

# LOCOLOC®

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Swaging Tools

**Loos Ends®**



## SL-RL-7NDK-R

Hand Swaging Tool Battery-Powered

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### Operator's Manual

This manual covers SL-7NDK-R2 through R10

**LOOS & CO. U.S.A.**

**CABLEWARE® DIVISION**



# SPECIFICATIONS

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Swages aluminum and copper oval sleeves for 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, and 5/16 sizes wire rope.

## CRIMPING TOOL

Output: 6 ton  
Weight: 5.9 lbs. with battery  
Size: 15.8"L x 4.5" H x 3.3" W

## BATTERY CARTRIDGE (BP-185)

Battery Type: Lithium Ion  
Voltage: 18V DC  
Rated current: 5.0 Ah  
Charge time: 1.5 hour  
Dimensions: 4.9"L x 2.75"W x 2.25"H  
Weight: 1.5 Lbs.

## BATTERY CHARGER (CH-285)

Input Voltage: 120V AC  
Charging Capacity: 24VA  
Dimensions: 6.25"L x 5.3"W x 3"H  
Weight: 2 lbs.

## BATTERY-POWERED COMPRESSION TOOL

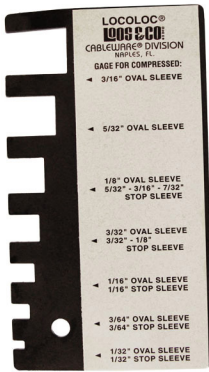
- Operates in Confined Underground Spaces
- 6 Ton Output
- Accepts "W" Type Dies
- One Hand Operation
- Fully-Enclosed Weather-Resistant Housing
- LED Work Lights
- 180° Rotational Head

# STANDARD ACCESSORIES

- 1 Set of Dies
- 1 Carrying Case
- 1 Battery Charger
- 2 BP-185 Lithium Ion Batteries
- 1 Carrying Strap
- 2 Gauges (GA-1P & GA-2P)



1 die set included. Others sold separately



GA-1P



GA-2P



BATTERY CHARGER



CARRYING CASE



BATTERY CARTRIDGE

# OPERATING INSTRUCTIONS

## CHARGING THE BATTERY

1. Insert the plug end into 120V power source. The LED indicator will be steady green indicating the charger is now in “stand-by” mode and ready to charge the battery. Do not plug the charger into a generator as this will likely cause the fuse in the charger to short, and will not operate.
2. To charge a drained battery, insert the battery into the charger until the LED indicator shows a steady amber. This indicates the battery is being charged and will be completed in approximately 90 minutes. The LED indicator will show a Steady Green (100%).
3. If the indicator shows a flashing amber LED light when the battery is inserted, the battery is too hot to be charged and must be cooled to room temperature before charging. Do not leave the battery in the charger to cool as the charger will not recognize the battery is inserted and will not charge.
4. If the LED indicator goes out or is flashing quick amber, this could be a possible short in the battery circuit, or a problem with the charger itself. It is best to consult the factory for service if such a condition occurs.



## ATTACHING THE BATTERY CARTRIDGE

1. While pressing the latch, pull up and out the battery cartridge. To replace the battery cartridge, push the new cartridge firmly into place.
2. After inserting a battery cartridge, check that it is securely in place by pulling gently. Do not press the latch when replacing the cartridge.



