



SERVICE MANUAL VIRTUS MULTI 60/90 TFT

SM2300016

SERVICE MANUAL VIRTUS MULTI 60 TFT

Product presentation / presentazione prodotto



Specs

TYPE	Multifunction
UI	Touch TFT
DIMENSION	60 x 60
TEMP RANGE (°C)	30 - 320
MOISTURE CONTROL	YES
FOOD PROBE	YES
DOOR	Cool door (3 glasses) - Soft Closing
LIGHTS	2 halogen
LEVELS	5
GUIDES	Telescopic guides
CLEANING	Hydrocleaning
EEl	A+
CAVITY VOLUME	65 l
MAX POWER	2,45 kW/ 3,2 KW booster
ACCESSORIES	1 baking tray, 2 wire racks

Cooking Programs (16)



Pizza



Grill



Fan Grill



Defrosting



Eco



Fast PreHeat

Programs with Moisture Control



Static Cooking



Intensive Cooking



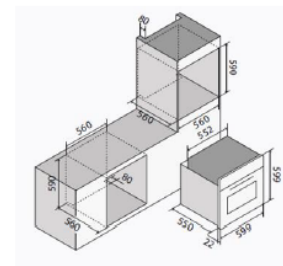
Multiple Fan



Cooking from below



Cooking from above



PERFECT HEAT



FOOD PROBE



MOISTURE CONTROL



SLIDING GUIDES



SOFT CLOSING



EASY CLEAN



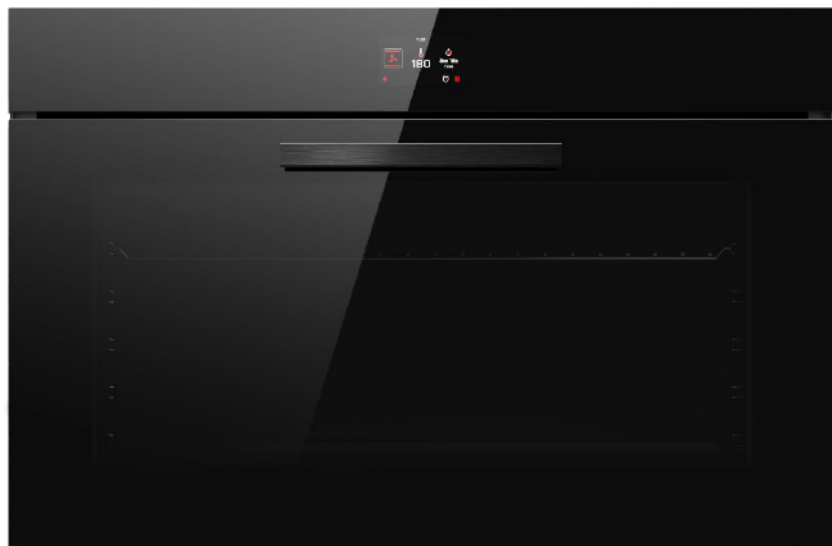
COOL DOOR



CABINET PROTECTION

SERVICE MANUAL VIRTUS MULTI 90 TFT

Product presentation / presentazione prodotto



PERFECT HEAT



FOOD PROBE



MOISTURE CONTROL



SLIDING GUIDES



SOFT CLOSING



EASY CLEAN



COOL DOOR



CABINET PROTECTION

Specs

TYPE	Multifunction
UI	Touch TFT
DIMENSION	90 x 60
TEMP RANGE (°C)	30 - 300
MOISTURE CONTROL	YES
FOOD PROBE	YES
DOOR	Cool door (3 glasses) – Soft Closing
LIGHTS	2 halogen
LEVELS	5
GUIDES	Telescopic guides
CLEANING	Hydrocleaning
EEL	A
CAVITY VOLUME	115 l
MAX POWER	2,95 kW/ 3,4 KW booster

ACCESSORIES

1 baking tray,
2 reinforced wire racks,
1 roasting spit

Cooking Programs (16)



