



New Products



L354-0822 Soldering/Desoldering Handle \$164.00



This hand held soldering handle is a new design that will give you the widest possible range of electrode positions and sizes allowing you to solder in locations you only dreamed of getting into before.

Features:

- Includes 1 1/2" carbon and 1 1/2" alloy steel electrodes
- Cables Are Not Included, Optional.
- Will silver solder brushes to steel commutator end frames
- Will get inside field cases to silver solder brushes to field coils
- The electrode holders are movable which gives you maximum range and adjustment of the electrode location.
- All parts are serviceable and easily replaceable
- You can make or use your old cables and save a major expense
- Ceramic and cork insulation allows for much cooler use
- Can be powered by battery using our W504-0007-Z Foot Switch or by your old Hot Spot, Resistance Solder Power Supply or even a Spot Welder. We recommend a rating of 2500 Watts for the power supply when silver soldering.
- Can operate with a wide range of electrodes, carbon or alloy steel, which gives you greater flexibility. **SHAPE YOUR ELECTRODES TO YOUR SPECIFIC NEEDS.**
- The most versatile solder and silver soldering tool I have ever seen.
- Many different size electrodes and holders are available. See the following page.
- Spring Loaded Handle for easy operation
- Works well on rotor slip ring leads if you want to silver solder them

Power Sources:

- A 12 or 24 volt battery with our W504-0007-Z foot switch
- E204-2935-1 Triton Transformer but requires changing the connector size and could not be used for silver soldering as the 100 Watts would not be high enough. We recommend the L354-0820-5/32 which is the smallest size electrode for this transformer.
- Old Ace, IPM, Luma, Rebuilders Supply and Wencesco power units with the three connector posts.
- Spot Welder with the adaptation to your tip connection
- Rebuilder Supply Power Unit does not have enough power for silver soldering. This would be the units with chicken wire on top.

Notes:

- 1 Remember, you can use your old cable or make your own if they are 4 GA or larger in size. Saves Money!
- 2 There is no benefit to running the power supply at the highest heat range. This will only reduce the life of the electrodes.
- 3 The electrode should not get red more the 1/4" up from the weld or you are wasting the heat that should be directed into the weld or solder joint. Back off the foot switch until the electrode turns black again. Then step on it again and you will have better results...(cycle the heat)
- 4 When silver soldering brush leads to the commutator end frames using R059-0175 Ribbon Silver Solder, we recommend using a light coating of L304-9702-0 Flux and folding over the Ribbon Silver Solder, so you are using a double thickness for good absorption in the brush lead.
- 5 Use Heat Transfer Compound for the connections between the cable and handle contacts, like you use on rectifier in alternators.
- 6 Use a High Temperature Lubricant and an Anti-Seize Compound like our S109-2000 or equivalent on all the threads in the electrode holders to make future bolt removal easier.
- 7 For silver soldering brushes on a commutator end plates, put the carbon electrode on the steel and the alloy steel electrode on the brush lead.

Applications

Silver Soldering Copper to Steel and Installing Brushes In The Case, Connecting Ground Brushes to End Frames

Large Field Posts

Medium Size Field Post

Light Duty Applications
Stator to Rectifier

Small Posts, Solenoid Leads

Electrode & Holder Options

L354-0822 Standard Handle w/o leads
L354-0820 Standard Handle w/leads

L354-0820-1/2 Set of Carbon Electrodes

L354-0820-3/8 Set of Carbons & Holder

L354-0820-5/32 Set of Carbons & Holder
L354-0736 Plunger Rod



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Options & Service Parts



Replacement Parts



L354-0820-1/2 1/2" Electrode Holder Kit



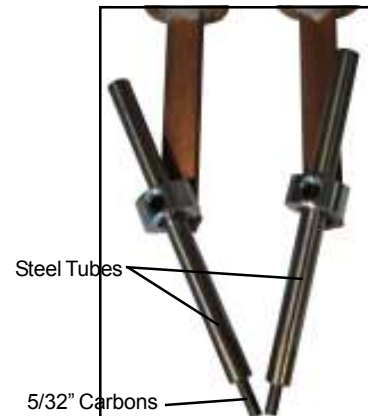
Kit contains:
Set of two 1/2" electrode holders
(includes two 1/2"-20 set screws,
two 1/4"-20 bolt/washer
mounting assemblies)

L354-0820-3/8 3/8" Electrode Holder Kit



Kit contains:
Set of two 3/8" electrode holders,
complete with two 3/8" carbon electrodes
(includes two 1/2"-20 set screws, two 1/4"-20
bolt/washer mounting assemblies)

L354-0820-5/32 5/32" Electrode Holder Kit



Kit contains:
Set of two 4 1/8" long steel tubes for holding
5/32" carbon electrodes, two 5/32" carbons,
one plunger rod.
**(Note: steel tubes must be held by either
L354-0820-1/2 Electrode Holders or
L354-0820-3/8 Electrode Holders and the
3/8" holder provides a better fit.)**

OPTIONS AND SERVICE PARTS:

- L354-0820-1 Complete Handle Assembly Only-No electrode holder, electrode or cable **\$131.40**
- L354-0820-2 Single Arm Only (1) **\$ 82.10**
- L354-0820 Basic Tool L354-0822 with 5' of #4 welding cable **\$252.25**
- L354-0821 5 Feet of #4 Welding Cable with connections, Qty of 2 **\$ 88.00**

ELECTRODE HOLDERS AND HARDWARE, (1 SET OF 2):

- L354-0820-1/2 1/2" Electrode Holder Kit, (set of 2), for alloy steel & copper coated electrodes **\$35.20**
- L354-0820-3/8 3/8" Electrode Holder Kit, (set of 2), supplied w/2 3/8" carbon electrodes **\$35.20**
- L354-0820-5/32 5/32 Electrode Holder Kit, (set of 2), supplied w/2 5/32" carbon electrodes **\$29.35**

ELECTRODES:

- L354-0820-10 1/2" Copper Coated, High Density Carbons, Set of 2 **\$10.90**
- L354-0820-11 1/2" Alloy Steel Tip, Set of 2 **\$35.20**
- L354-0820-12 3/8" High Density Carbons, Set of 2 **\$ 5.60**
- L354-0820-13 5/32" High Density Carbons, Set of 2 **\$2.15**

SPRING & ATTACHING HARDWARE:

- L354-0820-3 Spring & Attaching Kit: contains spring bolt, lock nut & insulators **\$17.60**