BEETRO BE0091

BEETRO Electric Car Jack Kit User Manual

Model: BE0091 | Brand: BEETRO

Introduction

Thank you for choosing the BEETRO Electric Car Jack Kit. This versatile 4-in-1 tool is designed to assist with emergency tire changes and vehicle maintenance, combining an electric car jack, tire inflator pump, LED working light, and warning light. It also includes a portable electric wrench for efficient lug nut removal and installation. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your BEETRO Electric Car Jack Kit.
The kit is suitable for most vehicles under 5 tons, including Sedans, SUVs, and MPVs, and is powered by your car's cigarette lighter or battery.

Safety Information

Always prioritize safety when operating the BEETRO Electric Car Jack Kit. Failure to follow these instructions may result in property damage, injury, or death.

- **Read the Manual:** Read and understand all instructions and warnings in this manual before using the product.
- **Vehicle Stability:** Ensure the vehicle is on a flat, stable, non-sloping surface. Engage the parking brake and place wheel chocks on the wheels that will remain on the ground.
- **Proper Jack Points:** Always use the vehicle manufacturer's recommended jacking points. Refer to your vehicle's owner's manual.
- **Load Capacity:** Do not exceed the 5-ton (11000 lbs) load capacity of the jack. This kit is not suitable for trucks or vehicles over 5 tons.
- **Power Source:** Start the car engine before operation to ensure sufficient power supply to the unit.
- **Clear Area:** Keep hands, feet, and other body parts clear of the jack and vehicle when operating. Do not place any part of your body under a vehicle supported only by the jack. Use jack stands for prolonged support.
- **Overload Protection:** The jack is equipped with automatic stop features for height limitation and overload. Do not attempt to bypass these safety mechanisms.
- **Electrical Safety:** Do not expose the unit to rain or wet conditions. Ensure all connections are secure before

operation.

- **Storage:** Store the kit in its durable case in a dry, safe place away from children.

Package Contents

The BEETRO Electric Car Jack Kit includes the following components:



The complete BEETRO Electric Car Jack Kit, including the main jack unit, electric impact wrench, and accessories, neatly organized in its carrying case.

- Electric Car Jack (Main Unit)
- Electric Impact Wrench
- Power Cable (11.5 feet) with Cigarette Lighter Plug
- Battery Clamp Connector
- Two Wrench Sockets (17mm/19mm and 21mm/23mm)
- Safety Hammer
- Pair of Gloves
- Small Hexagonal Wrench
- Spare Fuses
- Inflatable Nozzles (3 types)
- User Manual (this document)
- Durable Carrying Case (doubles as a warning road sign)

Setup

Before using the BEETRO Electric Car Jack Kit, ensure proper setup for safe and efficient operation.

1. **Prepare the Vehicle:**
    - Park the vehicle on a firm, level surface.

- Engage the parking brake.
- Place wheel chocks on the wheels that are not being lifted to prevent accidental movement.
- Turn off the engine, unless using the cigarette lighter power source, in which case the engine should be running to ensure sufficient power.

2. **Connect Power:**

   The kit can be powered by either the vehicle's cigarette lighter socket or directly from the car battery using the provided battery clamp connector.



Connecting the power cable to the vehicle's cigarette lighter socket.



The safety valve, located on the top of the jack, must be in the "Tight" position before operation.

Note: It is recommended to start the car engine before operation to ensure sufficient power, especially when using the jack or inflator pump.

3. **Adjust Jack Height (Manual Rotation):**

   The jack's saddle can be manually rotated to increase its initial height, allowing it to reach higher jacking points on certain vehicles. Rotate the saddle clockwise to extend it before placing the jack under the vehicle.



The jack's lifting range and the manual rotation feature for increasing initial height.

Operating Instructions

1. Electric Car Jack Operation

The electric jack simplifies vehicle lifting with push-button controls.

1. Place the jack directly under the vehicle's designated jacking point. Ensure the saddle is centered and securely positioned.
2. Press the "UP" button on the function panel to raise the vehicle. The jack will automatically stop when it reaches its maximum height or detects an overload.
3. Once the tire is clear of the ground, you can proceed with tire removal or other maintenance. For extended work under the vehicle, always use appropriate jack stands.
4. To lower the vehicle, press the "DOWN" button. Ensure the area around the jack is clear before lowering.



The electric jack in position, ready to lift a vehicle.



The jack's function panel for controlling lifting and other features.

Your browser does not support the video tag.

Demonstration of the BEETRO Electric Car Jack's lifting capabilities and features, including the function panel and safety valve.

2. Tire Inflator Pump Operation

The built-in tire inflator pump allows you to inflate tires or other inflatable items.

