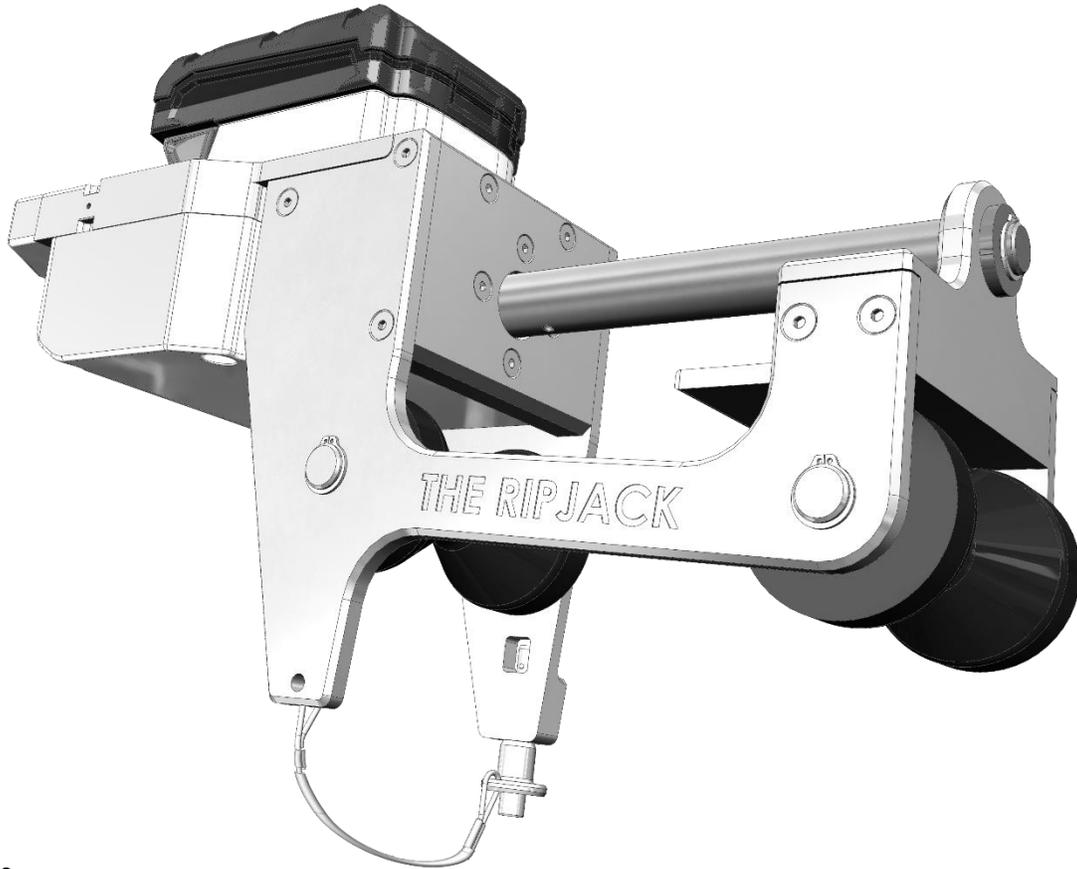


**DYNAMIZE**  
**OPERATING AND SAFETY INSTRUCTIONS**  
**THE RIPJACK™**



Model No. 47170

THE RIPJACK™, URD Cable Jacket Remover

Dynamize LLC, 608 E Hickory St, Ste 128, Denton, TX 76205

**⚠WARNING** User must read, understand, and follow the instructions and safety warnings in this manual and the labels on THE RIPJACK™ and its accessories 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](http://www.theripjack.com) or [support@theripjack.com](mailto:support@theripjack.com).

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](http://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 inform you or direct your attention to hazards or unsafe practices that could result in property damage, serious injury, or death. The messages after the safety alert symbols throughout this manual and the labels on THE RIPJACK™ and its accessories will provide information for reducing your risk of property damage, serious injury, or death.

 Volts

 Direct Current

$n_0$  No-load speed

/min RPM, Revolutions per minute

 UL listing for Canada and U.S.

