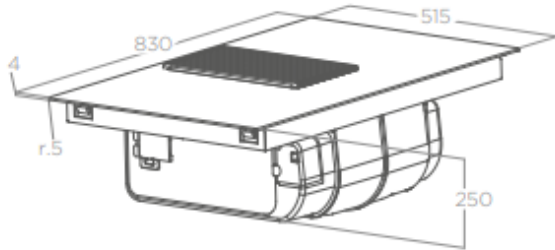




# SERVICE MANUAL NIKOLATESLA PRIME S

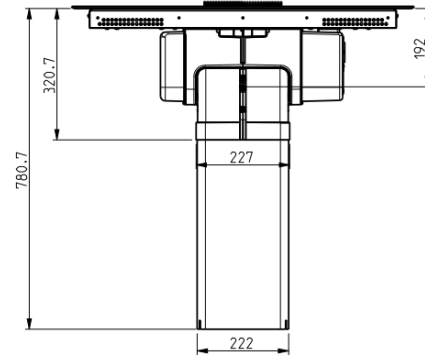
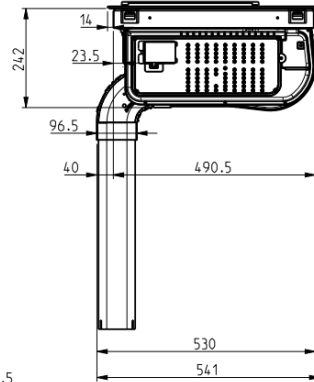
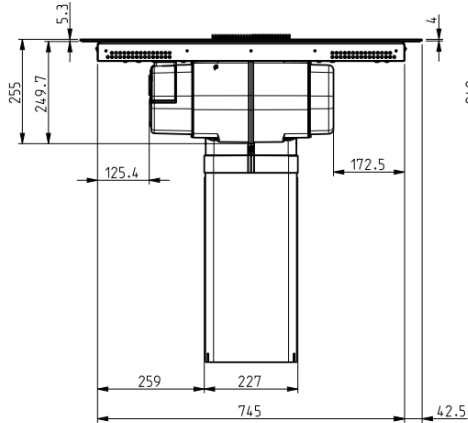
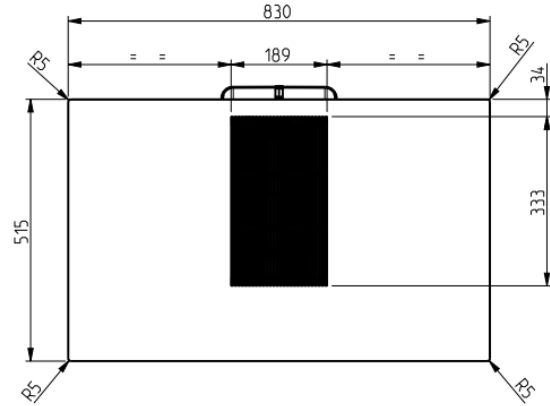
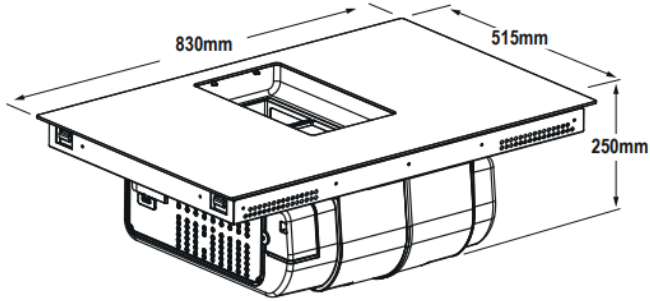
SM2300005

## Product presentation / presentazione prodotto



# SERVICE MANUAL NIKOLATESLA PRIME S

Product presentation / presentazione prodotto



# SERVICE MANUAL NIKOLATESLA PRIME S

Packaging presentation / presentazione imballo



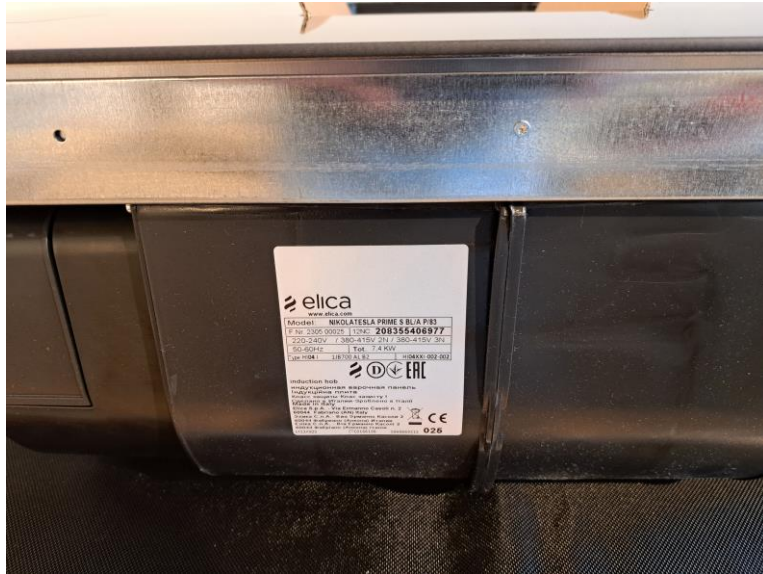
# SERVICE MANUAL NIKOLATESLA PRIME S

Packaging presentation / presentazione imballo



# SERVICE MANUAL NIKOLATESLA PRIME S

Packaging presentation / presentazione imballo



Product labels are behind or beside Nikola Tesla / le etichette prodotto sono dietro il prodotto o a fianco

