



We Start Engines™

START•ALL⁺

Lithium-Ion Jump Starter & Power Pack



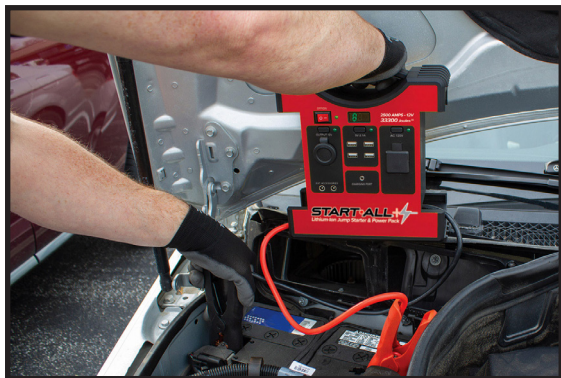
Jump Start Your Vehicle • Charge Your Device

USER MANUAL

NOTE: Read this manual before installing, operating or servicing this equipment. Failure to comply with the operation and maintenance instructions in the manual could result in bodily injury and/or damage.

THANK YOU

Thank you for your purchase of the Vanair® Start•All Jump•Pack® 2500A. We thank you for doing business with us and look forward to working with you again.



This publication contains the latest information available at the time of preparation. Every effort has been made to ensure accuracy. Vanair® Manufacturing, Inc. reserves the right to make design change modifications or improvements without prior notification.

WHAT'S INSIDE

The Start•All Jump•Pack® includes the 1A, 18V DC 100-240V AC wall charger and a 12V DC port charger to power up your unit. It also includes a 3-in-1 mobile adapter plug to charge your mobile phones and other electronics. (Three plug types for - Lightning ports, USB-C and USB mini.)



1A, 18V DC
100-240V AC Wall Charger



12V DC Port Charger



3-in-1 Mobile Adapter

Works with 12V DC gasoline or 12V DC diesel-powered vehicles as well as phones, tablets and laptops.



NOTE: Please read and understand the entire manual before attempting to use this product.

SAFETY INFORMATION

DANGER 

This Start•All Jump•Pack® utilizes Lithium-Ion type batteries. All Lithium-Ion batteries have the potential to overheat when used improperly. Overheating may lead to fire, property damage, personal injury or death. Please read and adhere to the following safety instructions.

DO NOT leave the Start•All Jump•Pack® unattended while charging the Start-All unit with its supplied AC wall charger.

DO NOT charge the Start•All Jump•Pack® unit on any combustible material such as wood, paper, carpet, etc.

DO NOT attempt to charge the Start•All Jump•Pack® unit with any other third-party AC wall charger. Use only the supplied 100-240V AC 18V DC wall charger. Failure to do so may cause an overheat condition which may lead to possible fire and property damage including injury and death.

DO NOT attempt to charge the Start•All Jump•Pack® unit with any other third-party 12V DC port charger. Use only the supplied 18V DC 2000mA port charger. Failure to do so may cause an overheat condition which may lead to possible fire and property damage including injury and death.

DO NOT attempt to start a vehicle while charging the Start•All Jump•Pack® unit.

DO NOT connect the jumper cables to any vehicles with more than a 12V DC system. Connecting to a 18V, 24V or higher voltage could result in fire, and/or serious injury or death.

DO NOT operate the Start•All Jump•Pack® unit if it becomes wet. Note: If the unit is already operating and becomes wet disconnect it from the vehicle battery and discontinue use immediately.

DO NOT leave the Start•All Jump•Pack® unattended while connected to the vehicle battery or battery posts. Note: The Start•All Jump•Pack® is not a trickle charger type device and should not be used as such.

DO NOT use a damaged product, including, but not limited to, cracks to the casing, cables, or power cords, clamps or ports.

DO NOT use the Start•All Jump•Pack® if it becomes excessively hot, emits an odor, is deformed, cut, is experiencing or demonstrating an abnormal occurrence. Discontinue use immediately and contact Vanair®. NOTE: Unit should be moved IMMEDIATELY to a safe location away from ALL potential flammable and combustible materials.

DO NOT crank the vehicle for more than fifteen (15) seconds when attempting to start utilizing the Start•All Jump•Pack®. Wait ninety (90) seconds between cranking attempts. Exceeding fifteen (15) seconds on a crank attempt or failing to wait ninety (90) seconds may cause damage to the vehicle starter and/or the Start•All Jump•Pack®.

