

How to charge, battery car questions when the car is dead

In this article, TipsMake.com will show you how to charge and how to battery car when the car is dead.

Car batteries are an important car accessory, responsible for storing and supplying power to the car. If the battery is damaged or out of power, the car will not be able to start and move. In today's article, TipsMake.com will guide you how to check, disassemble and how to charge and battery car when the car is dead. Let's find out!

content

1. Signs that car batteries are having problems
2. How to check car battery
 1. Method 1: Check battery with voltmeter
 2. Method 2: Check the battery with electric detectors
 3. Method 3: Check the battery by starting the machine
3. How to charge a car battery with a charger
4. How to battery car when the car stalled in the middle of the road
5. How to disassemble to replace the car battery

Signs that car batteries are having problems

Just like humans, car batteries when 'sick' will show certain signs. Here are some common signs that your car battery is having problems:

1. Battery warning light lights up.
2. Engine starts weak, just inched up slightly or can't start.
3. The engine is not rotating, there are no lights on the dashboard.
4. Battery shell is edged, deformed.
5. Battery eye is black or white.



The engine cannot start when the battery is out of power or broken

Reference: What is battery? What types are available?

How to check car battery

To check your car battery, you can use one of the following methods:

Method 1: Check battery with voltmeter

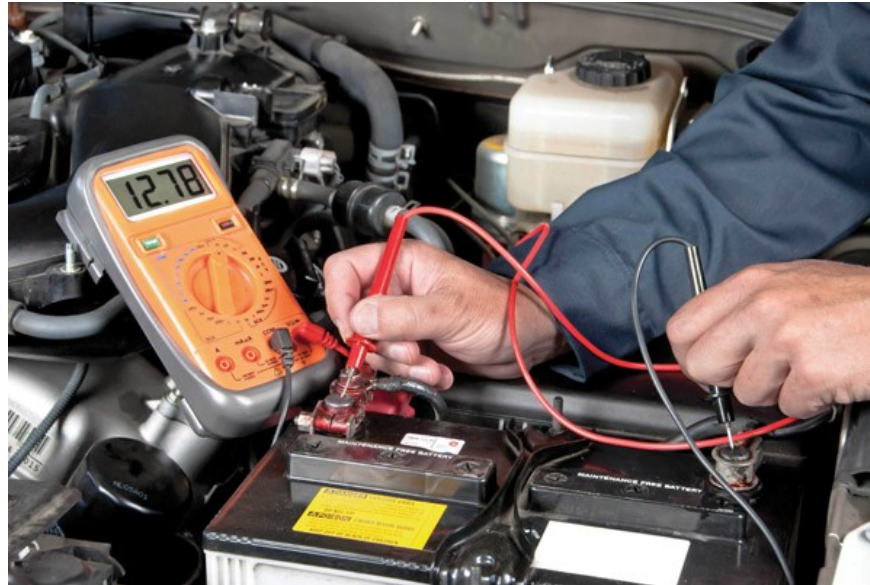
Step 1: Turn off the car switch.

Step 2: Remove the positive terminal of the battery, then check and clean the terminals.

Step 3: Connect the positive end of the voltmeter (usually red) to the positive battery. Connect the negative end of the voltmeter (usually black) to the negative battery.

Step 4: Check the voltmeter.

1. If the measurement on the voltmeter is between 12.4 and 12.7V, the battery is in good condition.
2. If the voltage is lower than 12.4V, the battery needs to be charged. In case the voltage is lower than 12.2V, you need to conduct 'small current charge' or slow charge for the battery. After completing the charging, you must check again.
3. If the voltage is too high (over 12.9V), turn on the car's headlights to reduce the pressure.



Check battery with voltmeter

Method 2: Check the battery with electric detectors

Step 1: Remove the positive battery cover.

Step 2: Connect the positive end of the detector (usually red) to the positive battery. Connect the negative end of the detector (usually black) to the negative battery.

Step 3: Put the probe of the probe into the positive battery and then read the voltage measurement. If the voltage measurement is between 12.4 and 12.7V, the battery is in good condition.



Check the battery with electrical detectors

Method 3: Check the battery by starting the machine

Step 1: Ask someone to start the machine by turning the key switch until the engine starts, keeping the key still for 2 seconds.

Step 2: While the engine starts, check the measurements of the electric detectors. Normal voltage measurements will be at 9.6V and above. If the voltage measurement is below 9.6V, your car battery is sulfated, resulting in an inability to maintain or receive current.



Check the battery by starting the device

How to charge a car battery with a charger

To be able to charge car batteries safely and effectively, you need to accurately identify the positive and negative poles of the battery. Usually, the positive battery will be denoted (+), red or yellow; while the negative battery will be denoted (-), black. Here's how to charge your car battery with a charger that you can refer to and apply:

Step 1: Before proceeding with charging, you need to disconnect the battery. You first disconnect the cathode, then to the anode. If you have trouble operating, you can take the battery out of your car.

