

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

Always Moving Forward®

Operating Manual

Please Read Before Operating Unit



MODEL L (SERIES) WIRE STRIPPERS & LEAD CLEANERS

Please Call for Service or Spare Parts

The Eraser Company, Inc.
PO Box 4961
Syracuse, NY 13221, USA

Phone: (315) 454-3237
Fax: (315) 454-3090
Website: www.eraser.com
E-mail: info@eraser.com

Always Moving Forward®

Made In The U.S.A.

ROTARY INSERT WIRE STRIPPERS & LEAD CLEANERS

SPECIFICATIONS

WIRE STRIPPING

Wire Size:
- L2S & L4 ..... 29-8 AWG (0.28-3.25mmø)
- L2AS ..... 8-4 AWG (3.25-5.18mmø)

Maximum Strip Length:
- L2S .... 3-1/2" (89mm); 1-5/16" (33.3mm) with strip length stop
- L2AS .... 1-1/2" (38mm); 1-5/16" (33.3mm) with strip length stop
- L4 ..... 3" (76.2mm) no strip length stop available

COMPONENT LEAD CLEANING

- Lead Diameter.....0.011"-0.128" (0.28-3.25mmø)
- Cleaning length ..... Up to 2-1/2" (63.5mm)
- Close-up cleaning .....Flush with component body or length stop permits precise cleaning of only part of lead

ALL APPLICATIONS

Decibel rating
- L2S, L2AS .....58 dB(A)
- L4 .....100 dB(A)

Power
- L2AS ..... 1/15 HP motor, 120V 60Hz
- L2S..... 1/7 HP motor, 120V 60Hz
- L4 ..... Clean lubricated air up to 90 P.S.I. at 32 C.F.M.

Size
- L2S, L2AS .....11" x 6" x 7-1/4" (114mm x 203mm x 178mm)
- L4 ..... 1-3/4" diameter x 8-1/4" long (44mmø x 210mm)

Weight
- L2S, L2AS .....11 lbs. (5 Kg)
- L4 .....2 lbs. (910g)

ORDERING INFORMATION

BENCH Rotary Insert Wire Stripper

AR2051 (L2S).....120V 60Hz
AR2071 (L2AS) 120V 60Hz

PORTABLE Rotary Insert Wire Stripper

AR0180 (L4) ..... Air operated; up to 90 P.S.I. at 32 C.F.M.

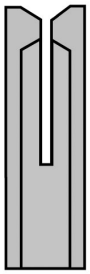
IR0104 ..... Chuck assembly for 3/8" (9.5mmø) diameter inserts for use on L2S & L4
IR0106 ..... Chuck assembly for 1/2" (12.7mmø) diameter inserts for use on L2AS & L4A
INSERTS .....see L Series Stripping Inserts

REPLACEMENT PARTS

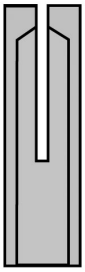
TR0630..... Collet nut for chuck assembly IR0104
TR5086..... Collet nut for chuck assembly IR0106
PR3878.....Double angle collet for chuck assembly IR0104
TR8329.....Length Stop Rod
PG2508 .....L1, L2S, L4 Collet Wrench (2) Required
PR3742..... L2AS, L4A Wrench (2) Required

ROTARY INSERT WIRE STRIPPERS & LEAD CLEANERS

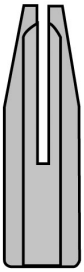
L-SERIES STRIPPING INSERT CONFIGURATIONS



CONCAVE



FLAT FACE



BULLET NOSE

Inserts are available in two grades of material - Heavy Duty and Tungsten Carbide tipped. As shown above, 3 configurations are available: Concave face permits easy wire entry, flat face permits stripping flush to the coil body and bullet nose permits stripping in confined areas.

