

AVT™ Jumpstarter 400 AVT™ Jumpstarter 700

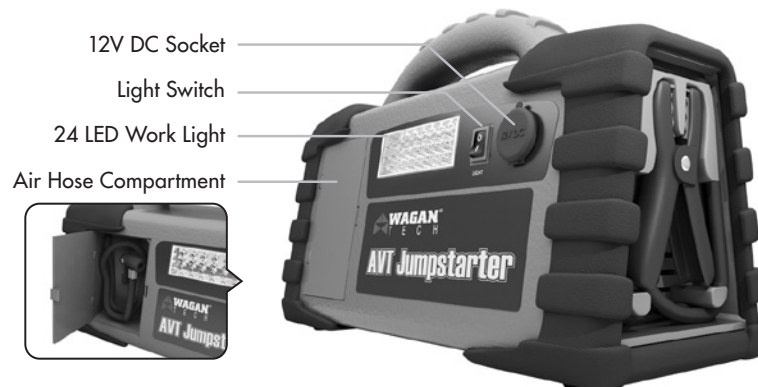
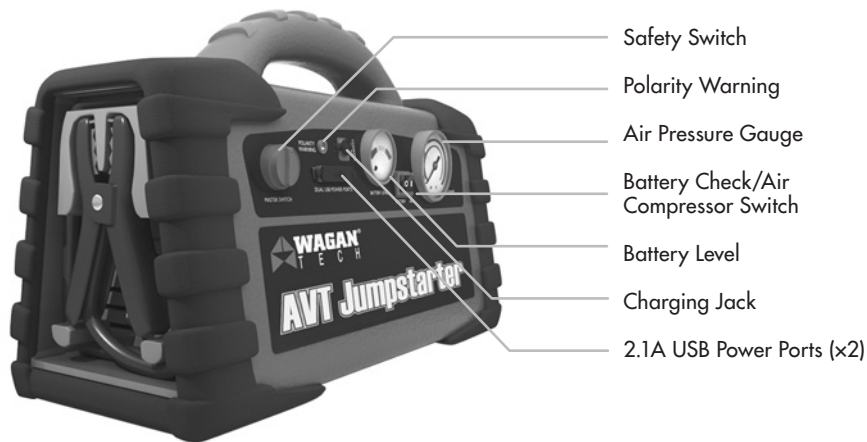


Thank you for purchasing the AVT™ Jumpstarter by Wagan Tech. With normal care and proper treatment, it will provide years of reliable service.

Fully charge unit with the supplied 17 volt AC charger for a full 16 hours (#2594) or 20 hours (#2595) before using for the first time.

IMPORTANT!

Please read all of the operating instructions carefully prior to use. It is important to understand all warnings, cautions and instructions included in this instruction manual, your vehicle battery manufacturer manual and other manuals for any device intended to be used with this unit. Retain these instructions for future reference.



Cautions

- This product is NOT a toy. Keep out of the reach of children.
- Never work alone with this product. Make sure that someone is available to give assistance if needed.
- Do not operate this device while wearing vinyl clothing. Static electricity may be generated when vinyl clothing is rubbed.
- Remove any metallic jewelry, such as rings, bracelets, necklaces and watches while working with a lead acid battery. It can produce a short-circuit that may cause severe burns.
- Wear complete eye and clothing protection. Do not touch eyes while working near or with battery.
- Keep battery terminals clean. Be careful to keep corrosion from coming in contact with eyes.
- Do not operate this unit in or around water. Water can damage the unit.
- Do not let the cords of the jumpstarter or attached appliances get wet.
- This product is not intended for use in the rain or temperatures above 130°F.
- Never attempt to charge or jumpstart a frozen battery.
- To prevent short-circuits and arcing, never allow the metal ends/tips of clamps (positive & negative terminals) to touch each other or connect to the same piece of metal.
- Do not attempt to remove or replace the battery used in this device. When the battery has reached the end of its lifetime, take the entire unit to a battery recycling facility.
- Use only the provided chargers, cables and clamps. Unauthorized parts may damage the unit.
- This product has no consumer serviceable parts.
- For proper and safe operation of the 12 volt DC power accessory outlets, do not place anything into it except the plug of the accessory to be used.

Charging and Recharging

WARNING: Do not overcharge this unit. Overcharging may result in damage to the unit. Prior to charging unit, read and understand all instructions for this unit.

- This product may arrive partially charged from the manufacturer. It is recommended to fully charge the unit immediately after purchase and before first use.
- Fully charge unit with the supplied 17 volt AC charger for a full 16 hours (#2594) or 20 hours (#2595) before using for the first time.

