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Carquest battery charger/maintainer manual

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JEG'S HIGH PERFORMANCE BATTERY CHARGER OWNER'S MANUAL Before Using This Product... The JG-2516 NIN-12V-OBD battery charger is designed for use with our high-performance batteries. It is essential to read this manual carefully before using the product. Types of Batteries There are two main types of batteries: non-accessible maintenance-free and accessible maintainable types. The former has a sealed design, while the latter has removable vent caps. To maintain a maintainable battery, you need to add water periodically. Always take an open circuit voltage reading or hydrometer reading from one cell at a time. Water Addition Guidelines * Check the electrolyte level of each cell. * If the level is below 75%, charge the battery immediately. * Add only clear, odorless drinking water to bring the liquid level to the recommended level (1/2" above the top of the separators). * Distilled water is preferred, especially in areas with high iron content. * Avoid overfilling cells, as excess electrolyte can cause corrosion and reduce performance. Battery Charging * Use a voltmeter to check the state of charge. Refer to the chart under "CHARGING TIPS" for guidance on determining if charging is necessary. * Do not fill cells with water in cold weather without running the engine or driving the vehicle long enough for the water to mix with acid. This can cause freezing and damage to the battery. Important Safety Precautions * Never open the flush cover, as this can lead to serious personal injury and void the warranty. * Maintenance-free batteries are designed to eliminate the need to add water. However, the volume of electrolyte above plates may still become depleted due to abnormal conditions like high heat or improper regulator settings.