Spare Parts Requirements 12-Volt Lithium-Ion Starter Battery (181 / 22)

Model Line: **911 (992)**

Model Year: **As of 2020**

Equipment: LiFePO4-Battery 580A 60Ah (M-No.: J2A)

Concerns: **12-volt lithium-ion starter battery**

Information: Due to delivery problems with the 12-volt lithium-ion starter battery from A123, a 12-volt lithium-ion starter battery from LG must be used until further notice if a replacement battery is required.

Action required: Depending on the derivative and market, the 12-volt lithium-ion starter battery can either be replaced as described in the Workshop Manual or, after installation into the vehicle, a PR number must be set and the engine electronics (DME) control unit must be re-programmed.

The procedure required for each affected vehicle is described in the table below:

Type	Action
All 911 Carrera, 911 Carrera 4, 911 Carrera S, 911 Carrera 4 S and 911 GT3 types.	Replace 12-volt lithium-ion starter battery as described in the Workshop Manual. For instructions, see: ⇒ *Workshop Manual '270619 Removing and installing battery/vehicle electrical system'* and ⇒ *Workshop Manual '270655 Replacing the battery/vehicle electrical system'*
All 911 Carrera GTS, 911 Turbo and 911 Turbo S types.	Replace the 12-volt lithium-ion starter battery as described in the Workshop Manual, set the PR number and re-program the engine electronics (DME) control unit. For instructions, see: ⇒ *Technical Information '270655 Replacing 12-volt lithium-ion starter battery and programming PR number'*

Required parts

Parts Info: **Required parts:**

Part No.	Designation	Number
9Y0915107QY	⇒ Battery – 12-volt lithium-ion starter battery 580 A (60 Ah)	1 piece
9Y0010523	**Only for North America:** ⇒ Adhesive label – 12-volt lithium-ion starter battery 580 A (60 Ah)	1 piece

Replacing 12-volt lithium-ion starter battery, setting PR number and re-programming DME control unit

Information

The procedure described here applies only to the derivatives specified below:

- **911 Carrera GTS**
- **911 Turbo**
- **911 Turbo S**

For all other derivative models, it is not necessary to set the PR number 'S6B' and then program the DME control unit.

Work Procedure: 1 Replace 12-volt lithium-ion starter battery.

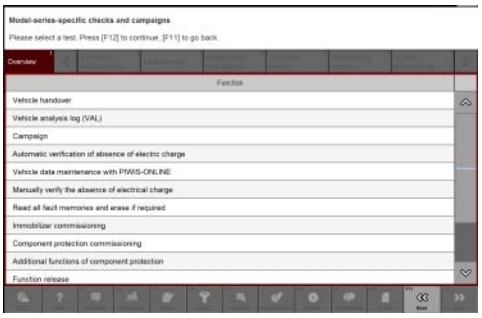
1.1 Remove and install 12-volt lithium-ion starter battery.
For instructions, see:
⇒ *Workshop Manual '270619 Removing and installing battery/vehicle electrical system'*

1.2 Replace 12-volt lithium-ion starter battery.
For instructions, see:
⇒ *Workshop Manual '270655 Replacing the battery/vehicle electrical system'*

2 Add the PR number **'S6B'** to the vehicle data.

2.1 In the control unit selection (**'Overview'** menu) press •F7 " to call up the Additional menu.

2.2 Select the **'Vehicle data maintenance with PIWIS ONLINE'** function, and press • F12 " ('Next') to confirm ⇒ *Maintenance of vehicle data*.



Maintenance of vehicle data

2.3 Read the information about the 'Vehicle data' function, and press • F12 " ('Next') to confirm.

2.4 Once the comparison between the data in the vehicle and the vehicle data in PIWIS Online has been completed, synchronize the vehicle data if necessary.
Press • F12 " ('Next') to continue.

Information

If the vehicle data needs to be synchronized, this must be carried out before doing any additional work. Otherwise, the vehicle data maintenance cannot performed.

2.5 Press • F12 " ('Next') to skip the displays containing information about vehicle description, colors/materials and X numbers.

2.6 Add the coding value **'S6B'** to the vehicle data on the PR numbers page. To do this, for the relevant coding value, click on the tick in the "Installed" field to select the value.
Make sure that the 'Installed' column is subsequently **ticked** and that the pen symbol is displayed in the 'Changed' column.
Then press • F12 " ('Next') to close the PR numbers display.

2.7 Press • F8 " in the overview that is then displayed to save the changed vehicle data.
The system then checks whether one or more control units have to be coded or programmed due to the changed vehicle data.

2.8 Re-code or program the control units displayed on the PIWIS Tester if necessary.

2.9 Then press • F11 " ('Back') to return to the control unit selection screen.

3 Re-program engine electronics (DME) control unit.

Information

It is imperative that the PIWIS Tester remains online during control unit programming so that backup documentation of the software versions installed on the control units **before and after programming** is sent to the Porsche After Sales systems.

The basic procedure for programming a control unit is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Programming"'*.

Specific information on control unit programming in the context of this Technical Information:

Required PIWIS Tester software version:	**41.100.020** (or higher)
Type of control unit programming:	Control unit programming using the **'Automatic programming'** function of the control unit (DME). **'Engine electronics (DME)'** control unit – **'Coding / programming'** menu – **'Automatic programming'** function.
Programming sequence:	Read and follow the **information and instructions on the PIWIS Tester** during the guided programming sequence. During the programming sequence, the **digital engine electronics** is **re-programmed** and then **automaticallyre-coded**. **Do not interrupt programming and coding.** Once the control units have been programmed and coded, you will be prompted to switch the ignition off and then back on again after a certain waiting time. Backup documentation of the new software versions is then performed.
Programming time (approx):	**15 minutes**
Procedure in the event of error messages appearing during the programming sequence:	⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Troubleshooting"'*.
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

4 Carry out general rework for control unit programming as described in ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Rework"'*.

Invoicing

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
27065500	Replacing vehicle electrical system battery	
27064950	Reworking vehicle electrical system battery	
24702551	Re-programming DME control unit	

PCSS encryption:

Location (FES5)	27060	12-volt lithium-ion starter battery
Damage type (SA4)	1611	exhaustive discharge

References: ⇒ *Workshop Manual '270619 Removing and installing battery/vehicle electrical system'*

⇒ *Workshop Manual '270655 Replacing the battery/vehicle electrical system'*

⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*