

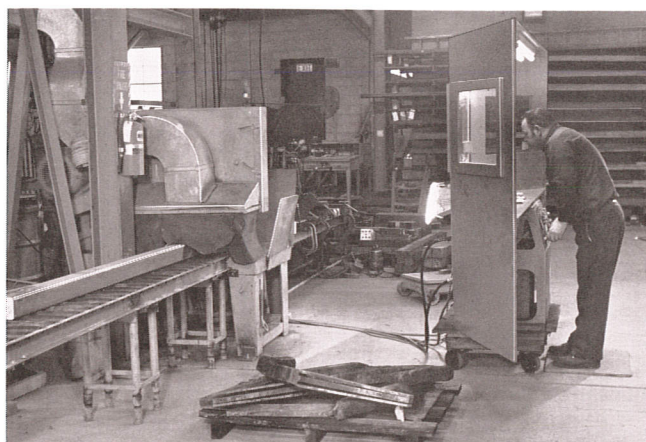
ELECTRODES & CONNECTORS

Ideally, spare electrodes and connectors should be kept in stock for every electrode type salt bath furnace to permit fast replacement of these critical parts. Electrode wear is inevitable. Good preventive maintenance practice dictates reserve electrodes and connectors to minimize down-time and panic rush orders. The Spare Parts Department at Ajax Electric is equipped to not only supply replacement parts and repair worn electrodes for Ajax furnaces, but also to replace or repair electrodes and connectors of many competitive furnaces.

Easily 90% of worn over-the-top electrodes are repairable to

equal original alloy and service life. These electrodes can usually be rebuilt at a savings approximating 40% of the cost of new, replacement electrodes.

Since it is possible that your electrodes are repairable, we recommend shipping them to us for examination. We will then quote repair or replacement cost. Simply tag them properly (your name and furnace serial number) and ship them freight prepaid as "scrap for resmelting". Refer to the other side of this sheet for detailed instructions on what information Ajax needs for the fastest response.



Cutting electrode bars to length at Ajax.



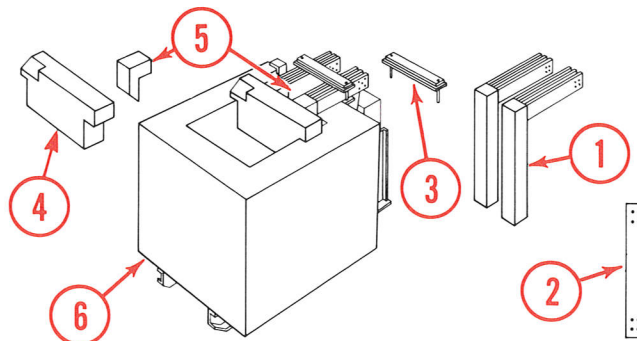
Ajax welder rebuilding an over-the-top electrode.

Over-The-Top Electrodes And Solid Connectors

Over-the-top electrodes have been employed for many years in both ceramic pot furnaces (Ajax types HCRE, HHRE, and HC), and steel pot furnaces (Ajax types D, DN, H, P, Q, and QN). This electrode design is well known for its ease in starting from the top down.

Ajax recommends stocking a spare set of electrodes (1), solid bus bar connectors (2), and an electrode clamp and insulators (3). For ceramic pot furnaces we also recommend stocking a Seal Tile (4), Key Tile (5), and a spare lined steel casing (6) in order to assure uninterrupted service for many years.

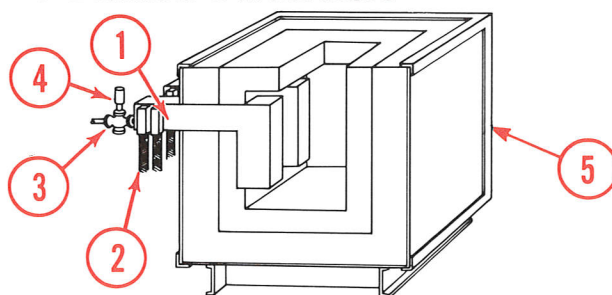
Remember that nine times out of ten your worn over-the-top electrodes can be repaired.



Submerged Electrodes And Braided Connectors

AJAX Types HCSE & HHSE

Submerged electrodes (1) used in ceramic pot furnaces can usually be replaced by removing only a portion of the pot and insulation. Rebuilding cost is minimized. Repair of submerged electrodes is not recommended. We recommend stocking a spare set of braided connectors (2), water-cooling nozzles (3), thermal switches (4), and a spare lined steel casing with electrodes (5), which provides protection against pot failure and many years of service.



See other side for specifications and ordering information.

