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POWER ICE DRILL
OPERATING MANUAL/PARTS GUIDE

This manual contains operating and safety instructions for the Jiffy Lectric Power Ice Drill. To receive the greatest possible performance and satisfaction from your Jiffy Power Ice Drill, and to reduce the risk of injury, it is important that you read and understand the assembly, operating, maintenance, and safety instructions before using your Jiffy Power Ice Drill.

As with any power tool, safety precautions must be observed with the Jiffy Power Ice Drill to reduce the risk of personal injury. Careless or improper use may cause serious injury and/or damage to your Jiffy Power Ice Drill.

MANUFACTURER'S
One Year Limited Warranty
(30 days for Commercial and/or Rental Use)

Feldmann Engineering & Manufacturing Co., Inc. warrants the Jiffy Power Ice Drill to be made of first quality materials and workmanship and will, at its option, repair or replace any drill part thereof found to be defective in such materials and workmanship if returned to the factory, prepaid within one year from the date of purchase by the original purchaser.

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General Safety Precautions

To receive the greatest possible performance and satisfaction from your Jiffy Power Ice Drill, and to reduce the risk of injury, it is important that you read and understand the assembly, operating, maintenance, and safety instructions before using your Jiffy Power Ice Drill. Contact your Jiffy dealer or Feldmann Engineering if you do not understand any of the instructions in this manual.

Your Jiffy Power Ice Drill is designed and manufactured to provide safe and dependable operation, provided it is operated in accordance with the following safety precautions.

Preventing accidents is the responsibility of every power equipment operator. The safety precautions identified in this manual must be fully understood and followed by every operator of this Jiffy Power Ice Drill. Review the safety precautions frequently and never take chances.

Take the time to become familiar with your Jiffy Power Ice Drill and its components, then operate it in a safe manner. Study the appropriate sections of this manual for the description of the controls and function of your Jiffy Power Ice Drill. Teach the safety precautions to all persons who use your Jiffy Power Ice Drill.

- + This symbol points out important safety instructions which, if not followed, could endanger your personal safety. Read and follow all instructions in this manual and any other provided with this equipment.
- + Avoid mishandling and abuse of your Jiffy Power Ice Drill. Handle it with care, as any rough treatment can cause damage to your Jiffy Power Ice Drill or it can cause a malfunction.
- + Avoid unintentional starting. Do not carry drill with finger on button switch.
- + If drill lodges in the ice while drilling holes, release the button switch and pull drill from the hole. Start over. (Keeping the button switch engaged when the auger is not turning can drain your battery and seriously damage your ice drill).
- + Disconnect the battery before transporting or servicing your ice drill.
- + **DO NOT SMOKE AROUND BATTERY**
- + Batteries can explode causing severe injury.
- + Hydrogen and Oxygen gases are produced during normal battery operation. This mixture can explode if flames or sparks are brought near the battery.

- + Never modify your Jiffy Power Ice Drill in any way. Only Jiffy drill assemblies and accessories supplied by Feldmann Engineering or expressly approved by Feldmann Engineering for use with your Jiffy Power Ice Drill are authorized for connection and use. The use of non-Jiffy or unauthorized components may cause damage or injury.
- + Check the tightness of screws, nuts, and bolts at regular intervals and re-tighten if necessary.
- + Do not wear loose clothing while operating your Jiffy Power Ice Drill and keep all clothes and parts of the body (hands, feet, etc.) clear of the rotating ice drill assembly to avoid being drawn into the boring tool.
- + By wearing cleated or spiked shoes, or ice creepers when using your Jiffy Power Ice Drill, you will find it easier to control the rotational torque as you drill holes in the ice.
- + Do not allow children to operate your Jiffy Power Ice Drill at any time. Do not allow adults to operate your Jiffy Power Ice Drill without proper operational instructions, including all safety precautions.
- + Do not lend or rent your Jiffy Power Ice Drill without providing the owner's manual. Be sure that anyone who uses your Jiffy Power Ice Drill understands the information contained in this manual.
- + Give your complete and undivided attention to the proper operation of your Jiffy Power Ice Drill. To operate it properly, you must be in good physical condition and mental health and not under the influence of any substance (alcohol, drugs, etc.) which might impair vision, dexterity, or judgment.
- + Using your Jiffy Power Ice Drill may be strenuous. If you have any condition that may be aggravated by strenuous activity, check with your doctor before operating your Jiffy Power Ice Drill.
- + Do not operate it when you are fatigued. Tiredness may result in loss of control of your Jiffy Power Ice Drill.

Pre-Use Procedure

Before using your Jiffy Power Ice Drill to drill holes in ice, follow this procedure to prepare for proper and correct use.

- Carefully examine your Jiffy Power Ice Drill for hidden shipping damage. If any external damage is observed to the Jiffy Power Ice Drill, contact Feldmann Engineering.
- Find, read and understand your Jiffy operators manual. Contact your Jiffy dealer or Feldmann Engineering if you do not understand any of the instructions in this manual.
- Assemble the components of your Jiffy Power Ice Drill as indicated in the Assembly of Drill section of this manual. Leave the Jiffy Blade Protector on the drill assembly and make certain it is securely fastened.

