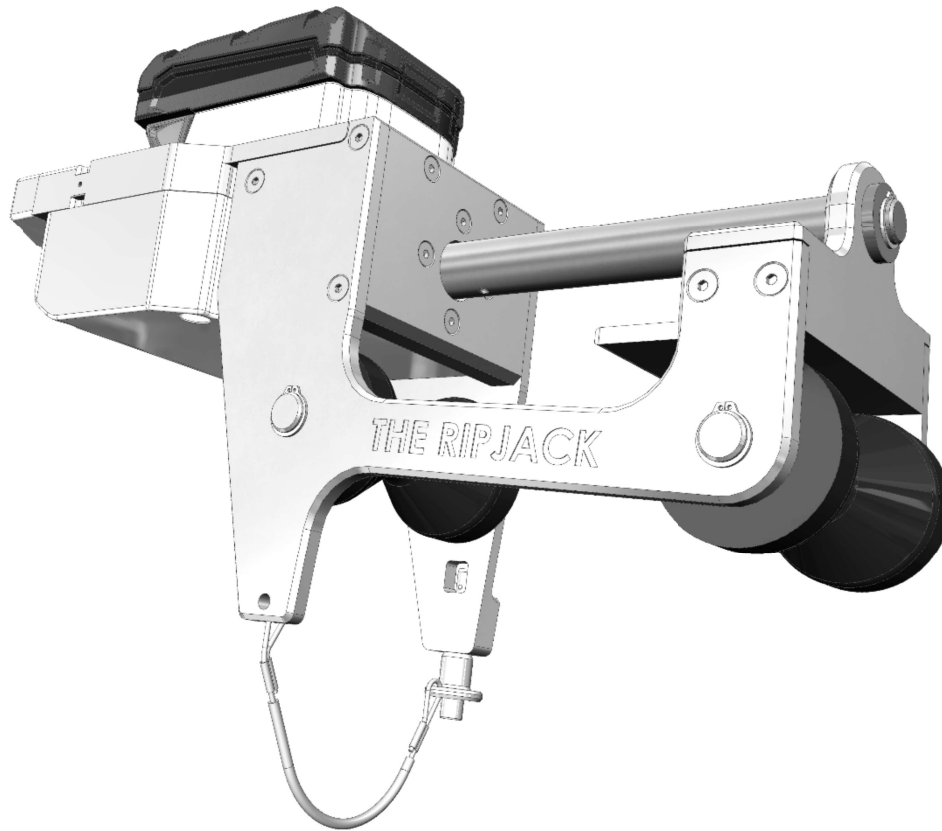


DYNAMIZE TOOLS
OPERATING AND SAFETY INSTRUCTIONS
THE RIPJACK™



Model No. 47170

THE RIPJACK™, URD Cable Jacket Remover

User ☐ must read, understand, and follow the instructions and safety warnings in this manual and the labels on THE RIPJACK™ before operating or performing maintenance on this tool. Failure to understand and follow safe operating and maintenance procedures for this tool could result in property damage, serious injury, or death to yourself or others.

We have done our best to highlight safe operating procedures in this manual. We also appreciate any feedback from users: 1-833-RIPJACK or www.theripjack.com (live chat) or support@theripjack.com.

Always save all written operating and safety instructions for future reference for yourself and other users. Keep these instructions available to all personnel. Contact Dynamize at 1-833-RIPJACK or at www.theripjack.com to obtain additional copies at no charge.

SAVE THESE INSTRUCTIONS

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Symbols and Safety Alerts



The symbols below are used to direct your attention to hazards or unsafe practices that could result in property damage, personal injury, or death. The message after the symbol will provide information for avoiding, preventing, or reducing your risk of property damage, personal injury, or death.

 Volts

 Direct Current


UL listing for Canada and U.S.

 This symbol means “ATTENTION! Watch out! Your personal safety could be at risk!” This symbol is designed to direct your attention to instructions that impact your personal safety. Watch for this symbol throughout this instruction manual to highlight important safety precautions you should always take for your personal safety. Please read the messages following this warning symbol with particular care and always be alert to possible personal injury or death.

 This tool  is NOT insulated. To reduce the risk of electric shock, fire, explosion, property damage, serious injury, or death, do NOT use on live electrical lines. Always turn off power before stripping cables. If you must work close to energized electrical lines, use appropriate protective equipment. Always use proper personal protective equipment. Failure to follow these warnings could result in severe injury or death.