 **DANGER** Immediate hazard that will result in serious injury or death

 **WARNING** Potential hazard that could result in serious injury or death

 Electric shock hazard

 Pinch point hazard

 Eye injury hazard

 Explosive/flammable liquid hazard

 Explosion hazard

 Properly Recycle Batteries

 Small battery ingestion hazard

**SAVE THESE INSTRUCTIONS**

## General Power Tool Safety Warnings

**⚠WARNING** 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.*

## 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.*

## 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.*

## 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.*

## 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.*

## 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.*

## 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.*

## 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.*

## Battery Safety

Please read the operator's manuals supplied with your MILWAUKEE M18™ charger 48-59-1812 and MILWAUKEE M18™ battery pack 48-11-1820 for comprehensive safety and usage information.

**▲WARNING** 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.

**▲WARNING** Do not place a 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.

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.

**▲WARNING** Protect battery packs and chargers from being dropped, crushed, or damaged in any way. To reduce the risk of severe 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.

## Battery Safety, continued

**⚠WARNING** Never allow any battery chemicals to contact your skin, eyes, or mouth. Severe injury or death could result. If a battery pack is damaged or 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 allow anything other than the power tool or battery charger to contact the battery terminals. Never allow a short between the battery terminals.

**⚠WARNING** 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 injury or death.



**⚠WARNING** 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, severe injury, or death.



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.

Do not store or use batteries at temperatures higher than 120°F (48°C) or lower than 0°F (-17°C). Damage to the battery may result.

**⚠WARNING** 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.



## THE RIPJACK™ Safety

**⚠WARNING** 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, labels, and product specifications provided with a power tool prior to operating or servicing the tool. Use THE RIPJACK™ ONLY as directed.

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. 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.

Only use THE RIPJACK™ for its intended purpose: 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 or flat strap concentric neutral. Do not secure this tool in a vise. THE RIPJACK™ is designed for hands-free operation via key fob transmitter.

## THE RIPJACK™ Safety, continued

### **⚠ DANGER**



NEVER use THE RIPJACK™ on or immediately next to energized electrical lines. THE RIPJACK™ is NOT insulated and use on or immediately next to energized electrical lines could result in electric shock, fire, explosion, property damage, serious injury, or death. Always turn off power before stripping cables. Always follow all company, industry, and OSHA standards and protocols for proper lock-out/tag-out, switching procedures, and any other applicable safety guidelines to ensure the cable you are working on or around does not inadvertently become energized. 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**

ONLY use an authentic MILWAUKEE M18™ battery pack 48-11-1820 to power your RIPJACK! ONLY use an authentic MILWAUKEE M18™ charger 48-59-1812 to charge your battery pack. Never attempt to modify the battery adapter on THE RIPJACK™ to accept any other type of battery because damage to THE RIPJACK™, the battery, or the charger may occur, as well as property damage, serious injury, or death.

### **⚠ WARNING**



ALWAYS wear all your personal protective equipment required by your company, industry standards, OSHA regulations, and any other applicable guidelines. You must wear safety goggles or glasses with side shields when operating or servicing THE RIPJACK™. Always ensure the concentric neutral wire is properly secured in the mandrel opening before beginning a strip. Use slow and controlled movements while unwrapping and releasing the concentric neutral wire from THE RIPJACK™ mandrel. Failure to follow these warnings could result in serious injury or death.

### **⚠ WARNING**



Keep away from all rotating or moving parts while THE RIPJACK™ is in use. Ensure that fingers and hands are completely clear of any rotating or moving RIPJACK components before turning THE RIPJACK™ 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 moving parts. Failure to observe these warnings could result in serious injury or death.

### **⚠ WARNING**

To prevent unintended or accidental activation of THE RIPJACK™, only ONE qualified person may operate THE RIPJACK™ at a time! The operator must retain control over the key fob transmitter at all times during RIPJACK™ use. Failure to observe these warnings could result in serious injury or death.

### **⚠ WARNING**

Always engage THE RIPJACK's safety strap before or immediately after you place THE RIPJACK™ on a cable and prior to commencing any strip. Also be careful to fully and securely engage the single strand of concentric neutral in THE RIPJACK's mandrel prior to commencing a strip.