# SERVICE MANUAL NIKOLATESLA PRIME S

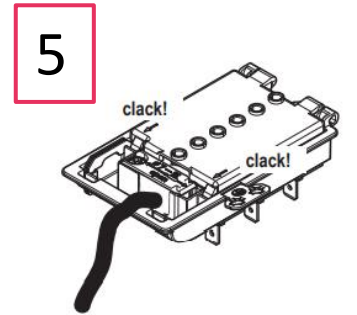
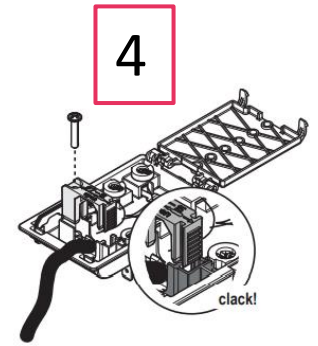
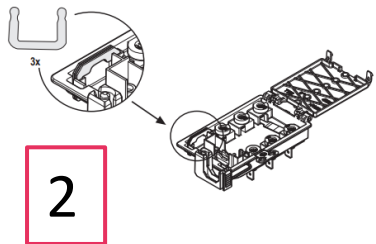
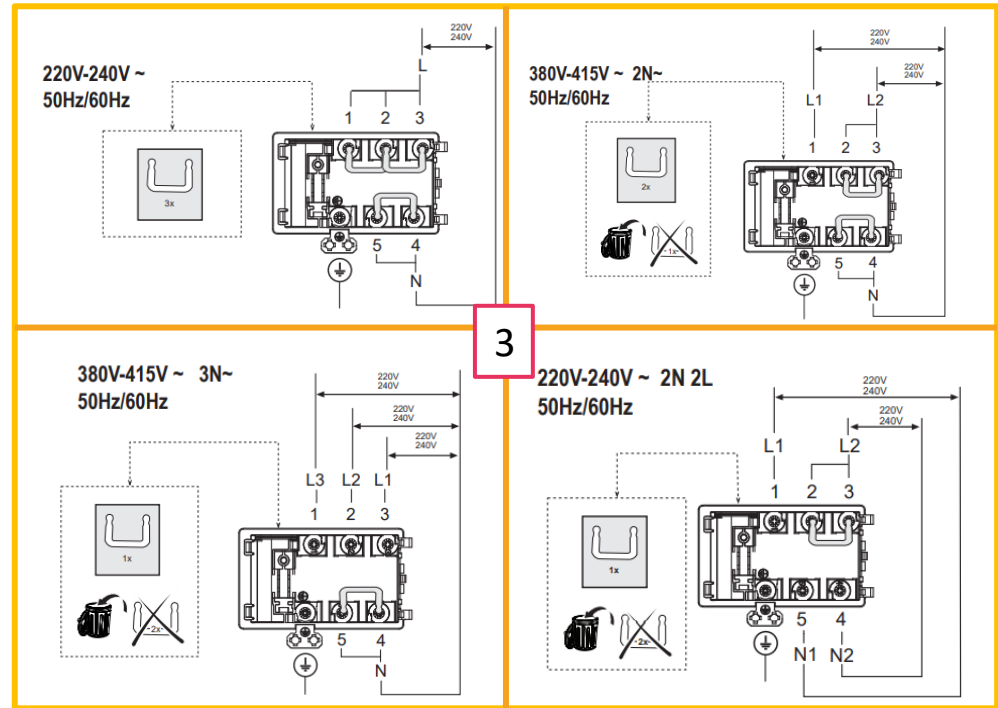
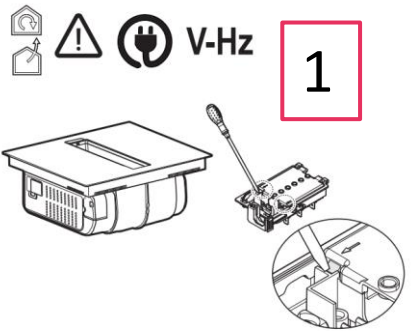
Service tool / strumenti per riparazione



Torx 10; socket wrench 13, plier

# SERVICE MANUAL NIKOLATESLA PRIME S

Electric link to power alimentation / collegamento elettrico all'alimentazione





# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETRONICA



ATTENTION: window switch must not be cut, broken, detached, damaged. If the cooking zone of the product works but the suction does not start, check that the window switch is connected correctly / il contatto finestra (window switch) non deve essere tagliato, danneggiato, rotto o staccato. Se le zone cottura del prodotto funzionano ma la parte aspirazione non parte, verificare che il contatto finestra (window switch) sia connesso correttamente.

# SERVICE MANUAL NIKOLATESLA PRIME S

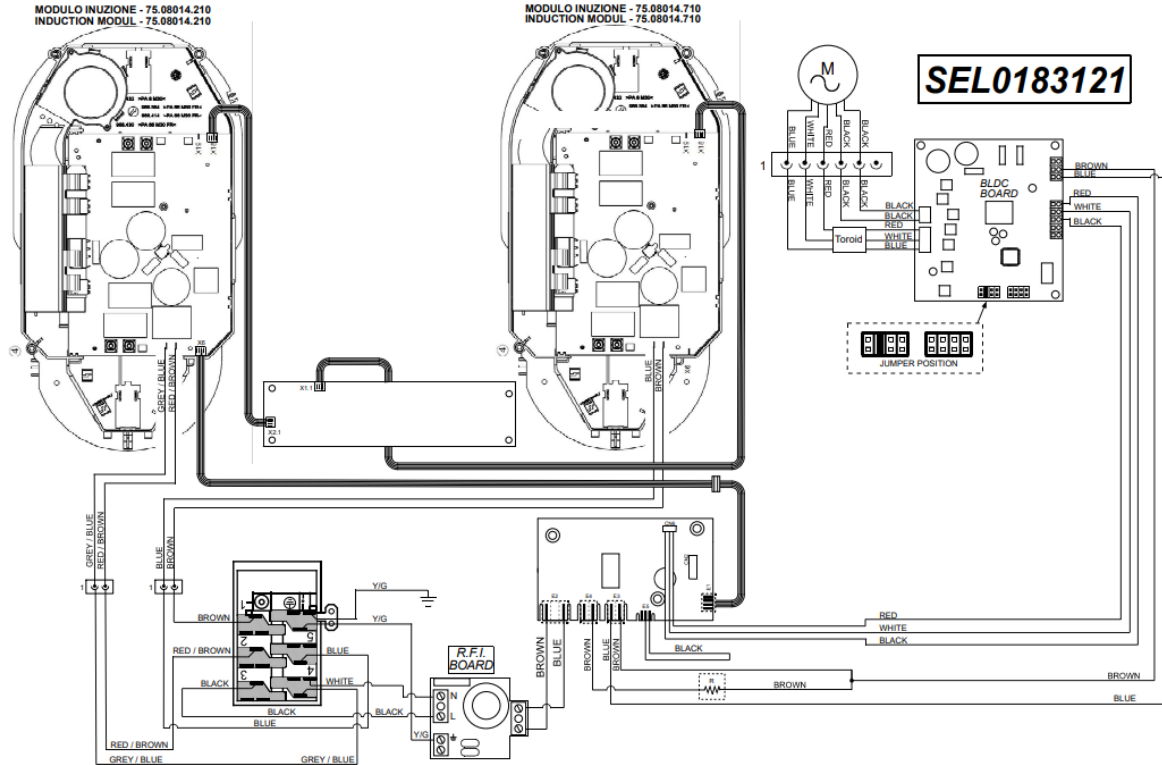
## HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETRONICA



Remove 5 screws. Open terminal block and remove 2 screws of Earth wiring / rimuovere 5 viti. Aprire la morsettiera e rimuovere le 2 viti del cablaggio terra

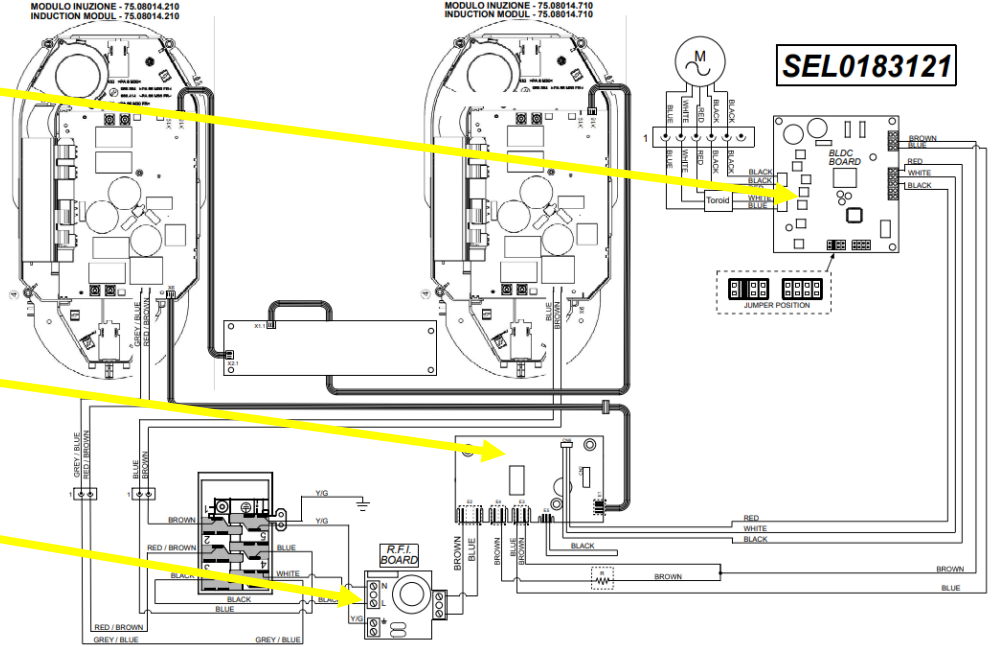
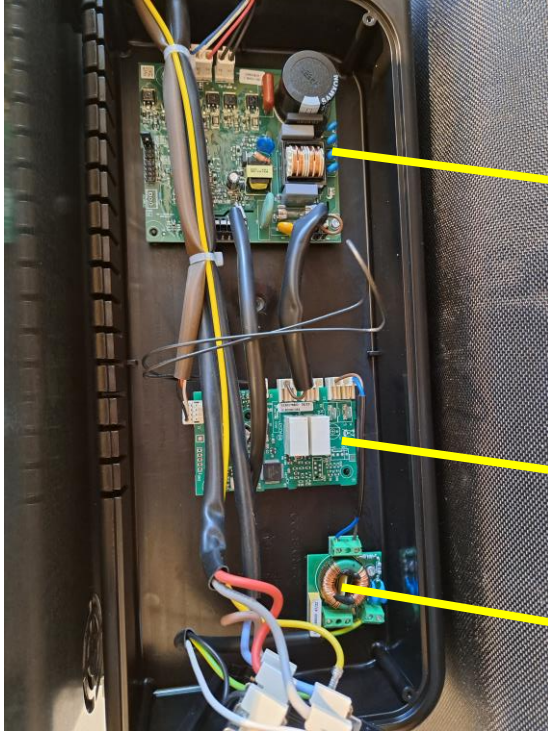
# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA



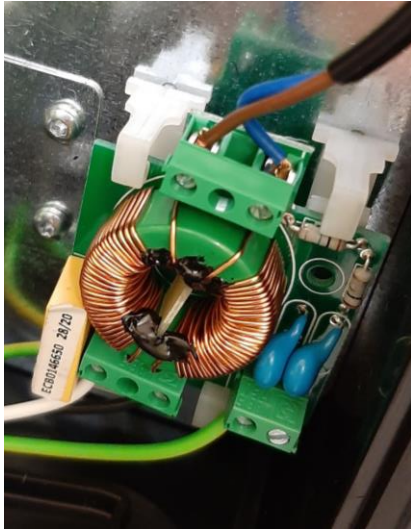
# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA



# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA



**RFI FILTER / FILTRO  
ANTIDISTURBO ECB0146650**

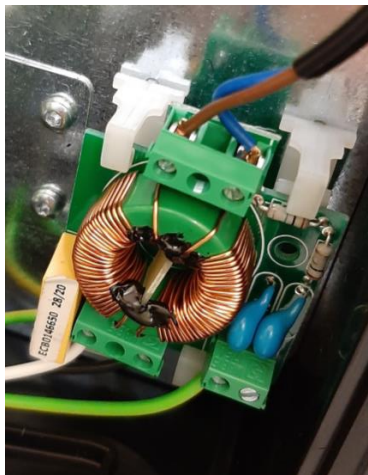


**STAND-BY WIRE  
ECB0178862**

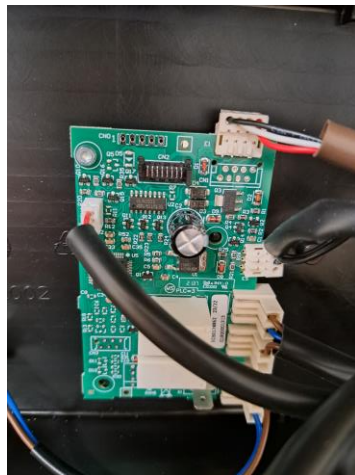


**MAIN BOARD BLDC / SCHEDA MAINBLDC  
ECB0168002**

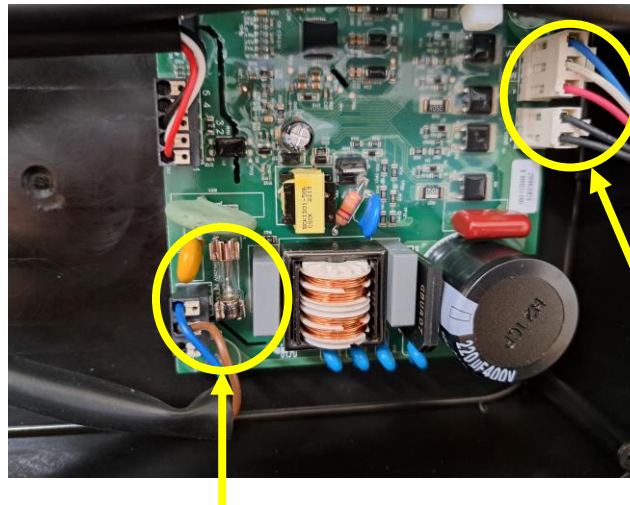
IF MOTOR DOES NOT RUN CHECK FOLLOWING / SE IL MOTORE NON PARTE DA CONTROLLARE



Reach power supply the RFI filter/ C'è tensione sulla scheda filtro RFI



Reach power supply the main board / C'è tensione sulla scheda principale

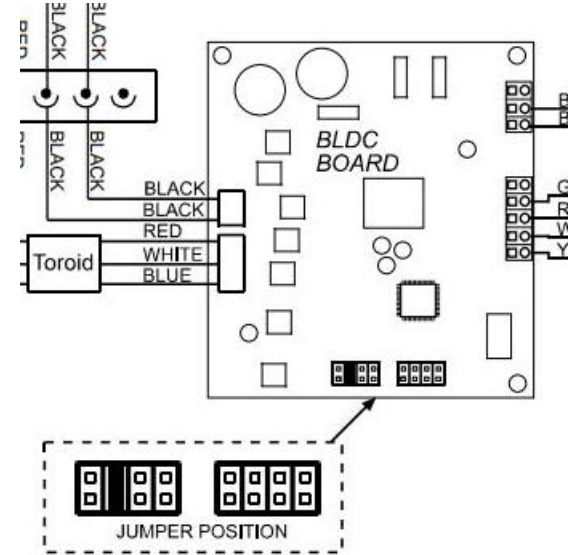
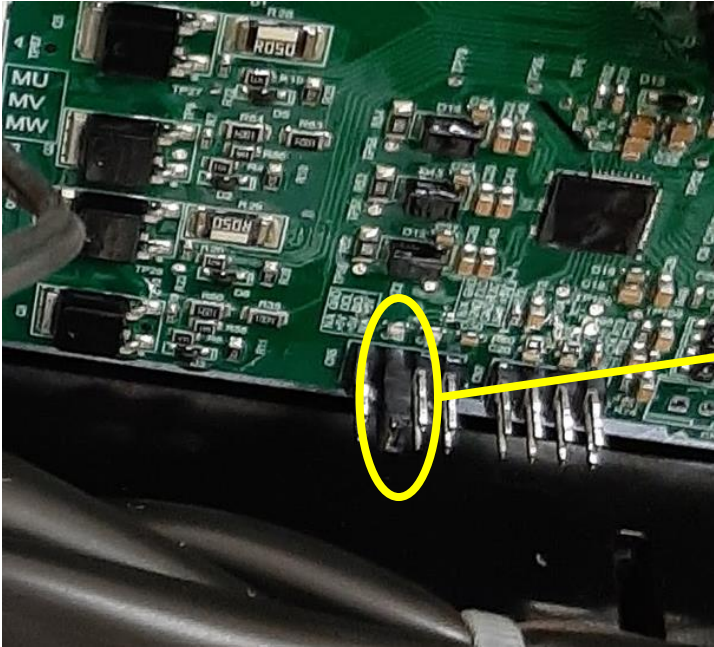


Reach power supply the motor board, is fuse ok / C'è tensione sulla scheda motore, il fusibile è ok

Measure the resistance between the motor wire blue-white-red it should be equal, check continuity of the black wire / misura la resistenza dei cavi motore tra blu-bianco-rosso dovrebbero essere uguale, misura la continuità del cavo nero

# SERVICE MANUAL NIKOLATESLA PRIME S

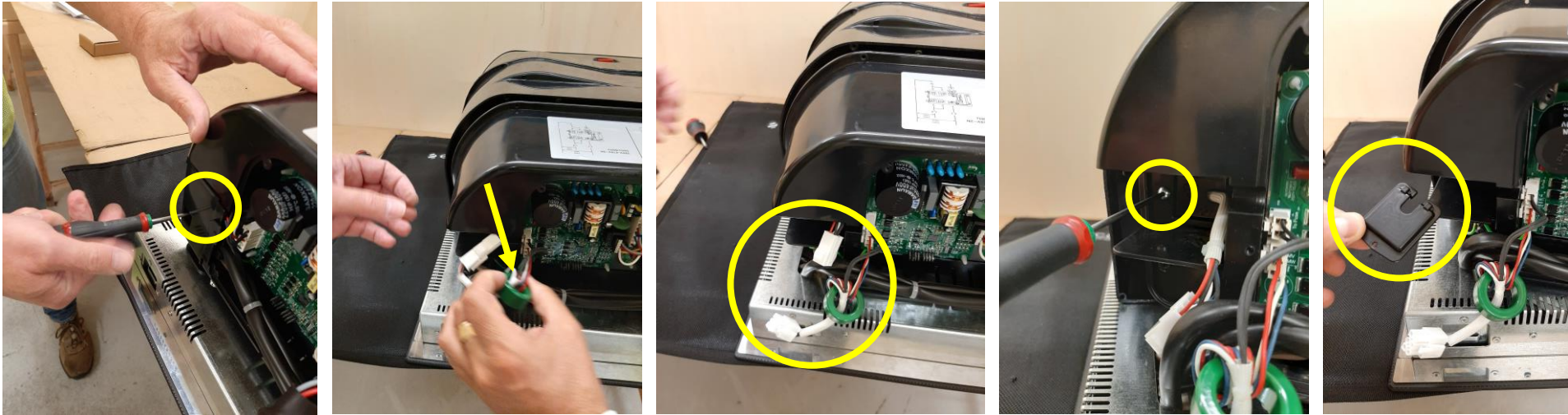
## HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA



When replacing the BLCD board remove jumper and place on new board/ sostituendo la scheda BLCD togliere il ponticello e rimettere alla posizione giusto

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE MOTOR / COME RIMUOVERE IL MOTORE