⚠WARNING

Keep hands away from all rotating or moving parts while tool is in use. Wait to engage key fob transmitter until hands are completely clear of any moving components on THE RIPJACK™. Failure to observe these warnings could result in serious injury or death.

Always wear  appropriate eye protection when operating or servicing this tool. Failure to wear eye protection could result in serious eye injury or death from stray concentric neutrals or flying debris.


⚠WARNING

Never use solvents or flammable or explosive liquids to clean this tool. Harsh cleaners could ignite and cause death, serious injury, or property damage.

 Do not  dispose of batteries in a fire. Batteries will vent vapors and could explode. Failure to observe this warning may result in serious injury or death from inhalation of battery vapors or burns and trauma from flying debris.



Properly Recycle Batteries

 This device contains a lithium button/coin cell battery. A new or used battery can cause severe internal burns and lead to death in as little as 2 hours if swallowed or it enter the body. Always secure the battery cover. If it does not close securely, stop using the device, remove the batteries, and keep it away from children. If you think batteries may have been swallowed or entered the body, seek immediate medical attention.

SAVE THESE INSTRUCTIONS

General Power Tool Safety Warnings

Read all | **safety warnings, instructions, illustrations, and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury or death.*

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your battery-operated (cordless) power tool.

General Power Tool Safety Warnings – Work Area Safety

Keep work area clean and well lit. *Cluttered or dark areas invite accidents.*

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Power tools create sparks which may ignite the dust or fumes.*

Keep children and bystanders away while operating a power tool. *Distractions can cause you to lose control.*

General Power Tool Safety Warnings – Electrical Safety

Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. *Unmodified plugs and matching outlets will reduce risk of electric shock.*

Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. *There is an increased risk of electric shock if your body is earthed or grounded.*

Do not expose power tools to rain or wet conditions. *Water entering a power tool will increase the risk of electric shock.*

Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. *Damaged or entangled cords increase the risk of electric shock.*

When operating a power tool outdoors, use an extension cord suitable for outdoor use. *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

If operating a power tool in a damp location is unavoidable, use a RESIDUAL CURRENT DEVICE (RCD) protected supply. *Use of an RCD reduces the risk of electric shock.*

General Power Tool Safety Warnings – Personal Safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating power tools may result in serious personal injury.*

Use personal protective equipment. Always wear eye protection. *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

General Power Tool Safety Warnings – Personal Safety, continued

Prevent unintentional starting. Ensure the switch is in the off-position before connection to power source and/or BATTERY pack, picking up or carrying the tool. *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*

Remove any adjusting key or wrench before turning the power tool on. *A wrench or key left attached to a rotating part of the power tool may result in personal injury.*

Do not overreach. Keep proper footing and balance at all times. *This enables better control of the power tool in unexpected situations.*

Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. *Loose clothes, jewelry or long hair can be caught in moving parts.*

If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. *Use of dust collection can reduce dust-related hazards.*

Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. *A careless action can cause severe injury within a fraction of a second.*

General Power Tool Safety Warnings – Power Tool Use and Care

Do not force the power tool. Use the correct power tool for your application. *The correct power tool will do the job better and safer at the rate for which it was designed.*

Do not use the power tool if the switch does not turn it on and off. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

Disconnect the plug from the power source and/or remove the BATTERY pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of untrained users.*

Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. *Many accidents are caused by poorly maintained power tools.*

Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from those intended could result in a hazardous situation.*

Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

General Power Tool Safety Warnings – Battery Tool Use and Care

Recharge only with the charger specified by the manufacturer. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

Use power tools only with specifically designated battery packs. *Use of any other battery packs may create a risk of injury and fire.*

When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. *Shorting the battery terminals together may cause burns or a fire.*

Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.*

Do not use a battery pack or tool that is damaged or modified. *Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.*

Do not expose a battery pack or tool to fire or excessive temperature. *Exposure to fire or temperature above 265 °F may cause explosion.*

Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

General Power Tool Safety Warnings – Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.*

Never service damaged battery packs. *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

MILWAUKEE M18™ Battery Safety

For specific charging instructions, please read the operator's manual supplied with your M18™ charger and battery.

Do not use your power tool or charge a battery in rainy or wet conditions. Water entering your power tool, battery, or battery charger will increase your risk of electric shock. If you must charge a battery in damp conditions, use a ground fault circuit interrupter (GFCI) protected power supply to reduce your risk of electric shock.

Do not place battery on any moist surface such as grass, snow, concrete, or the ground, which may result in an electrical short that could cause death, serious injury, or property damage.