### **⚠ WARNING**

NEVER drop or allow THE RIPJACK™ to fall from any height. Use special care when THE RIPJACK™ could be dropped from a bucket truck, off a utility pole, or into a manhole. In addition to securing THE RIPJACK's safety strap and securing the concentric neutral in THE RIPJACK's mandrel before every strip, always securely attach the safety clamp provided with THE RIPJACK™ at least 5 inches (13 cm) from the bottom end of the cable to be stripped before completing any strip on a riser or in any situation where THE RIPJACK™ could fall from a height greater than 4 feet (1.2 m). Follow all your company's policies, procedures, and safety protocols for overhead work when using THE RIPJACK™. Designate and barricade at least a 10 foot (3 m) perimeter around an overhead work zone where THE RIPJACK™ is operating as a "DANGER: POTENTIAL DROP ZONE" where no crew members, supervisors, or members of the public should be allowed to enter at any time. Always wear work boots to protect your feet and a hard hat to protect your head. Do not climb a utility pole with THE RIPJACK™ secured to your belt only by its belt clip. Always use a handline to send THE RIPJACK™ into an elevated situation and follow all manufacturer and company policies, procedures, and safety protocols for working with handlines. Failure to observe these warnings could result in serious injury or death.

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™.

## THE RIPJACK™ Safety, continued

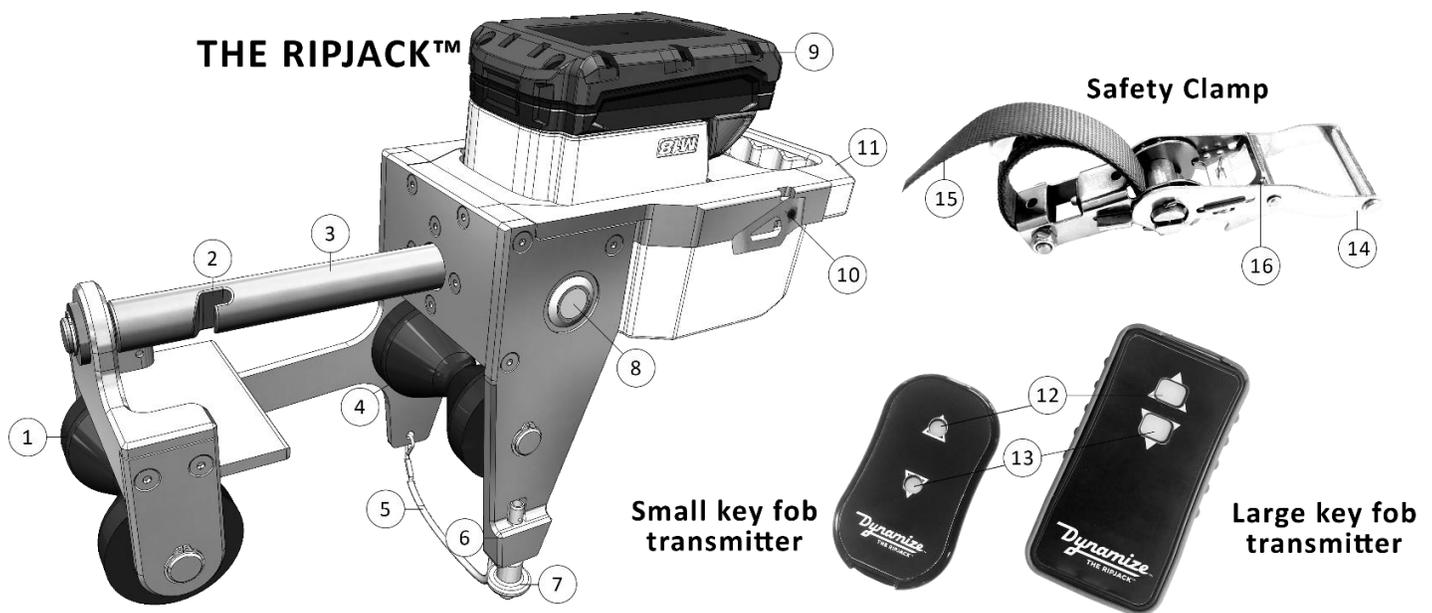
Do not use THE RIPJACK™ continuously. After 36 continuous strips of 4 feet (1.2 m) or equivalent, allow the tool to cool for at least 15 minutes.