DO NOT attempt more than five (5) consecutive start attempts within a fifteen (15) minute period. Attempting more than the recommended cranks can lead to a overheat condition and may lead to possible fire and property damage as well as injury and death. Note: If a vehicle does not start after three (3) attempts it typically indicates another issue with the vehicle.

DO NOT attempt to connect a Start•All Jump•Pack® to anything other than a 12V DC battery terminal or dedicated jump lug. Failure to do so could cause permanent damage to the vehicle or jump starter.

DO NOT attempt to use the Start•All Jump•Pack® in any fashion other than indicated within this manual. Failure to do so could cause permanent damage, disfigurement and or death. Always wear proper Personal Protection Equipment (PPE) when using this device.

DO NOT attempt to use the Start•All Jump•Pack® in any fashion if you use a Personal Medical device such as a Pacemaker.

DO NOT attempt to alter, modify, or repair any part of the product. Disassembling the product may cause injury, death, or damage to property and voids warranty. Contact Vanair® in these instances.

Start•All Jump•Pack® Charging. Do not leave the Start•All Jump•Pack® unattended while charging the unit. Do not charge the unit on any material that is flammable, such as wood, carpet, etc. Do not use the unit to start a vehicle while charging. Charge only in a well-ventilated area.

Fire. The product is an electrical device that emits heat and is capable of causing burns. Do not cover the product. Do not smoke or use any source of electrical spark or fire when operating the product. Keep product away from combustible materials. In an unlikely event of a fire, use sand or Class ABC or BC fire extinguisher.



Electrical Shock. The product is an electrical device that can shock and cause serious injury. Do not cut power cords. Do not submerge in water or get wet.



Explosion. Unmonitored, incompatible, or damaged batteries can explode if used with the product. Do not leave the product unattended while in use. Do not attempt to jump start



a damaged or frozen battery. Use product only with batteries of recommended voltage. Operate product in well-ventilated areas.

Personal Precaution. Only use the product as intended. Someone



should be within the range of your voice or close enough to come to your aid in case of an emergency. Have a supply of clean water and soap nearby in the case of battery acid contamination. Wear complete eye protection and protective clothing such as work gloves while working near a battery. Always wash hands after handling batteries and related materials. When working with electrical equipment use tools with rubber/insulated handles. Remove metal objects such as watches, rings or jewelry. Materials such as metal and liquids can cause a spark or create a short circuit resulting in electrical shock, fire, or explosion, which could result in property damage, injury, death. Do not drop or store tools or objects on top of batteries as this can also cause a short circuit condition.

Location. Prevent battery acid from coming in contact with the



product. Do not operate the product in a closed-in area or an area with restricted ventilation. Do not set a battery on top of the product. Position cable leads to avoid accidental damage by moving vehicle parts (including hoods and doors), moving engine parts (including fan blades, belts, and pulleys), or what could become a hazard that may cause injury or death.

Explosive Gases. Working in the vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal



battery operation. To reduce the risk of battery explosion, follow all safety information instructions and those published by the battery manufacturer and manufacturer of any equipment intended to be used in the vicinity of the battery. Review cautionary markings on these products.

High-Consequence Activities. This product is not intended for use where the failure of the product could lead to injury, death, or severe environmental damage.

Medical Conditions. If you have any medical conditions that you believe could be affected by the product, including but not limited to; seizures, blackouts, eye strain, or headaches, consult your physician prior to the use of the product. The use of the integrated high-powered flashlight contains a light sensitivity hazard. Use of the flashing LED flashlight mode may cause seizures in persons with photosensitive epilepsy, which may result in serious injury or death.

Medical Devices. Product may emit electromagnetic fields. The product contains magnetic components that may interfere with pacemakers, defibrillators, or other medical devices. Consult with your physician prior to use if you have any medical device, including pacemakers. If you suspect the product is interfering with a medical device, stop using the product immediately, and consult your physician.

Compatibility. The product is compatible with 12V DC lead-acid batteries. Do not attempt to use the product with any other type of battery. Jump starting other battery chemistries may result in injury, death, or property damage. Contact the battery manufacturer prior to attempting to jump start the battery. Do not jump start a battery if you are unsure of the battery's specific chemistry or voltage.

Choking Hazard. Accessories may present a choking hazard to children. Do not leave children unattended with the product or any accessory. The product is not a toy.

