

STRONGWAY™

900 PEAK AMP JUMP STARTER WITH 250 PSI AIR COMPRESSOR

Owner's Manual



⚠ WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Item #6106068

SAVE THESE INSTRUCTIONS

Thank you very much for choosing a Strongway product!

For future reference, please complete the owner's record below:

Serial Number/Lot Date Code: _____

Purchase Date: _____

Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This product is designed for certain applications only. Northern Tool and Equipment is not responsible for issues arising from modification or improper use of this product such as an application for which it was not designed. We strongly recommend that this product not be modified and/or used for any application other than that for which it was designed.

For technical questions, please call **1-800-222-5381**.

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WARNING

• **Risk of Electric Shock, Fire and Explosion**

- Read the entire manual before using this product. Follow the instructions in this manual and the instructions provided by the manufacturer of the battery you are connecting to as well as the vehicle you are jump-starting or powering.
- Keep out of reach of children.
- Do not use if the case, cables, or clamps are damaged.
- Charge unit each 3 months to avoid battery inside the unit to freeze.
- Never attempt to jump-start a frozen battery.
- Do not touch the clamps together or to the same piece of conductive metal.
- Do not disassemble. No user-serviceable parts inside. Refer to the service section of this manual.
- Use in conjunction with lead-acid batteries only. Do not use it for dry cell batteries or other battery types such as lithium-ion, nickel hydride, or others.
- This product is intended for negative ground applications only.
- **DO NOT USE ON POSITIVE GROUND SYSTEMS.**
- Be careful with tools around lead-acid batteries; do not drop tools on battery sparks or an explosion could result.

WARNING

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the jump starter.
- Do not use the unit while you are tired or under the influence of drugs, alcohol, or medication.
- Dress properly. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing, and gloves away from the battery.
- Wear rubber gloves and protective clothing when working around lead-acid batteries.
- Wear the proper personal protective equipment when necessary. Use ANSI Z87.1 compliant safety goggles (not safety glasses) with side shields, or when needed, a face shield.
- Ensure the power switch is off after each use.

WARNING

WORK AREA SAFETY

- Inspect the work area before each use. Keep the work area clean, dry, free of clutter, and well-lit.
- Cluttered, wet, or dark work areas can result in injury. Using the product in confined work areas may put you dangerously close to cutting tools and rotating parts.
- Do not use this jump starter where there is a risk of causing a fire or an explosion, e.g., in the presence of flammable liquids, gases, or dust. The product can create sparks, which may ignite flammable liquids, gases, or dust.
- Keep children and bystanders away from the work area while operating the tool. Do not allow children to handle the product.
- Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area. Some of these hazards may be hidden from your view and may cause personal injury and/or property damage if contacted.
- Do not submerge in water.

TECHNICAL PARAMETERS

Part Number	6106068
Input	14.6V
Output Voltage	12V DC
Boost Power	330A Cranking Amps
Peak Amps	900 Amps
Battery	17AH Sealed Lead-Acid, Rechargeable
Other Features	LED Work Lamp, Air Compressor, USB, and 12V DC Output

MAIN FEATURES

PEAK 900 AMP BOOST TO START DEAD BATTERY

Strong output power helps to start most 4 or 6-cylinder gas or diesel engine vehicles, enough power to jump-start your car, truck, SUV, motorcycle, boat, RV, ATV, or tractor; all without the need to use another vehicle for assistance.

250PSI AIR COMPRESSOR FOR TIRE INFLATION

This jump starter is equipped with a 180PSI air compressor to help inflate tires, sports equipment, or other items with low pressure, ideally for outdoor emergency use or standby compressor air source.

BRIGHT LED WORK LAMP WITH SOS FLASH MODE

The bright LED work lamp offers a continuous light source for working in dark environments or outside at night. SOS fast flash mode can be simply switched to by pressing the button for emergency use.

MULTIPLE DC OUTPUTS FOR ELECTRONIC DEVICES

2*12V DC output + 1*5V USB port offer DC power to charge carry-on electronic devices such as mobile phones, laptops, pads, or cameras.

PRODUCT ILLUSTRATION



1: 12V DC cigarette lighter outlet	2: Power switch
3: Work lamp button	4: Test/USB button
5: LED work lamp	6: 12V DC cigarette lighter outlet
7: 5V DC USB outlet	8: Air compressor gauge
9: Air compressor switch	10: Air compress or hose storage
11: AC charging plug	

ACCESSORIES

Accessories	Qty
Main unit	1
Charging Power Cord	1
Air Compressor accessories	1
Manual	1

BEFORE USE

Before using your jump starter, you should fully charge it.

