



350 AMP SLIM JUMP-STARTER INSTRUCTION MANUAL



Catalog Number JU350BD

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CAN RESOLVE THE PROBLEM OVER THE PHONE. IF YOU HAVE A
SUGGESTION OR COMMENT, GIVE US A CALL. YOUR FEEDBACK IS
VITAL TO BLACK & DECKER.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

Cat. # JU350BD

Form # XXXXXXXX

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SAFETY GUIDELINES / DEFINITIONS

- ⚠ **DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- ⚠ **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ⚠ **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
- ⚠ **CAUTION:** Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

RISK OF UNSAFE OPERATION. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Black & Decker strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

IMPORTANT SAFETY INSTRUCTIONS

⚠ **GENERAL SAFETY WARNINGS AND INSTRUCTIONS FOR ALL APPLIANCES READ ALL INSTRUCTIONS**

READ ALL INSTRUCTIONS

⚠ **WARNING:** Read all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

- **AVOID DANGEROUS ENVIRONMENTS:** Don't use appliances in damp or wet locations. Don't use appliances in the rain.
- **KEEP CHILDREN AWAY.** All visitors should be kept at a distance from work area.
- **STORE IDEAL APPLIANCES INDOORS.** When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.

- **DON'T FORCE APPLIANCE.** It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- **USE RIGHT APPLIANCE.** Do not use the appliance for any job except that for which it is intended.
- **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair confinement to contain long hair.

- **USE SAFETY GLASSES AND OTHER SAFETY EQUIPMENT.** Use safety goggles or safety glasses with side shields, complying with applicable safety standards and, when needed, a face shield. Also use face or dust mask if operation is dusty. This applies to all persons in the work area. Also use a hard hat, hearing protection, gloves, safety shoes and dust collection systems when specified or required. Safety glasses or the like are available at extra cost at your local dealer or Black & Decker Service Center.
- **DON'T ABUSE CORD.** Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- **DON'T OVERREACH.** Keep proper footing and balance at all times.

- **DISCONNECT APPLIANCES.** Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories such as blades and the like.
- **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.
- **GROUND FAULT CIRCUIT INTERRUPTER (GFCI)** protection should be provided on the circuits or outlets to be used.

- **USE OF ACCESSORIES AND ATTACHMENTS.** The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Note: Refer to the accessory section of this manual for further details.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding or moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switch replaced by authorized service center. Do not use tool if switch does not turn it on and off.

- **DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
- **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Minimum Gage for Cord Sets			American Wire Gage
Volts	Total Length of Cord in Feet		
120V	0-25	26-50	16
	(0-7.6m)	(7.6-15.2m)	18
240V	0-50	51-100	14
	(0-15.2m)	(15.2-30.4m)	16
		(30.4-60.9m)	18
		(60.9-91.4m)	20
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- Do not expose battery to fire or intense heat since it may explode. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Place this unit as far away from the battery as cables permit.
- Never allow battery acid to come in contact with this unit.
- Do not operate this unit in a closed area or restrict ventilation in any way.
- **FIRST AID – SKIN:** If battery acid comes in contact with skin, rinse immediately with water, then wash thoroughly with soap and water. If redness, pain, or irritation occurs, seek immediate medical attention.
- **EYES:** If battery acid comes in contact with eyes, flush eyes immediately, for a minimum of 15 minutes and seek immediate medical attention.
- **IMPORTANT:** This unit is delivered in a partially charged state. Fully charge unit with a household extension cord (not supplied) for a full 24 hours before using for the first time. You cannot overcharge the unit using the AC charging method.
- All ON/OFF switches should be in the Off position when the unit is charging or not in use. Make sure all switches are in the Off position before connection to a power source or load.
- This system is designed to be used only on vehicles with a 12 volt DC battery system. Do not connect to a 6 volt or 24 volt battery system.
- This system is not designed to be used as a replacement for a vehicular battery. Do not attempt to operate a vehicle that does not have a battery installed.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedures and look for other problems that may need to be corrected.
- Do not use this jump-starter on a watercraft, it is not qualified for marine applications.
- Although this unit contains a non-spillable battery, it is recommended that unit be kept upright during storage, use and recharging. To avoid possible damage that may shorten the unit's working life, protect it from direct sunlight, direct heat and/or moisture.
- Read And Understand This Instruction Manual Before Using This Unit.

SAVE THESE INSTRUCTIONS

⚠ WARNING: TO REDUCE THE RISK OF INJURY:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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 to radio communications. However, there is not guarantee that interference to radio or television reception, with can be determined by turning the equipment off and on, user is encouraged to try to connect the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the dealer or an experienced radio/TV technician for help.
- Consult the dealer or an experienced radio/TV technician for help.

Follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use with this unit. Review cautionary markings on these products and on engine.

INTRODUCTION

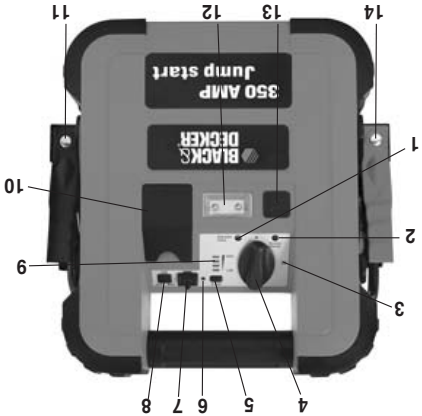
Thank you for choosing the **350 Amp Slim Jump-Starter**. This compact jump-starter is unique in the amount of energy it can supply for its size. The internal battery is a high density sealed, lead-acid battery that stores and delivers energy comparable to full sized ordinary jump-starters. Please read this guide carefully before use to ensure optimum performance and avoid damage to the unit or items that you are using it with.

The **350 Amp Slim Jump-Starter** is a compact, durable, portable jump-start system for vehicles that have a standard 12 volt battery system. This self-contained, rechargeable system will start most vehicles without the need for a host vehicle or 12 volt DC power supply. It can also be used as a portable source of 12 volt DC electric power in remote locations and/or emergency situations. It is ideal for use with 12 volt DC cordless, portable, rechargeable products and DC/AC power inverters.

FEATURES

- Keyless ON/OFF Power Switch
- Cordless/rechargeable
- Built-in non-spillable, maintenance-free, heavy duty, sealed, lead-acid battery
- Requires no maintenance (other than recharging) for optimum operation
- Heavy duty cables and clamps
- 5 Volt DC USB Charging Port
- Built-in LED Area Light
- Alternator voltage check
- Reversible polarity connection warning indicator
- Exclusive cable storage channels keep jumper cables out of the way until needed
- Built-in 120 Volt AC Charger (uses a standard extension cord, not included)
- Easy-to-read LED battery charge status indicators

Controls and Indicators



CHARGING/RECHARGING

This product has a sealed lead acid battery. For maximum battery life, we recommend the Jump-Starter be kept fully charged at all times. Recharge before first use, immediately after each use, and once a month if not used. Failure to do this may reduce the battery life dramatically. To check the battery charge status at any time, press the Battery Charge Level Pushbutton.

Note: This unit is delivered in a partially charged state – you must fully charge it before using it for the first time. Initial AC charge should be for 24 hours.

Charging/Recharging Using the 120 Volt AC Charger and a Standard Household Extension Cord (not included)

1. Lift the AC adapter cover located on the back of the unit and connect an extension cord to the unit. Plug the other end of the cord into a standard 120 volt AC wall outlet.
 2. Charge until three Red and one Green LED Battery Status Indicators light.
 3. Once fully charged, disconnect the extension cord.
- Note:** The unit cannot be overcharged using the AC method.

JUMP-STARTER

This Jump-Starter is equipped with an ON/OFF Power Switch. Once the connections are properly made, turn the switch ON to jump-start the vehicle.

1. Turn Off vehicle ignition and all accessories (radio, A/C, lights, connected cell phone chargers, etc.). Place vehicle in "park" and set the emergency brake.
 2. Make sure the Jump-Starter Power Switch is turned to OFF.
 3. Remove jumper clamps from clamp tabs. Connect the red clamp first, then the black clamp.
- COMMON)**

- 4a. Connect positive (+) red clamp to vehicle battery's positive terminal.
 - 4b. Connect negative (-) black clamp to chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to negative battery terminal or moving part.
- 5. Procedure for jump-starting POSITIVE GROUND SYSTEMS**
- Note:** In the rare event that the vehicle to be started has a Positive Grounded System (positive battery terminal is connected to chassis), replace steps 4a and 4b above with steps 5a and 5b, then proceed to step 6.

- 5b. Connect positive (+) red clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to Positive battery terminal or moving part.
6. When clamps are connected properly, turn the Jump-Starter Power Switch to ON.
7. Turn ON the ignition and crank the engine in 5-6 second bursts until engine starts.
8. Turn the Jump-Starter Power Switch back to the OFF position.
9. Disconnect the negative (-) engine or chassis clamp first, then disconnect the positive (+) battery clamp.

