

ANTIGRAVITY BATTERIES

CONVERSION KIT AG-CON-992

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

IMPORTANT, PLEASE READ!

The Antigravity Porsche 992 Battery Conversion Kit is only for Porsche 992s (2018- 2024) that came equipped with the Porsche Factory Lithium Battery.

It is recommended you go with original 992 Battery Specifications as the replacement Battery:

- **For Antigravity Lithium:** Use the AG H6 or H7 size in a 60 Amp Hour Capacity.
- **For AGM Batteries:** Use the H7 or H8 Size in an 80-92 Amp Hour Capacity.
- Make sure your replacement battery is FULLY CHARGED and ready to install before doing your Conversion.
- See Disclaimer and FAQs at the end of this Manual.

PARTS INCLUDED IN THE KIT

(All parts have tags/labels attached for easy installation)

1. **NEW NEGATIVE CABLE:** Replaces the existing 992 Negative (Ground) Cable.
2. **NEW RED (LIN-CONNECTOR) WIRE:** Has a Pin on one end, and Ring Terminal on the other end.
3. **10mm M6 NUT:** Connects the RED LINBUS WIRE to M6-stud on the 992's Positive Battery Clamp.
4. **OBD2 MODULE:** Changes the Battery Settings of the Car for the conversion.



Installation Step 1

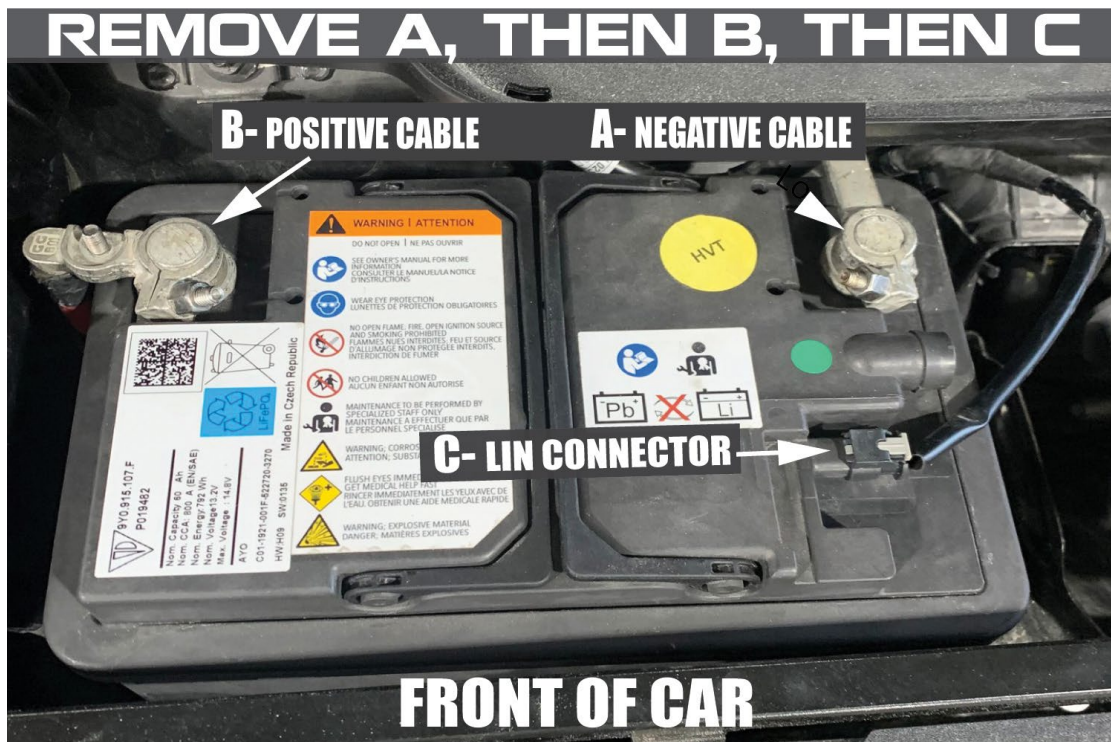
I

BATTERY REMOVAL (Image#1 below)

NOTE: When disconnecting the battery cables, wrap the Cable's Clamps in rags for protection.

1. Open Frunk of 992, remove the plastic cowl to access to the Battery.
2. Remove the Tire Inflator (Torx T20 Size), then the Top-Bar that goes over the Battery (13mm socket).
3. Remove the battery's hold-down cleat, located at the right-side base of the Battery (13mm socket).
4. Loosen the clamp-nut (10mm) on the Negative Battery Clamp "A" and remove the Cable.
5. Loosen the clamp-nut (10mm) on the Positive Battery Clamp "B" and remove the Cable.
6. Remove the LIN CONNECTOR "C" from the Battery. It has a "gray" locking tab you will slide back to remove the Connector. *Note: Later, you will install the Kit's "Red Lin Wire" into this LIN CONNECTOR.*
7. Remove the Porsche Lithium Battery.

