

TECHART

ASSEMBLY INSTRUCTIONS

TECHART Lithium Battery

Part-no. 092.580.400.009

Version 01 – 12/2023



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I Important safety information

All of the necessary work must be performed by qualified persons with an appropriate level of expertise.

	<div data-bbox="655 562 959 618"> WARNING</div> <p>Vehicle lifts with an insufficient lifting capacity can collapse under the weight of the vehicle and crush any persons standing underneath.</p> <p>Compare the weight of the vehicle with the lifting capacity of your vehicle lift. The weight of the vehicle must not exceed the lifting capacity of your vehicle lift. The weight of the vehicle can be found in the vehicle operating manual.</p>	
	<div data-bbox="655 860 959 916"> WARNING</div> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronic systems.</p>	
 	<div data-bbox="655 1106 959 1162"> CAUTION</div> <p>Risk of injury from hands and arms being crushed, cut or lacerated when working with sharp-edged and bulky objects.</p> <p>Wear protective clothing and protective gloves. Keep limbs out of narrow and inaccessible areas of the vehicle and/or avoid dangerous situations by using special tools and suitable aids.</p>	 
	<div data-bbox="655 1431 959 1487"> CAUTION</div> <p>Risk of injury to back, muscles, joints, tendons and ligaments from lifting and carrying heavy and/or bulky objects.</p> <p>Lift and transport heavy and/or bulky objects with the help of other people and/or with suitable aids.</p>	
	<div data-bbox="304 1722 592 1778">NOTICE</div> <p>Before starting the assembly procedure, carefully read the assembly instructions in full and pay attention to the safety information and sequence of the individual operation steps.</p>	

II Preparation

Number of people required



For the installation of this product one person is needed.

Help and support

If you have any technical queries, please contact us immediately:
support@techart.de

Check TECHART parts kit for completeness

Quantity	Part number	Part name
1	092.580.400.009	Techart Lithium battery
Consisting of:		
1	092.580.062.100	TECHART Battery, 40Ah nominal
1	9A7.915.181.10	Ground cable
1	092.580.100.150	Cable set BMI

Use the table to check whether all of the required parts are present.

Once parts have been removed from their original packaging, ensure that they are properly handled and stored.

III Installation

1. Prepare vehicle



Before starting work, check the fault-free operating status of the vehicle. To do this, use the PIWIS II system tester to read out all the fault memories of the individual components of the vehicle and rectify any faults that are displayed first.

Please read the installation instructions carefully and follow the specified work steps and instructions. Due to the technical complexity, we recommend that you only have the installation carried out by an authorized dealer. Warranty can only be granted if the installation is carried out correctly in accordance with the installation instructions.

In the context of driving safety, the customer should be informed that this vehicle is equipped with a special lithium battery.

2. Remove original parts

1. Disconnect and dismantle the battery.
2. Dismantle the original ground cable.

3. Install TECHART parts

1. Install the supplied ground cable.
2. Release the lock on the two-pin plug and insert the supplied cable 092.580.100.150 into the free pin and lock the plug again. Insert this plug into the newly fitted ground cable.