WIRE SIZE	HEAVY DUTY GRADE INSERTS			MACHINE USED ON
	Concave Face	Flat Face	Bullet Nose	
29-24 AWG (0.28-0.51mmø)	IR1951 (L30HC)	IR1961 (L30HF)	IR1981 (L30HB)	L2S, L4, IR0104
24-20 AWG (0.51-0.81mmø)	IR1952 (L35HC)	IR1962 (L35HF)	IR1982 (L35HB)	
20-16 AWG (0.81-1.30mmø)	IR1953 (L31HC)	IR1963 (L31HF)	IR1983 (L31HB)	
15-13 AWG (1.45-1.83mmø)	IR1954 (L33HC)	IR1964 (L33HF)	IR1984 (L33HB)	
13-11 AWG (1.83-2.31mmø)	IR1955 (L38HC)	IR1965 (L38HF)	IR1985 (L38HB)	
11-9 AWG (2.31-2.90mmø)	IR1956 (L34HC)	N/A	IR1986 (L34HB)	
9-8 AWG (2.90-3.25mmø)	IR1957 (L37HC)	N/A	N/A	
8-6 AWG (3.25-4.11mmø)	IR1958 (L39HC)	N/A	N/A	L2AS, IR0106
5-4 AWG (4.62-5.18mmø)	IR1959 (L40HC)	N/A	N/A	

WIRE SIZE	CARBIDE TIPPED INSERTS		MACHINE USED ON
	Concave Face	Flat Face	
24-20 AWG (0.51-0.81mmø)	IR9017 (L35CC)	IR9018 (L35CF)	L2S, L4, IR0104
20-16 AWG (0.81-1.30mmø)	IR9027 (L31CC)	N/A	
15-13 AWG (1.45-1.83mmø)	IR9037 (L33CC)	N/A	
13-11 AWG (1.83-2.31mmø)	IR9047 (L38CC)	N/A	

IMPORTANT SAFETY INSTRUCTIONS
READ ALL INSTRUCTIONS

IMPORTANT! DO NOT OPERATE MACHINE UNTIL YOU HAVE READ THOROUGHLY, AND UNDERSTAND COMPLETELY, ALL PRECAUTIONS, INSTRUCTIONS AND INFORMATION ON THESE PAGES. THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS. IT SHOULD BE RETAINED WITH THE MACHINE FOR FUTURE REFERENCE.

SAFETY PRECAUTIONS - MECHANICAL

! DO NOT OPERATE UNIT WITHOUT GUARDS IN PLACE OR WITH DAMAGED GUARDS.

! DO NOT DEFEAT ANY OF THE SAFETY FEATURES.

! DO NOT PLACE FINGERS OR APPENDAGES NEAR MOVING PARTS OR IN OR NEAR OPENINGS IN GUARDS.

SAFETY PRECAUTIONS - ELECTRICAL

! ALWAYS UNPLUG UNIT FROM POWER SUPPLY PRIOR TO ANY MAINTENANCE.

! DO NOT RUN UNIT WITH INCORRECT LINE VOLTAGE.

! NEVER RUN MACHINE WITH DAMAGED OR WORN POWER CORD.

! NEVER MODIFY THE PLUG PROVIDED. IF IT WILL NOT FIT INTO THE OUTLET, HAVE THE PROPER OUTLET INSTALLED BY A QUALIFIED ELECTRICIAN.

GROUNDING INSTRUCTIONS. Grounding provides a common return path for electric current to reduce the risk of electric shock. This machine is supplied with an electric cord with an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a licensed electrician if in doubt as to whether the machine is properly grounded.

SAFETY FIRST - USE BEST PRACTICES

ALWAYS USE SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses; they are NOT safety glasses. Also use face or dust mask if cutting operation
is dusty.

REMOVE ADJUSTING KEYS AND WRENCHES. Form a habit of checking to see that keys and adjusting wrenches are removed from machine before turning it on.

KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents. Always leave at least 12” (305 mm) of space around all sides and top of unit.

DON’T USE IN DANGEROUS ENVIRONMENTS. Do not use or locate machine in high-humidity environments, or expose to rain. Keep work areas well lighted.

WEAR PROPER APPAREL. Do not wear loose clothing, such as gloves, neckties, rings, bracelets, necklaces or any other clothing or jewelry that might get caught in moving parts. This is not an all-inclusive list. Wear protective hair covering to contain long hair. Non-slip footwear is recommended.

DON’T OVERREACH. Maintain proper footing and balance at all times.

MAINTAIN BLADES WITH CARE. Keep blades sharp and clean for optimal performance. Follow instructions for lubricating and changing blades and all accessories.

DISCONNECT MACHINE FROM POWER SUPPLY. Unplug the unit before servicing and when changing accessories.

