



Redline Battery Guide

Types of Battery

Please note: Older vehicles with electronics designed for a conventional lead/acid battery must not be fitted with a maintenance-free battery. The generator and regulator of the vehicle are not suitable for maintenance-free batteries and would overload the battery, causing permanent damage.

Please check before first use the dimensions, voltage (V) and capacity (Ah) as well as the correct position of the positive and negative terminals. In addition for conventional lead/acid batteries you must check the correct position of the venting point.

Battery Type

1. Conventional lead/acid battery
2. Self-Sealed Maintenance Free
3. Factory-Sealed Maintenance Free

After filling with the correct battery acid we recommend that you fully charge the battery before installation.

Installation and General Maintenance.

When fitting the battery, ensure it is attached tightly to the motorcycle battery tray or clamps. Use the enclosed screws and nuts and the enclosed terminal lubrication and protection, where required.

Clean the wire ends with a wire brush before attaching them to the battery terminals for a clean connection.

For prolonged periods when you do not intend to use the motorcycle (2 months or more), charge the battery in full and disconnect the earth cable(negative terminal). For winter storage, it is advised to remove the battery altogether from the motorcycle.

During periods of little or no use or storage you should charge the battery fully at least every 3 months or use an intelligent charger to maintain the optimum health of your battery. Batteries that are not properly maintained can deep discharge, which leads to permanent battery damage.

Please Note: Do not use battery chargers designed for cars. Their charging current will overload and therefore damage the motorcycle battery. Only use battery chargers designed for motorcycle batteries.

Avoid unintentional creeping currents by keeping your battery clean. Always attach the positive terminal first and then the negative terminal; when removing the battery reverse this order and start with the negative terminal.

Please, read through the following notes for your corresponding battery type with care and follow the warning notes and safety instructions.

Important Safety Notices and Warnings

- Battery acid is corrosive and to avoid injury and damage, a specialised funnel (with a small bottom opening) or an acid dispenser bottle are recommended to fill the battery from dry or for topping up.
- Wear suitable gloves and safety goggles when handling battery acid!
- We cannot accept your used or old battery back to us due to the regulations for the Transport of Dangerous Goods.
- As a consequence, you cannot return a battery or battery acid pack that has been opened. Please download and read the installation instructions carefully – They are not complex, but you should familiarise yourself and follow the step by step guide.
- You cannot discard your old battery via the normal refuse – please take it to a recycling centre with a special section for batteries or the municipal dump.
- Work in well ventilated areas.
- Do not wear jewellery or watches that can conduct electric current.
- Never place your tools on a battery as this can lead to a short circuit and potentially fire.

Installing Conventional Lead/Acid Batteries

1. Place the battery on a flat solid base and remove the red ventilation plug at the side.
2. Remove the lid of each of individual battery cell and add acid to each cell to the marking "Max". A small funnel or an acid dispenser bottle can be very helpful. Leave the battery with the battery cell lids removed for up to an hour. If the acid level had fallen after an hour, refill with acid to the "Max" indicator, but no more.

3. The battery should be charged fully with a suitable motorcycle battery before the first start attempt. The charging current should NOT be higher than 10% of the battery capacity. This would be a maximum charging current of 1 amp for a battery with a capacity of 10 Ah.
4. After successfully charging the battery, leave it for approx. 2 hours with the cell lids open so that any gas can evaporate. After 2 hours the liquid level may again fall below the "Max" indicator; from here on please ONLY use distilled water to top up.
5. Close the battery cells and fix the battery into cleaned battery tray/clamps on your motorcycle. Avoid tilting the battery as acid can easily flow out of the venting port on the side. Attach the ventilation tube to the venting port of the battery and ensure it is routed without kinks or sharp bends in the tube. Make sure that any gas build up can escape freely! A battery that cannot vent out gas is prone to bursting and causing acid damage.
6. Clean your motorcycle's positive and negative wire ends with a wire brush and attach them to the battery. Please Note: Attach the positive terminal first and then the negative terminal. Cover the screws and terminals lightly with the enclosed grease. Do not over-tighten the screws with excessive force; Battery terminals can be over tightened and buckle resulting in damage to the battery.
7. Check the liquid level once a month and correct it using ONLY distilled water. Do not fill above the "Max" marking.
8. Always remove the battery before charging and remove the cell lids during the charging process. If possible leave the battery after the charge has completed open for 2 hours before sealing the lids and installing it again.

Installing Self-Sealed Maintenance-free Batteries

Use only if this type of battery is recommended by your motorcycle manufacturer.

- Put the battery onto a flat, solid base and remove the red protection foil from the battery of cell lids.
- Take the special battery acid dispenser from the cardboard box and press it into the cell openings of the battery as far as it will go. **Please Note: Do NOT manually remove the silver foil covering the six cell openings. The foil is pierced automatically when the acid container is pushed on.**
- The acid will slowly discharge into the battery cells. If the flow interrupts, you can help it restart by lightly tapping the container. **Please Note: Do NOT pierce or squeeze the acid container or any section of it. The flow is intentionally slow to ensure the battery cells fill up evenly and without air pockets.** Only the special acid (sulphuric acid density 1/32 kg/l) supplied with the battery may be used. The acid density is higher for this type of battery and the acid dispenser delivered with the battery contains exactly the right quantity and type. Adding acid with another density or distilled water to the battery cells will render the battery useless. Equally, do not use this acid for other batteries, all of which are likely to use different densities for proper functioning.
- **The container must remain attached to the battery for a min. of 30 minutes. Before you remove the acid container, take care that all acid from each container cell has flowed into the battery.**
- After the filling stage is completed, use the enclosed black sealer strip and press it with both hands firmly into the battery cell openings. The sealer strip must be level with the battery lid and should not stand proud anywhere along its length.
- Once the battery is sealed, it may NOT be opened again! Opening the battery now will lead to defective performance. Checking or refilling the acid levels is not possible and is not necessary.
- The battery is charged fully with a suitable motorcycle battery before the first start attempt. The charging current should NOT be higher than 10% of the battery capacity. This would be a maximum charging current of 1 amp for a battery with a capacity of 10Ah.
- Clean your motorcycle's positive and negative wire ends with a wire brush and attach them to the battery. Please Note: Attach the positive terminal first and then the negative terminal. Cover the screws and terminals lightly with the enclosed grease. Do not over-tighten the screws with excessive force; Battery terminals can be over tightened and buckle resulting in damage to the battery.

Always remove the battery before charging.

Installing Factory-Sealed Maintenance-free Batteries

Use only if this type of battery is recommended by your motorcycle manufacturer

- The battery is already filled with acid and sealed by the battery manufacturer. Under no circumstances should the battery ever be opened! The battery is charged fully with a suitable motorcycle battery charger before the first start attempt. The charging current should NOT be higher than 10% of the battery capacity. This would be a maximum charging current of 1 amp for a battery with a capacity of 10 Ah.
- Clean your motorcycle's positive and negative wire ends with a wire brush and attach them to the battery. Please Note: Attach the positive terminal first and then the negative terminal. Cover the screws and terminals lightly with the enclosed grease. Do not over-tighten with excessive force. Battery terminals can be over tightened and buckle resulting in damage to the battery.