Always Moving Forward®

Operating Manual

Please Read Before Operating Unit

Model RT2S Wire Stripper & Component Lead Cleaner

Service and All Spare Parts Available

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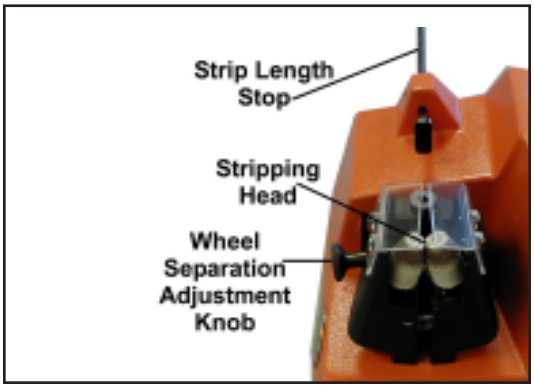
Made In The U.S.A.

FYBRGLASS WHEEL STRIPPER FOR FINE MAGNET WIRE



SPECIFICATIONS

Wire sizes:

Maximum .....28 AWG (0.33mmø)
Minimum ..... 48AWG (.03mmø)
Strip length ..... 0 to infinity
Close-up stripping Within 1/8" - 3/16"
(3.2mm - 4.76mm) depending on size of coil body
Component Lead Diameter .....0.0012" - 0.013"
(.03 - 0.33mm)

Dimensions.....11 5/8" W x 7" D x 6 1/4" H
(295 mm x 178 mm x 159 mm)
Weight .....8.5 lbs

Fybrglass wheel grades:

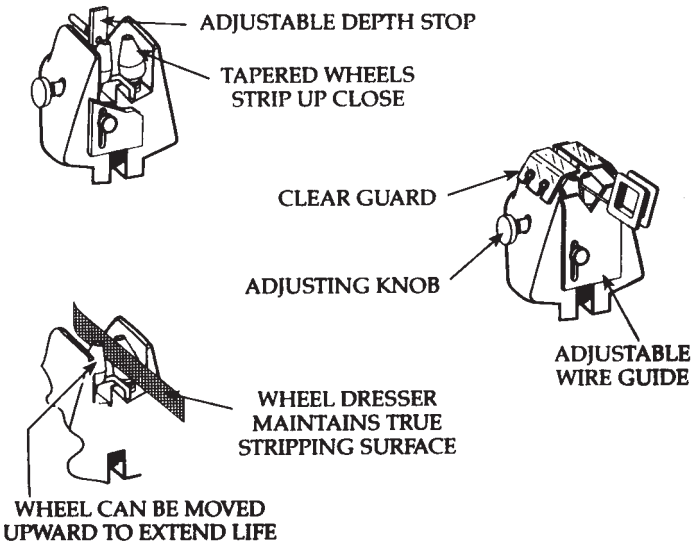
AE0279..... Coarse, for wire sizes 28 - 30 AWG
(0.33 - 0.20mmø)
AE0280..... Medium, for wire sizes 30 - 36 AWG
(0.25 - 0.13mmø)
AE0281..... Fine, for wire sizes 35 - 48 AWG
(0.14 - 0.046mmø)

ORDERING INFORMATION

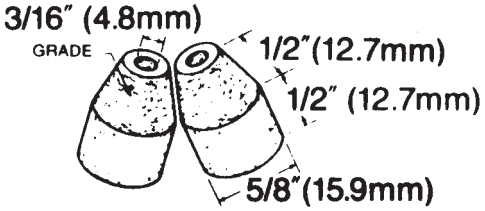
AR0221 (RT2S)..... Fine wire stripper 115V 60Hz

AE0279 (RT201)..... Pair of FybRglass® Wheels
AE0280 (RT553)..... Pair of FybRglass® Wheels
AE0281(RT640)..... Pair of FybRglass® Wheels
AR3020.....Wheel dressers (Packet of ten)

OPERATION



FYBRGLASS WHEEL DIMENSIONS



MODEL RT2S FINE MAGNET WIRE STRIPPER AND COMPONENT LEAD CLEANER

OPERATING INSTRUCTIONS

SET UP:
The RT2 is supplied complete with adjusting wrench, two spare drive belts, one wheel dresser strip and with a strip length stop. Wheels must be ordered separately. See Ordering Information for specifications.

For a complete listing of available wheels, see the last page in this manual.

A 1-3/8" (35mmø) diameter dust take-off port is located on the left side of the machine and can be exposed by removing the press-in plug. When the RT2S is used regularly in a production environment, it is recommended that a dust collector be used and connected to the dust take-off port.

To change stripping wheels, remove plexiglass wheel guards by loosening the two screws holding each guard to the stripping head. Wheels are a friction fit on machine spindles, gently ease wheels off the spindles. If wheels are stubborn, gently lever wheels up spindles by placing the tip of a screwdriver between the bottom of the wheel and the spindle collar. Wheels are installed by pushing the each wheel firmly on to the spindle as far as it can go. Replace plexiglass guards after installing wheels.

