

OPERATING INSTRUCTIONS

Always check the following before mounting the battery!

Conventional batteries

Dear Customer,

DELO batteries are made exclusively for Louis at one of the most cutting-edge battery manufacturers in the world. The highest quality standards and continuous testing in the works laboratory ensure maximum reliability and cranking power.

To ensure that your new vehicle battery gives you long and reliable service, please carefully read through the operating instructions, and the safety instructions in particular, and make sure you follow all instructions exactly. Failure to do so may cause serious damage to the battery and your vehicle.

We wish you every success and enjoyment with your DELO battery and a sunny motorcycle season.

Yours sincerely,

The Louis team

1. General rules:

Always check the following before installing your battery!

Correct battery type: Always ensure that the battery you are installing is the correct type for your vehicle, and is approved for your model by the vehicle manufacturer. You can generally do this by looking in your vehicle handbook or by checking the designation on your old battery (e.g. YTX9-BS). We strongly advise against installing a maintenance-free battery in a vehicle that is fitted with a conventional battery as standard and vice versa. The alternator and regulator of the vehicle are designed exclusively for the manufacturer-approved battery type and its specific charging current. Use of the wrong battery may therefore mean that the charging current is too high or too low, which may permanently damage the battery.

Charging: In spite of being factory pre-charged, the battery must always be 100% fully charged prior to installation in the vehicle. This must be carried out using a suitable motorcycle charger. Failure to do so will shorten the service life of your battery considerably and may damage the battery. Never use a car battery charger to charge your motorcycle battery. These deliver an excessively high charging current that would overload the comparatively small motorcycle battery and cause irreparable damage. Only use chargers that are specifically designed for motorcycle batteries. The charging current must not be higher than 10% of the battery capacity (i.e., for a battery capacity of 10 Ah, a maximum charging current of 1 amp). Louis offers a wide range of suitable „smart“ chargers, such as the ProCharger product range.

If a DELO conventional battery sits idle for a prolonged period (more than a month), it should be kept permanently connected to an automatic charger to provide a maintenance charge and prevent discharge/deep discharge. It is sufficient to top up the charge every four weeks. For winter storage, you should remove the battery from your motorcycle. Disconnecting the battery from the electrical system also protects against deep discharge caused by any leakage currents or hidden loads.

Storage: Discharged batteries can freeze, so batteries should always be stored fully charged in a frost-free environment.

2. Commissioning and installation (only if approved by the motorcycle manufacturer): Prior to commissioning the battery, always check the following:

- 1: Does the battery fit your vehicle? Are the dimensions correct (height x width x depth)?
- 2: Are the positive and negative terminals in the right position?
- 3: Does the battery have the right voltage (V = volt)?
- 4: Does the battery have the correct capacity (Ah = ampere-hours)?

Place the battery on an even surface and make sure you remove the red vent plug on the side to free up the vent hole. Then remove the yellow sticker from the battery terminal. Remove the caps of the individual cells (3 caps for 6 V, and 6 caps for 12 V batteries) and fill the battery with acid up to the „Maximum“ mark. Always use a small funnel or an acid bottle for this task. Suitable battery acid (sulphuric acid density 1/28 kg/l) can be obtained from any Louis store or from the Louis Online Shop. You will find the required quantity of acid on the side of the battery's packaging. Once you have filled it with acid, leave the battery open for an hour before inserting the caps. If the acid level has dropped after an hour, top up as necessary, but do not exceed the „Maximum“ mark. In spite of being factory pre-charged, the battery must always be 100% fully charged prior to installation. This must be carried out using a suitable motorcycle charger. After charging, the battery should be left open for approx. 2 hours to allow the vapours to escape.

If, after charging, the fluid level has fallen below the „Maximum“ mark, this may only be topped up with distilled water, never with battery acid. Then replace the battery caps and firmly secure the battery in the clean battery compartment. Do not tilt the battery, as acid can otherwise escape through the vent hole. The battery must be securely mounted in the motorcycle!

Connect the supplied vent hose to the battery and connect to the vehicle, making sure that there are no kinks. Make sure that the battery can degas! If degassing is prevented (e.g. by a kinked hose), the battery cable may burst and cause acid damage! Always connect the battery using the terminal screws supplied. It may be advisable to use terminal grease to protect the terminals against corrosion. Prior to connection, clean the cable terminals of the battery with a wire brush (corroded terminals can cause the motorcycle's electrical system to malfunction!). Do not use excessive force to tighten the screws, as this may distort the battery terminals and damage the battery.

When connecting the battery, always connect the positive cable first, then the negative cable to their respective terminals. Correspondingly, when removing the battery, always disconnect the negative cable first, then the positive cable. Check the fluid level in the battery at least once a month, and if necessary, top up with distilled water (never use battery acid). Do not fill above the „Maximum“ mark.

To charge the battery, always remove it from the vehicle and remove the caps. After charging, the battery should be left open for approx. two hours to allow the vapours to escape before re-inserting the caps as previously described and re-installing in the vehicle.

3. Important information concerning your warranty:

- Please carefully read these operating instructions, including the safety instructions, and follow them exactly. Failure to do so may cause serious damage to the battery and your vehicle that is not covered by the warranty.
- Always ensure that the battery you are installing is the correct type for your vehicle, and is approved for your model by the vehicle manufacturer. Failure to do so may result in damage to the battery and your vehicle that is not covered by the warranty.
- If the battery is not used for a prolonged period (more than a month), it must be constantly fully charged using a suitable charger. Deep discharge and/or a poorly maintained battery will not be covered by the warranty/good will and do not constitute grounds for complaint!

4. Warning and safety instructions:

- Always follow the instructions on the battery, in these operating instructions and in the vehicle manual!
- Fire, naked flames and smoking are prohibited in the vicinity of the battery! A highly explosive gas mixture is produced when charging the battery!
- Take care to prevent sparking caused by handling cables and electrical devices, or by electrostatic discharges! Do not wear electrically conductive jewellery.
- Exercise caution when working! Take care not to cause short-circuits.
- Explosion and fire hazard: Warning! Metal parts of the batteries are always live, for this reason never place foreign objects or tools on the battery!
- Always wear protective gloves and goggles when working on the battery! Battery acid is highly corrosive!
- First aid: In the case of contact with eyes, rinse immediately with clean water for several minutes! Seek medical attention immediately.



Read the instructions



Fire, naked flames and smoking prohibited



Wear protective goggles



Keep away from children



Battery acid!



Explosive gas