DO NOT RETURN your Jiffy Lectric Drill TO THE RETAILER THAT SOLD IT TO YOU. THEY ARE NOT AUTHORIZED TO PROVIDE REPAIRS OR WARRANTY REPLACEMENT unless they are an authorized Jiffy warranty station. If you have any questions concerning the authorization of a service station, contact Feldmann Engineering.

Assembly

For units with “New” Jiffy E-Z Connect™ Collar

Connect drill assembly to powerhead by sliding E-Z Connect™ Collar down and pulling clevis pin out. Then slide drill assembly onto output shaft. Reinsert clevis pin through drill assembly and output shaft, then slide E-Z Connect™ Collar up to lock pin in place.

Note: Do not remove clevis pin from collar tether.



BATTERY INFORMATION –

The JIFFY LECTRIC requires a 12 volt, deep cycle, Car/Truck/Marine or RV battery with a minimum of **650 Cold Cranking Amps**.

The power source should be chosen carefully. The battery directly affects the performance of the drill. A battery that is too small or in poor condition will reduce power and cycle time.

The battery should be **fully charged** before every use. This will ensure maximum performance from both your JIFFY LECTRIC power ice drill and the battery.

Instructions for attachment to the battery:

Polarity Identification:

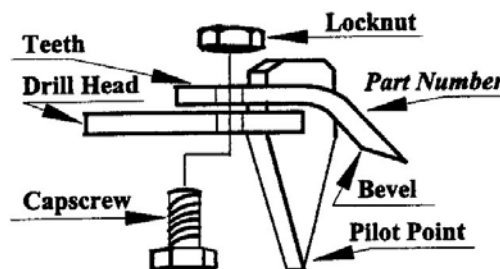
Black Clamp is Negative (-)

Red Clamp is Positive (+)

1. Connect Positive (+) Red Clamp to Positive (+) Terminal of battery.
2. Connect Negative (-) Black Clamp to Negative (-) Terminal of battery.
3. Plug the Red Connector on the long Cable into the Red Connector on the Powerhead cable.
4. Before operating the JIFFY LECTRIC read and understand all instructions in this manual.
5. NOTE: If the drill turns in a clockwise direction you have the battery clamps connected improperly. Reconnect them to the opposite battery terminals.

REPLACEMENT TEETH –

Improper cutting may be due to dull or damaged drill teeth or drill point. Maintain sharp blade teeth and point. Preserve the original factory cutting angles when sharpening your drill. File blade teeth and use a disk sander to sharpen the point. For professional service see your Jiffy service center. Only genuine Jiffy blade teeth are to be used.



BLADE TEETH REPLACEMENT INSTRUCTIONS –

When replacing blade teeth, the beveled edge of teeth and the head of the capscrews should face the ice. The stamped part number on the teeth should face away from the ice, as shown in the diagram. Use two 7/16" wrenches to remove the capscrews and to retighten after replacement. **CAUTION – THE BLADE TEETH ARE SHARP AND SHOULD BE HANDLED CAREFULLY TO AVOID FLESH CUTS OR INJURY.**

JIFFY® LECTRIC™ STX PRO ICE DRILL – PARTS LIST

Includes D-Ice'r ARMOR™ Drill Assembly



| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------|----------|
| 1 | 3909 | Cover | 1 |
| 2 | 3965 | "L" Handle | 1 |
| 3 | 3810 | Motor | 1 |
| 4 | 3961 | Switch | 1 |
| 5 | 3968 | "U" Handle | 1 |
| 6 | 3949 | Throttle Assembly | 1 |
| 7 | 3954 | Throttle Wire | 1 |
| 8 | 2512 | Push Nut | 2 |
| 9 | 3946 | Handle Plate | 1 |
| 10 | 3921 | Motor Mount Plate | 1 |
| 11 | 3915 | Jumper Wire | 1 |
| 12 | 2355 | Hex Capscrew | 2 |
| 13 | 2336 | Lock Nut | 7 |
| 14 | 3811 | Wiring Harness | 1 |
| 15 | 4036 | Pinion Gear Assembly | 1 |
| 16 | 3843 | Flat Washer | 1 |
| 17 | 3720 | Upper Gear Housing | 1 |
| 18 | 3707 | Main Gear & Shaft Assy. | 1 |
| 19 | 3721 | Lower Gear Housing | 1 |
| 20 | 1689 | Flat Washer | 15 |
| 21 | 3983 | Lock Washer | 4 |
| 22 | 1683 | Hex Capscrew | 5 |
| 23 | 1119 | Lock Washer | 1 |
| 25 | 3228 | Hex Capscrew | 1 |
| 26 | 1670 | Flat Washer | 1 |
| 27 | 3634 | Teflon™ Washer | 1 |
| 28 | 3972 | Clevis Pin | 1 |
| 29 | 3971 | E-Z Connect™ | 1 |
| 30 | 3730-PRO | 6" STX PRO Drill Assy. | 1 |
| " | 3731-PRO | 8" STX PRO Drill Assy. | 1 |
| 31 | 3301 | 6" Blade Protector | 1 |
| " | 4038 | 8" Blade Protector | 1 |
| 32 | 3586-STX | 6" Stealth STX Blade Kit | 1 |
| " | 3588-STX | 8" Stealth STX Blade Kit | 1 |
| 33 | 3917 | 96" Cable Assembly | 1 |