DO NOT EXCEED THE UNIT’S MAXIMUM MATERIAL SPECIFICATIONS. Eraser’s warranty will be null and void if machine has been used in any manner that is contrary to these instructions.

CHECK FOR DAMAGED PARTS. Before continued use of the machine, the guard and all moving parts should be carefully inspected to ensure that nothing is damaged.

Ensure proper alignment of moving parts. Check for any binding of moving parts, breakage of parts, and any other condition(s) that may affect operation. Any damaged part(s) should be properly repaired or replaced prior to any continued use of the machine.

ONLY ALLOW TRAINED AND QUALIFIED PERSONNEL TO OPERATE UNIT. Always keep these instructions within reach of the machine.

USE RECOMMENDED ACCESSORIES ONLY. Consult this operating manual for recommended accessories. Use only parts supplied by The Eraser Company, Inc. Use of improper accessories will void Eraser’s warranty and may increase risk of injury.

ALL REPAIRS SHOULD BE PERFORMED BY AN ERASER COMPANY REPRESENTATIVE ONLY. Unauthorized disassembly of machines will void Eraser’s warranty.

WHEN USING MACHINERY, ALL SAFETY PRECAUTIONS – INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE - SHOULD BE FOLLOWED TO REDUCE THE RISKS OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, AND DEATH.

L SERIES MODEL WIRE STRIPPERS & LEAD CLEANERS OPERATING MANUAL

SET-UP:

INSERT INSTALLATION:

Installation of the stripping insert into the collet is the same for all models except where specified.

Remove the guard. Models L2S and L2AS have a plastic guard. Model L4 has a metal guard.

The collet has two parts. The first holds the stripping insert and is mounted on the motor shaft by use of a set screw. The second part screws onto the first part and varies the pressure on the insert to allow adjustability for different wire sizes. It is not necessary to remove the collet assembly from the motor shaft to install the stripping insert. Unscrew the front part of the collet from the insert holder. Slide the insert into the holder, aligning the slots in the insert with the slots in the holder.

On Models L2S and L4, the insert should protrude 1/8" - 3/16" (3.1 - 4.8mm) from the front of the collet. Screw the front part of the collet back on and finger tighten. Slide a sample of the wire to be stripped into the insert. Use the collet adjusting wrenches in the flats on the collet to tighten the collet down until the sample wire is tight in the insert. Remove the wire. Replace the guard.

On the L2AS, push the insert all the way in until it stops. There is a small flat on the rear of all 1/2" inserts used on these units. This feature will prevent the insert from slipping in the collet during stripping. The insert should be oriented so that the flat is aligned with the small set screw located on the outside of the collet. Push the insert into the collet until it seats on the inside shoulder of the collet, then tighten the set screw down on the flat using the Allen wrench provided with the unit. For proper operation, ensure that the stripping insert is seated on the shoulder inside the collet and the set screw engages the flat on the stripping insert.

STRIP LENGTH STOP:

Models L2S and L2AS only

Models L2S and L2AS have a strip length stop rod that protrudes from the motor shaft and is held in place by a small set screw on the motor shaft. Using the larger of the 3 Allen wrenches provided, loosen the set screw holding the collet assembly to the motor shaft, and slide the assembly off the shaft. Adjust the strip length rod to the desired position using the smaller of the Allen wrenches provided.

AIR SUPPLY:

Model L4 only

The L4 requires a clean, lubricated air supply which can deliver 3 C.F.M. at 90 PSI. Attach an air fitting of the proper style to the end of the air hose to enable it to be connected to the air supply. If the optional PR0003 combination air/filter/lubricator is being used, the air hose of the L4 should be connected to the output side of this and the air supply connected to the other side.

! CAUTION: Never operate the L4 at an air pressure higher than 90psi.

OPERATION:

NOTE: Safety glasses or other suitable eye protection should be worn when using these units.

Models L2S & L2AS:

The L2S & L2AS may be operated with either clockwise or counter-clockwise motor rotation. This feature facilitates longer insert life. When an insert begins to wear, reverse the rotation to utilize the opposite stripping edges of the insert. To change the direction of motor rotation, turn off power to the unit, and then press the reversing switch located on the rear of the unit.

