



# SUZUKI

## 2-Stroke

# Service Bulletin

Bulletin No: General-6

Date: May 1, 1975

Read and Initial

Manager \_\_\_\_\_

Parts \_\_\_\_\_

Service \_\_\_\_\_

Subject: BATTERY MAINTENANCE  
REFERENCE: Construction and Works of  
Electrical Equipment pgs. 21 - 24

### PROBLEM:

It has become increasingly apparent that many dealers are running into electrical service problems which are a direct cause or result of poor battery service.

### CAUSE:

The construction of the lead storage battery is such that its efficiency can be severely reduced for the lifetime of the battery if it is not correctly serviced and maintained.

The initial charging process is the single most important factor determining battery life and dependability. Charging the battery at the time the electrolyte solution is first added determines the ability of the plates to accept and retain current throughout the lifetime of the battery. Subsequent charging, regardless of how often or what charging rate is used, will never restore the current-retaining properties that were lost due to this failure to charge the battery during initial set-up,

### SOLUTION:

It is extremely important that each Suzuki dealer realize the advantages in both time and money savings to be realized by eliminating this troublesome service problem.

Special care should be taken to service each battery in the following manner at the time the motorcycle is set-up.

1.      Cut the closed-end of the battery vent tube.  
     This is very important!!
2.      Fill each cell carefully to the top level-line, using electrolyte having a Specific Gravity of 1.260 to 1.280.
3.      Charge the battery using a charging rate limited to 1/10 the current-capacity of the battery. Since most motorcycle batteries use a 10 hour rate, a 6 Amp battery should be charged at 0.6 Amps current continuously for 10 hours. It is good practice to leave the cell caps off while this is being done.
4.      Replenish the battery solution to the top level-line using distilled water.
5.      Never add electrolyte solution after the initial set-up in an attempt to "rejuvenate" the battery.

### PARTS:

A Hydrometer for measuring Specific Gravity is available from our Parts Department (part # 09900-28401).