© 2011 Wagan Corporation
All Rights Reserved

Wagan Tech and wagan.com are trademarks used by Wagan Corporation

- The charging LED indicator will illuminate while charging. The light will stay lit while charging plug is plugged in. When charging is complete, press the "Battery Check" button and the "Battery Status" light will show the state of the battery charge. When charging is complete, remove the AC/DC adapter from the unit. Press the battery status button and the green LED light will be illuminated to indicate charging is complete.
- Do not charge the unit for more than 48 hours continuously.
- Do not charge the unit on a boat, boat ramp or dock since the electrical cords and outlets used for charging could cause severe electrical shock if they get wet.
- It is recommended that the unit is in an upright position while charging.

Charging with AC Charger:

1. Insert AC charger plug into charging jack of the unit.
2. Insert AC charger receptacle plug into AC receptacle.
3. Fully charge the unit.
4. When charging is complete, unplug the AC charger receptacle plug, then the AC charger from the charging jack on the unit.

Jumpstarting a Vehicle

WARNING: Vehicles equipped with onboard computers may be affected if the engine battery is jumpstarted. Read your vehicle owner's manual before attempting to start the vehicle to determine if external starting assistance can be used. Failure to follow these instructions may cause damage or explosion. Use safety glasses to protect eyes while jumpstarting a battery.

USING THE UNIT AS A JUMPSTARTER WITH POWERFUL BATTERY 14V 7AH/14AH

This jumpstarter is equipped with a manual safety switch that only allows jumpstart energy to flow when proper connections are made to battery and frame. Once the connections are properly made, turn the safety switch ON and you are ready to jumpstart the vehicle.

1. Turn off the vehicle ignition and all accessories (e.g. radios, lights, air conditioners and cellular phones).
2. Set the emergency brake and put vehicles with automatic transmission in park position.
3. Make sure Jumpstarter's ON/OFF safety switch is turned to OFF.
4. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal usually is larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, you should refer to the vehicle owner's manual.

5. Determine whether your vehicle uses a negative or positive grounded system: Negative ground system (negative battery terminal is grounded to chassis). Most vehicles use this system. Positive grounded battery terminal is grounded to chassis or any other part of the vehicle. IF YOU ARE UNSURE, YOU SHOULD REFER TO VEHICLE OWNER'S MANUAL.
6. Remove clamps from the holders. Never allow clamps (positive & negative terminals) to touch together or contact the same piece of metal to prevent short-circuits and arcing.
7. Follow instructions for a negative grounded system or positive grounded system as indicated below:

Negative Grounded System

- a. Securely connect the positive (+) red clamp to the positive (POS, P, +) terminal of the vehicle battery or the remote positive (+) terminal if equipped.
- b. Securely connect the negative (-) black clamp to the vehicle chassis, engine block or a non-moving metal part of the vehicle which is verified to be grounded. Do not clamp directly to negative battery terminal, carburetor, fuel lines or sheet metal body parts.
- c. See jumpstarting step 7 to continue.

Positive Grounded System:

- a. Securely connect the negative (-) black clamp to the negative (Neg, N, -) ungrounded terminal of the vehicle battery.
 - b. Securely connect the positive (+) red clamp to the vehicle chassis, engine block or a non-moving metal part of the vehicle which is verified to be grounded. Do not clamp directly to positive battery terminal, carburetor, fuel lines or sheet metal body parts.
 - c. See jumpstarting step 7 to continue.
 - d. When clamps are connected with reverse polarity, the reverse polarity indicator is red and alarm sounds. Disconnect the clamps and connect again properly.
 - e. When clamps are connected properly, turn ON the Jumpstarter's safety switch.
7. Allow 1 to 2 minutes of charging time. It is recommended to have a second person to assist holding the unit securely in place during the next steps.
 8. Turn on the vehicle to attempt to start the engine. Stop if the vehicle does not start after 4 to 5 seconds of engine cranking. Wait 3 to 4 minutes then try again. Repeat several times until the vehicle starts.

CAUTION: Excessive engine cranking can damage vehicle starter motor. If the engine turns, but fails to start after several attempts, other technical problems might be involved. Discontinue cranking the engine until the other problems have been determined and corrected.

9. When finished, turn the Jumpstarter's safety switch back to the OFF position.
10. Stand as far away from the vehicle battery as possible and disconnect the clamps in reverse sequence to connecting procedure:
 - For negative grounded systems, first disconnect negative (black) then positive (red) clamps.
 - For positive grounded systems, first disconnect positive (red) then negative (black) clamps.

Using the Air Compressor

WARNING: Check item to be inflated for manufacturer's recommended maximum inflation pressure. Avoid over inflation. Most tires are properly inflated between 30–35 PSI. Some truck and bicycle tires require 40 PSI or more.