Turn the unit on. Insert the wire into the stripping insert. The wire will strip while being pushed in, not while being withdrawn. If the wire does not strip, turn the unit off, remove the guard and use the two collet adjusting wrenches (supplied) to tighten the insert further. Replace the guard and try the wire again. Repeat this procedure as often as necessary until a satisfactory strip is achieved. If using the strip length stop (models L2S or L2AS only) insert the wire until it butts against the stop, then withdraw. Once set, the unit may be used continuously.

Keep the unit clean and free of insulation dust, and replace inserts when worn. No other maintenance is required.

Replace the collet assembly with stripping insert and the plastic guard.

After replacing the collet assembly and guards on the unit, connect the unit to the power supply.

L SERIES MODEL WIRE STRIPPERS & LEAD CLEANERS OPERATING MANUAL

Model L4
The L4 will only operate with counter-clockwise rotation. Depress the handle to start the unit and insert the wire into the insert. The wire will strip as it is being inserted, not as it is being withdrawn. If the wire does not strip, release the handle, remove the metal guard and use the collet adjusting wrenches to tighten the insert. Replace the guard and strip the wire again. Repeat this procedure as often as necessary until a satisfactory strip is achieved.

The L4 model has a slotted motor adjusting screw located on the bottom of the unit near the air intake end. The speed of the motor may be adjusted slightly by turning the screw.

MAINTENANCE:

Models L2S & L2AS
Keep the unit clean and free of insulation dust, and replace inserts when worn. No other maintenance is required.

Model L4
The L4 unit should be lubricated DAILY with a turbine or spindle grade oil containing a rust inhibitor with a viscosity of 100 to 150 S.U.S. at 100° F. To lubricate, unscrew the air hose from the back of the unit and pour 2-3 drops of oil directly into the intake port of the unit. The handle hinge pin should also be lubricated periodically, using a drop of lightweight oil. Replace inserts when worn, and keep unit clean and free of insulation dust.

IMPORTANT: NO LIABILITY WILL BE INCURRED BY THE ERASER CO. FOR INJURY, DEATH, OR PROPERTY DAMAGE CAUSED BY A PRODUCT WHICH HAS BEEN SET UP, OPERATED, AND/OR INSTALLED CONTRARY TO ERASER'S WRITTEN INSTRUCTION MANUAL, OR WHICH AS BEEN SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENT, OR WHICH HAS BEEN REPAIRED OR ALTERED BY ANYONE OTHER THAN THE ERASER COMPANY, OR WHICH HAS BEEN USED IN A MANNER OR FOR A PURPOSE FOR WHICH THE PRODUCT WAS NOT DESIGNED.

SYMBOLS:

GROUND LOCATION



This protective Earth ground label is located inside the housing beside the ground wire. This wire is connected to the Power Supply Cable and is wired back through the Mains supply to ground.

CAUTION LABEL



Refer to the operating instructions before using this unit. High voltage is inside this unit and power must be disconnected before servicing.

ON/OFF LABEL



This is the ON/OFF switch. Press I for on and press O for off. This switch is also the anti-start switch. In case of power outage, this switch must be reset for the unit to operate.

ROTATION DIRECTION



Rotation of the head may be reversed by pressing this rotation switch.

L SERIES MODEL WIRE STRIPPERS & LEAD CLEANERS OPERATING MANUAL

TROUBLE SHOOTING:

PROBLEM: Wire does not strip
SOLUTIONS:
1) Check that insert size is correct for wire being stripped.
2) Tighten collet on insert.
3) Check that slots of insert are aligned with slots of collet.
4) Check that insert is pushed back far enough into the collet.
5) Check if insert is worn, and replace.

PROBLEM: Wire breaks when inserted
SOLUTIONS:
1) Loosen collet on insert.
2) Check that insert size is correct for wire being stripped.
3) Check that there are no kinks or bends in the wire. Wire must be straight going into the insert.

PROBLEM: Motor does not run (Model L4 only)
SOLUTIONS:
1) Check that air supply is adequate, 90 PSI, 3 C.F.M.
2) Check the motor adjusting screw on underside of unit to ensure it is open. This screw orients an internal air port.

The Eraser Company, Inc.
PO Box 4961
Syracuse, NY 13221, USA

Always Moving Forward®

Phone: (315) 454-3237
Fax: (315) 454-3090
Website: www.eraser.com
E-mail: info@eraser.com

IR5322
REV 6/2024

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP