NiCd / NiMH
BATTERY CHARGER

Model 95017

SET UP AND OPERATING INSTRUCTIONS

Visit our website at: http://www.harborfreight.com

Read this material before using this product. Failure to do so can result in serious injury.
SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.

Manual Revised 10g
SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product’s serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INSTRUCTIONS

In this manual, on the labeling, and all other information provided with this product:

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE is used to address practices not related to personal injury.

READ AND UNDERSTAND ALL INSTRUCTIONS

The warnings and cautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

When using battery chargers, safety precautions should always be followed including the following:

WORK AREA

1. Keep your work area clean and well lit. Cluttered and dark work areas invite accidents.

2. Do not operate battery chargers in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

PERSONAL SAFETY

1. Stay alert. Watch what you are doing, and use common sense when operating a battery charger. Do not use the Battery Charger while tired or under the influence of drugs, alcohol, or medication.

2. Wear ANSI-approved safety impact goggles when using this product.
BATTERY CHARGER USE AND CARE

1. **Do not force the Battery Charger.** Use the correct product for your application. The correct product will do the job better and safer at the rate for which it is designed.

2. This product is not a toy. Keep it out of reach of children.

3. **Maintain the Battery Charger with care.** Keep this product clean. Do not use damaged battery chargers. Tag damaged battery chargers “Do not use” until repaired.

4. Check for misalignment or binding of moving parts, loose or broken parts, and any other condition that may affect the Battery Charger’s operation. If damaged, have the Charger serviced before using. Many accidents are caused by poorly maintained battery chargers.

5. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one product may become hazardous when used on another product.

**SERVICE**

1. **Product service must be performed only by qualified service technician.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

2. **Do not open this charger’s housing.** Replacement parts are not available for this charger.

SPECIFIC SAFETY RULES

1. **Maintain labels and nameplates on the Battery Charger.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

2. Use as intended only.

3. **Store idle battery chargers.** When not in use, store the Battery Charger in a clean, dry, safe location out of reach of children.

4. **Use this battery charger indoors only.** Do not expose this product to rain.

5. **Use only size D, C, AA, AAA, and 9 volt rechargeable (NiCD or NiMH) batteries with this product.** Other types of batteries may explode.

6. **Do not use the Battery Charger if it has been dropped, damaged, left outdoors, or immersed in liquid.**

7. **Do not handle the Charger Unit or its Power Cord and Plug with wet hands.** Do not plug the Charger into an electrical outlet while standing on a wet or damp surface.

8. **Do not unplug the Battery Charger by pulling on its Power Cord.** Do not pull or carry the Charger by its Power Cord. Keep the Power Cord away from sharp corners or edges. **Disconnect the Power Cord from its electrical outlet only by grasping and pulling on the Power Cord’s Plug.**

9. **Battery leakage may occur under extreme usage or temperature conditions.** If battery fluid comes in contact with skin, wash with soap and water and rinse with lemon juice and vinegar. If the fluid comes into contact with eyes, flush with water for
several minutes and contact a physician immediately.

10. Do not burn a battery, as it can explode in a fire. Contact local solid waste authorities for instructions on correct disposal of a battery.

11. Do not charge a leaking battery.

12. Do not charge batteries longer than the recommended charge time. Overcharging batteries may cause damage to the Battery Charger and/or batteries. See page 6 of this manual for specific battery charge times.

13. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

14. The battery charger gets hot during use. The charger’s heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the charger on a flammable surface. Do not obstruct any vents on the charger. Especially avoid placing the charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the charger. Place the charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the charger and battery while charging.

15. WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)

SAVE THESE INSTRUCTIONS
**GROUNDING**

**WARNING**  TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the battery charger. Do not use the battery charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

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<table>
<thead>
<tr>
<th>Symbology</th>
<th>Note</th>
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<tbody>
<tr>
<td><img src="image" alt="Double Insulated" /></td>
<td>Double Insulated</td>
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<tr>
<td><img src="image" alt="Canadian Standards Association" /></td>
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<td><img src="image" alt="Underwriters Laboratories, Inc." /></td>
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<tr>
<td><img src="image" alt="Volts Alternating Current" /></td>
<td>Volts Alternating Current</td>
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<tr>
<td><img src="image" alt="Amperes" /></td>
<td>Amperes</td>
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<tr>
<td><img src="image" alt="No Load Revolutions per Minute" /></td>
<td>No Load Revolutions per Minute (RPM)</td>
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**Outlets for 2-Prong Plug**