Image #1



Installation Steps 2-3

2

INSTALL THE KIT'S NEGATIVE CABLE

1. Remove the original Negative (Ground) Cable from its location on the firewall (13mm Nut) and note its orientation, then replace it with the NEW Negative Cable from the Conversion Kit in the same orientation. Torque to 23Nm(17ft-lb). **Note:** We suggest you clean your ground point well before installing the new Ground Cable. A good ground connection is very important.

3

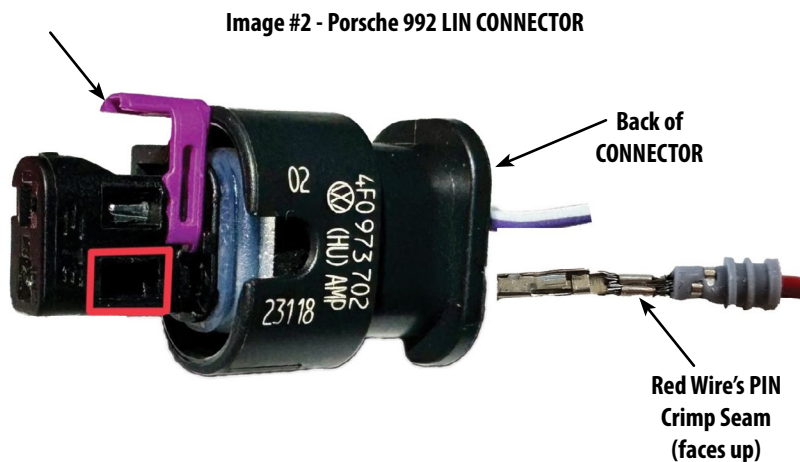
INSTALL THE KIT'S RED WIRE INTO THE LIN CONNECTOR (Image#2 below)

Note: The Kit's Red Wire has a PIN on one end and a RING TERMINAL on the other end. You will be inserting the PIN into the existing LIN CONNECTOR that you removed earlier from the 992's Lithium Battery.

1. Examine your LIN CONNECTOR (Image #2 below); it has one wire connected to it and has vacant hole for a second wire, where you will install the RED WIRE from the kit. You must remove the Dust Plug at the back of the LIN CONNECTOR's vacant hole first.
2. Take a small Paperclip or Wire and insert it into the front of the LIN CONNECTOR in the vacant hole and push the Dust Plug out the back side of the LIN CONNECTOR.

3. Open the PIN-LOCK on the LIN CONNECTOR

Use a small pick (inserted at the arrow) to slide the purple pin-lock to an OPEN position (as demonstrated in the image below). This will allow you to slide the Red Wire's Pin into position.



4. Insert Red Wire's PIN into the LIN CONNECTOR

1. Put the LIN CONNECTOR in the orientation as shown in Image #2 above.
2. Put the PIN in the orientation as shown in the image with the Crimp Seam facing up.
3. Insert the PIN into the LIN CONNECTOR; it should go in easily if the orientation is correct.
4. After the Pin fully pushed in, press the purple PIN-LOCK back into place to lock the Pin in place.

Note: When the PIN is inserted correctly you will hear a click and be able to see it in the red-square area. You can then slide the purple PIN-LOCK back into place.



Installation Steps 4-5

4 INSTALL YOUR NEW BATTERY INTO PLACE

1. Make sure all cables are protected with Rags and out of the way when installing the new battery.
2. Mount your new Battery in place, and install the mounting-cleat, Torque to 15-18 Nm (11-13 ft-lbs).
3. Install your battery's Top Bar back into place, 15-18 Nm (11-13 ft-lbs), then install the Tire Inflator.
4. **DO NOT CONNECT ANY CABLES OR WIRES YET!**

5 FINAL CABLE AND WIRE CONNECTIONS *(Image#3 below)*

1. Connect your Positive Battery Cable to your new Battery's Positive Post, making sure it's seated well using a slight twisting motion with downward pressure, then tighten to a torque of 7-9 Nm (5-7 ft-lb). **DO NOT connect the Negative Cable yet!**
2. Attach the Ring-Terminal of the Red Wire (from LIN CONNECTOR) onto the stud on your Positive Clamp using the supplied M6 Nut from the Kit. Torque to 7-9 Nm (5-7 ft-lb). (See Image #3 below.)
3. Connect the new NEGATIVE CABLE to the Battery's Negative Post, making sure it is seated well with a slight twisting motion and downward pressure then tighten to a Torque of 7-9 Nm (5-7 ft-lb).
4. Plug the LIN CONNECTOR into the LIN PORT, which is found on your NEW Negative (Ground) Cable's Clamp.
5. Locate the inline FUSE on the RED WIRE, peel off the adhesive tape's protection then mount the FUSE onto a convenient location on the battery, firewall of the car, or nearby location for easy access, then bundle and tie any extra length of red wire for a clean installation.

