

Service-Information Motorcycle



BMW NA
Service Department

Group: 61
General
Electrics

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61 015 88
(2297)

For USA Only

Mareg Batteries

Information: Three different capacity batteries are currently used on production motorcycles, worldwide:

30 Amp/hr. R100RT
 R100RS
 K100LT U.S.

25 Amp/hr. K100 All models
 K75 All models
 R80, R80RT
 R80GS, R100GS

20 Amp/hr. R65

20 Amp/hr. and 30 Amp/hr.: Continual draining of the 20 and 30 Amp/hr. batteries from:

- Motorcycles not used for extended lengths of time
- Non-Approved electrical accessories
- Riding at low speeds (e.g. low charging)

may run down these batteries to an irreparable state. The 20 and 30 Amp/hr batteries are sensitive to constant discharge because there is less acid and there are more plates within the battery shell. When these batteries discharge, the specific gravity of the acid can become so low that it will be difficult for the battery to recover with a charge.

25 Amp/hr.: The 25 Amp/hr battery has more room between the plates and more acid, so it can recover from a discharge more readily. This battery is also less sensitive to sulfation.

R100RS and R100RT: In order to provide reliable cold-starting on R100RS, R100RT, and earlier 1000cc Boxer models, it is important that the 30 Amp/hr. battery be used. These models require more cold weather cranking power.

Caution: Only use a battery charger with 3 Amp maximum output, which can taper the charge rate as the battery accepts the charge. We recommend the BMW Motorcycle Battery Charger - part no. 95 61 1 250 500.

R100GS Starter
Motor:

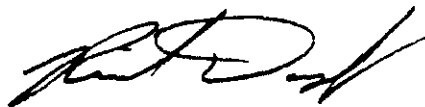
All production R100GSs will have a newly developed starter motor which requires less starting current from the battery. This new starter motor weighs 4.4 lbs. less than previous motors, but delivers the same amount of torque to start the engine.

Very truly yours,

BMW of North America, Inc.



Frank Stevens
National Service Manager



Richard Dampf
National Technical Manager

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