



ERSTAUSRÜSTER-QUALITÄT SEIT 1980

MAINTENANCE-FREE
delivered dry with acid pack

OPERATING INSTRUCTIONS

Always check the following before mounting the battery!

Maintenance-Free, delivered dry with acid pack

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.

Maintenance-free, unfilled DELO AGM batteries with acid pack have low self-discharge, and therefore do not necessarily have to be kept permanently on trickle charge when not in use on your motorcycle. It is sufficient to top up the charge every four weeks. If unused for a prolonged period (more than a month), and especially over the winter, the battery must be charged with a suitable automatic charger to prevent it becoming deeply discharged (below 10.5 V), causing damage. 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. Nevertheless, if deep discharge occurs in spite of these precautions, you should use a suitable automatic charger that is designed for motorcycle batteries and is able to adapt the charging current to the state of your battery. This type of charger delivers the somewhat higher initial voltage needed to recover a deeply discharged battery. Almost all the ProCharger chargers from the Louis range are ideal for this job.

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: Do 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 completely remove the red protective film on the cell openings of the battery cover. Then remove the yellow sticker from the battery terminal. Take the supplied acid pack out of the box and remove the plastic sealing strip. Keeping the acid pack straight, press it all the way into the cell openings of the battery. Do not remove the aluminium film on the openings of the six individual reservoirs prior to insertion. This film is automatically perforated when you press the acid pack into the battery openings. The acid now slowly flows into the battery cells. If the acid ceases to flow smoothly, tapping the container lightly should help. If tapping the acid pack from the top does not get the acid flowing, try squeezing the container very carefully to dispense the remaining acid into your battery. But you must take great care to make sure that no acid overflows. Once the acid is flowing, never squeeze the container to speed up the flow! The filling rate of the battery is limited by the design of the plates, and the rate of flow from the container is optimised accordingly.

Only the special acid supplied with the battery may be used for this purpose. The acid density is higher than that of conventional batteries and has been developed especially for these batteries. The acid pack supplied contains exactly the right amount required for your battery. Adding other battery acid or distilled water will cause irreparable damage to the battery. The container must be left on the battery to drain for at least 30 minutes. Before removing the acid pack, make sure that the acid has drained fully from all the reservoirs into the battery. Once the filling process is complete, push the enclosed black plastic cap strip fully into the battery openings, keeping it straight. The sealing cap strip must be completely flush with the battery housing and must not project at any point. Once the battery is sealed it must never be opened again! Subsequent opening of the battery will cause irreparable damage! It is not possible or necessary to check or top up the level of fluid in the battery.

Important! With this type of battery, the lead plates are not necessarily covered by the acid, as the acid is completely absorbed by the fleece. This does not mean that the plates are dry, and on no account must the battery be topped up with further acid or distilled water, as this would cause irreparable damage to the battery!

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. Then firmly secure the battery in the clean battery compartment. 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 cable 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.

3. Important information concerning your warranty:

- Please carefully read the 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 2 months), it must be regularly 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: Caution! Metal parts of the batteries are always live; for this reason never place foreign objects or tools on the battery!



Read the instructions



Fire, naked flames and smoking prohibited



Wear protective goggles



Keep away from children



Battery acid!



Explosive gas

If you have any questions about these instructions or the use of the product, please contact the Louis technical support team before assembling or using the product. You can do this via e-mail: technikcenter@louis.de or by fax: 00 49 (0) 40-73 41 93 58. We will be pleased to provide prompt assistance. This is the best way to ensure that your product is assembled properly and used correctly.