Recharge every 3 months or after each use.

Fluctuations in temperature can accelerate battery discharge.

Check the unit often. Charge the unit using the provided AC power cord.

CAUTION

Use Your Jump Starter Safely

- If the unit is not fully charged, it may shut down under heavy load due to insufficient voltage.
- Failure to keep the internal battery charged will lead to permanent battery damage.
- TO PREVENT SERIOUS INJURY: Turn all switches to the OFF position before performing any inspection, maintenance, or cleaning procedures.

OPERATION INSTRUCTION

JUMP STARTING A 12V VEHICLE

- a. Turn the ignition off before connecting cables.
- b. Make sure the Power Switch on the front of the unit is in the OFF position until clamps are connected to the vehicle battery correctly.
- c. Connect the red (positive, +) clamp to the positive terminal or post on the vehicle battery.
- d. Connect the black (negative, -) clamp to the ground away from the battery, such as an alternator bracket.
- e. If the clamps are connected backward, the Connection Status Indicator LED beside the Power Switch will turn **Red & flash quickly**, and an audible **alarm** will sound. **DO NOT** turn the unit on, or it could cause serious damage. Reverse the connections, and the indicator LED will turn **Green** and the audible alarm will stop.

NOTE: Your jump starter is used for only 12V vehicles. If connected to a 24V vehicle, the Connection Status Indicator LED will turn Red & flash slowly and an audible alarm will sound. **DO NOT** turn the unit on, or it could cause serious damage.

- f. The Connection Status Indicator LED will turn Green after the connection is correct,

and turn the Power Switch to the ON position.

g. Start the engine for 3-5 seconds. If the engine does not start within 10 seconds, stop cranking and wait at least 4 minutes before attempting to start the vehicle again. This permits the battery to cool down and prevents damage to the unit and to your vehicle's system from overheating.

h. Turn the unit off and disconnect the clamps, first negative and then positive. Store clamps properly on the unit.

i. Recharge the unit after use.

USING AS A 12V POWER SOURCE

a. Connect the red (positive +) clamp to the positive input terminal and the black (negative -) clamp to the negative input terminal.

b. Make sure that clamps are connected correctly and firmly, and then turn the Power Switch to the ON position. The Connection Status Indicator LED will turn Green, and the unit will supply current to your device.

c. After using, turn the unit off, and then disconnect the clamps.

d. Recharge the unit after use.

USING 12V CIGARETTE LIGHTER POWER

The 12V DC cigarette lighter outlet is protected by a 15 Amps circuit breaker, which resets automatically.

a. Insert the 12V DC Cigarette Lighter Plug from the device into the Cigarette Lighter Outlet on the front panel, and the unit will supply current to your device;

b. To use the unit with an external power inverter:

- Turn the external power inverter (not included) off;
- Plug the 12V DC Cigarette Lighter Plug from the power inverter into the Cigarette Lighter Outlet.
- Turn the power inverter on.
- Plug the device into the power inverter. Use the below table to determine the approximate operating time.

AC-powered Products	Watts	Operating Time (Hours)*
Cordless telephone	5	35
Fluorescent work light	14	12
Laptop, computer, table lamp	40	3.5
13" color TV	60	1.5
Spotlight, DVD player, sump pump	100	1

*Operating time assumes a fully charged 17AH battery and may vary based on the model used.

- c.** Reverse these steps after use.
- d.** Recharge the unit as soon as possible.

NOTE: For best performance, make sure the unit is fully charged before use.

VOLTAGE TESTING

Fluctuations in temperature can accelerate battery discharge. Check the unit often.

- a.** Press and release the TEST / USB button and check the internal battery's voltage level according to three Battery Status Indicator LEDs.

- **Green Indicator LED flashes and audible alarm sounds**

This means the internal battery voltage is too high. Please check if the unit is on charge wrongly.

- **Green Indicator LED is solid on**

This means the unit is charged and ready to be used.

- **Yellow Indicator LED is solid on**

This means the unit needs to be charged as soon as possible.

- **Red Indicator LED is solid on**

This means the unit is never used and needs to be charged immediately.

- **Red Indicator LED flashes and audible alarm sounds**

This means the internal battery voltage is too low. The unit is never used and needs to be charged immediately.

- b.** Press and release the button again after test to prevent draining the battery needlessly.

CHARGING JUMP STARTER USING AN EXTENSION CORD

- a.** Unfold the AC charging plug on the back of the unit.
- b.** Plug the female end of the extension cord into the AC charging plug.
- c.** Plug the extension cord into a 120V AC wall outlet, and three Battery Status Indicator

LEDs are on gradually and repeatedly when the unit is on charge.

d. Continue charging until the Green Battery Status Indicator LED is kept on, and then reverse these steps when charging is finished.