Protect battery packs and chargers from being dropped, crushed, or damaged in any way. To reduce the risk of severe personal injury or death, do not charge or use a battery pack or charger that has been dropped, stepped on, run over, hit with a sharp blow, pierced with a nail, hit with a hammer, or damaged in any way.

MILWAUKEE M18™ Battery Safety, continued

Never allow contact from a battery pack, especially any leaking battery chemicals, with your skin, eyes, or mouth. Severe personal injury or death could result. If a battery pack leaks chemicals, DO NOT USE! Instead put on rubber or neoprene gloves and eye protection to dispose of the battery pack. If your skin is exposed to battery fluids, wash your skin with soap and water and rinse with vinegar. If your eyes or mouth are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of any contaminated clothing.

Do not charge or use battery pack in any potentially explosive atmosphere, such as around dust, gaseous fumes, or flammable materials). Sparks may be generated when you insert or remove the battery pack which could ignite, possibly causing fire and risk of property damage and severe personal injury or death.

Do not allow anything other than the power tool or MILWAUKEE M18™ charger to contact the battery terminals. Never allow a short between the battery terminals.

Always charge battery pack in a well-ventilated area. Ensure charger vents remain unblocked for proper ventilation. Do not permit smoking or open flames near a battery pack, especially while charging. Vented gases could explode, possibly causing fire and risk of property damage and severe personal injury or death.

Do not immerse batteries in any liquid. Liquid would likely damage the battery and could create a short circuit also. If batteries are immersed, contact your nearest MILWAUKEE service provider for proper handling BEFORE you attempt to use the battery again.

Keep batteries out of any environment touching or near conductive objects, such as toolboxes or pockets with coins, keys, other tools, etc. Conductive objects could damage the battery, create a short circuit, and result in death or serious injury from burns due to rapid release of the battery's energy.

Never attempt to disassemble or modify a battery. Do not wire a battery pack to a power supply plug or car cigarette lighter. Failure to observe this warning may result in death or serious injury or damage to the battery from rapid discharge of the battery's energy.

Always dispose of your battery packs according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations. Before disposing, cover battery pack terminals with electrical tape to reduce the risk of a short, which could cause a fire or explosion. Do not dispose of batteries by attempting to burn them. They will release harmful vapors and may explode. Failure to follow this warning may result in death or serious injury from inhaling toxic vapors or flying debris.

Do not store or use batteries at temperatures higher than 120°F or lower than 0°F. Damage to the battery may result.

THE RIPJACK™ Safety

Any operator or service provider who fails to read, understand, and follow all instructions provided by a tool manufacturer may suffer serious injury or death. Always read all safety warnings, operating instructions, illustrations, and product specifications provided with a power tool prior to operating or servicing the tool.

The owner of this tool must ensure that all users of this tool have been trained and have demonstrated knowledge and mastery of the applicable industry safety codes and standards for working around underground primary power lines, as well as in the safe and appropriate use of this tool and its accessories. Use THE RIPJACK™ ONLY as directed.

Only journeymen linemen trained in the proper operation of this tool should use it. Apprentice linemen should only use this tool under the direct supervision of journeymen linemen, foremen, or other supervisors.

THE RIPJACK™ Safety, continued

NEVER | use THE RIPJACK™ on energized power lines. Never use THE RIPJACK™ next to energized power lines. The person operating THE RIPJACK™ or THE RIPJACK™ itself could make contact with the energized power line, which could result in death, extreme personal injury, property damage, and/or the destruction of THE RIPJACK™.

Use THE RIPJACK™ ONLY for its intended purpose, which is removing the outer jacket from stranded concentric URD primary electrical cable. Do not use THE RIPJACK™ on any other type of cable, including any URD cable that does not have a stranded concentric neutral. Do not secure this tool in a vise. This tool is designed for hand-hand operation.

ONLY use authentic MILWAUKEE M18™ batteries to power your Ripjack! ONLY use authentic MILWAUKEE M18™ chargers to charge your MILWAUKEE M18™ batteries. Never attempt to modify the battery adapter on THE RIPJACK™ to accept any other type of battery as damage to THE RIPJACK™, the battery, or the charger may occur. Property damage or serious personal injury could also result.

ALWAYS | wear all your personal protective equipment. You must wear safety goggles or glasses with side shields when operating or servicing the tool. Always maintain tight control of the stranded concentric neutral strand with slow and controlled movements to reduce the risk of the copper strand inadvertently or uncontrollably releasing from THE RIPJACK's mandrel, which could result in serious personal injury or death for you or a co-worker.