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

**⚠WARNING** To reduce the risk of 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 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, tags, and nameplates on THE RIPJACK™ and all its accessories remain clean and readable. These labels contain important information for safely operating THE RIPJACK™ and its accessories. If unreadable or missing, contact us at 1-833-RIPJACK for an immediate free replacement for all needed labels, tags, or nameplates.

## Functional Description of THE RIPJACK™ and Its Accessories



1. Front roller
2. Opening on mandrel for concentric neutral wire
3. Mandrel
4. Back roller
5. Safety strap
6. Holster for safety strap
7. Safety strap push-button latch
8. On/off LED lighted switch button

9. MILWAUKEE M18™ battery pack 48-11-1820
10. Belt clip
11. Handle
12. Key fob transmitter forward button (up arrow)
13. Key fob transmitter reverse button (down arrow)
14. Safety clamp ratchet handle
15. Safety clamp strap
16. Safety clamp release tab

## Specifications of THE RIPJACK™

Voltage .....	18 volts DC (direct current)
Battery type .....	MILWAUKEE M18™ battery pack 48-11-1820
Charger type .....	MILWAUKEE M18™ charger 48-59-1812
Weight (with battery) .....	7.9 lbs (4.4 kg)
Weight (without battery) .....	7.0 lbs (3.0 kg)
Dimensions .....	13.5 in (34.3 cm) length x 4.3 in (10.8 cm) width x 8.4 in (21.3 cm) height
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 Transmitters, and Pairing Process

The on/off switch on THE RIPJACK™ has a dual purpose and uses different durations of button press to determine the function. You can power THE RIPJACK™ up or down with a short button press (< 5 seconds). THE RIPJACK™ will automatically enter sleep mode after 2 minutes at rest to conserve battery life. A second short button press will reactivate THE RIPJACK™.

Pressing and holding the switch for > 5 seconds will initiate a pairing process between THE RIPJACK™ and the closest key fob transmitter. Each RIPJACK™ can only pair with one transmitter at a time for safety purposes. If a new transmitter is paired with THE RIPJACK™, the new transmitter pairing will overwrite any previous transmitter pairing. Note that any previously paired transmitter will not be erased from THE RIPJACK™ memory until a new transmitter is paired. Consequently, one transmitter can simultaneously be paired with multiple RIPJACKS. To prevent accidental transmitter pairing with the wrong RIPJACK™, ensure no additional RIPJACKS are in pairing mode within 600 feet (183 m) of your chosen transmitter during pairing. If you must use multiple RIPJACKS within 600 feet of each other, take care to proactively pair a different transmitter with each RIPJACK™ and then number or label each pair accordingly.

Please read and understand all steps below before beginning the pairing process.

1. Turn THE RIPJACK™ on by briefly pressing, then releasing the on/off switch button on THE RIPJACK™. The switch will illuminate.
2. Initiate pairing mode by pressing and holding THE RIPJACK™ switch for approximately 5 seconds until it blinks on and off. Release THE RIPJACK™ switch. You now have 10 seconds to complete the next step.
3. Hold the transmitter a minimum of 2 feet (0.6 m) from THE RIPJACK™ and press and briefly hold either button on the key fob transmitter. The switch will blink on and off rapidly, then return to solid on and the mandrel on the paired RIPJACK™ will turn.
4. Pairing is now complete and THE RIPJACK™ is ready for use. Turn to pages 13-14 for THE RIPJACK™ operating procedures.

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 key fob transmitter temporarily disabled

## THE RIPJACK™ LED On/Off Switch, Key Fob Transmitter, and Pairing Process, continued

The operator will control THE RIPJACK™ solely via key fob transmitter after powering THE RIPJACK™ on with the on/off switch. Please reference the Operating Procedures for THE RIPJACK™ on pages 13 and 14.

### **▲ DANGER**



The key fob transmitter contains a small internal 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.