YOU HAVE FINISHED THE WIRING INSTALLATION; DOUBLE CHECK ALL WIRING AND CONNECTIONS BEFORE PROCEEDING TO STEP 6.

Image #3



Installation Step 6

6 UPDATE THE CAR SYSTEM USING THE OBD2 MODULE

1. Leave your Frunk open to be able to check your connections as needed.
2. Start your car (DO NOT insert the OBD2 Module yet), you may see an error such as "Vehicle Electrical System Error", or perhaps "Start/Stop Error" or another; be aware that this may happen and is normal.
3. Now check the Car's Instrument Display to view the "Voltage" of the Car's battery; you may have to scroll your settings to find the "Voltage" in the Car's Display. You want to do this to make sure your Car has a voltage reading from the Battery. If you see dashed lines instead "----" in the Voltage Display then you may have a problem with the Red Wire's Pin installation into the LIN CONNECTOR.
4. After verifying there is a Voltage reading in your Car's display, turn off the Car completely.
5. Now put the Car into Accessory Mode (ACC), DO NOT START THE CAR! When in ACC Mode, the instrument cluster will turn ON, but the car is NOT started. You want it ONLY in ACC mode.
6. Insert the OBD2 Module into the Car's OBD2 Port (which is located above where your left foot would be (under the dash) if you were driving.
7. After the OBD2 Module is inserted, leave it in the Port for 5 minutes to ensure it has finished. There will NOT be a notification that it has finished. So just wait 5 minutes.
8. Remove the OBD2 Module, and start the Car. Allow it to warm up and take car for a test drive.
9. See NOTES below.



FINAL INSTALLATION NOTES

1. After the installation you may notice different voltage levels occurring in your instrument display; this is normal and due to the settings changes for AGM Batteries, this is typical and OK.
2. Please note in some Cars it may take some driving before a flag may go away, or before a "check engine light" goes away. This is because the system has to re-learn a battery is in the Car after having a battery change.
3. If you find a flag persists longer than normal, redo STEP 6 numbers #3 through #8.
4. If you have any other questions please call us at 310 527 2330.

DIAGNOSTIC TOOL CODES

If you own a Diagnostic Code Reader, please note you may have some Codes showing up after installing this Conversion Kit. Please note in most cases those Codes are NOT from the Conversion kit. They are most often related to existing codes that were thrown from the failing Factory Porsche Battery. For example when the Porsche Battery was failing, it could not be awakened and you may have tried to awaken the battery with Jump-Starter, or another battery or even started the Car even though the battery would not wake up. These types of things will generate codes in the Car. If and when possible try to clear them before or after the Conversion kit is installed.



Frequently Asked Questions



Is the conversion reversible?

Yes, but it would require that you put the original parts back into the car, and take the Car to a Porsche Dealer or Independent Mechanic with the PIWIS System so they can reset the PIWIS Battery Settings to original.

Does the conversion damage my 992?

No, this conversion simply uses similar parts and settings as found in 992s factory-equipped with an AGM Battery. It uses the standard setting for AGM Batteries and does not alter the car from what is used in the AGM-equipped Cars. After changing a battery in your Car, or after installing the kit you may see TPMS issues, or a Check engine light. Most all times these will go away after driving for 30 mins to an hour. TPMS issues can arise with any Battery Change-out and are not directly related to the Conversion, but rather to a Battery Change; you may have to re-calibrate for your 992 if you see this warning.

Will this conversion void my warranty?

Porsche Dealerships will often say this, but the parts replaced and settings changed are simply taking the Car to the same electrical configuration as the 992s that are AGM equipped. According to the "Magnuson-Moss Act" (federal law) you are allowed to replace OEM parts with aftermarket parts of the same type without the Dealer claiming a voided warranty. Please check with your dealer if you have specific questions.

Will this affect a TUNE on my Car?

While we assume it should not affect a TUNE, you should check with the company that did your TUNE before installation of this kit. We do understand that some TUNES will affect charging strategy of the Car, but we are not sure what changes are made to the Battery settings specifically, if any, during a TUNE. It is necessary that you check with your TUNE provider to get an answer to this.

DISCLAIMER

This product is intended for automotive use only. 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.