Ensure that fingers and hands are clear of THE RIPJACK's mandrel before turning the tool on and also before pushing the key fob transmitter button forward or backward to advance or retract THE RIPJACK™. Your fingers could be crushed. Always wear cut-resistant gloves to protect your fingers and hands. Also ensure that any clothing, hair, jewelry, or accessories remain clear of THE RIPJACK's mandrel. Failure to observe these warnings could result in serious personal injury or death.

NEVER | drop THE RIPJACK™ from any height. Always engage THE RIPJACK's safety strap immediately when you place THE RIPJACK™ on a cable prior to commencing a strip. This protects you and your fellow workers from THE RIPJACK™ falling off the cable. Also be careful to fully and securely engage the single strand of concentric neutral in THE RIPJACK's mandrel prior to commencing a strip. Always wear work boots to protect your feet and a hard hat to protect your head. THE RIPJACK™ is heavy and could cause severe personal injury or death to you or a fellow crew member, especially if dropped from a bucket truck or into a manhole.

Pay careful attention when operating THE RIPJACK™ so you can release the key fob transmitter button and stop the tool at the predetermined end point on a cable. Failure to stop THE RIPJACK™ at the appropriate end point on a cable could result in damage to the cable and/or damage to THE RIPJACK™.

To reduce the risk of personal injury, never immerse THE RIPJACK™ in any liquid or allow any liquid to flow inside it.

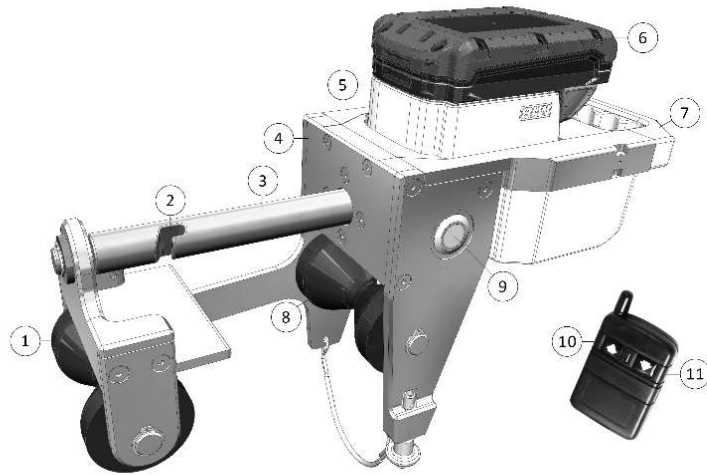
Do not use THE RIPJACK™ in a damp or wet environment, particularly if the tool or the key fob transmitter are in danger of becoming soaked or water-logged. Damage to THE RIPJACK™, the key fob transmitter, or both, as well as serious personal injury or death, may result if the electrical components are engaged while wet, which could result in an electrical short.

Make sure that all labels and nameplates on THE RIPJACK™ remain clean and readable. These labels contain important information for safely operating THE RIPJACK™. If unreadable or missing, contact us at 1-833-RIPJACK for an immediate free replacement for all needed labels.

Do not use THE RIPJACK™ continuously. After 36 cycles of continuous operation, allow the tool to cool for at least 15 minutes.

When lifting and transporting THE RIPJACK™, use the handle provided. We recommend using the carrying bag provided with THE RIPJACK™ whenever possible.

Functional Description of THE RIPJACK™



- | | |
|---------------------------------------|--|
| 1. Front roller | 7. Back roller |
| 2. Frame | 8. Battery adapter |
| 3. Mandrel | 9. MILWAUKEE M18™ battery |
| 4. Opening on mandrel for copper wire | 10. On/off switch |
| 5. Handle | 11. Key fob transmitter forward button |
| 6. Grasping surface | 12. Key fob transmitter reverse button |

Specifications of THE RIPJACK™

Voltage.....	18 volts DC (direct current)
Battery type	Milwaukee M18™
Charger type	Milwaukee M18™
Weight (with battery)	7.6 lbs (4.4 kg)
Weight (without battery)	6.7 lbs (3.0 kg)
Overall length	13.5 in (34.3 cm)
Overall width	4.3 in (10.8 cm)
Overall height	8.4 in (21.3 cm)
Mandrel opening	0.3 in (.8 cm)
Stripping force	191 lbs (86.6 kg)
Recommended ambient operating temperature	0°F to 125°F (-17°C to 52°C)
Storage temperature	50°F to 70°F (10°C to 21°C)
Cycles of operation	61 strips per single battery charge*

*Typical number of strips under ideal conditions. Results may vary depending on ambient temperatures and age of battery.