Explosive Atmospheres. The use of this equipment and jump starting batteries may cause electrical arcs or sparks. Obey all signs and instructions. Do not use the product in any area with a potentially explosive atmosphere, including fueling areas or areas which contain chemicals or particles such as grain, dust, or metal powders.



Do NOT leave the Start•All Jump•Pack® unattended while connected to a battery.



WARNINGS



Operating Temperature. This product is designed to be stored in temperatures between 40° F and 75° F (4° C and 24° C). The unit can be operated in temperatures between -4° F and 140° F (-20° C and 60° C). Do not operate outside of this temperature range.

Battery Charging. Make sure the charging cable is securely plugged into the Start•All Jump•Pack® charging port first, before plugging it into a 12V DC accessory port or AC outlet.

Handling. Handle product with care. The product can become damaged if impacted. Do not use Start•All Jump•Pack® if damaged, including, but not limited to cracks to the casing or damaged cables. Do not use the product with a damaged power cord. Humidity and liquids may damage the product. Do not handle this unit or any electrical components near any liquid. Store and operate the product in dry locations. Do not operate the product if it becomes wet. If the product is already operating and becomes wet, disconnect it from the battery and discontinue use immediately. Do not disconnect the product by pulling on the cables.

Modifications. Do not attempt to alter, modify, or repair any part of the product. Disassembling product may cause injury, death, or damage to property. If the product becomes damaged, malfunctions, or comes in contact with any liquid, discontinue use and contact Vanair®. **Any unauthorized modifications to the product WILL VOID YOUR WARRANTY.**

Eye Injury. Wear eye protection when operating the product. Batteries can explode and cause flying debris. Battery acid can cause eye and skin irritation. In the case of contamination of eyes or skin, flush the affected area with running clean water and contact poison control immediately.



Proposition 65. Battery posts, terminals, and related accessories contain chemicals, including lead. These materials are known to the State of California to cause cancer and birth defects, and other reproductive harm.

Minors. If the product is intended by “Purchaser” to be used by a minor, the purchasing adult agrees to provide detailed instructions and warnings to any minor prior to use. Failure to do so is the sole responsibility of the “Purchaser,” who agrees to indemnify Vanair® for any unintended use or misuse by a minor.

Accessories. This product is only approved for use with Vanair® accessories. Vanair® is not responsible for user safety or damage when using accessories not approved by Vanair®.

Storage. Do not use or store your product in areas with high concentrations of dust or airborne materials. Store your product on flat; secure surfaces so it is not prone to falling. Store your product in a dry location. The optimal storage temperature is 40° F to 75° F (4° C to 24° C). The Start•All Jump•Pack® must be stored at a 40% or higher state-of-charge on the display to maintain capacity and better capability. Failure to do so may result in product damage and void the warranty.

The Battery. The built-in lithium-ion battery in the product should be replaced only by Vanair® and must be recycled or disposed of separately from household waste. Do not attempt to replace the battery yourself and do not handle a damaged or leaking lithium-ion battery. **Never dispose of battery in household trash.** Disposal of batteries in household trash is unlawful under state and federal environmental laws and regulations. Always take used batteries to your local battery recycling center or call 1-800-8-BATTERY.

If the product's battery is excessively hot, emitting an odor, deformed, cut, or is experiencing or demonstrating an abnormal occurrence, immediately stop all use and contact Vanair®.

Light. Staring directly into the light beam or shine of the flashlight may result in permanent eye injury. The product is equipped with a high output LED array that emits a powerful beam at the highest setting.

Cleaning. Power off the product before attempting any maintenance or cleaning. Clean and dry product immediately if it comes in contact with liquid or any type of contaminant. Use a soft, lint-free (microfiber) cloth. Avoid getting moisture in openings.

Radio Frequency Interference (RFI). The product is designed, tested, and manufactured to comply with regulations governing radio frequency emissions. Such emissions from the product can negatively affect the operation of other electronic equipment, causing interference or other malfunctions.

NOTE: Most vehicles will immediately start. Some vehicles may require the Start•All Jump•Pack® to be connected for up to thirty (30) seconds before starting. If the vehicle does not start right away, wait ninety (90) seconds, and try again. Do not crank for more than fifteen (15) seconds and do not attempt more than five (5) consecutive jump starts within a fifteen (15) minute period. Allow the unit to rest for fifteen (15) minutes before attempting to jump start the vehicle again. Attempting more than the recommended cranks can lead to overheat condition and may lead to possible fire and property damage.