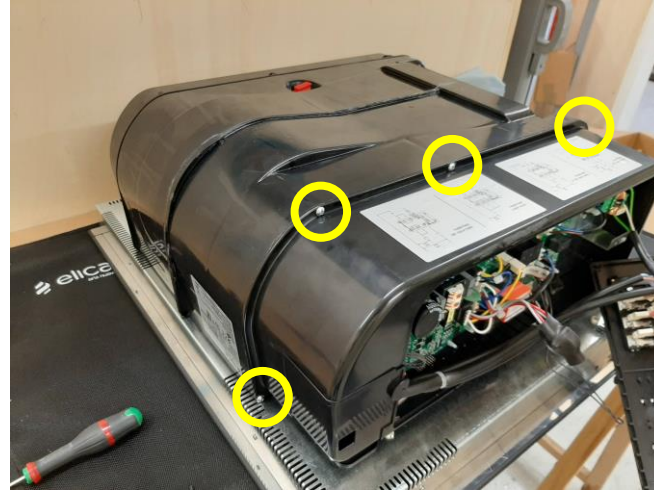
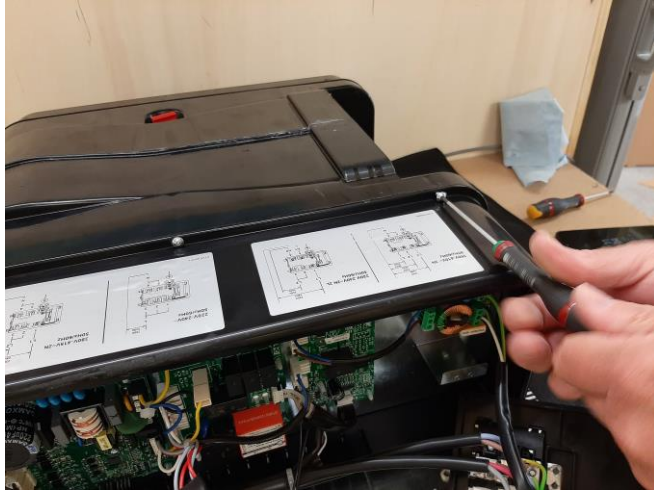


Remove the screw, pull out wirings, disconnect harness and remove the last screw from bracket. Don't lose plastic support / rimuovere la vite, estrarre i cablaggi, disconnettere il connettore e rimuovere l'ultima vite del blocchetto. Non perdere il supporto in plastica.



# SERVICE MANUAL NIKOLATESLA PRIME S

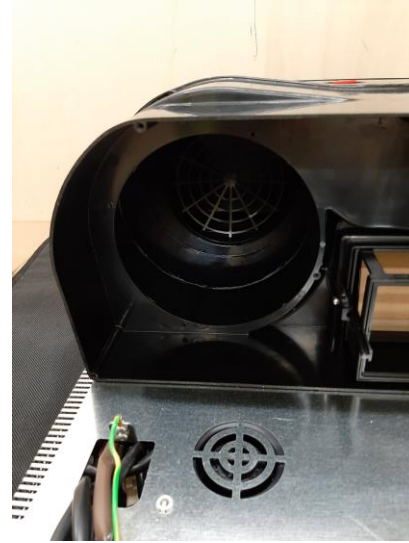
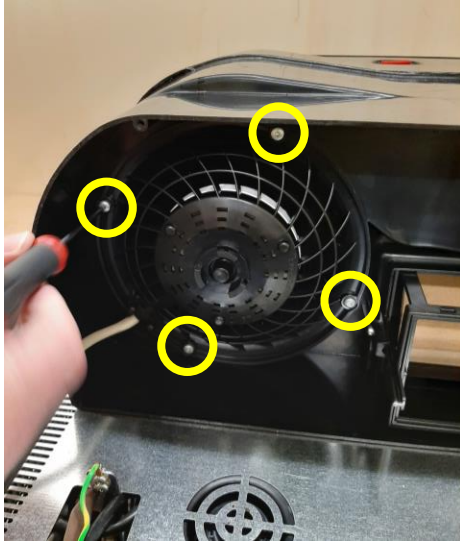
## HOW TO REMOVE MOTOR / COME RIMUOVERE IL MOTORE



Remove 5 screws and pull out support / rimuovere 5 viti ed estrarre il supporto

# SERVICE MANUAL NIKOLATESLA PRIME S

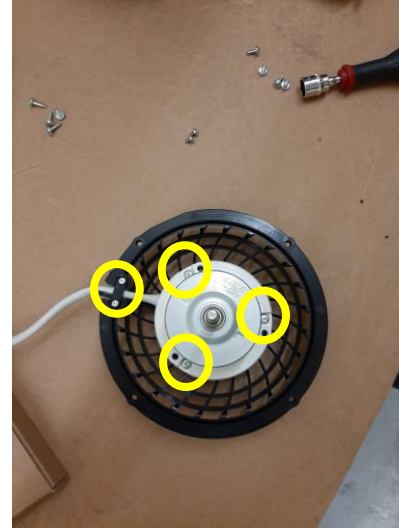
## HOW TO REMOVE MOTOR / COME RIMUOVERE IL MOTORE



Remove 4 screws and pull out fan wheel and motor / rimuovere 4 viti e rimuovere la girante e il motore

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE MOTOR / COME RIMUOVERE IL MOTORE



Release the nut of the fan wheel. Remove 5 screws in order to remove plastic motor support / allentare il dado della girante. Rimuovere 5 viti per rimuovere il supporto motore in plastica

# SERVICE MANUAL NIKOLATESLA PRIME S

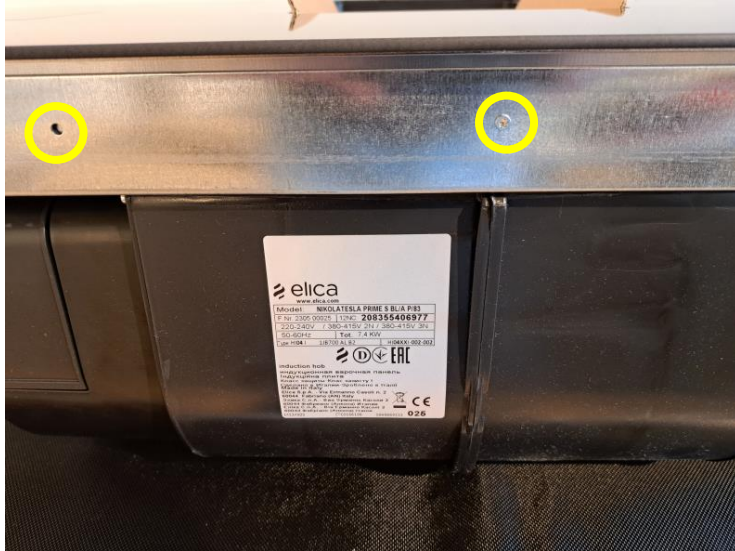
## HOW TO REMOVE LIQUID TANK / COME RIMUOVERE VASCHETTA PER LIQUIDI