THE RIPJACK™ LED On/Off Switch, Key fob Transmitter, and Pairing Process

The operator will turn THE RIPJACK™ on and off with the on/off switch located on the side of the tool. Note that the switch on THE RIPJACK™ has a dual purpose and uses different duration of button press to determine the function. Power up and power down of THE RIPJACK™ is accomplished using short button press/release operations (< 5 sec). Note that THE RIPJACK™ will power down into a sleep mode after 2 minutes at rest to conserve battery life. A second short button press will reactivate THE RIPJACK™.

Initiation of a key fob transmitter pairing process is accomplished with long button press/release operations (> 5 sec). Pressing and holding the button for > 5 seconds will initiate a pairing process in which the user will have a 10 second window in which to pair a key fob transmitter to the tool. Pairing occurs when the pairing process is initiated with THE RIPJACK™ within 10 feet of a new key fob transmitter.

The operator may pair THE RIPJACK™ with a new key fob transmitter via the same pairing process if desired. Only one key fob transmitter may be paired with an individual unit of THE RIPJACK™ at any given time for safety purposes. Note that the previously paired key fob transmitter will not be erased from THE RIPJACK™ memory until a new key fob transmitter is paired.

The LED light on the on/off switch functions as an indicator of THE RIPJACK's status to the operator:

1. Power On: LED state = On
2. Power Off: LED state = Off
3. Key fob transmitter pairing initiated: LED state = Slow Flash
4. Key fob transmitter pairing complete: LED state = Fast Flash for 2 seconds
5. Overcurrent protection tripped: LED state= Fast Flash for 5 seconds with FORWARD key fob transmitter temporarily disabled

The operator will control THE RIPJACK™ solely via key fob transmitter after turning the tool on with the on/off switch. Please reference Operating Procedures for THE RIPJACK™ in the next section.



This device contains a lithium button/coin cell battery. A new or used battery can cause severe internal burns and lead to death in as little as 2 hours if swallowed or it enters the body. Always secure the battery cover. If it does not close securely, stop using the device, remove the batteries, and keep it away from children. If you think batteries may have been swallowed or entered the body, seek immediate medical attention.

A 12V A23 internal battery powers THE RIPJACK's key fob transmitter functionality. To replace this battery:

- 1) Remove the MILWAUKEE M18™ battery pack from THE RIPJACK™.
- 2) On THE RIPJACK™ key fob transmitter, remove the screw holding the battery door closed.
- 3) Pull out the battery from the battery board.
- 4) Insert the new 12V A23 battery with the positive side away from the battery board.
- 5) Replace the battery door and screws on the key fob transmitter.

Operating Procedures for THE RIPJACK™

Only use THE RIPJACK™ as directed. Only persons trained in the correct use of THE RIPJACK™ should operate the tool. Please reference our website at www.theripjack.com for operating instructions with video and pictures.

1. Wear all personal protective equipment as required by your company's policy and this manual.

2. Charge MILWAUKEE M18™ battery fully (please refer to Milwaukee M18™ manual if needed).

Operating Procedures for THE RIPJACK™, continued

3. Inspect THE RIPJACK™ for any signs of defect, such as cracks, gouges, chips, leaks, or incorrect functioning of the safety strap. If found, DO NOT USE! Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for ALL repairs.
4. Slide battery into THE RIPJACK™. Listen and check for the MILWAUKEE M18™ battery latches to automatically snap into position in THE RIPJACK™ battery housing.
5. Expose approximately 4 inches of a single concentric neutral copper wire from the cable to be stripped.
6. Position THE RIPJACK™ with its rollers on the cable and the single exposed concentric neutral wire between the rollers.
7. ALWAYS fasten THE RIPJACK™ safety strap before proceeding! Remove the pin of the safety strap from its holder, loop the strap around the cable to be stripped, and refasten the pin into its holder just below the on/off button
8. Insert the single concentric neutral wire into the opening at the front of THE RIPJACK™ mandrel so that less than 1 inch of wire extends beyond the mandrel.
9. Push the on/off button on THE RIPJACK™ and wait for the light to come on, signaling the tool is on and ready for use.
10. Hold the up arrow on the key fob transmitter to engage THE RIPJACK™ motor.
11. Release the up arrow on the key fob transmitter to stop THE RIPJACK™ at your desired end point. If needed, you may start and stop THE RIPJACK™ in increments of inches as you near the end of the strip to ensure an accurate finish point.
12. While holding THE RIPJACK™ by the frame or the back handle, hold the down arrow on the key fob transmitter.