NOTE: The charger will automatically shut off to prevent overcharging. Leave the unit plugged in to make sure it is charged for emergencies.

NOTE: Do not use while the unit is recharging. Disconnect from the charger before use.

CHARGING JUMP STARTER USING 12V CIGARETTE LIGHTER ADAPTER

The unit can be charged from a vehicle's 12V DC power supply. This method of recharging will not charge the unit as fully as when using the extension cord. This recharging method may also shorten the life of the unit's battery, so only use this method in an emergency.

a. Take out the Cigarette Lighter Adapter. The adapter has a cigarette lighter plug in both ends of the cord.

b. Plug one end into the 12V DC Cigarette Lighter Power Outlet.

c. Plug the other into the vehicle's cigarette lighter receptacle and operate the vehicle's engine to allow its alternator to charge the unit.

NOTE: The vehicle's 12V battery alone will NOT charge the unit, and the vehicle's engine needs to run.

NOTE: No charging indicator LED will show when using this charging method, so it is very important to check the battery voltage level often to avoid overcharge.

d. Store the Cigarette Lighter Adapter after using.

USING WORK LAMP

a. Press for 3 seconds and release the TEST/USB-button, the work light on the front of the jump starter will begin to work. During the use of the work light, the Battery Status Indicator LEDs will be on to show the battery voltage level as well as the USB power outlet provides an output.

b. Press and release the button again, the work light will flash for alert use.

c. Press and release the button again, the work light will shut off.

d. Recharge the jump starter as soon as possible after using the work light.

NOTE: When the internal battery voltage is too low, the work light & USB will be shut off automatically.

USING AIR COMPRESSOR

The air compressor is rated for 250 PSI.

a. Remove the air compressor hose from the storage position. Install adapters as

necessary.

- b.** Attach the air compressor hose to the product or accessory to be inflated.
- c.** Turn the COMPRESSOR Switch on and inflate the product.
- d.** When the product is inflated to the proper air pressure (using the air compressor gauge), turn the switch to the middle position and remove the hose.
- e.** Recharge the unit as soon as possible after using the air compressor.

NOTE: Do not run for more than 10 minutes maximum at a time. Allow it to cool down for 10 minutes before using again.

USING 5V USB POWER

The USB power outlet provides a maximum of 5V DC/2.1A power to an external USB-powered device.

- a.** Plug the USB-powered device into the USB power outlet.
- b.** Press and release TEST/USB button, and the Battery Status Indicator LEDs will be on to show the battery voltage level.
- c.** Turn the device on.
- d.** Reverse these steps after using the USB power.
- e.** Recharge the unit as soon as possible after using the USB power.

NOTE: When the internal battery voltage is too low, the USB power will be shut off automatically.

LOW VOLTAGE ALARM when using the jump starter

When using the unit, for example, turning the Power Switch on, jump-starting a vehicle, using as 12V Power Outlet, using work light, etc, the microprocessor inside the unit will detect the internal battery voltage automatically. Once the internal battery voltage is too low, the Red Battery Status Indicator LED will flash, and audible alarm will sound to remind you to charge the unit immediately.

When you stop using the unit or the internal battery voltage is back to normal, the Red Battery Status Indicator LED will be OFF and the audible alarm will stop.

MAINTENANCE INSTRUCTIONS

- **TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:** Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.
- **BEFORE EACH USE,** inspect the general condition of the unit. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
- **AFTER USE,** wipe the external surfaces of the tool with a clean cloth.
- Protect from sunlight and moisture.
- **LEAD-ACID BATTERIES MUST BE RECYCLED OR DISPOSED OF PROPERLY.** Do not short terminals. Do not incinerate.

LIMITED WARRANTY

Northern Tool and Equipment Company, Inc. "We" or "Us" warrants to the original purchaser only ("You" or "Your") that the Strongway product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of **one year** from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product or product component without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at 1-800-222-5381, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to Us in order to process Your warranty claim, any returned product that is replaced or refunded by Us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for: service or labor charges or damage to Your property incurred in removing or replacing the product; any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation, or maintenance of the product or product component; or any indirect, incidental or consequential damages of any kind for any reason.

Assumption of Risk

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of Minnesota, without regard to rules pertaining to conflicts of law. The state courts located in Dakota County, Minnesota shall have exclusive jurisdiction for any disputes relating to this warranty.

STRONGWAY™

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