AJAX ELECTRODES AND CONNECTORS

Information Needed By AJAX

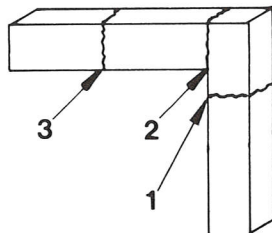
To expedite your order or to advise costs for repair or replacement, please send us the following information (separately from the tagged material) to the attention of our Spare Parts Department.

- (1) Serial Number of the applicable Ajax furnace(s).
- (2) Electrode and connector Drawing Number(s) if you can locate it in your files . . . If you can't, we will track it down from our masters.
- (3) For electrodes, if the furnace is other than Ajax, please send a sketch that includes:
 - (a) "Hot" leg and "cold" leg lengths.
 - (b) Cross sectional dimensions.
 - (c) Size and location of connector holes.
 - (d) Size and location of water cooling holes.
 - (e) Temperature and type of salt (type of alloy if known).
- (4) For connectors, if construction is other than Ajax, also send a sketch showing:
 - (a) Overall length and width.
 - (b) Hole sizes and locations.
 - (c) If solid type, the thickness and necessary dimensions for any "bends" — if other than flat.
 - (d) If braided type, the number of braids.
 - (e) Provide electrical data.

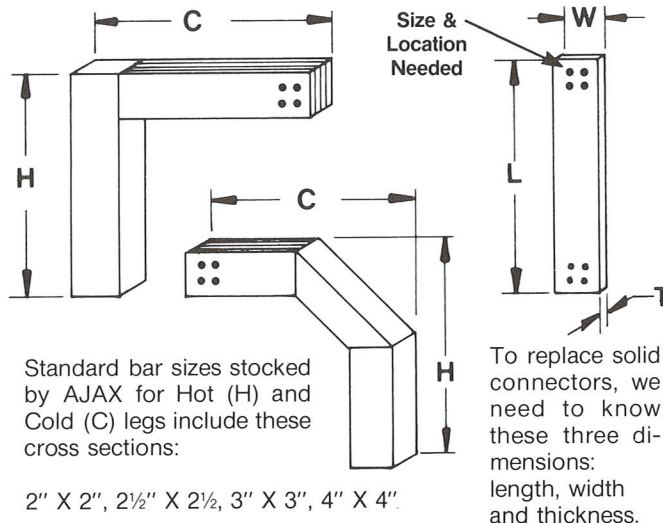
Repairs To Over-The-Top Electrodes

In most cases, this type of electrode is repairable. After we have received and examined your electrodes, we will quote you a figure and tell you how it can be best repaired. Worn portions are cut off and replaced at one of three locations:

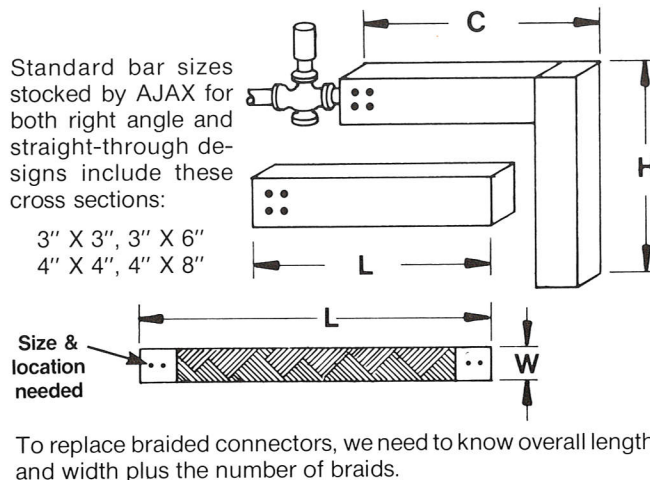
- (1) Along the hot leg.
- (2) At the junction of hot and cold legs.
- (3) Possibly, along the cold leg.



Over-The-Top Designs



Submerged Designs



(Clip, complete and mail to AJAX ELECTRIC COMPANY together with sketches)

☐ Proceed with repairs or replacement parts, use our P.O. # _____
(or)

☐ Please advise costs and delivery.

(For quick replay call **Ajax Spare Parts Dept. (215) 947-8500**)

We have shipped to you, freight prepaid, the following items, all tagged with appropriate furnace serial number(s):

_____ pairs of Over-the-Top Electrodes. (Furnace serial # _____)

_____ pairs of Submerged Electrodes. (Furnace serial # _____)

COMPANY _____

ADDRESS _____

CITY _____ **STATE** _____ **ZIP** _____

Name of Authorized Person _____ **PHONE NO.** _____

AJAX
ELECTRIC COMPANY

Tomlinson & Tracy Roads
Huntingdon Valley, Pa. 19006
Telephone (215) 947-8500