13. If using THE RIPJACK™ on a riser, engage the down arrow on the key fob transmitter until THE RIPJACK™ descends to your reach. If you are NOT using THE RIPJACK™ on a riser, you may hold the down arrow on the key fob transmitter for 1-2 seconds, just long enough to release the tension of the copper wire on the mandrel.
14. Remove the left end of the safety strap from its holder, unloop the strap from around the stripped cable, and refasten the strap into its holder on the left side of THE RIPJACK™.
15. Unloop the concentric neutral copper wire from the mandrel.
16. Hold THE RIPJACK™ parallel to the cable so the copper wire is clear of the front roller.
17. Pull THE RIPJACK™ away from the cable, keeping THE RIPJACK™ parallel to the cable, until the copper wire has almost fully unwound from the mandrel.
18. Hold the copper wire securely with one hand while pulling THE RIPJACK™ mandrel free from the copper wire.
19. Secure the copper wire within your work space so that it will not contact any workers by accident. This wire can easily be straightened and reused as needed.
20. If you will not use THE RIPJACK™ for another 2 minutes, you can press the off button once to shut the tool off or simply wait for the tool to shut off on its own after 2 minutes without use.

Troubleshooting

PROBLEM:

CHECK:

The tool won't turn on.

- Is the battery fully charged? → Check M18™ battery fuel gauge bars. M18™ charger should display green light when battery is inserted.
- Is the battery working correctly? → Try battery in another power tool. Or insert on M18™ charger. If charger flashes a red and green light, contact MILWAUKEE for assistance.
- Did the battery fully lock into THE RIPJACK™? → Did the battery click when inserted? Will the battery slide back out of THE RIPJACK™?)
- Is the on/off switch working correctly? → Try pushing the switch to turn the tool off and on again, then try using THE RIPJACK™ while the switch is in the "on" (pressed down) position. The LED light in the switch should come on when the button is in the "on" (pressed down) position.

The wire won't lock in.

- Is there enough copper wire to fit entirely through the slot of the mandrel? → If not, try stripping a couple more inches of copper wire.

The motor won't engage.	<p>-Is the tool turned on? You can tell by determining if the LED light turns on when the "on" button is pressed down and also by determining if the mandrel turns when the up arrow on the key fob transmitter is held down. → If not, follow instructions above for troubleshooting a tool that won't turn on.</p> <p>-Is the on/off switch LED light flashing quickly for 5 seconds? → If so, this means the over-current protection current was activated to protect the tool's electronics. Wait for 5 seconds and then re-engage the motor. If the over-current protection is tripped again, check to see if the tool is bound up on a foreign object before re-engaging motor.</p>
The mandrel won't turn.	<p>-Is the tool turned on? You can tell by whether the LED light turns on when the "on" button is pressed down. → If not, follow instructions above for troubleshooting a tool that won't turn on.</p> <p>-Is the on/off switch LED light flashing quickly for 5 seconds? → If so, this means the over-current protection current was activated to protect the tool's electronics. Wait for 5 seconds and then re-engage the motor. If the over-current protection is tripped again, check to see if the tool is bound up on a foreign object before re-engaging motor.</p>
The key fob transmitter won't work.	<p>-Is the tool turned on? You can tell by whether the LED light turns on when the "on" button is pressed down and also by whether the mandrel turns when you press the up arrow on the key fob transmitter. → If not, follow instructions above for troubleshooting a tool that won't turn on. If problems continue, move your key fob transmitter to a different location near your RIPJACK™. Then replace the small battery in the key fob transmitter itself or use the second key fob transmitter provided with your RIPJACK™ purchase. Next verify that the key fob transmitter is correctly paired to the particular RIPJACK™ you are trying to use (see Pairing Process for THE RIPJACK™ Key fob transmitter instructions on p. 8).</p> <p>-Is the on/off switch LED light flashing quickly for 5 seconds? → If so, this means the over-current protection current was activated to protect the tool's electronics. Wait for 5 seconds and then re-engage the motor. If the over-current protection is tripped again, check to see if the tool is bound up on a foreign object before re-engaging motor.</p>

Troubleshooting, continued

PROBLEM:

CHECK:

