



Battery Maintenance Guidelines

1. After filling the battery with acid, the new battery should be put aside for 20 to 30 mins before being sealed, as the battery needs to 'off gas' due to the chemical reaction. If the battery is not allowed to vent, the battery casing can burst due to excess pressure.
2. The battery will have only 80 percent of its fully charged capacity after filling. Place the battery on a trickle charger for 3 to 4 hours at 1.25amp to 1.5amp rate to bring the battery to a fully charged state.
3. After the battery is installed, always start the engine by kick starter if available as new vehicles do not have fuel inside the carburetor. For ARN, FOCUS, MATRIX, HURRICANE, FLASH50, 125, 150 units, the fuel is draw-in by vacuum from the air intake pipe, which will take time. If the first start of a new vehicle is by electrical starter, the battery will discharge quickly. Short distance, or low speed riding will not recharge the battery.
4. If vehicle not been used for more than 5 days, always start the engine by kick starter. The fuel is volatile and will have evaporated, and the carburetor will need to be re-filled by the operation of engine.
5. Vehicles without the kick starter can only operated by the electrical starter.



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6. When starting the vehicle using the electric starter, 'cranking time' should be no more than 5 to 10seconds. If the vehicle cannot be started by the third attempt, please check the fuel line or ignition system. Electric starting will consume more power, which may cause the battery to discharge quickly, For a 12v battery, please do not discharge to below 10 volts. Doing so may lead to shortened battery life, or pre-mature failure of the battery.
7. Every month, or every 3000km, please check the level of electrolyte (Refer to the UPPER and LOWER limits on the battery cover). If the battery level is low, please refill with distilled water only. At the same time, please check and clean the battery connection posts and cables. Maintenance free (sealed) batteries should NEVER be opened, as battery damage will result.
8. If vehicle will be stored for a long period of time, please charge and remove the battery from the vehicle. Do not store the battery in direct sun light. Remember to re-charge the battery monthly.
9. Low speed or short distance driving will also cause discharge of the battery. When the lights are dim, horn volume is low, or there is any difficulty in starting, please recharge the battery.



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10. Additional accessories, or unapproved modifications to the vehicle's electrical system, will place an additional load on the battery, and could result in shortened life, or failure of the unit.

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