The large RIPJACK™ key fob transmitter is rechargeable and can be plugged into a USB outlet via the charging cable provided as needed. A 12V A23 internal battery powers THE RIPJACK's small key fob transmitter. To replace this battery:

1. Remove the MILWAUKEE M18™ battery pack 48-11-1820 from THE RIPJACK™.
2. On THE RIPJACK™ key fob transmitter, remove the screws holding the rear cover in place.
3. Remove the old battery.
4. Insert the new 12V A23 battery with the negative side toward the spring.
5. Replace the rear cover and screws on the key fob transmitter.

## THE RIPJACK™ Safety Strap and Safety Clamp

THE RIPJACK™ is designed to work hands-free via key fob transmitter after setup. For any strip taking place on the ground, simply ensure THE RIPJACK™ safety strap is securely connected to THE RIPJACK™ via the push-button latch and holster before beginning a strip. If you are using THE RIPJACK™ at any height greater than 4 feet (1.2 m) off the ground, you must also install and secure THE RIPJACK™ safety clamp at least 5 inches (13 cm) from the bottom end of the cable to be stripped before completing the strip. THE RIPJACK™ safety clamp is a custom endless loop ratchet strap assembly that will slide onto the end of the cable to be stripped.

If THE RIPJACK™ is more than 4 feet (1.2 m) off the ground, you should NEVER rely on only the single strand of concentric neutral to keep THE RIPJACK™ on the cable! THE RIPJACK™ safety clamp will work together with THE RIPJACK™ safety strap to prevent THE RIPJACK™ from falling off the cable mid-strip if the concentric neutral wire looped into THE RIPJACK™ mandrel were to break or become disconnected from THE RIPJACK™ mandrel.

Proper installation and tightening of THE RIPJACK™ safety clamp is critical for safe operation of THE RIPJACK™ in elevated situations. Always ensure that the safety clamp strap is properly installed and tightened against the cable and free of damage or wear before each use. Never use THE RIPJACK™ safety clamp for any purpose other than securing the end of the cable to be stripped.

Please read all steps below and review and understand Figures 1-9 thoroughly before using THE RIPJACK™ or its safety clamp. The ratchet strap should already be looped correctly through the ratchet buckle, but if not, thread the strap through the slot in the center spool of the closed ratchet buckle (Figures 1 and 2). Pull the strap through the slot to remove the slack (Figure 3).

Figure 1



Figure 2



Figure 3



## THE RIPJACK™ Safety Strap and Safety Clamp, continued

You will ratchet the strap down onto the cable by raising and lowering the ratchet handle (Figure 4) until the safety clamp (ratchet buckle and strap) are attached to the cable securely so that the safety clamp does not allow any slipping, sliding, or movement on the cable. Once fully tightened on the cable, close the ratchet handle completely (Figure 5). Always ensure that the ratchet cannot be tightened any further—even one more click of the ratchet--before proceeding with the cable strip.

Figure 4



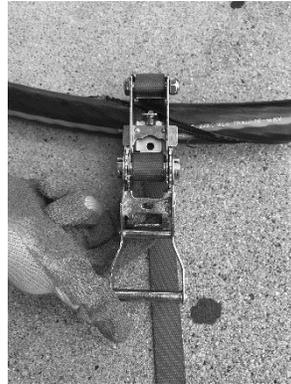
Figure 5



Figure 6



Figure 7



After you have completed the strip and you are holding THE RIPJACK™ by the handle, pull and hold the safety clamp's release tab (Figure 6). Open the ratchet buckle so it is completely open and flat (Figure 7).

Pull the strap from the non-fixed side to release the strap (Figure 8). Pull and hold the release tab to close the ratchet buckle for storage (Figure 9).

Figure 8



Figure 9



## Operating Procedures for THE RIPJACK™

Only use THE RIPJACK™ as directed. Only persons fully trained in the correct use of THE RIPJACK™ and educated on THE RIPJACK's safety (see pages 7-9 of this manual) and THE RIPJACK™ safety strap and safety clamp (see pages 11-12) should operate THE RIPJACK™. Please reference our website at [www.theripjack.com](http://www.theripjack.com) for operating instructions with pictures and video if desired.