FOLLOW ALL SAFETY INSTRUCTIONS FOUND IN THIS MANUAL.

- CAUTIONS: RISK OF PROPERTY DAMAGE
- If the connections to the battery's positive and negative terminals are incorrect, the Reverse Polarity Indicator will light (red) and the unit will sound a beep. Disconnect clamps and reconnect to battery with correct polarity.
 - If vehicle fails to start, turn OFF the ignition, turn OFF the Jump-Starter Power Switch, disconnect the jump-start system's leads and contact a qualified technician to investigate why the engine did not start.

WARNINGS

- Jump-Starter Power Switch should be off prior to jump-starting.
- Jump system is to be used ONLY on vehicles with 12 volt DC battery systems.
- Never touch red and black clamps together — this can cause dangerous sparks, power arcing, and/or explosion.
- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting this type of vehicle, read the vehicle manual to confirm that external-starting assistance is advised.
- Excessive engine cranking can damage the vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedure and look for other problems that need to be corrected.
- After use, turn the Jump-Starter Power Switch OFF.
- Replace worn or defective parts immediately — contact the Customer Service Department toll free 1-800-544-6986.

ALTERNATOR CHECK

1. Make sure the Jump-Starter Power Switch is turned to OFF.
2. Remove jumper clamps from clamp tabs and connect to vehicle (refer to the "Jump-Starter" section for notes about polarity).
3. Start the engine.
4. Turn all vehicle accessories OFF.
5. Turn the Jump-Starter Power Switch to ON.
6. Observe the Alternator Check Indicator. A solid green LED indicates a good alternator. A solid red LED indicates a bad alternator.

Note: This check may not be accurate for every make, manufacturer and model of vehicle. Check only 12 volt systems.

USB POWER PORT

1. Push the USB Power Port On Pushbutton to turn the USB Port ON.
2. Plug the USB-powered device into the inverter's USB Charging Port and operate normally.
- Notes:** This inverter's USB Power Port does not support data communication. It only provides 5 volts/300mA DC power to an external USB-powered device.

Remember to turn the USB Power Port OFF when it is not in use.

EMERGENCY AREA LIGHT

The 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.

CARE AND MAINTENANCE

Battery Replacement/Disposal

It is recommended that the unit be returned to manufacturer for battery replacement. Contact Customer Service, toll-free, at 1-

Battery Disposal

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Recycling is required — contact your local authority for information. Failure to comply with local, state and federal regulations can result in fines or imprisonment. For more information on recycling this battery, call toll-free 1-800-822-8837.

WARNINGS

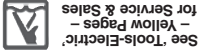
Do not dispose of this unit in fire as batteries inside this product may explode or leak.

Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).



Imported by
Black & Decker (U.S.) Inc.,
701 E. Joppa Rd.
Towson, MD 21286 U.S.A.

RD011408



350 instantaneous cranking amps
Sealed, high energy density, AGM, lead-acid, rechargeable, maintenance-free, 12 volt DC
Light Emitting Diode (LED)
5 volts DC 300 mA
XX AWG cables with 350 Amps heavy duty clamps
Self-resetting breaker 5 amps

Accessory Outlet:

Boost Ampere:

Battery Type:

Area Light:

USB Charging Port Output:

Booster Cables:

SPECIFICATIONS

Black & Decker (U.S.) Inc. warrants this product for two years against any defects in material or workmanship. The defective product will be replaced or repaired at no charge in either of two ways.

The first, which will result in exchanges only, is to return the product to the retailer from whom it was purchased (provided that the store is a participating retailer). Returns should be made within the time period of the retailer's policy for exchanges (usually regarding returns that are beyond the time set for exchanges.

The second option is to take or send the product (prepaid) to a Black & Decker owned or authorized Service Center for repair or replacement at our option. Proof of purchase may be required. Black & Decker owned and authorized Service Centers are listed under "Tools-Electric" in the yellow pages of the phone directory and on our website www.blackanddecker.com.

This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state or province to province. Should you have any questions, contact the manager of your nearest Black & Decker Service Center. This product is not intended for commercial use.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-544-6986 for a free replacement.

FULL TWO-YEAR HOME USE WARRANTY

All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool nearest you. To find your local service location, refer to the yellow page directory under "Tools—Electric" or call: 1-800-544-6986 or visit www.blackanddecker.com.

SERVICE INFORMATION

WARNING: The use of any accessory not recommended for use with this tool could be hazardous.

Recommended accessories for use with your tool are available from your local dealer or authorized service center. If you need assistance regarding accessories, please call: 1-800-544-6986.

ACCESSORIES