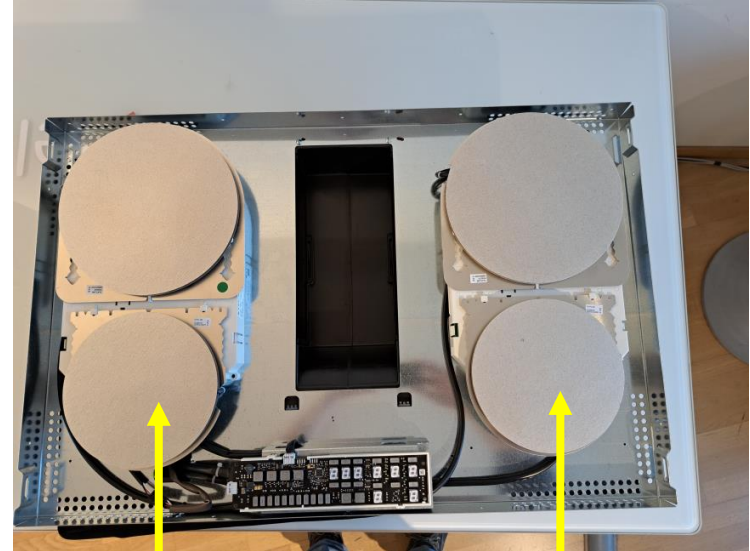
In order to open liquid tank there is a small red valve. Liquid tank is fixed by magnets, pull out to remove it  
 / Per aprire la vasca è presente un'apposita valvola rossa. La vaschetta raccogli liquidi è fissata tramite magneti, per rimuoverla estrarla.

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE GLASS / COME RIMUOVERE IL VETRO



Remove all perimetral screws and pull out glass /  
rimuovere tutte le viti perimetrali e rimuovere il vetro.

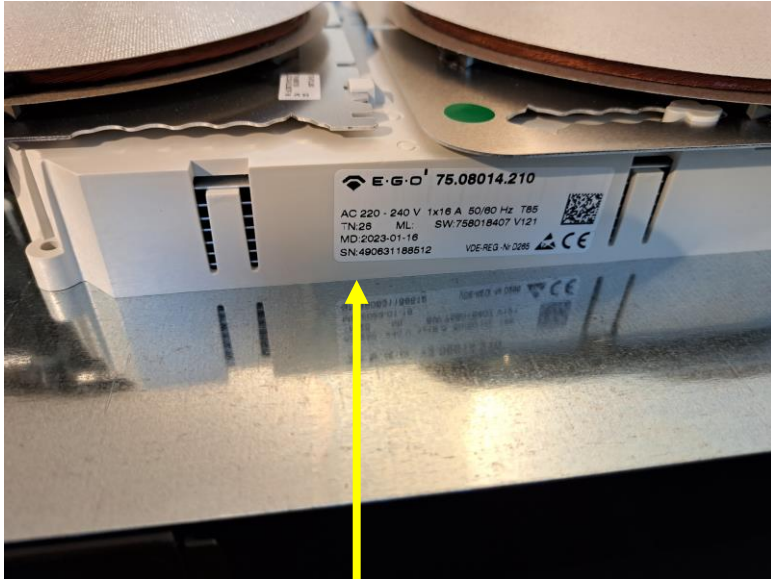


Master Module

Slave Module

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE INDUCTORS / COME RIMUOVERE GLI INDUTTORI



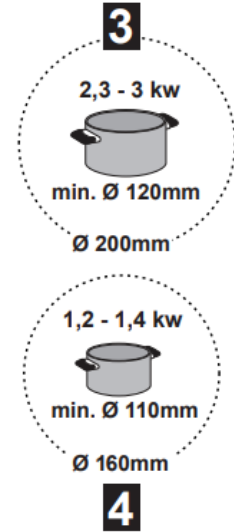
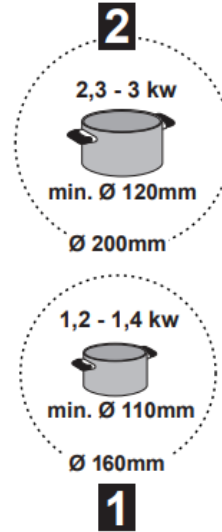
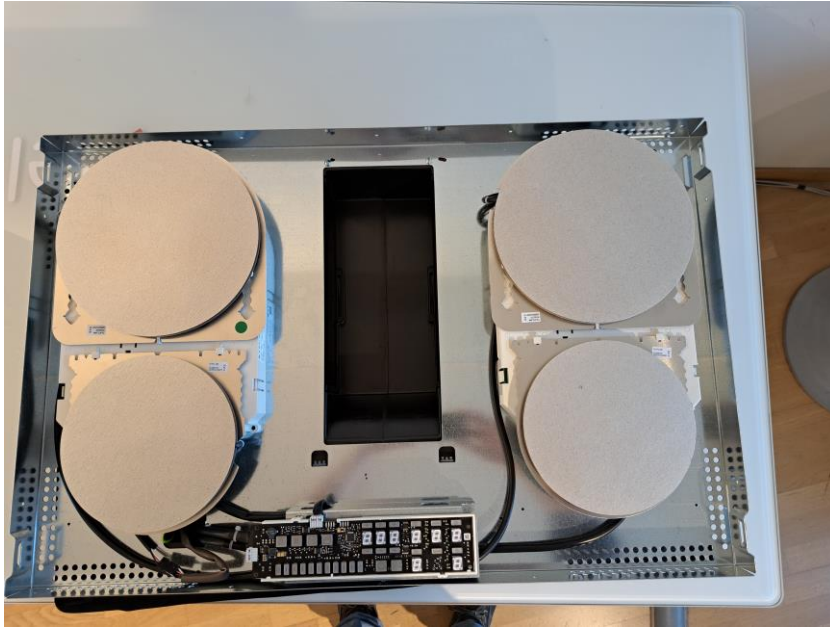
Master Module



Slave Module

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE INDUCTORS / COME RIMUOVERE GLI INDUTTORI



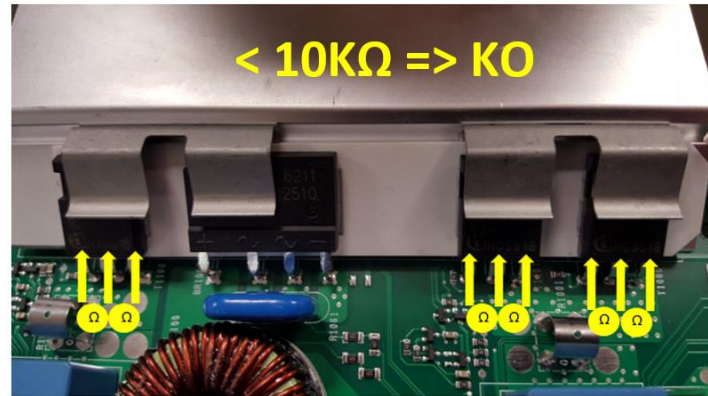
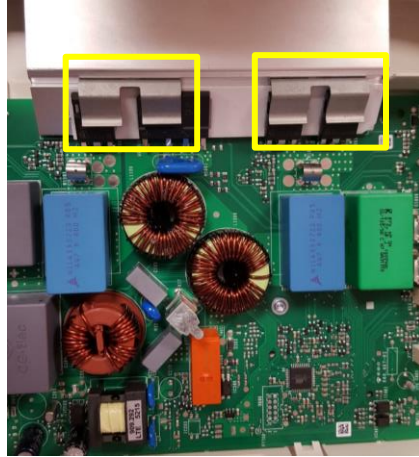
There are 4 ROUND inductors / ci sono 4 induttori ROTONDI