1. Wear all personal protective equipment and follow all safety protocols as required by your company policy and this manual.
2. Charge the MILWAUKEE M18™ battery pack 48-11-1820 fully (refer to MILWAUKEE battery pack user manual if needed).
3. Inspect THE RIPJACK™, safety strap, key fob transmitter, and safety clamp for any signs of defect, such as cuts, abrasions, fraying, cracks, gouges, chips, leaks, or incorrect functioning. If found, DO NOT USE! Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ and any affected accessories to an Authorized Service Center for ALL repairs.
4. Slide the battery into THE RIPJACK™. Make sure the battery snaps securely into position in THE RIPJACK™ battery housing.
5. Expose approximately 5 inches (13 cm) of a single concentric neutral wire from the cable to be stripped.
6. Position THE RIPJACK™ with its rollers on the cable. The single exposed concentric neutral wire must be between the rollers. Keep one hand on THE RIPJACK™ handle to maintain its position on the cable until you have completed Step 10. NOTE: If you are using THE RIPJACK™ at any height greater than 4 feet (1.2 m), you must keep one hand either on the handle of THE RIPJACK™ or at the base of the cable until you have completed Step 11 to prevent THE RIPJACK™ falling off the cable.
7. ALWAYS ensure THE RIPJACK™ safety strap is completely fastened before proceeding! If the safety strap is not already encircling the cable to be stripped, remove the push-button latch of the safety strap from its holster, loop the strap around the cable, and refasten the push-button latch into its holster just below the on/off button.
8. Insert the single concentric neutral wire into the opening at the front of THE RIPJACK™ mandrel. The wire should extend less than 1 inch (2.5 cm) above the mandrel. Bend the wire around the mandrel to lock it into the mandrel opening. Make sure that the end of the wire protrudes in FRONT of the remaining wire to be stripped so it does not become tangled.
9. Push the on/off button on THE RIPJACK™ so the LED light comes on, signaling the tool is on and ready for use.
10. Holding the transmitter at least 2 feet (0.6 m) from THE RIPJACK™, press the up arrow on the transmitter to engage THE RIPJACK™. While the up arrow is pressed THE RIPJACK™ will advance helically around the cable, tearing through the URD cable outer jacket. If you are not using THE RIPJACK™ in an elevated situation, you may release THE RIPJACK™ handle after the concentric neutral wire has made 1-2 turns around THE RIPJACK™ mandrel and THE RIPJACK™ is secured to the cable.
11. If you are using THE RIPJACK™ at any height greater than 4 feet (1.2 m), once you have advanced THE RIPJACK™ so that 6 inches (15 cm) of cable is exposed behind THE RIPJACK™, you must install and secure THE RIPJACK™ safety clamp to the cable, behind and underneath THE RIPJACK™, and at least 5 inches (13 cm) from the bottom end of the cable. Then release THE RIPJACK™ handle. Hold the up arrow on the key fob transmitter to engage THE RIPJACK™ motor to complete the full strip.
12. 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 small increments as you near the end of the strip to ensure an accurate finish point.
13. If you are not using THE RIPJACK™ in an elevated situation, hold THE RIPJACK™ by the handle and press the down arrow on the key fob transmitter for 1-2 seconds to release the tension on the neutral wire in the mandrel opening.
14. If you are using THE RIPJACK™ in an elevated situation, engage the down arrow on the key fob transmitter until THE RIPJACK™ descends to your reach at the bottom end of the cable.
15. Release the neutral wire from the mandrel by pushing the tip of the wire in the opposite direction that it is bound. Slide the neutral wire away from the mandrel opening toward the body of the tool to avoid tangling the wire in the mandrel opening.
16. As you hold THE RIPJACK™ by its handle, remove the left end of the safety strap from its holster, unloop the strap from around the stripped cable, and refasten the strap into its holster on the left side of THE RIPJACK™.

## Operating Procedures for THE RIPJACK™, continued

17. Holding THE RIPJACK™ parallel to the cable so the neutral wire is clear of the front roller, pull THE RIPJACK™ away from the cable, keeping THE RIPJACK™ parallel to the cable, until the wire has almost fully unwound from the mandrel.
18. Hold the neutral wire securely with one hand while pulling THE RIPJACK™ mandrel free from the wire. Then secure the concentric neutral wire within your work space so that it will not contact anyone by accident. This wire can easily be straightened and reused as needed.
19. If you were working in an elevated situation, pull the safety clamp release tab to remove it from the bottom of the cable.
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 MILWAUKEE M18™ battery pack 48-11-1820 fully charged? → Check battery fuel gauge bars. The M18™ charger 48-59-1812 should display a green light when the battery is inserted.  
-Is the battery working correctly? → Try battery in another power tool. Or insert onto 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? Does 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 neutral wire won't lock in.

