

MATCO TOOLS



JSB1000
JSB1500

1000 Peak Amp Booster ***1500 Peak Amp Booster***



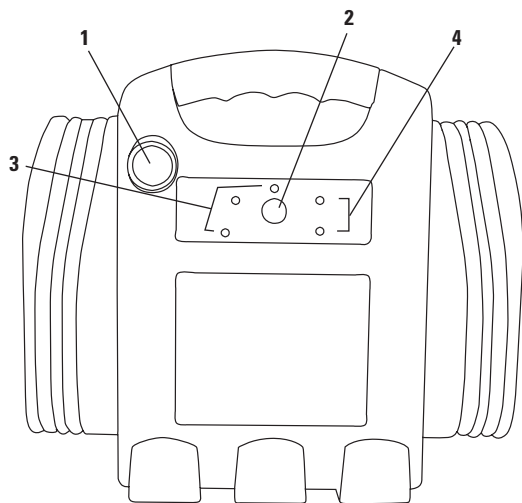
IMPORTANT

For maximum performance and to ensure the life of the unit. This unit **MUST** be charged 48 hours prior to initial use. Batteries have a memory and by not fully charging the battery on its initial charge the performance of the battery will be greatly reduced!

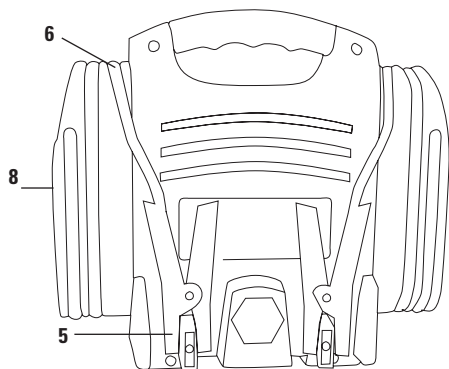
To maximize the life of the battery always store in an upright position

User's Manual

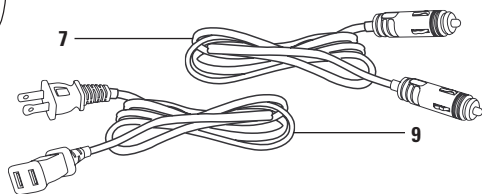
***PLEASE READ AND UNDERSTAND THIS MANUAL CAREFULLY
BEFORE USING THIS PRODUCT TO AVOID POSSIBLE INJURY OR
PROPERTY DAMAGE.***



FRONT OF UNIT



BACK OF UNIT



- | | | |
|--|--------------------------------|-----------------------------------|
| 1. Accessory 12 volt power outlet | 3. Battery LED indicators | 6. Battery clamp cable |
| 2. Battery state of charge push button | 4. Full charge indicator light | 7. Accessory power cord (RSJSB03) |
| | 5. Battery clamp | 8. Charging input socket |
| | | 9. Extension Cord (RSJSB04) |



SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions.

Contains sealed, non-spillable lead acid battery.
Must be disposed of properly.

! WARNING

Always wear eye protection when working on or around lead-acid batteries. If splashed with battery acid:

Immediately wash effected area, such as face and particularly the eyes, with clean water. Continue washing area, face and eyes until medical help arrives.

Risk of explosive gases.

Lead-acid batteries generate hydrogen gas during normal operation.

More gas is generated when the battery is charging.

Hydrogen gas is:

1. Explosive



2. Poisonous to breathe
3. Highly flammable

To avoid an explosion and/or the possibility of being splashed with battery acid:

- Never allow the red and black clamps to touch each other, nor to both touch the same metal object.
- Only attempt to jump start a vehicle or boat in a well ventilated area.
- Always connect the red (+) clamp to the positive (+) battery terminal first.
- **Do connect the black (-) clamp to the negative (-) battery terminal.**
- Always connect the black (-) clamp to a non-moving metal part on the engine.

- Never smoke or allow any sparks/ flame near a battery or engine.

- Remove jewelry such as rings, bracelets, necklaces and watches when working around a battery.

A lead-acid battery can produce a short circuit current which can melt metal and result in a severe burn.

- Do not drop tools or other metal objects on or near the battery as a spark may result, igniting explosive gases.
- Do not jump-start or attempt to recharge a frozen battery.

Charging

Before initial use, the battery should be charged for 48 hours. The green "Full Charge" LED will come on when the battery has received a full charge.

LED Operation/Battery Status Function

When the Battery Status button is depressed, the 3 LED's on the left hand side of the display panel will light up, depending on the state of charge of the battery.

The battery voltage level is indicated by the LED's:

Green	>13.2V
Yellow	13.0 – 13.2V
Red	<12.8V

In addition, one of the CHARGING or CHARGE COMPLETED LED's will also illuminate, depending on the level of charge in the battery. If the battery is not fully charged (below 13.8 volts), the Red CHARGING LED will illuminate as an additional reminder that the Booster Pack can use additional charging.

If the battery is fully charged (13.8 volts or higher), then the Green CHARGE COMPLETED LED will illuminate, letting you know your battery is at full power.

There are 2 methods of charging your Booster Pack.

Internal Charger — Simply plug an extension cord into 110v wall outlet. Then plug the female end of cord into the internal battery charger outlet (Part #8). Charging is complete when the green full charge light comes on. The charger is a fully automatic which maintains the charge of the battery as long as it remains plugged into a wall socket and that socket has 110V power. Leaving this unit plugged into a 110V power source until needed will not damage the battery and will ensure it always delivers a full charge.

Accessory Power Cord — Plug one end of the cord into the accessory power outlet on the unit. Plug the other end of the cord into a 12 volt vehicle lighter outlet. Check for full charge pushing the center battery level button. If all LED lights come on the battery is full.

Operating Instructions

JUMP STARTING

NOTE: Temperature can directly effect the performance of a battery. Ideal storage temperature would be 65-70°F.

1. Make certain the vehicle ignition switch is off before making cable connections.
2. Do not touch RED (POS +) clamp to BLACK (NEG -) clamp.
3. Use in well-ventilated area.
4. Wear safety glasses.
5. Clamp the positive (RED +) to the positive terminal on the weak battery (for negative system).
6. Clamp the negative (BLACK -) to the engine (ground). Make sure cables are not in the path of moving belts or fan.
7. Stay clear of batteries while jump starting.
8. Start the vehicle.
9. Once the vehicle is started, disconnect the negative (-) clamp.
10. Disconnect the positive (+) clamp.
11. Return clamps to the case for safe storage.

IMPORTANT

If the vehicle doesn't start within 6 seconds, wait three (3) minutes before attempting to start the vehicle again. This will allow the battery to cool. Shortening this cooling time can cause damage to the battery.

!WARNING



RISK OF INJURY FROM MOVING PARTS.

- Never connect the clamps to a vehicle when the engine is running.
- Always stay clear of fan blades, fan belts, pulleys and other moving engine parts when working near an engine. Moving engine parts can cause severe personal injury including dismemberment.
- Always make sure that the cables and clamps are positioned so they will not come in contact with any moving engine parts.

12 Volt DC Power Supply

This unit can also function as a mobile 12 volt DC temporary power source. **NOTE: For a 12 volt device to be used (Part#7) it must have a cigarette lighter-style plug or receptacle using the Accessory Power Cord.**

Vehicle "Computer Memory Retainer"

When a vehicle battery is replaced, or the battery cables disconnected, the memory for some vehicle computer components may be lost. This unit can be used to eliminate this problem in some situations.

To use as a memory power back-up, using the accessory power cord, plug one end of the cord into the vehicle's cigarette lighter and the other end into the accessory outlet.

Battery Removal Instructions



IMPORTANT

Contains sealed, non-spillable lead-acid battery. Must be disposed of properly.

Battery Removal and Disposal

The battery inside is a sealed lead-acid battery. By LAW, it is required to be removed and recycled or disposed of properly. While there are federal regulations that must be complied with throughout the United States, your individual state or local governments may have additional regulations to be followed in your area.

Battery Removal/Replacement:

If battery is replaced, you must take it to your local recycling center for proper recycling for disposal. If you don't have a local recycling center that handles sealed lead-acid batteries, contact your local environmental agency for instructions.

Battery Removal

1. Lay the unit down on its front.
2. Loosen all screws on the back side that hold the case together.

3. Open the back half of the case.

4. Loosen the screws to separate the booster cables from the battery.

NOTE: To prevent accidental arcing, be careful not to touch both battery terminals with the tools being used to remove the bolts.

NOTE: Once the battery is removed, wrap its battery terminals with electrical tape to prevent accidental shorting.

5. Change the battery, then tighten the booster cables on the new battery.

NOTE: When reconnecting the wires to the battery terminals, remember that the red wires connect to the positive (+) battery terminal and the black wires connect to the negative (-) battery terminal.

6. Close the back side cover and tighten all screws.

MODEL NO.	PEAK AMP RATING	CRANK ASSIST AMP RATING	CABLE GAUGE	CLAMP AMP RATING	BATTERY STATUS LED Lights Indicate charge
JSB1000	1000	250	#4	500	
JSB1500	1500	400	#4	600	LED Lights Indicate charge

Replacement Parts:

RSJSB01 Battery for JSB1000
 RSJSB02 Battery for JSB1500
 RSJSB03 Accessory Power Cord
 RSJSB04 Extension Cord

JSB1000/1500 Limited Warranty:

Matco warrants this tool for a period of 1 year from original purchase. We will replace any JSB1000 or JSB1500 covered under this warranty which proves to be defective in material or workmanship during the warranty period. In order to have your tool replaced, return the tool to your local Matco Tools Representative. Please include your name and address, evidence of the purchase date, and description of the suspected defect. The tool will be inspected and if any part or parts are found to be defective in material or workmanship, the tool will be replaced. The foregoing obligation is Matco's sole liability under this or any implied warranty and under no circumstances shall we be liable for any incidental or consequential damages.

Note: Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Matco Nashville Distribution Center Return Department
4191 Mufreesboro Road
Antioch, TN 37013

NOTE: Consistent improper charging will dramatically affect the life of the battery and could possibly void the warranty.

Serial # Location