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE INDUCTORS / COME RIMUOVERE GLI INDUTTORI

### TEST SHORT-CIRCUIT / TEST DEL CORTO CIRCUITO

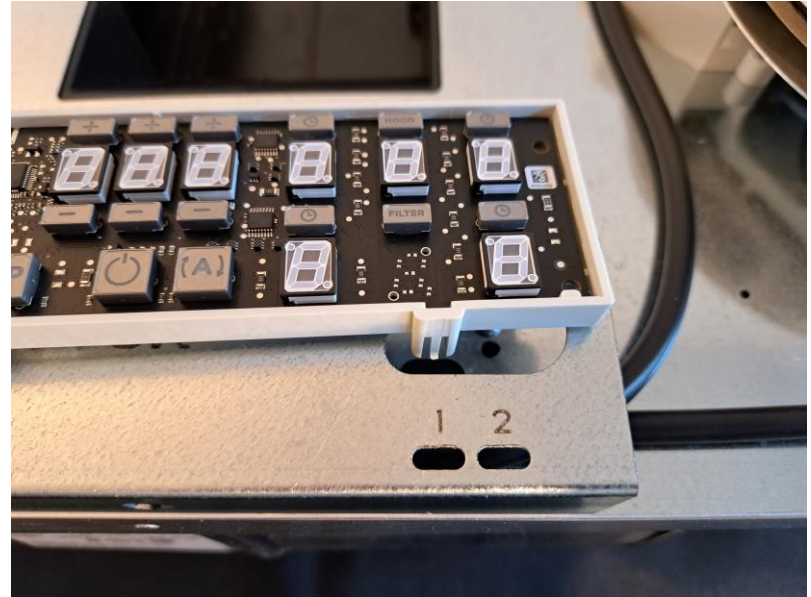
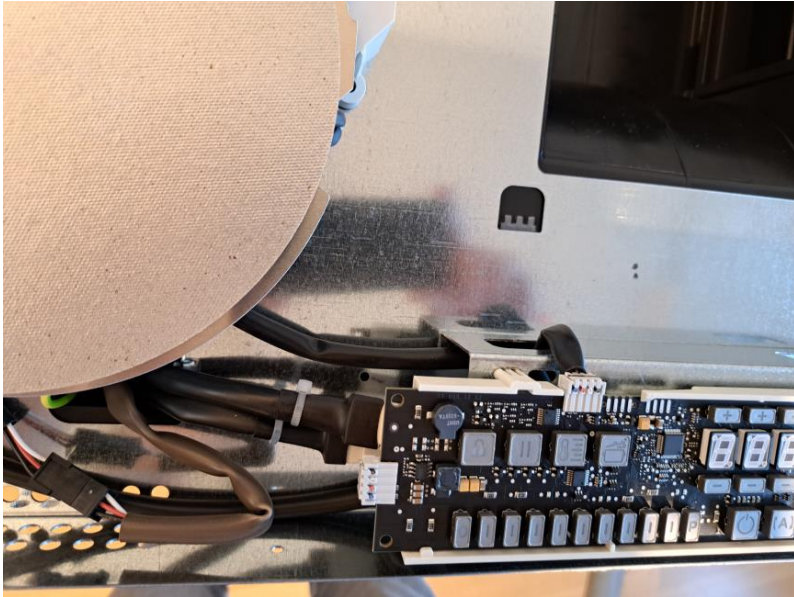
This test is useful to understand the correct working of induction modules, in the case in which the hob is working, but it does not supply power / Questo test è utile per capire il corretto funzionamento dei moduli ad induzione, nel caso in cui il piano di cottura funzioni, ma non fornisce alimentazione.





# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE USER INTERFACE / COME RIMUOVERE IL COMANDO

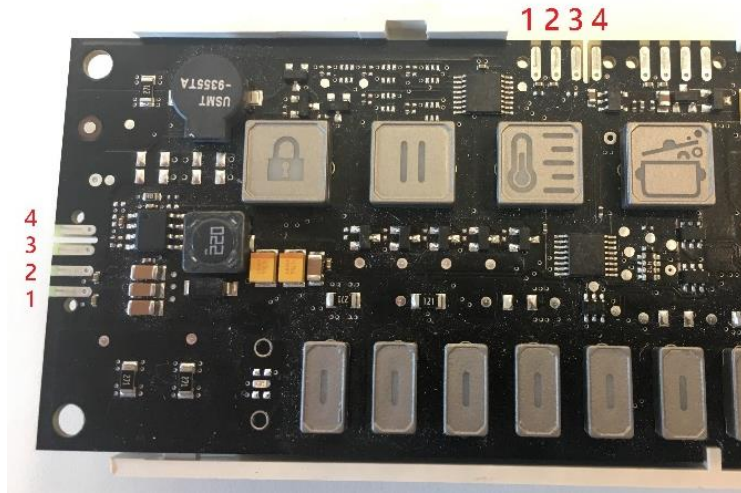


Disconnect 2 wiring, take care of correct position of User Interface / disconnettere 2 cablaggi, fare attenzione alla corretta posizione del gruppo comandi

# SERVICE MANUAL NIKOLATESLA PRIME S

## HOW TO REMOVE USER INTERFACE / COME RIMUOVERE IL COMANDO

If some errors are displayed on the UI, check these values on UI connectors supplied by IPS induction module / Se vengono visualizzati alcuni errori sull'interfaccia utente, controllare questi valori sui connettori dell'interfaccia utente forniti dal modulo di induzione IPS:



### PIN EDGE CONNECTOR RAST 2.5mm

- PIN1: 13.2V DC
- PIN2: 5V DC
- PIN3: DATA (~3.5V DC)
- PIN4: GROUND

Note: consider only the connectors with the polarization key between PIN3 and PIN4.