To Inflate Tires

1. Remove valve cap from air valve stem. *Note: Make sure locking thumb lever is in up position. If necessary, use valve stem adapter.*
2. Insert stem connector to valve stem. Make sure connector is pushed into valve stem as far as possible.
3. Press down the locking thumb lever to engage.
4. Set the compressor on/off switch (located next to the pressure gauge) to "on" position by pressing down the section of switch marked "1". *Note: In the event that the tire is completely flat, raise the vehicle using a recommended jack before inflating the tire.*
5. Monitor tire pressure on air pressure gauge. *Note: It is recommended to use a separate air gauge to check the actual inflation pressure. When desired pressure is reached, turn off compressor, turn the locking thumb lever to up position, and remove stem connector from valve stem. Also remove valve stem adapter if applicable.*
6. Replace valve cap on valve stem.

To Inflate Plastic Inflatable (balls, air mattresses, rubber rafts, etc.)

1. Check manufacturer's specifications on the item to be inflated for correct inflation pressure.
2. Remove valve cap cover from valve stem.
3. Insert proper valve stem adapter into stem connector as far as possible and turn the locking thumb lever to down position.
4. Insert the other end of the valve stem adapter into inflatable air valve stem as far as possible.

5. Set the compressor on/off switch (located next to the pressure gauge) to "1" position.
6. Monitor air pressure on pressure gauge meter. When desired pressure is reached, turn off compressor, turn the locking thumb lever to up position, and remove stem connector from valve stem. Also remove valve stem adapter if applicable. Replace valve cap on valve stem.

Battery Status Meter

To read the battery charger status, press and hold the Batt. Check switch located next to the display. If the battery is below 80% charged, it is recommended to recharge the unit before next use.

DC Power Port

The DC power port (accessory socket) is located to the right of the LED lights. It can power a DC load of up to 8 Amps. Overloading the port results in "tripping" a self-resetting circuit breaker. Removing the overload automatically restores power to the DC Power Port.

1. Uncover the dust cover from the Power Port.
2. Insert the 12V DC accessory plug into the Power Port.
3. Operate the appliance as usual.
4. After use, disconnect the accessory plug from the Power Port and store the accessory.
5. Replace the Power Port's dust cover.
6. Recharge the jump starter as soon as convenient.

USB Power Port

The USB Power Port is located between the jumper safety switch and the battery display status. Devices that require up to 5 volts at 500mA can be powered or recharged through a user-supplied cord.

Using the Unit as an Emergency LED Area Light

The LED area light is controlled by the Area Light Power Switch on the front panel of the unit. Make sure the lamp is turned OFF when the unit is being recharged or stored.

Storage

This unit may be stored in any position. Make sure the clamps and air hose are securely tucked away in their original positions. Store in a cool, dry area. If the unit is not used for a prolonged period of time, recharge every 2 months in the winter and every month in the summer.

Specifications

Power Supply (sealed lead acid battery)	400A, 7Ah (#2594) 700A, 14Ah (#2595)
Power Supply DC Output	12 volts nominal
Air Compressor	260 PSI
Power Supply Charging Time	16 hours (#2594) 20 hours (#2595)
Jumper Cable Length	16.5 inches/42 cm



Please activate my limited warranty for WAGAN Corp.

Name		
Mailing address		
City		
State, Zip code		
Email address		
Item purchased		Item no.
Store name		
Date of purchase		
Signature		Date

All WAGAN Corporation Products must be registered within (30) days of purchase to activate this warranty. Mail the complete registration form, along with a copy of the original sales receipt to:

Attn: Customer Service
WAGAN Corporation
31088 San Clemente St.
Hayward, CA 94544



WAGAN Corp. Limited Warranty

All WAGAN Corporation products are warranted to the original purchaser of this product.

Warranty Duration: This product is warranted to the original purchaser for a period of one (1) Year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please contact WAGAN Corporation at (800) 231-5806 to obtain a Returned Merchandise Authorization number (RMA#), and return instructions. Each item returned will require a separate RMA#. After you have received the RMA# and the return instructions from WAGAN Corporation, please follow the instructions and send the item with PREPAID SHIPPING, along with all of the required documentation, a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replace or repair the defective part.

A Returned Merchandise Authorization number (RMA#) is REQUIRED when sending in any defective item. WAGAN Corporation is not responsible for any item(s) returned without an official Returned Merchandise Authorization number. The item(s) must be returned with prepaid shipping. WAGAN Corporation is not responsible for any shipping charges incurred in returning the item(s) back to the company for repair or replacement. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty is effective only if the product is purchased and operated in the USA and does not extend to any units which have been used in violation of written instructions furnished.

Warranty Disclaimers: This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

Warranty Performance: During the above one (1) Year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the one (1) Year warranty period.

REV2008



www.wagan.com
customerservice@wagan.com
Toll Free: 1.800.231.5806

31088 San Clemente Street
Hayward, CA 94544
U.S.A.

©2011 Wagan Corporation
All Rights Reserved
Wagan Tech and *wagan.com* are trademarks used by Wagan Corporation

REV20110930