Do not crank dead vehicle for more than fifteen (15) seconds. Wait ninety (90) seconds in between cranking attempts. Failure to do so will cause damage to the starter and/or the Start•All Jump•Pack®. Repeated attempts may lead to overheating, possible fire and property damage.

NOTE: It is possible for an E5 error code to be displayed. Please refer to the Error code section of this manual for more information on error codes.

IMPORTANT NOTES

- **FULLY CHARGE THE UNIT IMMEDIATELY UPON OPENING BEFORE USING.**
- **FULLY CHARGE AFTER EACH USE.**
- **FULLY CHARGE AT LEAST ONCE EVERY SIX (6) MONTHS.**
(Failure to do so may cause damage and void warranty.)

Please read the entire instruction manual before operating the Start•All Jump•Pack®. Save these instructions. Review all cautionary markings on this product and in this manual. The Start•All Jump•Pack® is capable of starting gasoline engines up to six (6) liters and diesel engines up to four (4) liters. There are variables such as extreme outdoor temperatures and vehicle mechanical issues (bad starter, no fuel or engine problems) that may limit the Start•All Jump•Pack®'s ability to start an engine. The Start•All Jump•Pack® is designed to instantaneously start a vehicle in a low voltage condition (5V and up).

Your Start•All Jump•Pack® is equipped with built-in safety protections. These safety protections monitor and control the unit. To ensure product longevity, activation is limited to forty-five (45) second intervals. If you experience the unit timing out during a jump start, cycle the main ON/OFF rocker switch to reactivate the jump start function.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

VEHICLE JUMP STARTING

The Start•All Jump•Pack® is equipped with Protect•All® technology for worry-free connection and safe starting of a vehicle when following instructions. This unit is designed to be used on 12V DC vehicles with lead-acid batteries only. Refer to the “Complete Jump Starting Guide.”



ELECTRONICS CHARGING

Turn the MAIN ON/OFF switch to the “ON” position. For charging electronics like smart phones through the USB port, simply insert the 3-in-1 USB cable provided and press the 5V, 2.1A button. To use the 12V DC or external accessories ports, press the OUTPUT 12V button. These ports can be used while charging when the battery has 10 percent charge or higher.



AC POWER

Turn the MAIN ON/OFF switch to the “ON” position. Press the AC 120V button and plug in your 120V AC accessory. For example, you can power a 120V AC work light up to 200W. The AC 120V port can be used while charging when the battery has at least a 10% charge.



COMPLETE JUMP STARTING GUIDE

1. Personal Safety & Battery Preparation

- A. Please use safety glasses when jump starting any vehicle. Remove personal metal items such as watches, rings and bracelets when working with a lead-acid battery. It may cause personal injury.
- B. Please refer to your vehicle's owner's manual for proper jump start connection location.
- C. Identify the positive (RED) and negative (BLACK) terminals before connecting the clamps. Make sure battery terminals are clean and free of debris for safe connection.

2. Start•All Jump•Pack® Preparation

- A. Place the Start•All Jump•Pack® on a flat surface and turn the MAIN ON/OFF to the "ON" position
- B. Check display to verify that the Start•All Jump•Pack® has at least a 50% charge.

3. Make the Connection

- A. Disconnect the red clamp and the black clamp from the Start•All Jump•Pack® docking station. Note: LED should be flashing red and green "8s" (indicates search for battery mode).
- B. If your vehicle is equipped with jump posts, connect the positive red clamp to the positive jump post. Next, connect the negative black clamp to the vehicle ground. Otherwise, connections will be made on the battery.
- C. If connections are made on the battery directly, connect the positive red clamp of the Start•All Jump•Pack® to the positive (+) red terminal on the battery first, then connect the negative (-) black clamp to the negative black terminal on the battery.
- D. Once the battery is detected and is connected correctly, the LED indicator will show a green "8". Once the "8" is a solid green, you must attempt to start the vehicle within forty-five (45) seconds or the Start•All Jump•Pack® will time out. If time out occurs, you must turn off the unit and repeat the process.