Pizza



Grill



Fan Grill



Defrosting



Eco



Fast PreHeat

Programs with Moisture Control



Static Cooking



Intensive Cooking



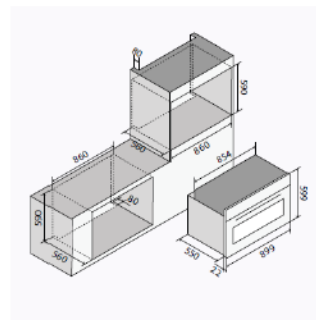
Multiple Fan



Cooking from below



Cooking from above



SERVICE MANUAL VIRTUS MULTI 60/90 TFT

Product presentation / presentazione prodotto



SERVICE MANUAL VIRTUS MULTI 60/90 TFT

Product presentation / presentazione prodotto





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SERVICE MANUAL VIRTUS MULTI 90 TFT

Product presentation / presentazione prodotto



Only TFT 90 is supplied with a roaster and thermometer /
solo il modello TFT 90 è fornito con il girarrosto e
termometro

SERVICE MANUAL VIRTUS MULTI 60/90 TFT

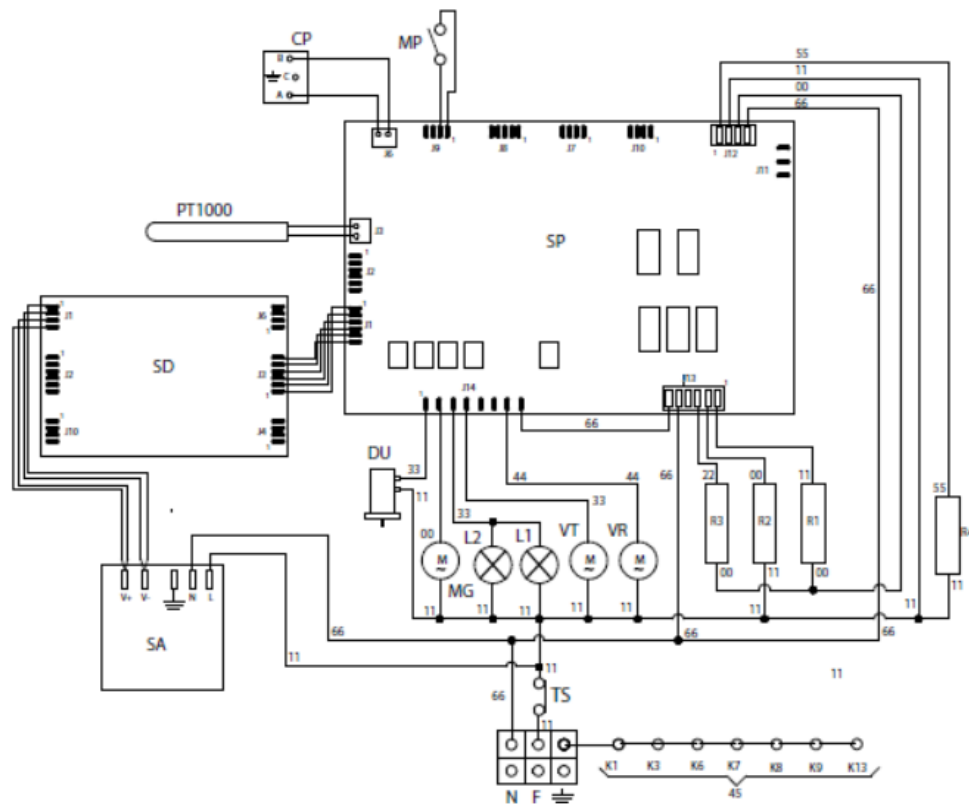
Product presentation / presentazione prodotto



Only TFT 90 is supplied with a roaster and thermometer /
solo il modello TFT 90 è fornito con il girarrosto e sonda
termometro

SERVICE MANUAL VIRTUS MULTI 60/90 TFT

Product presentation / presentazione prodotto

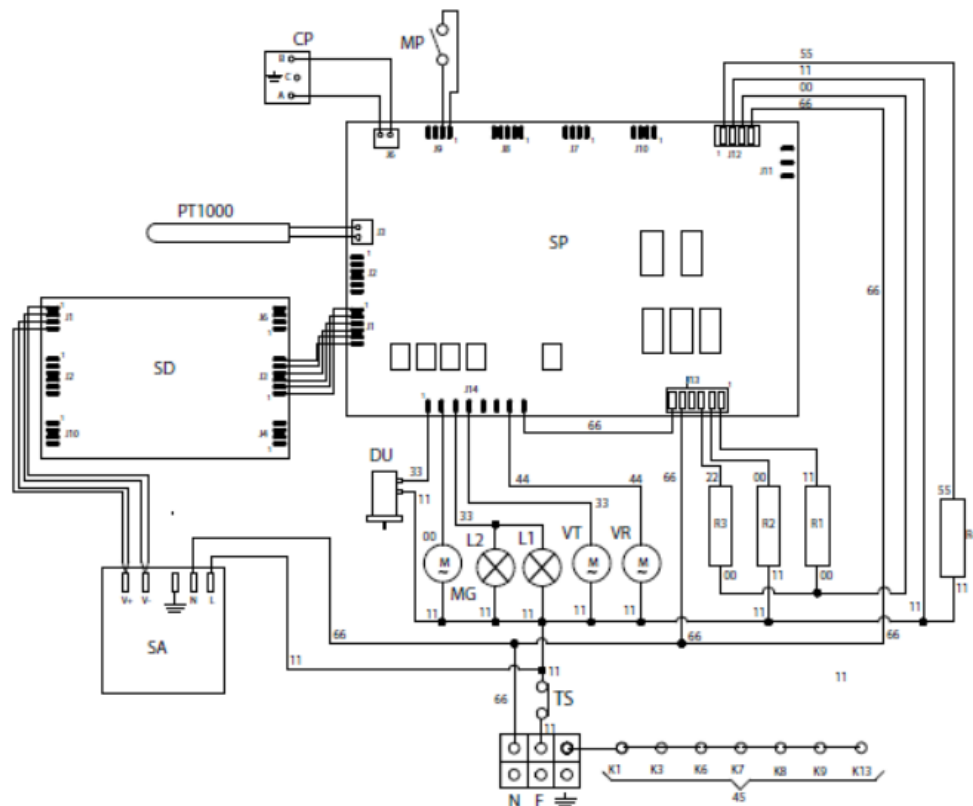


LEGEND / LEGENDA

00	Black	Nero
11	Brown	Marrone
22	Red	Rosso
33	White	Bianco
44	Yellow	Giallo
45	Yellow-Green	Giallo-Verde
55	Grey	Grigio
66	Blue	Blu
C	Commutator	Commutatore
CP	Cooking probe	Termometro cottura
DU	Wax thermal actuator	Termoattuatore
EF	Discharging steam	Scarico vapore
ET	Functions encoder Thermostat	Termostato funzioni encoder
F	Thermostat encoder	Termostato encoder
FLC	Filter	Filtro
K1	Earth wire terminal block	Filo terra morsetti
K2	“ “ Lower resistance	Filo terra resistenza inferiore
K3	“ “ oven fan	Filo terra ventilatore forno
K4	“ “ circulating resistance	Filo terra resistenza circolare
K5	“ “ upper resistance	Filo terra resistenza superiore
K6	“ “ oven light 1	Filo terra luce forno 1
K7	“ “ oven light 2	Filo terra luce forno 2
K8	“ “ roaster	Filo terra girarosto
K9	“ “ cooling fan	Filo terra ventilatore raffreddamento
K11	“ “ oven thermostat	Filo terra termostato forno
K12	“ “ programmer/timer	Filo terra ventilatore scheda principale
K15	“ “ frame	Filo terra telaio