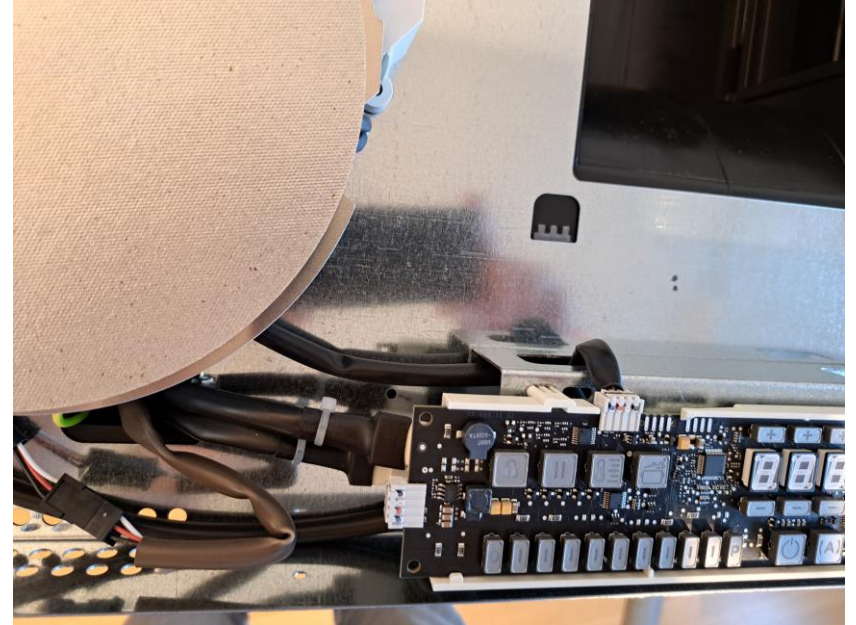
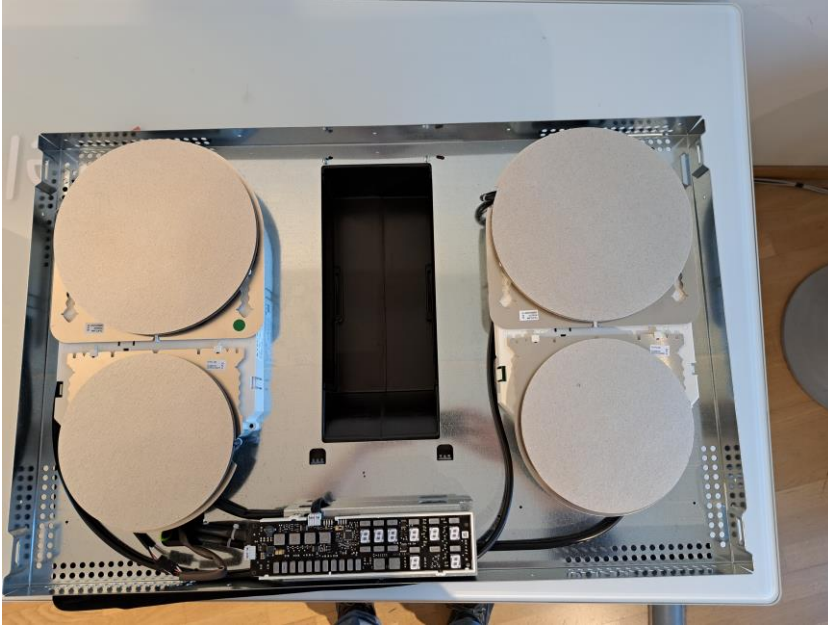
### CONNETTORE PIN RAST 2.5mm

- PIN1: 13,2 V CC
- PIN2: 5 V CC
- PIN3: DATI (~ 3,5 V CC)
- PIN4: TERRA

Nota: considerare solo i connettori con chiave di polarizzazione tra PIN3 e PIN4.

# SERVICE MANUAL NIKOLATESLA PRIME S

## CORRECT ASSEMBLING / ASSEMBLAGGIO CORRETTO



After replacing components check correct position of wiring and components / Dopo la sostituzione dei pezzi controllare il corretto posizionamento dei cavi e componenti

# SERVICE MANUAL NIKOLATESLA PRIME S

## FOCUS ON POTS / FOCUS SU PENTOLE

**Note:**

To maintain the best possible temperature monitoring of the cookware, it should be as level as possible. For cookware with a large air gap over the centre point of the cooking element, such as, for example, stamped imprints with the manufacturer's logo, the temperature monitoring is negatively effected and can cause overheating of the cookware. Damaged cookware, e.g. deformed bottom surfaces due to overheating, must not be used. For good cooking results, the diameter of the cookware's ferromagnetic area should match the size of the hotplate. If cookware is not detected on a hotplate, try it on the next smaller hotplate down. The cookware must be place directly onto the glass ceramic and should be centred. In no case anything may be between cookware and glass ceramic during cooking e.g. a trivet. The characteristics of the pan base may affect the uniformity of the cooking results. Pans made from materials which help diffuse heat, such as stainless steel sandwich pans, distribute heat uniformly, saving time and energy.

**Nota:**

Per mantenere il miglior monitoraggio possibile della temperatura delle pentole, dovrebbe essere il più a livello possibile. Per pentole con un ampio traferro sul punto centrale dell'elemento di cottura, come, ad esempio, impronte stampate con il logo del produttore, il monitoraggio della temperatura ha un effetto negativo e può causare il surriscaldamento della pentola. Pentole danneggiate, ad es. superfici inferiori deformate dovute a surriscaldamento, non devono essere utilizzate. Per ottenere buoni risultati di cottura, il diametro dell'area ferromagnetica della pentola deve corrispondere alle dimensioni della piastra. Se la pentola non viene rilevata su una piastra riscaldante, provarla sulla piastra successiva più piccola verso il basso. La pentola deve essere posizionata direttamente sulla vetroceramica e deve essere centrata. In nessun caso durante la cottura deve esserci nulla tra pentole e vetroceramica, ad es. sottopentola. Le caratteristiche del fondo della teglia possono influenzare l'uniformità dei risultati di cottura. Pentole realizzate con materiali che aiutano a diffondere il calore, come le padelle sandwich in acciaio inossidabile, distribuiscono il calore in modo uniforme, risparmiando tempo ed energia.

# SERVICE MANUAL NIKOLATESLA PRIME S

FOCUS ON POTS / FOCUS SU PENTOLE

BAD POT



GOOD POT



BEST POT



An aerial view of a city skyline, likely New York City, with a prominent geometric overlay of semi-transparent triangles in shades of red and blue. The Empire State Building is visible in the center. The text 'elica' is centered in the upper half of the image.

 elica

MetLife

WORLDWIDE