4. Start the Vehicle

- A. Ensure a proper connection. If properly connected, the unit will display a green “8” on the LED. If it shows a solid red “E” followed by a number, then there is an error that needs to be addressed. Please see the “Troubleshooting Guide” and the “Error Code Indicators Guide.”
- B. Turn the ignition key to the “ON” position and start the engine.
- C. Do not crank dead vehicle for more than 15 seconds. Wait 90 seconds in between cranking attempts. Failure to do so will cause damage to the starter and/or the Start•All Jump•Pack®. Repeated attempts may lead to possible fire and property damage. NOTE: It is possible for an E5 error code to be displayed. Please refer to the Error code section of this manual for more information on error codes.
- D. If the engine still does not start, refer to the manual Troubleshooting section “Can’t get Start•All Jump•Pack® to connect.”
- E. Once started, turn off the unit and disconnect the clamps from the battery and reattach the clamps to the docking station.





TECHNICAL SPECIFICATIONS

Dimensions: 9.5"(H) x 8.5"(W) x 3.5"(D)
241.3mm(H) x 215.9mm(W) x 88.9mm(D)

Unit Weight: 4.4 lbs (2.04 kg)

Battery Type: Lithium-ion cobalt

Capacity: 59.2 Watt-hours (59,200 mWh)

Current: 2500A (<200ms)

Joules: 33300 5S

Output Voltage: 12-16V DC

Output Ports: Jumper cables - integrated
(1) AC power port (inverter)
120V AC - 200W continuous
400W Peak (4) USB - 5V, 2.1A
(2) External round 6mm

Input Charging Ports: 3.5mm port - use w/ AC wall charger
12V DC port charger

Charging Port: Charge Voltage/Charge Current: 18V/2A

Storage Temperature: 40° F to 75° F (4° C to 24° C)

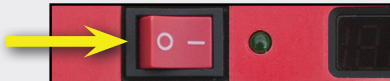
Estimated Life: Up to 5000 starts

Recharging: 1A 18V DC 100-240V AC 50-60Hz
wall charger ~4 hours
12V DC charger ~6 hours
(Charge after each use and every
6 months)

CONTROL PANEL

Main ON/OFF Switch

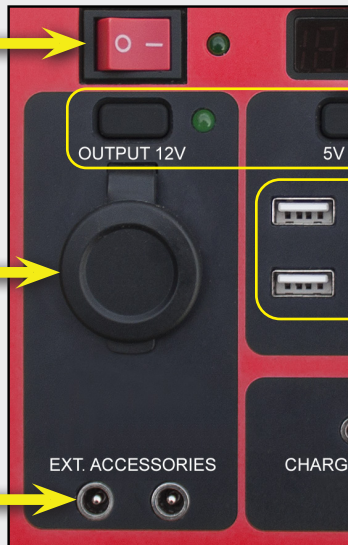
Green LED
illuminates when
the unit is on



12V DC Port
Port for 12V DC
accessories

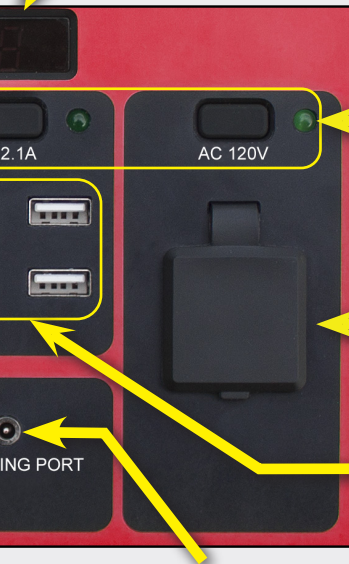


**6mm External
Accessories**
Plug in one, or two
12V DC accessories
equipped with a
6mm power jack



LED Display

Displays charge percentage, status, and error codes



Panel Activation Switches

Use switches to activate the 12V DC, 5V DC and 120V AC panels. The Green LEDs illuminate when panel is powered

AC Inverter 120V AC

Use for 120V AC accessories up to 200 watts

4x - USB Ports

Use these ports to operate or charge 5V USB accessories, 2.1A Maximum

Charging Port

Use this port to charge your Start•All Jump•Pack® (AC/DC)

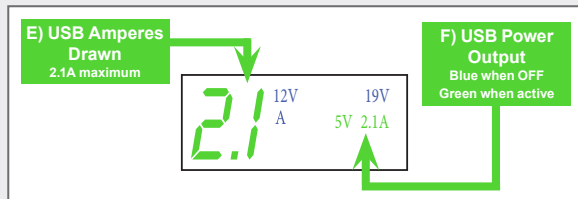
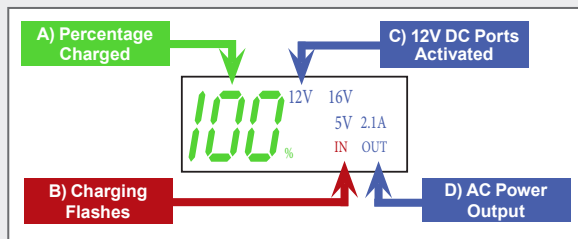
BACK OF UNIT