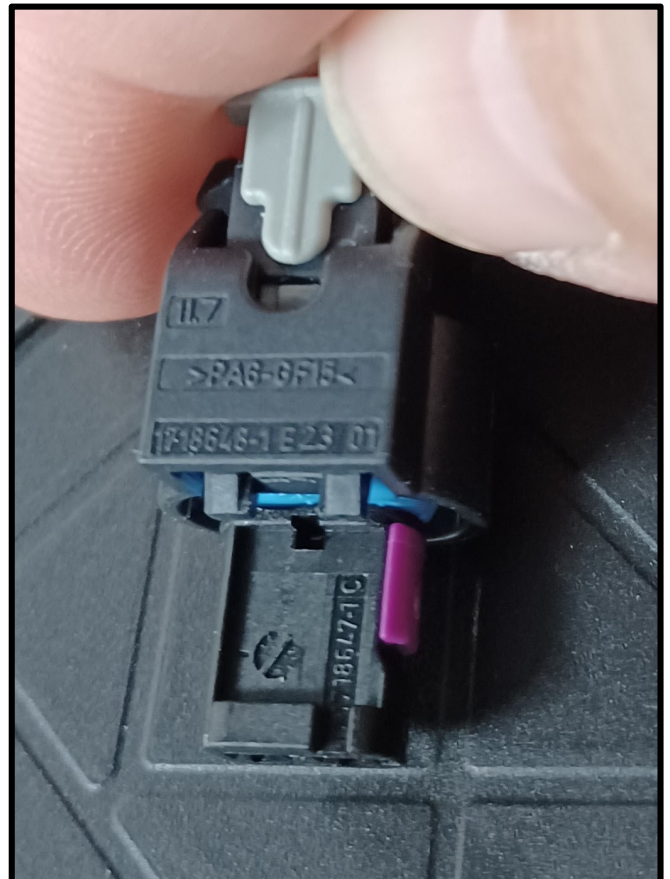


Fig. 01

3. Install TECHART battery.
4. Connect the positive cable of the vehicle to the cable 092.580.100.150 supplied and connect both to the positive terminal of the battery. Connect the supplied ground cable to the battery.



Fig. 02

5. Check everything for tight fit.
6. Connect a lithium-compatible charger, e.g. the TECHART charger 092.580.062.101

4. Program TECHART battery

1. Switch on the ignition and delete all fault memories.
2. Return and select gateway. Confirm with "Next".

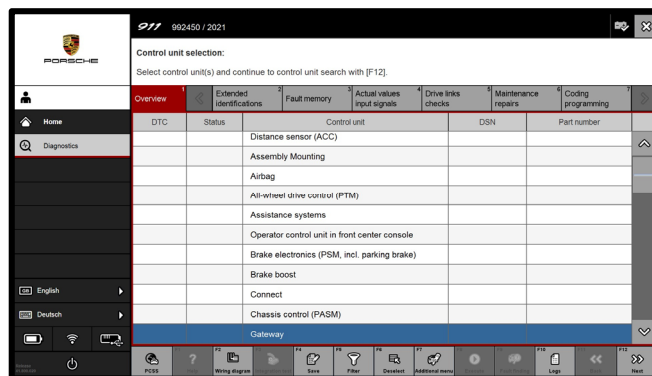


Fig. 03

3. Select maintenance and repair. Select battery replacement and confirm with "Next".

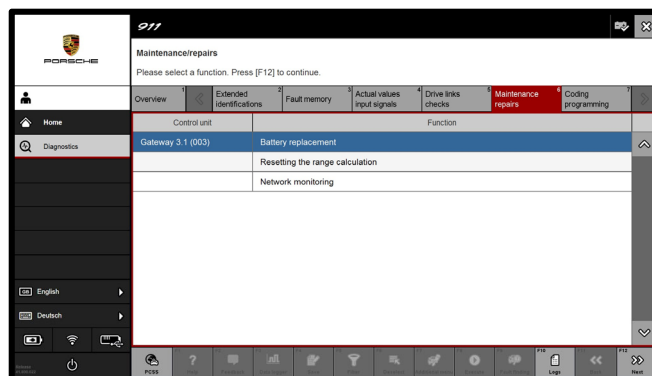


Fig. 04

4. Enter the battery data as shown in the illustration. Use the serial number of the old battery as the serial number. Confirm each entry with "Enter" so that the pen is visible after each entry. Then confirm with "Next".

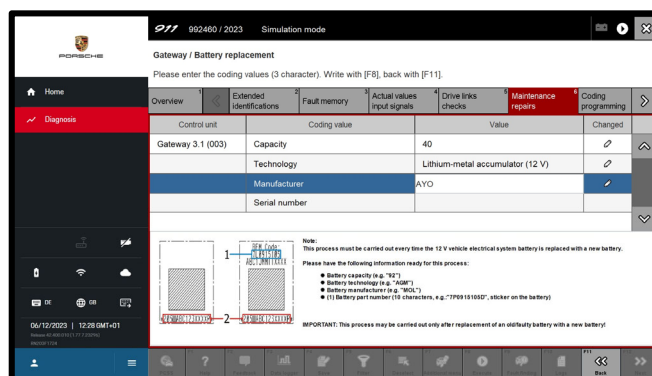


Fig. 05

5. Read out the fault memory of the entire vehicle again and delete it if necessary.
6. Perform a test drive and check the vehicle again for faults.

TECHART

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