## TRIGGER AND RELEASE BUTTON

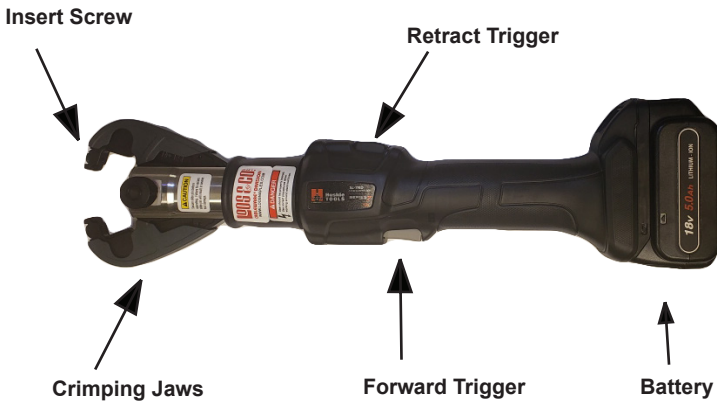
1. The ram advances when the trigger is pressed and stops when the trigger is released.
2. To retract the ram, push the release button. The ram continues to retract while the release button is pressed.

Ensure that you have read and understand the safety instructions included in this manual before you operate the tool.

Check whether the tool is damaged. Before using the tool, always carefully check that parts are functioning correctly.

Check that moving parts do not become stuck and are not damaged.

DO NOT use the tool if damaged or defective parts are detected. Damaged or defective parts must be repaired by a qualified technician.



Slide the battery into the handle until you hear a click.

Before using the tool, check that the movable piston is in its rest position (fully retracted, by actuating the retract trigger).

Loos battery-driven, handheld, open jaw swaging tool has a powerful 6-ton output which will crimp the 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, and 5/16 inch copper and aluminum oval sleeves on to the corresponding sizes of wire rope.

The tool utilizes interchangeable dies that are manufactured by Loos & Co. These dies are sold in pairs. One pair for each size sleeve

# REPLACEABLE DIES

(Sold Separately)

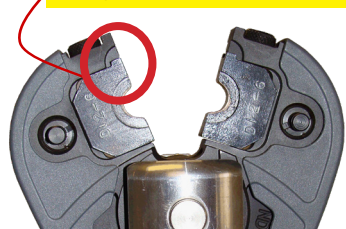


## INSERT DIE SET

Activate the retract trigger to open jaws of tool.  
Select proper die to be used and slide both pieces of the die set into jaws of the tool by unscrewing the insert screw (5) on slide of jaw, then slide die into place and hand tighten only.



**IMPORTANT:** Alignment tabs (ears) must be fully seated toward open end of the jaws. Die needs to fit all the way in. Otherwise, it will break the alignment tab (ear) on corner or damage tool.



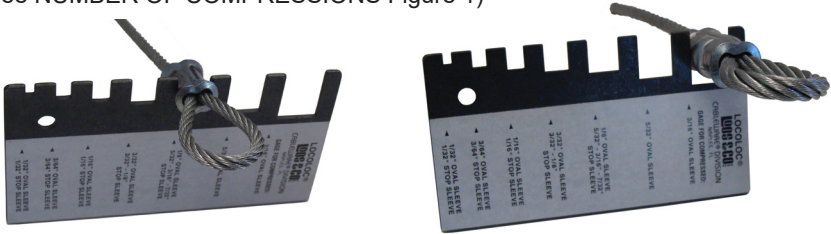
Place the cable sleeve to be crimped between the 2 dies. Press on the forward trigger to crimp the sleeve onto the cable. An audible click advises when the swage (crimp) is completed.

Open the jaws of the tool by pressing the retract trigger you may now crimp another sleeve or you may start another crimp cycle of the tool (for the larger 5/32, 3/16, 7/32, 1/4, 9/32, and 5/16 sleeves).





To assure maximum holding, allow end of the cable to extend at least one cable diameter beyond the sleeve after it is compressed. Finished sleeve should look like this. Be sure sleeves have been compressed the proper number of times. (See NUMBER OF COMPRESSIONS Figure 1)



Use the swaging gauge provided with the tool to check proper after swage diameter of sleeve. Compressed sleeve should slide into size slot in gauge.

Sleeves elongate after compression.

The following chart indicates to number of compressions for each size sleeve to obtain maximum holding strength. The powerful 6-ton tool requires only one compression for the 1/16, 3/32 and 1/8 size sleeves.

