTIGRAVITY BATTERIES

CONVERSION KIT AG-CON-MCL

USER MANUAL



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DANGER - WARNING!



PRIOR TO USE, READ AND UNDERSTAND THIS MANUAL AND SAFETY INFORMATION. Failure to follow the instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which may result in SERIOUS INJURY, DEATH, or DAMAGE TO VEHICLE or PROPERTY. Do not discard this information.



Introduction

The Antigravity Batteries McLaren Battery Conversion Kit is only for McLaren Models (from 2011-2021) listed below. This Kit DOES NOT work with the 720 or later McLaren models.

- MP4-12C
- 540C, 570S, 570GT, 600LT, 620R
- 650S, 625C, 675LT
- P1

Supported McLaren battery types: Gen1 to Gen3.

Not Supported McLaren Battery type: Gen4 (used on GT, 720S, 750).

WHAT THIS KIT DOES

The McLaren Supercars are designed using a proprietary "McLaren" Lithium battery, this proprietary system does not allow for aftermarket battery replacement options. This results in added product and service costs, downtime, and dependency on factory components for a simple battery change.

Our emulator solves this by replicating the required factory battery signals when using an alternative battery like an AGM or Antigravity Lithium Battery. The Antigravity emulator maintains system compatibility with no flags. The result is greater reliability, serviceability, and ownership control.

IMPORTANT NOTE ON "DEAD-BATTERY" WINDOW OPERATION!

When using this battery emulator, if the vehicle's battery becomes fully discharged (dead), the windows will not automatically lower slightly as they do with McLaren's proprietary battery. This will create a problem in trying to enter the Car if the Battery goes dead because the door will not open when the window has not been dropped! Note that only happens if Battery is completely dead.

The solutions for the "Dead-Battery" issue are as follows:

- Make sure your battery is maintained and not allowed to over-discharge to dead.
- Use the Antigravity "RE-START" Battery. Our Antigravity Battery has a built-in reserve energy feature; you simply press the provided Battery Keyfob and your battery will wake up and provide its reserve power to your McLaren's system so you can easily enter the car and start it as normal.
- Recharge your Battery before attempting to open the door. This will require you have a pigtail routed to an exterior area of the Car so that you can recharge your Battery. Many McLarens have the charging port inside the Front Trunk area which cannot be accessed if the Battery is dead. So you must route a way to charge the battery to the outside of the Vehicle. Antigravity Batteries offers some work-arounds for you to accomplish this. For example a longer Pigtail Harness, or our longer Jump Start Harness. Please contact us for Details.

PARTS INCLUDED IN THE KIT *(All parts have tags/labels attached for easy installation)*

1. McLaren Battery Emulator
2. 2 pcs M6 NUT: used to connect Emulator Pos. and Neg. Wires to the McLaren Battery Clamps.
3. Instruction Manual also available in PDF, scan QR Code on the back page.

RECOMMENDED BATTERY FOR THE CONVERSION

The original McLaren Battery you will be removing from your McLaren is a 60 Amp-Hour Lithium Battery. It should be replaced with a similar Capacity or larger Battery as listed below:

- Antigravity Lithium Battery in an H7 (Group 94) size in a 60 Amp Hour or 80 Amp Hour Capacity.
- A quality brand AGM Battery in the H7 (Group 94) size with an Amp Hour rating of 85Ah or larger.



Installation Steps 1-3



DISCLAIMER

Improper installation or use may result in damage or injury. The User, Consumer or Installer is fully responsible for the installation and use of this product as intended. Antigravity Batteries LLC is not responsible for any damage beyond the product replacement resulting from installation or use.

1

NEW BATTERY CONNECTION

Note: It is assumed that you have removed the original McLaren Lithium Battery and placed the NEW BATTERY (fully charged) in the same orientation as the battery you removed, and NO CONNECTIONS to the Battery have been made. The instruction below will take place from that point.

1. Make sure the Positive and Negative Battery Cables that you will attach to your Battery Posts are clean and ready to be installed.
2. Install the Positive Cable to the NEW BATTERY with a slight twisting motion to make sure it is seated well on the Battery's Positive Post, then tighten the Clamp Nut to a torque of 7-9 Nm (5-7 ft-lbs).
3. Install the Negative Cable to the NEW BATTERY with a slight twisting motion to make sure it is seated well on the Battery's Negative Post, then tighten the Clamp Nut to a torque of 7-9 Nm (5-7 ft-lbs).