Emergency Light
ON/OFF Switch



Emergency
LED Light

LED DISPLAY



LED DISPLAY

- A. The Start•All Jump•Pack® displays the battery charge level percentage, except when a USB port is first used and the USB amps draw is displayed.
- B. The “IN” indicator flashes whenever the unit is being charged by the 1A, 18V DC 100-240V AC wall charger or the 12V DC port charger.
- C. Press the OUTPUT 12V ON/OFF button until it beeps and the “12V DC” indicator lights on the LED display to activate the 12V DC power port, and external accessories ports.
- D. Press the AC 120V ON/OFF button until it beeps and the “OUT” indicator lights on the LED display to activate the 120V AC inverter outlet.
- E. The USB amperes drawn displays for two (2) seconds whenever an accessory is attached to either of the USB ports. The USB ports combined maximum load is 2.1A.
- F. The “5V 2.1A” goes from Blue to Green whenever a USB port is used to charge or power a USB accessory using one or both of the USB ports.

LED INDICATORS



Normal Screen

Normal On/Off screen. Displays the battery charge percentage.

0% to 50% will display in red.

51% to 100% will display in green.



Start•All Jump•Pack® Activated and Connected

Indicates the vehicle is ready to be jump started.



Red and Green "8"s Flashing

The unit is searching for a battery and current in order to activate the jump starting.



Red “IN” Symbol Flashing

The unit is plugged in and charging.



Nothing Displayed in Window?

Sleep mode, press ON/OFF output button to wake up or cycle the master ON/OFF switch.

ERROR CODE INDICATORS



Low Battery Voltage

Low Battery Voltage protection Activated. If the Start•All Jump•Pack® is below 35% when turned on and connected to a vehicle, fully recharge the unit then try again. If E0 is displayed while charging the Start•All Jump•Pack®, the battery is below a safe voltage to charge. Disconnect the charger and contact customer care 844-VAN-SERV.



Reverse Polarity

Reverse polarity protection activated. Turn off the Start•All Jump•Pack®. Check the clamp connections. Make sure the red clamp goes to positive and the black clamp goes to negative. Then try again.



Timed Out

The Start•All Jump•Pack® will time out after 45 seconds when connected to a vehicle and is activated. Turn off the Start•All Jump•Pack® and then back on.



High Temperature

High temperature protection activated. Turn off the Start•All Jump•Pack® and wait for it to cool down before using again.



Low Temperature

The Start•All Jump•Pack® is below optimal operating temperature. Performance may be decreased. If unable to start vehicle, warm up the Start•All Jump•Pack® and try again.



High Current

High current protection activated. The vehicle's power requirements may exceed safe operating threshold of the Start•All Jump•Pack®.



Low Current

Low current protection activated. Turn off the Start•All Jump•Pack®. Check the clamp connection on the battery, make sure it is clean and free of paint or corrosion, then try again. If this error persists, turn on the vehicles headlights or blower fan then try again.



Short Circuit

Short circuit protection activated. Turn off the Start•All Jump•Pack®, check the clamp connections to make sure that there is not a short circuit, then try again.



Unit is Not Activating

Contact customer care 844-VAN-SERV.



High Battery Voltage

The battery is above normal maximum voltage. Do not attempt to use. Contact customer care 844-VAN-SERV.

TROUBLESHOOTING

START•ALL JUMP•PACK® NOT WORKING AS EXPECTED

Make sure the unit has at least 50% charge before using.

START•ALL JUMP•PACK® NO POWER

Ensure that the MAIN ON/OFF switch is in the “ON” position.

ACTIVATION LED INDICATOR SHOWING “8”s?

Is the LED blinking red to green or is it a solid red or green? Solid green “8” is a correct connection and a solid red “E” followed by a number is an error. No current will flow to the battery when there is an error, except for “E4”, low temperature.

ALTERNATING RED & GREEN “8”S

The unit will flash red and green “8”s while it is searching for a battery to connect to. If the amps are too low or the connection is poor, the unit may not connect. Make sure that the connection is clean and that the ignition switch is in the first position with the headlights or radio turned on.