1. This battery charger does not require grounding.

2. This battery charger may be used in either of the 120 volt outlets shown in the preceding illustration. *(See Outlets for 2-Prong Plug.)*

**Extension Cords**

**Note:** Extension cords should not be used with this item.
SPECIFICATIONS

<table>
<thead>
<tr>
<th>Electrical Input</th>
<th>120 V~ / 60 Hz</th>
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<tbody>
<tr>
<td>Power Cord</td>
<td>18AWG x 2C / 6’</td>
</tr>
<tr>
<td>Battery Charging Types</td>
<td>D, C, AA, AAA, 9V (NiCd &amp; NiMH Rechargeable Batteries Only - Not Included)</td>
</tr>
<tr>
<td>Automatic Charger Shut-Off</td>
<td>NO. Charger Must Be Manually Shut-Off to Avoid Damage to Charger &amp; Batteries</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32 – 104° F</td>
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UNPACKING

When unpacking, make sure the charger is undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

BATTERY CHARGE TIMES

IMPORTANT! This Charger DOES NOT feature an automatic shut-off mechanism, meaning you must unplug the Charger at the end of the recommended charge time for each specific battery. Do not charge batteries longer than the recommended charge time. Overcharging batteries may damage to the Charger and/or batteries.

<table>
<thead>
<tr>
<th>Battery Size</th>
<th>Battery Type</th>
<th>Charge Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>NiMH, 2500 mAh</td>
<td>12 hr.</td>
</tr>
<tr>
<td>C</td>
<td>NiMH, 1800 mAh</td>
<td>9 hr.</td>
</tr>
<tr>
<td>AA</td>
<td>NiCd, 1000 mAh</td>
<td>4 hr. 45 min.</td>
</tr>
<tr>
<td></td>
<td>NiMH, 1500 mAh</td>
<td>7 hr.</td>
</tr>
<tr>
<td>AAA</td>
<td>NiCd, 300 mAh</td>
<td>1 hr. 30 min.</td>
</tr>
<tr>
<td></td>
<td>NiMH, 600 mAh</td>
<td>3 hr.</td>
</tr>
<tr>
<td>9V</td>
<td>NiMH, 200 mAh</td>
<td>10 hr.</td>
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</table>

OPERATING INSTRUCTIONS

1. Insert the battery(ies) into the Battery Compartment, making sure the correct end of each battery is inserted into the correct pole (+ or –) and correct channel as indicated within the Battery Compartment.

2. Plug the unit’s Power Cord/Plug into the nearest 120 volt, grounded, electrical outlet. The LED’s above the connected battery(ies) will light up.

Note: The LED will light red when the battery starts charging.

Note: If the LED does not light up, unplug the Charger and check to make sure the battery is inserted properly.

3. Charge each battery for the recommended length of time. Then, unplug the Battery Charger from its electrical outlet and remove the battery.
INSPECTION, MAINTENANCE, AND CLEANING

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠️ WARNING ⚠️ TO PREVENT SERIOUS INJURY:
Unplug the charger from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY:
Do not use damaged equipment. If abnormal noise occurs or damage is noted, have the problem corrected before further use.

1. **Before each use,** inspect the general condition of the Battery Charger. 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.

2. **AFTER USE,** wipe external surfaces of the charger with clean cloth. **Do not immerse** the Battery Charger in liquids or open the housing.

3. **When storing:** Completely empty the Battery Charger of batteries. **Store the Battery Charger in a safe, dry, clean location** out of reach of children and other unauthorized people.

4. **⚠️ WARNING!** If the supply cord of this charger is damaged, it must be replaced only by a qualified service technician.

Note: Replacement parts are not available for this product. **Do not open the charger’s housing.**

### TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE SOLUTION</th>
</tr>
</thead>
</table>
| The LED's do not illuminate when batteries are inserted. | 1. Plug the Power Cord into a working, 120 volt, grounded, electrical outlet.  
2. Disconnect the Power Cord from its electrical outlet. Check to make sure each battery is inserted properly in the Battery Compartment. |
| The Charger and batteries feel warm to the touch. | This is normal, and is no cause for concern. |
LIMITED 90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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

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