The copper wire is tangled.	Is the copper wire sticking out beyond the slotted end of the mandrel? → If so, the copper wire tip may have wrapped underneath the rest of the copper wire, which may complicate the unwrapping process. Simply hold the down arrow on the key fob transmitter and gently pull THE RIPJACK™ away from the cable to allow the wire to slowly unwind from the mandrel.
One/both rollers won't spin.	Verify that no dirt, sand, oil or anything else is obstructing the roller's ability to spin. → If so, remove as needed. A light lubricant can also be applied to the internal opening of the plastic rollers to allow them to spin more freely if needed.
Safety strap is broken.	If the safety strap is broken, missing, or not working correctly in any way, DO NOT USE THE RIPJACK™. Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for repairs.
The tool operates slowly.	Use a fully charged M18™ battery that is room temperature (60°F). If tool continues to operate slowly, allow THE RIPJACK™ to warm up to room temperature also before further use.

Any other issues: If the tool shows other signs of not working correctly or does not work correctly after troubleshooting, DO NOT USE. Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for repairs.

Types of URD Cable for Use with THE RIPJACK™

THE RIPJACK™ works on all sizes of stranded concentric URD cable, both copper and aluminum conductor, concentric neutral wires from #8 to #14, and all plastic jackets. THE RIPJACK™ requires no changes or adjustments between different sizes of cable, regular concentric neutral, or flat strap concentric neutral.

Tape shield, also known as ribbon concentric neutral, will not work with THE RIPJACK™.

RIPJACK™ Cable Capacity Matrix	
Copper and aluminum conductor	#2
	1/0
	2/0
	3/0
	4/0
Concentric neutral wire #8, #9, #10, #12, #14	250 MCM
Flat strap neutral wire #8, #9, #10, #12, #14	350 MCM
	500 MCM
All plastic cable jackets	750 MCM
	1000 MCM
	1250 MCM
	1500 MCM

Proper Use and Care for THE RIPJACK™

ONLY use THE RIPJACK™ to remove the outer jacket from stranded concentric URD cable.

Do not allow any person unfamiliar with the proper safety and operating procedures to use THE RIPJACK™. Only allow qualified service providers to perform any needed repairs on THE RIPJACK™.

Do not use THE RIPJACK™ if the power switch and/or key fob transmitter are not working properly. Any power tool that a user cannot control with a power switch or key fob transmitter is dangerous and should not be used until a qualified service provider has completed repairs.

To reduce your risk of injury, always unplug the battery charger and remove the battery pack from the charger of THE RIPJACK™ before performing any maintenance or cleaning. These preventative safety measures will reduce the risk of THE RIPJACK™ starting accidentally. NEVER disassemble THE RIPJACK™, MILWAUKEE M18™ battery pack, or MILWAUKEE M18™ charger. Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for repairs.

Always store THE RIPJACK™, battery packs, and chargers out of reach of children and people untrained in their correct use. Store THE RIPJACK™ in its carrying case when not in use.

Keep THE RIPJACK™, MILWAUKEE M18™ battery pack, and MILWAUKEE M18™ charger in good repair by adopting a regular maintenance program. After six months to one year, depending on amount of usage, return THE RIPJACK™ and/or your battery pack and charger to an Authorized Service Center for:

- Lubrication of rollers
- Mechanical inspection and cleaning (bearings, gears, fasteners, housing, etc)

- Electrical inspection (motor, controller, battery pack, charger)
- Testing to ensure proper electrical and mechanical operation.

If THE RIPJACK™ does not start or function at full power while paired with a fully charged MILWAUKEE M18™ battery pack and a fresh battery in THE RIPJACK™ key fob transmitter, clean the MILWAUKEE M18™ battery pack contacts. If THE RIPJACK™ still does not work correctly, return THE RIPJACK™, battery pack, and charger to an Authorized Service Center for review and repairs. Keep THE RIPJACK™ free from dust, dirt, and debris. Use only mild soap on a damp cloth to clean THE RIPJACK™ and then dry with a clean cloth.

Avoid using cleaning agents or solvents that are harmful to plastics or other RIPJACK components, such as detergents containing ammonia, chlorinated cleaners, paint thinner, lacquer thinner, gasoline, or turpentine. Never use flammable or combustible cleaners or solvents around THE RIPJACK™.

Ensure that handles stay clean and dry with no oil, grease, or other lubricant that could impair usage of the handles. Maintaining a tight grip on THE RIPJACK's handle reduces the possibility of dropping it on yourself or fellow coworkers.

Should your RIPJACK™ require service, DO NOT USE! Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for repairs. You may also contact us via live chat at www.theripjack.com or email at support@theripjack.com.

