

# Soldering Iron ERSA 550

## Installation instruction for mica sheets

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### General hints

The soldering tip of the Ersas 550 iron is equipped with an additional insulation made from mica sheets and rings.

Mica is a natural mineral product with very good electrical insulation properties, especially at high temperatures. The mechanical properties of mica on the other hand side are poor due to its natural imbricate structure.

Because of this it is recommended, to replace the insulating sheets and rings between soldering tip and heating element when the soldering tip is changed more frequently.

Ersa recommends to inspect the conditions of the insulating material on each tip exchange and replace the elements whenever necessary.

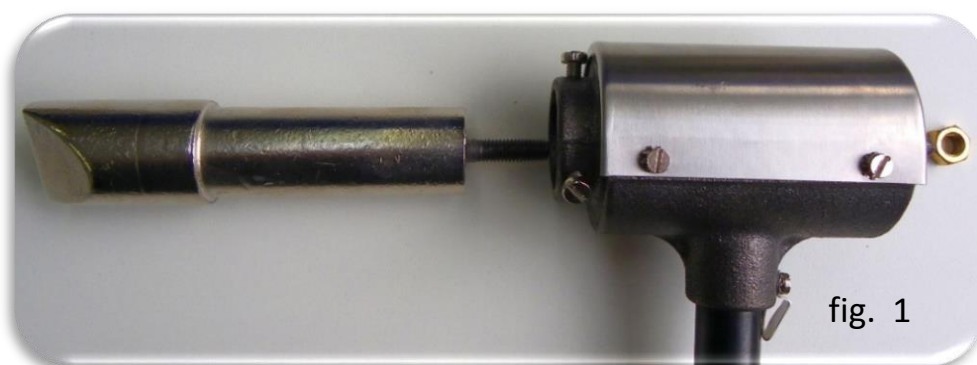
**Pleas only use original Ersa spare parts.**

### Installation instructions:

#### Required material:

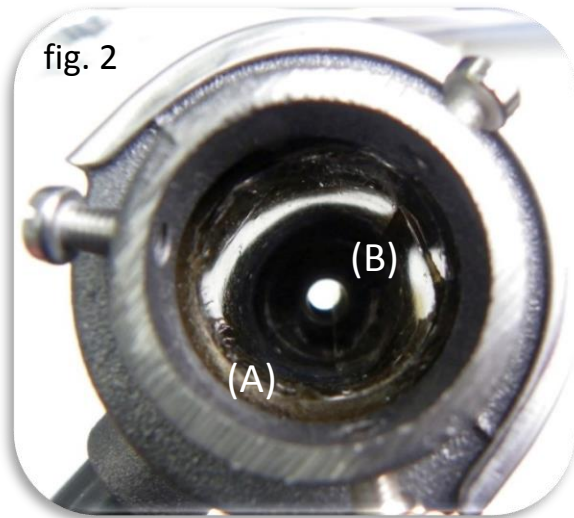
Pos	Art.-No.	Description	Number
A	3GP71.0X105.0	mica sheet	2-3
B	3GR30.4X12.00	mica ring	2-3

1. Disconnect the soldering iron from mains and remove the soldering tip in cooled condition. (fig. 1)

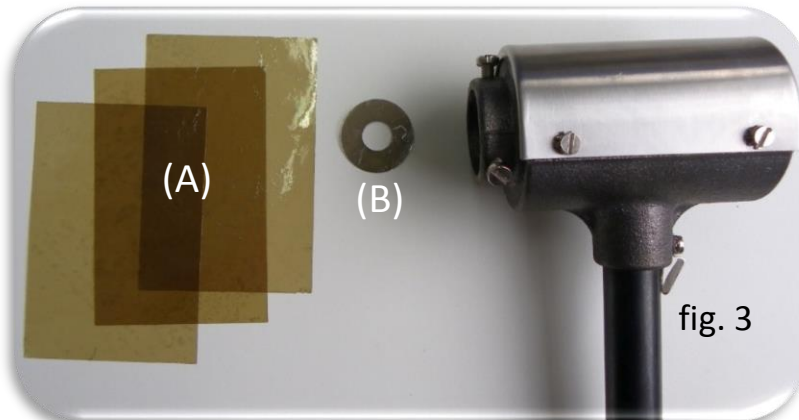


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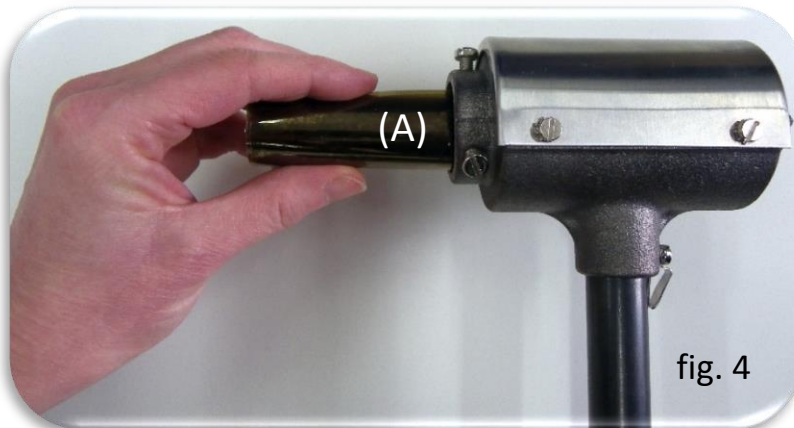
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2. Check the mica sheets (A) and mica rings (B) for mechanical damage and remove them. (fig. 2)



3. Install 2-3 pieces of new mica rings (B). (fig. 3)



4. Insert 2-3 pieces of mica sheets (A). Carefully roll up the sheets on the short end until you get a roll of approx. 25 mm diameter. Carefully move the roll-up into the heating element – as far as possible. (fig. 4)

5. Feed in lapping mica sheets completely by using the fingertip inside the roll-up. Shift it further while rotating into the roll up direction.
6. Insert the soldering tip, add the chopper disk and tighten the nut. Finally re-tighten the 3 slotted screws.