Is there enough wire to fit entirely through the slot of the mandrel? → If not, try stripping 1-2 more inches (2-5 cm) of wire and then push the wire against the mandrel opening to lock it into place.

The motor won't engage.

-Is the tool turned on? → You can tell if the LED light turns on when the "on" button is pressed and also if the mandrel turns when any button on the key fob transmitter is held down. If not, follow instructions above for troubleshooting "The tool won't turn on."  
-Is the on/off switch LED light flashing quickly for 5 seconds? → If so, follow instructions below for troubleshooting "The on/off switch is flashing."  
-Is the key fob transmitter working correctly? → If not, follow instructions below for troubleshooting "The key fob transmitter won't work."

The mandrel won't turn.

-Is the tool turned on? You can tell if the LED light turns on when the "on" button is pressed.  
→ If not, follow instructions above for troubleshooting "The tool won't turn on."  
-Is the on/off switch LED light flashing quickly for 5 seconds? → If so, follow instructions below for troubleshooting "The on/off switch is flashing."

The tool operates slowly/  
intermittently.

Use a fully charged battery pack that is at room temperature (60°F or 15°C). If slow/intermittent operation continues, warm THE RIPJACK™ up to room temperature before further use. Running THE RIPJACK™ without load 1-5 minutes may speed the warming process. If problems persist, follow instructions below to troubleshoot "The key fob transmitter won't work."

## Troubleshooting, continued

### PROBLEM:

### CHECK:

The key fob transmitter won't work.

-Is the tool turned on? → You can tell if the LED light turns on when the "on" button is pressed and  
-Is the on/off switch LED light flashing quickly for 5 seconds? → If so, follow instructions below for troubleshooting "The on/off switch is flashing."  
-If problems persist: → Move the key fob transmitter to a different location near your RIPJACK™, at least 2 feet (0.6m) away from THE RIPJACK™.  
→ Ensure that no other RIPJACK transmitters are operating at the exact same time within 200 feet (60 m) of your RIPJACK. If so, move your RIPJACK and transmitter farther away and retry.  
→ Verify that this specific key fob transmitter is correctly paired to this specific RIPJACK™ (see Pairing Process instructions on p. 10).  
→ Replace the small battery in the key fob transmitter or recharge your large key fob transmitter (see Key Fob Transmitter instructions on p. 11).  
→ Use the second key fob transmitter provided with your RIPJACK™ purchase.

The on/off switch is flashing.

-THE RIPJACK's overcurrent protection was activated to protect THE RIPJACK's electronics. Clear any obstacles/binds/wire tangles. Wait for 5 seconds and then re-engage the motor. If the overcurrent protection is tripped again, check to see if the tool is bound up on a foreign object before re-engaging the motor. Attempting to operate THE RIPJACK™ after THE RIPJACK™ has become extremely cold may also result in increased overcurrent tripping. Allow THE RIPJACK™ to warm up to room temperature before further use. Running THE RIPJACK™ without load for 1-5 minutes may speed the warming process.

The neutral wire is tangled.

Is the neutral wire sticking out beyond the slotted end of the mandrel? → If so, the wire tip may have wrapped underneath the rest of the 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. Next strip, make sure that less than 1 inch (2.5 cm) of wire extends beyond the mandrel after loading and that the end of the wire in the mandrel opening is looped in FRONT of the remaining wire to be stripped.

The neutral wire keeps breaking.

Check THE RIPJACK™ mandrel/surrounding area for any damage, nicks, or burrs. → If you find any, use a small file or sandpaper to smooth it out. Keep all sharp objects and hardened steel away from THE RIPJACK™ to avoid further damage. If you are unable to remove the nick or if other damage is causing the wire to break, DO NOT USE THE RIPJACK™. Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for repairs.

One/both rollers will not spin.