1. Open the side compartment of the jack to access the inflatable pump hose and nozzles.
2. Select the appropriate nozzle for your item (tire, ball, etc.) and attach it to the pump hose.
3. Connect the hose to the tire valve.
4. Press the "Inflating Function" button on the function panel to start the pump. Monitor the pressure gauge to reach the desired PSI.
5. Once inflated, turn off the pump and disconnect the hose.



Using the built-in tire inflator pump to inflate a car tire.

3. Electric Impact Wrench Operation

The portable electric impact wrench makes removing and tightening lug nuts quick and effortless.

1. Select the correct size wrench socket (17mm/19mm or 21mm/23mm) and attach it to the 1/2" anvil of the electric wrench.
2. Connect the electric wrench to the power source (cigarette lighter or battery clamps).
3. Set the forward/reverse switch to the desired direction (reverse for loosening, forward for tightening).
4. Place the socket onto the lug nut and press the trigger.*Note: Keep pressing the switch; do not release it during working.*
5. After tightening, it is recommended to manually check the lug nuts with a torque wrench to ensure they are tightened to your vehicle's specifications.



Operating the portable electric impact wrench to remove lug nuts.

4. LED Working Light and Warning Light

The kit includes integrated lighting for convenience and safety during roadside emergencies or night work.

- **LED Working Light:** Located on the front of the jack, this light illuminates your work area. Activate it using the dedicated switch on the function panel.
- **Warning Light:** Red and blue warning lights are located on the sides of the jack, providing visibility to oncoming traffic. These can be activated via a separate switch.
- **Carrying Case as Warning Sign:** The durable carrying case features a red triangle on its surface, which can be used as a warning road sign by placing it behind your vehicle during an emergency.



The LED working light and warning lights provide illumination and visibility.

Maintenance

Proper maintenance ensures the longevity and reliable performance of your BEETRO Electric Car Jack Kit.

- **Cleaning:** After each use, wipe down the jack, wrench, and accessories with a clean, dry cloth to remove dirt, dust, and moisture. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Always store all components neatly in the provided carrying case. Store the case in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly inspect the power cable and connectors for any signs of damage, fraying, or corrosion. Do not use the kit if the cable is damaged.
- **Hydraulic Fluid (Jack):** The hydraulic system of the jack is sealed and generally does not require user maintenance. If you notice any fluid leaks, discontinue use immediately and contact customer support.
- **Fuses:** The unit is protected by fuses. If the unit stops working, check and replace the fuses located in the side

compartment if necessary. Use only fuses of the specified rating.

Troubleshooting

If you encounter issues with your BEETRO Electric Car Jack Kit, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Jack or Wrench does not power on.	No power from vehicle socket. Blown fuse. Loose connection.	Ensure car engine is running for sufficient power. Check vehicle's cigarette lighter fuse. Replace the kit's internal fuse (located in the side compartment). Ensure power cable is securely connected.
Jack stops lifting prematurely or does not lift.	Overload (vehicle too heavy). Reached maximum lifting height. Safety valve not fully tightened.	Verify vehicle weight is within 5-ton capacity. The jack automatically stops at max height; this is normal. Ensure the safety valve is turned to the "Tight" position.
Tire inflator pump is slow or not inflating.	Hose leak or improper connection. Insufficient power.	Check all hose connections for tightness. Ensure car engine is running.
Electric wrench not loosening/tightening lug nuts effectively.	Incorrect socket size. Forward/reverse switch set incorrectly. Insufficient power. Lug nuts are excessively tight (e.g., overtightened by pneumatic tools).	Use the correct socket size for your lug nuts. Ensure the switch is set to "Reverse" for loosening or "Forward" for tightening. Ensure car engine is running. For extremely tight lug nuts, manual leverage may be required first.
Hydraulic fluid leak from jack.	Internal seal damage.	Discontinue use immediately. This requires professional repair or replacement. Contact customer support.

Specifications

Detailed technical specifications for the BEETRO Electric Car Jack Kit:

Feature	Specification
Model Number	BE0091
Load Capacity	5 tons (11000 lbs)
Lifting Range	6 inches - 17.7 inches
Power Source	DC 12V (Cigarette Lighter or Car Battery)

Feature	Specification
Power Cord Length	11.5 feet
Item Weight	10.25 pounds
Product Dimensions (L x W x H)	12.6 x 5.51 x 6.1 inches
Special Features	Warning light, LED working light, Tire Inflator Pump
Included Wrench Sockets	17mm/19mm, 21mm/23mm

Warranty and Support

For warranty information, technical support, or any questions regarding your BEETRO Electric Car Jack Kit, please contact BEETRO customer service. You can find contact details on the official BEETRO website or through your purchase platform.
For more information, visit the official BEETRO Store on Amazon.

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