

MOBILICAB



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Golf cart battery maintenance

First of all, Club Car golf carts have 4 or 6 batteries that propagate a force of 36 volts or 48 volts.

- 6 batteries of 6 volts for 36 volts
- 6 batteries of 8 volt for 48 volt
- 4 batteries of 12 volt for 48 volt

For your new batteries to operate at their maximum capacity, you need to have recharged them 20 to 50 times, depending on use. In addition, it is important that you fully charge your batteries before their first use, after storage and if the vehicle is used every day.

By using your cart every year, the batteries last for about 8 years (this estimate depends on how well you maintain your batteries). This is because the year of the batteries is displayed by its last digit and the months are displayed with letters. For example, a battery installed in June 2016 will be indicated by F6.

You have to be aware that the less the batteries are maintained, the less electrolytes they have. The decrease in the amount of electrolytes weakens their performance. In addition, it is not recommended to install new batteries with old ones to prevent the new ones from being drained.

IT IS IMPORTANT AND PRIMORDIAL TO WEAR PROTECTIVE GLASSES AND GLOVES TO AVOID BURNS!

- Before you start, protect the body of your cart located near the batteries. Indeed, if a splash of electrolyte (acid) gets on the body, it will burn.
- **It is important to turn the step adapter to TOW before starting.**
- Check the water level in the batteries. Add water if necessary only AFTER charging the batteries.
- The water should only reach above the battery plates (1 to 1.5 cm). It is important not to fill the water to the stopper to avoid acid overflow (if you accidentally overfill them, take a pear-like instrument and squeeze out the excess water). On the other hand, if the

- batteries are not full enough, they will be damaged more quickly. In addition, it is advisable to use distilled or demineralized water (bottled water, not tap). Checking the water in the batteries is necessary once a month or more depending on the use of the cart.
- Check if the battery cables are tight to maximize their performance and avoid resistance that can cause the pole to overheat until the controller pops (\$\$\$). Be careful, do not over tighten them so as not to break the terminals.
 - Clean the battery terminals with a wire brush or fine sandpaper to remove the sulfate (grayish / whitish residue). This step allows the batteries to efficiently store current. If you find that the terminals are damaged, replace them.
 - Using a cloth, absorb the water on the batteries and dust off the dirt (We do not recommend cleaning the batteries with a water jet to avoid the chances of damaging the body of the cart with the battery acid.)
 - Apply a protective spray to the battery terminals.



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Winter storage

Prepare your cart for extended storage

Two or three weeks before winter storage, you should check the water level in the batteries. Note that it takes about five recharging cycles to thoroughly mix the water and electrolyte.

* Do not add water to batteries immediately before storage, they may freeze when stored in this condition.

Check the water level in each battery cell. If you need to add water, fill the cells to cover the plates, charge the batteries, and use distilled water. The electrolyte level should be between 0.5 inches above the plates and 0.25 inches below the level indicator.

Immediately before storage:

1. The batteries must be clean, fully charged and free from rust. Clean the top and terminals of the batteries with a solution of baking soda and water (1 cup of baking soda per 3.8 liters of water). Rinse the batteries to remove the solution. Make sure that the solution does not get into the batteries. Allow the terminals to dry, then coat them with spray battery terminal protector.
2. Tighten all battery cable connectors to 110 in - lbs.
3. Carry out all periodic lubrication operations.
4. Store the vehicle in a cool, dry place.
5. Do not activate the parking brake. Chock the wheels to prevent the vehicle from rolling.
6. Disconnect the batteries for storage, disconnect the negative (-) B battery cable, and tie it so that it does not contact the battery terminals.

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Gear maintenance

It is important to do the maintenance differential gears once a year.
Maintenance is essential to maximize the durability of your Club Car cart!

Here are the steps:

1. Stably elevate your cart
2. Unscrew the differential cap using a 3/4 or 14 mm wrench (depending on the model of cart you have)
3. To assess the oil level in the differential, take a ty-rop and bend the tip.
4. Enter the ty-rop and approximate the amount of oil to add.
5. Add 8090 differential oil until a small drop overflows.
6. Before screwing the cap back on, check the aluminum sealing washer on the cap.

Screw the cap back on firmly with the 3/4 or 14mm wrench.

WARNING !! The cap should not be tightened too strongly so as not to break the threads of the cap.

Need help or to make an appointment, contact our mechanical service at 450-546-0999 ext. 243.

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Brake maintenance

It is important to do the maintenance brakes once a year. Maintenance is essential to maximize the durability of your Club Car cart!

Here are the necessary steps:

- A. Raise your cart steadily using a lifter.
- B. Remove the wheels from the cart.
- C. Remove the drum
- D. Using an air gun and brake remover, clean the shoulder and brake bands.
- E. Lightly sand the brake bands.
- F. Remove excess dust with the air gun.
- G. Using white grease, lubricate moving parts. More precisely the shoulders of the brakes and the slide.
- H. Using your palms, hit the brake bands about ten strokes so that they are able to move. We do not want the tapes to get stuck, which could cause a defect.
- I. Put the drum back on
- J. Test the brake latch by turning the drum, to make sure the brake is working properly.
- K. Check the brake cable for damage. If so, it must be changed.

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Preparing your cart before summer

Operating your cart after winter storage, the steps to follow:

Electric carts:

1. Reconnect the batteries and turn the switch to "RUN"
2. Check nuts for tightness (12.4 N.m.) and coat with terminal protector to minimize corrosion.
3. Make sure the electrical circuit breakers are still on.
4. Check that the charger is working.
5. If necessary, add distilled water to the battery cells so that the pads are submerged by about 2 millimeters.
6. If possible, charge the cart at least 2 times before the first uses.
7. Adjust the tire pressure to 22 psi.

Gasoline carts:

1. Restore the fuel system by emptying the tank, unless conditioner was added before storage. Occasionally, residue builds up which can eventually obstruct the intake lines to the engine.
2. Use only gasoline with an octane number of 87% with no more than 10% ethanol.
3. Check that the reservoir valve is in the open position and that the spark plug wire is securely in place.
4. Reconnect the battery. (Which was disconnected beforehand.)
5. Adjust the tire pressure to 22 psi.
6. Check or replace engine oil if not done prior to winter storage.

You need parts for the maintenance of your cart, you will find our parts online.

Need a change before the summer season? Several accessories are available to enhance your cart.

Our service manager is also available to answer your questions or schedule an appointment for the maintenance of your cart. Our technicians are all Club Car certified!