Verify that no dirt, sand, oil or anything else is obstructing the roller's ability to spin. → If so, remove as needed.

The safety strap/clamp is broken.

If the safety strap or safety clamp 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.

Any other issues:

If THE RIPJACK™ or any of its accessories show other signs of not working correctly or do not work correctly after troubleshooting, DO NOT USE THE RIPJACK™. Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ or its accessories 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 adjustments between different sizes of cable, regular concentric neutral, or flat strap concentric neutral. Tape shield, also called ribbon concentric neutral, will not work with THE RIPJACK™.

RIPJACK™ Cable Capacity Matrix	
Copper and aluminum conductor Concentric neutral wire #8, #9, #10, #12, #14 Flat strap neutral wire #8, #9, #10, #12, #14 All plastic cable jackets	#2
	1/0
	2/0
	3/0
	4/0
	250 MCM
	350 MCM
	500 MCM
	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 MILWAUKEE M18™ battery charger 48-59-1812 and remove the MILWAUKEE M18™ battery pack 48-11-1820 from the charger or 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™, battery pack, or charger. Call 1-833-RIPJACK and follow instructions to send THE RIPJACK™ to an Authorized Service Center for repairs if needed.

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 in a clean, dry environment at room temperature when not in use. Keep all sharp objects and hardened steel away from THE RIPJACK™ and its accessories to avoid any damage.

Keep THE RIPJACK™, battery pack, and charger in good repair by adopting a regular maintenance program. After one to two years, 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

## Proper Use and Care for THE RIPJACK™, continued

If THE RIPJACK™ does not start or function at full power while paired with a fully charged battery pack and a fresh battery in THE RIPJACK™ key fob transmitter, clean the battery pack contacts. If THE RIPJACK™ still does not work correctly, return THE RIPJACK™ and all accessories 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.

**⚠WARNING** Avoid using cleaning agents 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™. Harsh cleaners could ignite and cause property damage, serious injury, or death.



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 at [www.theripjack.com](http://www.theripjack.com) or email at [support@theripjack.com](mailto: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. Do NOT make any modifications to this device. If any modifications are made to THE RIPJACK™ controller, operation of THE RIPJACK™ in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Unauthorized changes or modifications will void the user's authority to operate this device under United States federal law.*

## Proper Use and Care for Battery Pack

**Please refer to MILWAUKEE M18™ LITHIUM-ION BATTERY PACK 48-11-1820 INSTRUCTIONS for complete information on operation and safety before using THE RIPJACK™.**

Recommended charging temperature for MILWAUKEE M18™ battery pack 48-11-1820: 40°F to 105°F (5°C to 40°C). Press the Fuel Gauge button provided on your 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.

This battery pack delivers consistent power during its 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.

This battery pack is designed to protect itself from damage and to extend its 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.

**⚠WARNING** Do not allow your battery pack to contact water or rain during usage or storage. Do not use solvents or oils to lubricate or clean your battery pack.



## Proper Use and Care for Battery Pack, continued

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 will repair or replace any part on THE RIPJACK™ that, after an examination by Dynamize representatives, it determines 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 a Dynamize 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.

PLEASE NOTE: THE RIPJACK™ has a tamper-evident seal inside its electronics enclosure that will show damage if this enclosure is opened. THE RIPJACK™ warranty is null and void if THE RIPJACK™ tamper-evident seal shows any evidence of tampering or damage upon inspection by a Dynamize Authorized Service Center.

To submit a request for warranty coverage review, contact us at 1-833-RIPJACK or [support@theripjack.com](mailto:support@theripjack.com) to schedule your return of THE RIPJACK™ to a Dynamize Authorized Service Center. Customer will prepay and insure freight. Please include a copy of your proof of purchase with the return. You do not need to register THE RIPJACK™ in order to receive applicable warranty coverage.

Dynamize's sole obligation under this limited warranty will be limited to either, at Dynamize's option, replacing or repairing defective goods and the customer's exclusive remedy for breach of this limited warranty will be enforcement of such obligation of Dynamize.

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 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 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 or text us at 1-833-RIPJACK or email us at [support@theripjack.com](mailto:support@theripjack.com) for all warranty and service questions or concerns.