2

CONNECTING THE EMULATOR TO THE BATTERY

1. Get the Emulator and look at its labeled wires.
2. Connect the Wire labeled as "TO POSITIVE BATT CLAMP" on top of the Positive Battery Clamp Nut using the provided M6 Nut, then tighten to a torque of 7-9 Nm (5-7 ft-lbs).
3. Connect the Wire labeled as "TO NEGATIVE BATT CLAMP" on top of the Negative Battery Clamp Nut using the provided M6 Nut, then tighten to a torque of 7-9 Nm (5-7 ft-lbs).

3

CONNECTING THE EMULATOR'S LIN CONNECTOR

NOTE: During the removal of your McLaren Battery you will have unplugged a connector from the McLaren Lithium Battery, this is called the "LIN CONNECTOR".

1. Find the LIN CONNECTOR that you unplugged from your McLaren Lithium Battery earlier in your Battery removal process.
2. The Kit's Emulator has 2 sizes of Lin Connectors on it, they are labeled as "TO LIN CONNECTOR". Choose the size that matches your Car's LIN CONNECTOR and plug them in to each other; make sure they snap and lock together.
3. Review the wiring routing for the kit and where you want to install the Emulator so it will not interfere with other parts. Route wires out of the way, and use the provided Velcro strip to mount the Emulator to a cleaned surface and area that will not interfere with other parts.



Installation Step 4

4

FINAL REVIEW

Note: At this time you have completed the Emulator Installation; you should review your installation and do the following BEFORE covering your battery up.

1. Check connections are proper polarity and torqued correctly. Check cables are tight on battery posts.
2. Without Starting the Car, view your Car's Instrument Display, it should be showing your battery's voltage and a percentage of charge at approx 85%. Doing this step allows you to verify your connections are correct and you are getting proper power.

Please note: the emulator does not produce a truly accurate voltage reading for the Car, so it is important that you make sure not to rely ONLY on this reading from the Instrument Display. Antigravity Batteries offers a Bluetooth Battery Monitor that will allow you to use your Phone to confirm you Battery's Voltage. Please visit the Antigravity Website.

3. Start your Car to verify it's starting as normal.
4. Before you cover up your Battery, IT IS HIGHLY RECOMMENDED that you install a longer Charging Pigtail/Harness to your new Battery and route it to an access point OUTSIDE of the Car's Frunk. This will allow you to easily keep your Car Charged in the future, but also allow you to Charge your Battery in the event you accidentally over-discharge the battery. The reason for this is because you cannot gain access the to standard charging location in the Frunk of the McLaren if you have a dead Battery. So be aware of this issue!

End of Installation instruction. See last page for FAQs.



Frequently Asked Questions



What does the battery emulator actually do?

The emulator mimics the electronic signals expected by the McLaren vehicle system from the factory battery. This allows the car to function normally when using an AGM or Antigravity lithium battery instead of the proprietary OEM unit. Please see specific note on “Dead-Battery Window Operation” at front of this manual.

Will this cause warning lights or error codes?

No. When installed correctly, the emulator prevents battery-related warning lights and fault codes by maintaining proper communication with the vehicle.

Is this safe for my McLaren’s electrical system?

Yes. The emulator is engineered specifically to work within McLaren’s electrical architecture and does not alter or bypass critical vehicle systems.

Can I switch between AGM and Lithium batteries later?

Yes. One of the key advantages of the emulator is flexibility. You can change battery types without needing additional electronic modifications. Use AGM, or an aftermarket Automotive Lithium Batteries such as Antigravity Batteries RE-START Batteries.

Does this affect charging or the vehicle’s alternator?

No. The vehicle’s charging system continues to operate normally. Battery selection should meet recommended specifications for your McLaren model.

Is this reversible?

Yes. The kit can simply be removed and the vehicle returned to its original configuration if desired.

Will this void my warranty?

Warranty implications vary by vehicle age, region, and dealer. We recommend consulting your dealer if your vehicle is under factory warranty.

Which McLaren models are supported?

The only models supported with this kit are noted on the front of this Manual. They are also noted on our website.

Why would I choose an Antigravity lithium battery?

Antigravity lithium batteries offer our Patent Pending RE-START built-in Jump Starting which allow you to gain entry into or start your Car even after the Battery has been over-discharged. Additionally the incredible weight savings, extremely low self-discharge, and built-in safety Battery Management System (BMS) make them ideal for performance vehicles and storage.

Do you offer technical support?

Yes. Antigravity provides product support to assist with installation guidance, battery selection, and general compatibility questions.