If strip length is critical, set the strip length stop to correct position using the wrench supplied. The strip length produced is the distance from the end of the stop to the point of contact of the stripping wheels.

With machine off, loosen “V” shaped wire guide at front of the stripping head by turning retaining screw and push wire guide down to the right 90°, exposing the wheels. Turn the wheel separation adjusting knob on the left side of the head counter-clockwise to separate the wheels.

Plug the unit into the appropriate power supply: 120V 60 Hz.

Switch machine on using on/off switch located at the rear of the unit. Allow the machine a few seconds to reach operating speed before adjusting for wire size as below.

OPERATION:
Set up for wire size is by trial and error. Insert a sample of the wire to be stripped between the stripping wheels and slowly turn the wheel separation adjusting knob on the left of the stripping head clockwise until a slight pull on the wire is felt. Remove wire by pulling through the wheels. Check that strip achieved is satisfactory and make further adjustments to wheel separation as necessary.

Turn machine off and return “V” shaped wire guide to an upright position so that the bottom of the “V” is approximately in line with the point where bottom of the taper of the wheels ends. Tighten “V” shaped wire guide retaining screw.

Turn the machine on. It is now ready for production stripping. The best stripping method is normally to bring the wire or wires down into the stripping wheels from above so the wire or wires contact the wheels at the point where the strip will end and then pull the wire or wires through the wheels. The whole tapered length of the stripping wheels can be utilized by adjusting the “V” shaped wire guide up and down. Always bring the wires to be stripped to the bottom of the “V” before withdrawing the wires through the wheels.

Where strip length is critical, when bringing wires between the wheels, ensure the ends of the wires are in line with the strip length stop.

MAINTENANCE:

Wheel Dressing - Periodic dressing of the wheels is essential to the smooth operation of the unit and to increase useful wheel life and prevent wire breaks.

To dress wheels:
1) Push down “V” shaped wire guide to expose wheels.
2) Separate wheels approximately 1/8" (3mm) by turning wheel separation adjusting knob counter-clockwise.
3) Turn machine on.
4) Use the dresser strip provided and insert it between the wheels.
5) Slowly close the wheels by turning the wheel separation knob clockwise until a slight pressure is felt on the dresser strip.

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6) Work the strip in a reciprocating motion to true up wheels, remove high spots and insulation build up.
7) Turn machine off and set up for use.

Wheels should be dressed whenever the performance of the wheels deteriorates. Regular dressing will increase wheel life and improve production times. Use the custom wheel dresser strips for correct dressing. *See ordering information for part numbers.*

Periodically clean machine to remove insulation, dust, etc.

Elevating Wheels - As wheels wear, a point will be reached where the spindles of the stripping head will touch and the wheel separation cannot be correctly adjusted to strip wires. At this time the wheels may be elevated to increase their useful life.

To elevate wheels:
1) Disconnect unit from power supply.
2) With "V" shaped wire guide pushed down and machine off, separate wheels about 1/4" (6mm).
3) Insert wrench provided into set screw in collar just below the bottom of the right wheel WITHOUT LOOSENING SCREW.
4) Grasp base of wheel and apply upward pressure while working the wrench in a left-to-right motion.
5) After wheel is set to desired height, loosen wheel adjusting collar set screw and move collar up until it touches wheel.
6) Tighten screw.
7) Repeat procedure for left wheel.
8) Dress off tops of both wheels and redress wheels according to instructions.

Lubricating machine is not necessary.

Belt Replacement - When drive belts are worn or broken they must be replaced. When installing new belts, first disconnect the unit from the power supply, then check to be sure there is enough clearance between the end of the motor shaft pulley, and the housing. If necessary, loosen pulley set screw and move the pulley enough for belts to be installed. After installation, reposition pulley. The stripping head may need repositioning to provide for equal tension on both drive belts. When this tension is adequate, belts will not slip.

Belts on the machine are made from a special material, they are not regular "O" rings. The use of incorrect belts may cause machine failure and shortened belt life.

TROUBLESHOOTING:

PROBLEM: Machine will not strip wires.
SOLUTIONS:
1) Check that wheel grade is correct - *see earlier*.
2) Check dressing of wheels - *see earlier*.
3) Are wheels worn out? If so, replace - *see earlier*.
4) Check both wheels are being driven by drive belts.
5) Check wheel separation setting - *see earlier*.

PROBLEM: Machine does not run.
SOLUTIONS:
1) Check fuse in power module fuse drawer at rear of machine and replace as necessary.
2) Check drive belts of machine.

PROBLEM: Machine breaks wires.
SOLUTIONS:
1) Check wheel dressing - *see earlier*.
2) Check wheel separation - *see earlier*.
3) Check that wires are not kinked as this will cause breaks.
4) Check that wheel grade is correct - *see earlier*.

IMPORTANT SAFETY INFORMATION

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.

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SAFETY PRECAUTIONS - PNUEMATIC

! ALWAYS unplug unit from air supply prior to any maintenance.

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.

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.

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 OPERATING MANUAL, OR WHICH HAS 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.

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