Select the proper die size for the sleeve to be swaged. Use only 3/32 sleeves with 3/32 die, 1/8 sleeve with 1/8 die and so on. For lap slices at least two oval sleeves should be used.

Cable Diameter	Use Die P/N	Number of Compressions	
		Aluminum Oval Sleeves	Copper Oval Sleeves
1/16	DI2-2	1	1
3/32	DI2-3	1	1
1/8	DI2-4	1	1
5/32	DI2-5	2	2
3/16	DI2-6	2	2
7/32	DI2-7	3	3
1/4	DI2-8	4	4
9/32	DI2-9	4	4
5/16	DI2-10	5	4

\* Special dies for Loos & Co. stainless steel sleeves only are available upon request.

**Figure 1**



# SAFETY

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Read all instructions - Failure to follow all instructions listed below may result in electric shock, fire and/ or serious injury. The term “power tool” in all the warnings listed below refers to your battery operated (cordless) power tool.



- This device contains a lithium button/coin cell battery. A new or used battery can cause severe internal burns and lead to death if swallowed or enters the body. Keep it away from children. If you think batteries may have been swallowed or entered the body, seek immediate medical attention.

## 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 bystanders away while operating a power tool. Distractions can cause you to lose control.

## 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 distraction while operating power tools may result in personal injury.
- Use personal protection equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

## Tool Use and Care

- To prevent leakage, overheating, smoke generation, fire, and rupturing from occurring, follow these instructions when handling our rechargeable power tools (tool main body/battery pack/charger).
- Do not force the tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it was designed.

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

**⚠WARNING** • Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing. Such preventive safety measures reduce the risk of starting the tool accidentally.

- Store idle tools out of the reach of children and do not allow persons unfamiliar with the tool or these instructions to operate the tool. These tools can be dangerous in the hands of untrained users.
- Maintain tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tools operation. If damaged, have the tool repaired before use.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- Under abusive conditions, liquid may be ejected from 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.

#### Battery and Charger Use and Care

- Before using battery charger, read all instructions and cautionary markings on battery charger, battery pack, and product using battery pack.

**⚠CAUTION** • To reduce the risk of injury, charge only Huskie Tools Battery Pack model BP-185. Other types of batteries may burst causing personal injury and damage.

- Do not leave charger and battery pack exposed to rain or snow, submerge in water, or stored in damp or wet locations.
- To reduce risk of damaging the electric plug and cord, pull by plug rather than cord when disconnecting charger.
- Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not disassemble charger or battery pack, contact Huskie Tools service dept. at 800-860-6170 when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Do not store the tool and battery pack in locations where the temperature may reach or exceed 50°C (122°F) (such as a metal tool shed, or a car in the summer), which can lead to deterioration of the storage battery.
- Do not charge battery pack when the temperature is BELOW 0°C (32°F) or ABOVE 40°C (104°F). This is very important to maintain optimal condition of the battery pack.

**⚠CAUTION** • The charger is designed to operate on standard 120V AC electrical power only. Do not attempt to use it on any other voltage.

- Charge the battery pack in a well ventilated place, do not cover the charger and battery pack with a cloth, etc., while charging.
- Use of an attachment not recommended may result in a risk of fire, electric shock, or personal injury.
- Do not short the battery pack or allow metal objects to touch the terminals.

**⚠WARNING** A battery short can cause a large current flow, over heating and create the risk of fire or personal injury.

- Huskie Tools is not responsible for any damage or accident caused by the use of recycled or counterfeit battery pack.
- Do not incinerate the battery pack or dispose of the battery pack in a fire, or expose it to excessive heat.
- Do not charge the battery pack in a high-temperature location, such as next to a fire or in direct sunlight. Otherwise, the battery may overheat, catch fire, or explode.
- After removing the battery pack from the tool or the charger, always re-attach the pack cover. Otherwise, the battery contacts could be shorted, leading to a risk of fire.
- When the Battery Pack Has Deteriorated, Replace It with a New One. Continued use of a damaged battery pack may result in heat generation, ignition or battery rupture.
- When storing, remove any material cuttings and dust from the battery pack, and place the battery pack separately from metal objects (screws, nails, etc.) when storing in the tool case.

# LED SCREEN

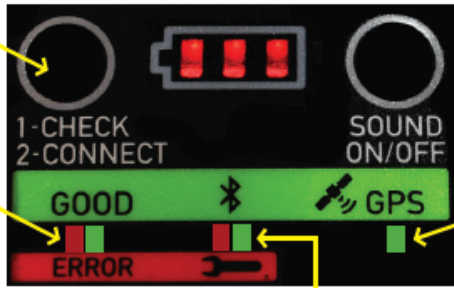
## ADVANCED TOOL AND BATTERY PERFORMANCE MONITORING

The SERIES 7 tools feature newly developed PCB integrated into the tools hydraulic circuit for monitoring battery capacity, recording cycle count and output pressure, as well as the time, date, and location stamp.

There is a visual display integrated into the tool housing on all “REC” and “SL” models. This display is a visual for complete or incomplete tool cycle, battery status indicator, confirming GPS recorded location, Bluetooth connection indicator, and service alert visual LED when needed.

Press once to check battery capacity, twice to activate BLUETOOTH

Green LED indicates complete “GOOD” cycle. Red LED indicates incomplete “ERROR”

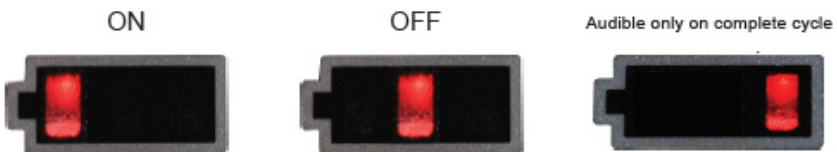


Green LED when GPS signal is active

Flashing green LED for BLUETOOTH connection AND Red LED when service is needed

## AUDIBLE ALERTS

The audible alerts on the tools can be turned “ON” or “OFF”. From the factory, the compression tools are set to be “ON” and all cutting tools are set to “OFF”. This can be changed on any tool by pressing and holding the “SOUND” button for 5 seconds until the battery indicator LED illuminates. The first LED indicates audible alerts “ON”, and by pressing the “SOUND” button again, will illuminate the second LED which will indicate the audible alerts “OFF”. The third LED indicates “ON” for “Good” and “OFF” for “Error” – this can be toggled back and forth by pressing the check button until the desired audible alert status is reached.



# BLUETOOTH CONNECTIVITY

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## BLUETOOTH CONNECTIVITY

The tools use a Bluetooth signal to connect to a laptop, desktop, or smart device via an APP. This connection will serve as a means by which the software can “read” and “write” data stored in the tool circuitry.

The stored data can be read and exported to .pdf document or a Microsoft Excel document via the proprietary software “Huskie SERIES 7 Data Management System”, which is available for free download at Microsoft Store.

Some data fields are locked such as tool model and serial number, as well as certain parameter settings that function as control points for output pressure, cycle counts, and service interval cycles. These fields are password protected but can be changed by service technicians that need to reprogram new boards in the case of damage. Other data fields are writable for record keeping such as field notes for service, assignment to a truck number or crew, jobsite, etc.

The data will give a user the ability to see the last recorded 500 cycles the tool made with time, date, and location stamp, viewable on Google Maps as well as pressure output and a tool diagnosed “complete” or “incomplete” cycle. They can also view the output pressure settings, and adjust if necessary. Like all the stored data, it too can be exported to .pdf document or Microsoft Excel document.

The GPS chip located inside the tool is not connected to a service provider for the use of tracking a misplaced or stolen tool in such an event. If the tool is in a location where it cannot receive a satellite signal to record the location, that recorded line is simply blank where a MAP icon would normally be. All other parameters are recorded.

# TROUBLESHOOTING GUIDE

## Troubleshooting

### Before You Begin

- 1) Make sure that the battery is charged. Recheck the battery after several minutes to make sure the battery is holding its charge.
- 2) Use a nonflammable contact cleaner or pencil eraser to clean the electrical contacts on the battery and tool.
- 3) Reinstall the battery and check the tool again.

PROBLEM	CAUSE	SOLUTION
MOTOR RUNS, BUT THE TOOL JAW WILL NOT ADVANCE	Insufficient Hydraulic Oil	Consult Factory for Repair Service
	Air Block in Hydraulic System	Invert tool to allow air to rise towards the top of the oil bladder
	Defective Hydraulic Circuit	Consult Factory for Repair Service
MOTOR RUNS, TOOL JAWS ADVANCE, BUT WILL NOT BUILD PRESSURE	Insufficient Hydraulic Oil	Consult Factory for Repair Service
	Defective Suction Valve or Bypass Cartridge	Consult Factory for Repair Service
MOTOR WILL NOT RUN AT ALL	Defective Battery	Charge or Replace Battery
	Bad Contact or Loose Battery Connections	Check all Connections and Wires
	Misaligned Switch	Check to Make Sure that Switch is Properly Aligned with Trigger
Consult Factory for Repair Service		
TOOL JAWS WILL NOT RELEASE	Tool Did Not Complete A Full Cycle and Bypass	Press Trigger and Allow Tool to Bypass, Then Release Tool Jaw
	Connector is Jammed in Tool Jaws	Press and Hold Release Trigger While Prying Tool Jaws Apart
	Release Trigger is Bent or Misaligned	Consult Factory for Repair Service

# WARRANTY

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Huskie Tools products carry a warranty that makes us a leader in the tool industry. No other manufacturer dares to back its tools as we do.

## PRODUCT WARRANTY

REC-Series battery-operated products	5 Years
7 Pro Line Battery Operated Products	5 Years
Power Tools	3 Years
Batteries (BP-185)	3 Years
Chargers (CH-185, CH-285)	3 Years

The warranty does not cover any damages incurred from a Huskie tool including damages to property, bodily injuries, and lost wages resulting from such injuries. This warranty solely covers the repair or replacement of tools supplied by Huskie. These remedies are exclusive, and the total liability of Huskie Tools, Inc. whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the tool. In no event shall Huskie Tools, Inc. be liable for consequential, incidental or special damages.

HUSKIE TOOLS, INC. MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

## WARRANTY (CONT.)

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Huskie reserves the right to determine all warranty claims. Huskie will not warranty tools containing parts or batteries not originally supplied by Huskie. Failure due to misuse, improper maintenance, misapplication, not following instructions or warnings, abuse or repairs attempted by anyone other than Huskie Tools, Inc. or an authorized service center renders this warranty null and void.

### **Repair and Warranty Claims**

All claims must be sent to Huskie for inspection and authorization. A Return Goods Authorization (RGA) is required before shipping tools to Huskie. Secure the authorization by telephoning or writing to Huskie's main office with details of the claim. Non-warranty repairs are handled using the same procedure. Repairs exceeding 50 percent of the cost of a new tool will be advised before repairs are made.



Do not discard this product or throw away!  
For recycling information, contact 800-822-8837



# LIMITED WARRANTY

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Every tool supplied by Huskie Tools (“Huskie”) is warranted to original purchaser only, to be free of defects in material and workmanship. Subject to certain exceptions; Huskie will repair or replace any tool which, after examination, is determined by Huskie to be defective in material or workmanship for a period of five (5) years after date of purchase unless otherwise noted\*. Product return to Huskie Tools or Authorized Warranty Repair Center, freight prepaid and insured, is required. If available, a copy of proof-of-purchase should be included with returned product. This warranty does not apply to tools containing parts or batteries not originally supplied by Huskie Tools; or damage that Huskie, in its sole discretion, determines to be from repairs made or attempted by anyone other than Huskie authorized personnel, or accidents, alterations, abuse, misuse, normal wear and tear, improper maintenance, or not following instructions or warnings.

- The warranty period for IL-Series Tools, Series 7 Power Tools, BP-185 Batteries, CH-185 & CH-285 Battery Chargers, and Makita® LXT® Batteries and Chargers is three (3) years from date of purchase. The warranty period for ECO-Series Tools, BP- 82 Batteries, Compression Dies, TiiGER Pole Puller and material handling products, Hydraulic Hoses & Fittings, Ratchet Cutters, Cable Grips, and other Accessories is one (1) year from the date of purchase. Warranty registration is not necessary to obtain applicable warranty on Huskie Tools products. Depending on the product, manufacturing date, date code, or inservice date of the product will be used to determine applicable warranty period if no proof-of-purchase is provided at the time warranty service is requested.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, WRITTEN OR ORAL. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. ACCEPTANCE OF THE EXCLUSIVE REPAIR AND REPLACEMENT REMEDIES DESCRIBED HEREIN IS A CONDITION OF THE CONTRACT FOR THE PURCHASE OF EVERY HUSKIE TOOLS PRODUCT. IF YOU DO NOT AGREE TO THIS CONDITION, YOU SHOULD NOT PURCHASE THE PRODUCT. IN NO EVENT SHALL HUSKIE BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES ARISING FROM THE SALE OR USE OF THE PRODUCTS SOLD UNDER THESE WARRANTIES, 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. TO THE EXTENT PERMITTED BY LAW, HUSKIE 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 A IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

## WARRANTY (CONT.)

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Warranty claims must be sent to Huskie Tools or Authorized Warranty Repair Center for evaluation, authorization, and repair.

- Product return to Huskie Tools or an Authorized Warranty Repair Center, freight prepaid and insured, is required.
- Huskie Tools and Authorized Warranty Repair Center contact information can be found at <https://huskietools.com/resources/repairs-and-returns>.
- Warranty claims being sent directly to Huskie Tools must obtain a Return Goods Authorization (RGA) prior to shipping the item. An RGA request can be initiated by contacting Huskie Tools at 800-860-6170, [info@huskietools.com](mailto:info@huskietools.com) or online using link above.
- Warranty claims being sent to an Authorized Warranty Repair Center should contact the selected repair center for information on their specific return/repair process.
- Tools repaired under Warranty will be returned to customer freight prepaid.
- Warranty repairs are warranted for one (1) year or balance of original warranty period, whichever is longer.

Non-Warranty repairs are to be handled using the same procedure above, with the following exceptions:

- A Non-Warranty repair estimate will be provided prior to initiating repair, unless otherwise directed by the customer.
- Customers are allowed 60-days to approve repair estimates. If customer approval is not provided within that timeframe, the tool will be removed from our system and recycled.
- Customers requesting return of unrepaired tools will be assessed a \$35 repair estimate fee. Estimate fees are waived if tool is to be recycled by Huskie, or if customer purchases a new tool.
- For liability reasons, any unrepaired tools will remain disassembled when being returned to customers.
- Customers are responsible for return freight charges for non-warranty repaired or unrepaired tools.
- Non-warranty tool repairs receive a one ( 1) year warranty on labor and parts replaced at time of repair.



195 Internationale Blvd, Glendale Heights, IL 60139  
Phone: (800) 860-6170 Fax: (800) 345-3767  
HuskieTools.com



901 Industrial Blvd • Naples, FL 34104  
Tel: (239) 643-LOOS • Fax (239) 643-4558  
E-mail: [sales@loosnaples.com](mailto:sales@loosnaples.com) • Website: [www.loosnaples.com](http://www.loosnaples.com)