Note: The controller in THE RIPJACK™ has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a resident area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Do NOT make any modifications to this device. Unauthorized changes or modifications will void the user's authority to operate this device under United States federal law.

Proper Use and Care for MILWAUKEE M18™ Batteries

Please refer to MILWAUKEE M18™ LITHIUM-ION BATTERY PACK INSTRUCTIONS for complete information on operation and safety before using THE RIPJACK™.

Recommended charging temperature for M18™ battery packs: 40°F to 105°F

Press the Fuel Gauge button provided on your M18™ battery pack to display the lights that show the battery's run time until another charge is needed. If only 1 light on the Fuel Gauge flashes slowly, the battery pack has less than 10% charge remaining.

MILWAUKEE M18™ battery packs deliver consistent power during their entire charge, so power will not fade as the battery nears the end of its charge. When the battery charge is completely expended, 1 light on the battery pack Fuel Gauge will quickly flash. Charge your battery pack before next use.

MILWAUKEE M18™ battery packs are designed to protect themselves from damage and to extend their charge. Your battery pack will turn off the power tool if the battery's current draw or temperature becomes dangerously high. If all the Fuel Gauge lights flash, remove the battery pack from the tool, then reinsert and restart usage.

In extreme circumstances, the battery pack's internal temperature could become unsustainably high. If so, the Fuel Gauge lights will flash in an alternating pattern and THE RIPJACK™ will not run. Allow your battery pack to cool down before usage.

Do not allow MILWAUKEE M18™ batteries to contact water or rain during usage or storage. Do not use solvents or oils to lubricate or clean your battery pack.

Store battery pack and charger in a secure dry location at room temperature. Storage at extremely low or high temperatures, such as in direct sunlight, a vehicle, a metal building, or outdoors, may cause loss of capacity in your battery pack.

Limited Warranty for THE RIPJACK™ in the USA and Canada

THE RIPJACK™ is warranted to the original purchaser only to be free from defects in material and workmanship for a period of three years from the date of purchase, provided that THE RIPJACK™ is operated, maintained, and used only in accordance with the written instructions in this manual and found on THE RIPJACK™ itself. Subject to certain exceptions, Dynamize Tools will repair or replace any part on THE RIPJACK™ which, after Dynamize Tools' examination, is determined by Dynamize Tools to be defective in material or workmanship.

This warranty does not cover ordinary wear and tear, damage from abuse, misuse, neglect, lack of maintenance, accidents, alterations, or repairs attempted or completed by anyone other than Dynamize Tools' Authorized Service Center. This warranty is null and void if the instructions, operating procedures, and safety warnings found in this manual are not followed.

Many power tools, including THE RIPJACK™, require periodic parts replacements and maintenance service to provide continuous excellent performance. This warranty does not cover repair needed when normal use has exhausted the serviceable life of a part, including but not limited to motors, bearings, bushings, o-rings, cables, and seals.

To submit a request for warranty coverage review, return THE RIPJACK™ to a Dynamize Tools Authorized Service Center, freight prepaid and insured. Please include a copy of your proof of purchase with the returned product. You do not need to register THE RIPJACK™ in order to receive applicable warranty coverage. If proof of purchase is not provided at the time of your warranty request, we will use the manufacturing date of THE RIPJACK™ to determine the applicable warranty period.

ACCEPTANCE OF THE EXCLUSIVE REPAIR AND REPLACEMENT REMEDIES DESCRIBED IN THIS LIMITED WARRANTY POLICY ABOVE IS A CONDITION OF THE CONTRACT FOR THE PURCHASE OF THE RIPJACK™. IF YOU DO NOT AGREE TO THIS CONDITION, YOU SHOULD NOT PURCHASE THE PRODUCT.

IN NO EVENT SHALL DYNAMIZE TOOLS BE LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES OR FOR ANY COSTS, ATTORNEY FEES, EXPENSES, LOSSES OR DELAYS ALLEGED TO BE AS A CONSEQUENCE OF ANY DAMAGE TO, FAILURE OF, OR DEFECT IN ANY PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY CLAIMS FOR LOSS OF PROFITS. 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 IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, WRITTEN OR ORAL. TO THE EXTENT PERMITTED BY LAW, DYNAMIZE TOOLS DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE; TO THE EXTENT SUCH DISCLAIMER IS NOT PERMITTED BY LAW, SUCH IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THE APPLICABLE EXPRESS WARRANTY AS DESCRIBED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION 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.

This warranty applies to product sold in the United States of America and Canada only.

Please call us at 1-833-RIPJACK for all warranty and service questions or concerns.