CABLE ALARM BEEPING

Is there is a beeping indicator alarm and a red “E” followed by a number? This is an error code. Immediately disconnect the clamps, then refer to the LED indicator guide.

WHAT KEY POSITION TO USE?

Ensure that the ignition key/button is turned to first position to detect connection. This will help activate the unit.

Start•All JUMP•PACK® WILL NOT CONNECT

If the Start•All Jump•Pack® does not show a green “8” when connected to a dead vehicle:

- Make sure to turn on the Start•All Jump•Pack® before connecting to the dead vehicle
- Verify the clamps are connected properly
- Verify that the dead vehicle is a 12V DC system
- Verify that the Start•All Jump•Pack® is adequately charged

If those steps do not resolve the problem you may manually activate the system. **Caution: This activation disables some safety features.**

MANUAL ACTIVATION FOR LOW VOLTAGE BATTERIES

The Start•All Jump•Pack® is designed to jump start 12V DC lead-acid batteries at very low voltage. If your battery is too low or unable to take a charge, the unit will display alternating red and green "8"s. This is an indication that the Start•All Jump•Pack® cannot detect a battery. If you need to jump start a battery in this condition, turn on the headlights, blower, and/or another accessory. If the Start•All Jump•Pack® still does not activate, there is a Manual Activation feature, which allows you to force "On" the jump start function.

CAUTION! USE MANUAL ACTIVATION MODE WITH EXTREME CARE. THIS MODE IS FOR 12V DC LEAD-ACID BATTERIES ONLY. BOTH THE SPARK PROOF AND REVERSE POLARITY PROTECTION FEATURES ARE DISABLED. PAY VERY CLOSE ATTENTION TO THE POLARITY OF THE BATTERY BEFORE USING THIS MODE. DO NOT ALLOW THE POSITIVE AND NEGATIVE BATTERY CLAMPS TO TOUCH OR CONNECT AS THE PRODUCT WILL GENERATE SPARKS. THIS MODE USES A VERY HIGH CURRENT (UP TO 2500A) THAT CAN CAUSE SPARKS AND HIGH HEAT IF NOT USED PROPERLY. IF YOU ARE UNSURE ABOUT USING THIS MODE, DO NOT ATTEMPT AND SEEK PROFESSIONAL HELP.

Before using the Manual Activation feature, make sure the battery clamps are connected to the correct polarity battery terminals. To use the Manual Activation feature, press and hold the “OUTPUT 12V” button for three (3) seconds. A solid green “8” will indicate you have successfully entered Manual Activation mode and are ready to jump start your vehicle.

CAUTION! POWER THE START•ALL JUMP•PACK® “OFF” BEFORE DISCONNECTING THE BATTERY CLAMPS. THIS WILL ENSURE YOUR SAFETY. REMEMBER BOTH THE SPARK PROOF, AND REVERSE POLARITY PROTECTION FEATURES ARE DISABLED.

AUTOMATIC TRANSMISSION?

For automatic transmissions only, make sure the vehicle is in the neutral/park position.

MANUAL DISCONNECT SWITCH

(Truck option) Turn the manual disconnect switch “ON”. Location of disconnect switch varies by truck manufacturer.

CLEAN TERMINALS?

Make sure that the terminals are free of plastic caps, paint, rust, dirt, or grease that can hinder the connection.

JUMP START PORT?

Does your vehicle have a jump start port connection? If so, use the starting port before attempting to connect directly to the batteries.

SHORTED BATTERY?

If the battery is sulfated, it will be shorted and will need to be replaced. Sulfated batteries cannot be charged, or jump started.

DEAD BATTERY WON'T CHARGE?

It is possible the lead-acid battery is completely dead and will show voltage below 5V. In this situation the battery has been fully depleted and needs to be replaced and can no longer be charged or activated.

WARRANTY STATEMENT

The Start•All Jump•Packs® is warranted from the date of purchase at retail against failure due to defective material and/or workmanship for a period of one (1) year.

This warranty does not cover any product that has been used for a purpose other than for which it is intended or used in a manner inconsistent with any instruction regarding its use. This warranty is void if the unit is repaired, modified by anyone other than the Manufacturer, or if this unit has been resold through an unauthorized retailer. In the event of a warranty claim covered by this Limited Warranty, the exclusive remedies shall be at the sole discretion of Vanair® to repair or replace the unit.

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