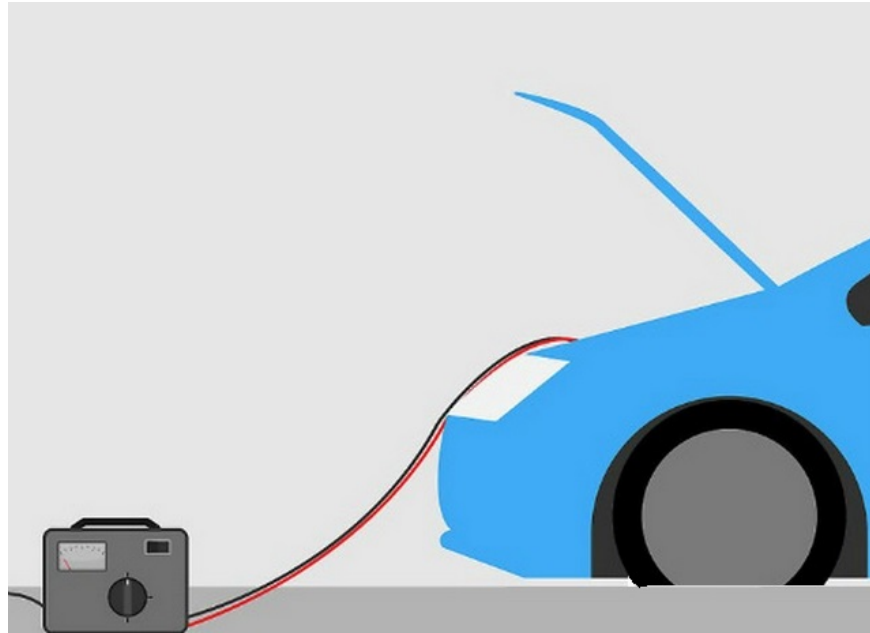
Step 2: You connect the car battery charger to the power outlet, then adjust the output voltage button.

Note: We should adjust so that the voltage on the charger shows the floating charging voltage to compensate for the oscillation process. For example, with a 6V acid battery, you should adjust the floating voltage to 6.51V.

Step 3: Adjust the charging current to 0 and then connect the charger to the battery with the polarity: Connect the black cable, marked (-) on the charger to the negative (-) of the battery; Connect the red, marked cable (+) of the charger to the positive (+) on the battery.

Step 4:

1. With traditional chargers, you need to measure the output current. In addition, during charging, you should monitor regularly, avoid overloading the battery power source, causing bottle to bottle.
2. With a digital charger, you don't have to measure or adjust your current. Because this device will display information during charging and have the system disconnect itself.



How to charge a car battery with a charger

How to battery car when the car stalled in the middle of the road

Battery car is actually a way to charge the battery but do not use the charger, but get electricity from other car batteries. This method is often used in case the car runs out of battery and stalled in the middle of the road.

To be able to conduct sentences, you need to prepare the battery car battery line (battery line). The battery is usually composed of 2 separate strands, including 1 red thread to connect to the positive battery (+), 1 black thread to connect the negative battery (-). When buying fishing line, you should choose about 2m long and have clamps available for easier use.

How to sentence car batteries as follows:

Step 1: Find another car that has enough battery power and ask for a battery. Before fishing, you need to turn off all equipment on 2 vehicles.

For ease of description, the following, we will specify:

1. A: It's a broken engine, fishing rod thanks to battery.
2. B: It's an ambulance, give a battery

Step 2: Open the bonnet of two cars and conduct two batteries connected together:

1. Clamp one end of the red fishing line with the positive pole on the battery of car A. Note: When clamping, do not let the other red fishing line end touch the ground or touch the body of the car as it could be dangerous.
2. Clamp the other end of the red fishing line with the positive pole on the battery of car B.
3. Attach one end of the black fishing line to the cathode on car battery B, the other end clamp to the unpainted metal part on car A.

Step 3: Start car B in about 5 minutes.

Step 4: Start car A.

Step 5: If vehicle A starts successfully, you will proceed to remove the fishing line:

1. Remove the black line clip in car A, then the black line clip in car B.
2. Remove the red line clamp at car B, then the red line at the end of vehicle A.

Note: Do not let the two ends touch the red line or the car body.

Step 6: Let engine A drive idle for about 20 - 30 minutes. During this time, you need to turn off all electrical equipment so that the electricity generated by the generator will charge the battery.



How to battery car when the car stalled in the middle of the road

How to disassemble to replace the car battery

In many cases, the battery is broken, unable to store or receive current. If this is the case, you need to replace the battery.

You can refer to the removable way to replace the car battery below:

Step 1: Park your car on a level ground, away from traffic, sparks and flames, and then pull the parking brake.

Note:

1. To ensure safety, avoid injury from electric current or acid in the battery, you need to wear gloves and goggles.
2. In the process of changing batteries, you must never smoke and make sure that the people there also do not smoke.

Step 2: Remove the old battery.

1. Open the bonnet, use the struts to keep the hood open (many newer cars now have a bonnet that automatically holds their position without a strut).
2. Locate old batteries. Usually, the battery is designed as a rectangular box with 2 spindles on top and will be placed on either side of the chassis. Some cars place batteries under the carpet in the body (such as BMW cars) or inside the fenders (like Chrysler cars).
3. Distinguish the positive (positive) piles (on the battery).
4. Use a spanner to remove the negative battery of the battery first, then the positive. Note: Do not remove the positive lead of the battery first to avoid short circuit.
5. Get old batteries out of the car.

Step 3: Install a new battery.

1. Clean the connectors and battery tray. In case the terminals are worn out, you should replace it with a new one.
2. Place the new battery inside the tray in the correct direction.
3. Close all connections to keep the battery safe and free from movement.
4. Reconnect the connectors to the stakes of the new battery in the opposite order from when you removed the old battery. That is, you need to connect the positive pole first, then the cathode.
5. Spray anti-corrosion solution on the piles.

Step 4: Close the bonnet, start the car and check the parts to make sure everything is working normally.



Replace the battery

Hopefully after our article, you will know how to check, how to charge, battery car questions as well as how to replace batteries when broken. Thank you for your interest and follow up the article!

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