PORSCHE

Equipment Information

All
1401 USA

Binder - Equipment Information
Replaces bulletin dated 8/11/2014.

Recommended Use of a Battery Charger

Attention: **Service Managers and Service Technicians**

Vehicle Type: **All current and future vehicles**

Model Year: **2009 - present**

Information: This document updates information previously published in EQ 1105, EQ 1105, and EQ 1401.

To provide stable voltage and sufficient current throughout certain service operations, you should connect the vehicle to a battery charger (sometimes referred to as a power supply). However, you may experience ECU programming and coding issues if the chosen battery charger has insufficient power.

Many workshop manuals currently advise use of a battery charger with a 40 or 70 A current rating. However, with the increasing current requirements of modern Porsche vehicles, we recommend a battery charger capable of producing a **minimum current of 90 A**.

Specific Notes
Modern series-production vehicles. Since the generation of G1 Panamera, E2 Cayenne, and 9x1 sports cars, most Porsche series-production vehicles use an AGM starter battery. (The exception are vehicles coded for a Li-ion or "lightweight" starter battery.) **For AGM batteries, set the battery charger to a current of 90 A and a fixed voltage between 13.5 and 14.5 V.**

Use of battery chargers during ECU programming. Specifically for workshop operations requiring the programming of control modules, we recommend to set the battery charger to a "flash programming" mode with fixed voltage set between 13.5 and 14.5 V.

Verification of battery voltage during charging. To avoid clamping or connection issues with the battery charger, we recommend that you verify battery voltage by means of the PIWIS tester actual values or by using the voltage display in the instrument cluster.

Notes about the 918. The 918 Spyder uses a 12 V Li-Ion battery. As in previous documents, we recommend use of a regulated 12 V DC power supply capable of at least 70 A, set to "flash programming" mode. The charging voltage should be set between 13.5 and 13.8 V. Failure to observe this requirement will damage the internal electronics of the lithium ion battery,