SERVICE MANUAL VIRTUS MULTI 60/90 TFT

Product presentation / presentazione prodotto



LEGEND / LEGENDA

L1	Oven light	Luce forno 1
L2	Oven light	Luce forno 2
M	Terminal block	Morsettiera
MG	Roaster	Girarosto
MP	Door microswitch	Microinterruttore porta
N	Neutral	Neutro
NTC	Temperature probe	Sonda termometro
P	Timer/Programmer	Programmatore Timer
P	Timer/Clock	Programmatore Orologio
R1	Upper resistance	Resistenza superiore
R2	Lower resistance	Resistenza inferiore
R3	Grill resistance	Resistenza grill
R4	Circulating resistance	Resistenza circolare
S1	Oven warning light	Luce forno allerto
S2	Mains warning light	Luce principale allerto
SD	Display board	Scheda display
SE	Selector	Selettore
SP	Power board	Scheda potenza
SS	Probe board	Scheda sonda
T	Grill thermostat	Termostato grill
TF	Oven thermostat	Termostato Forno
TS	Safety thermostat	Termostato sicurezza
TT	Bypass thermostat	Termostato Bypass
TST	Safety cooling fan thermostat	Termostato sicurezza vent. Raffreddam.
V	Oven fan	Ventilatore forno
VT	Cooler fan	Ventilatore raffreddamento
SA	Power supply board	Scheda potenza alimentazione
GL	LED ring	anello LED
PT	Temperature probe PT1000	Termostato PT1000

Service tool / strumenti per riparazione



For any service repair you need to uninstall the product – see user manual / Per qualsiasi riparazione si deve disinstallare il prodotto – vedi manuale d'installazione



Philips PH2

Flathead screw driver – Cacciavite piatta

Plier – Pinza

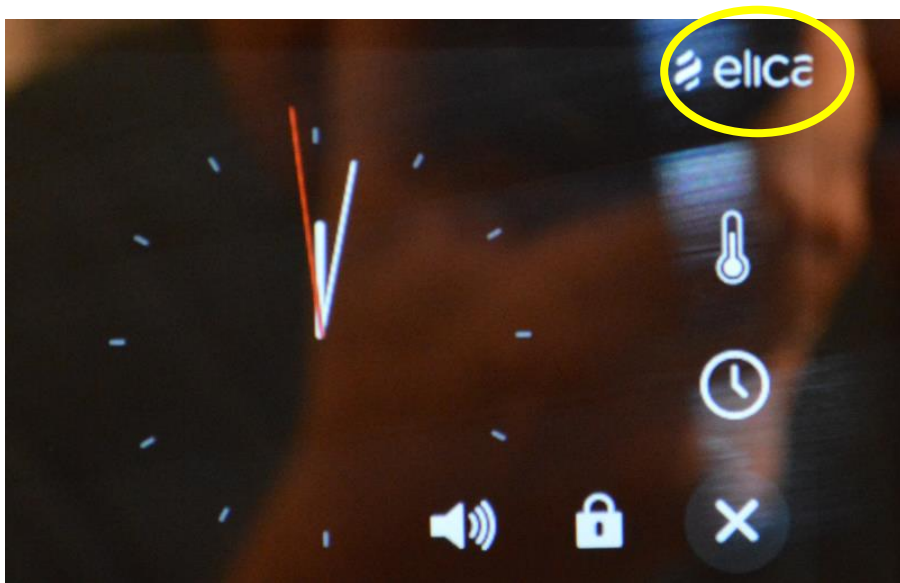
Spanner 7,10 – Chiave 7,10

Trouble Shooter / Problemi generici

DESCRIZIONE	ID errore
Sonda cavità interrotta	00
Sonda cavità in corto circuito	01
Sondacarne interrotta	04
Sonda carne in corto circuito	05
Surriscaldamento	08
Anomalia interna (scheda elettronica)	19
Errore di comunicazione	20

Description	Error ID
Cavity probe in open circuit	00
Cavity probe in short circuit	01
Meat probe in open circuit	04
Meat probe in short circuit	05
Tangential fan not working	08
Incorrect mapping card	19
Communication error	20

Trouble Shooter / Problemi generici



To enter in the sup-menu press the Elica logo for 3 seconds and insert the code 1234 and confirm with the check-mark/ per entrare nel sottomenu, premere il tasto «Elica» per 3 secondi ed inserire il codice 1234 e confermare con il segno di spunta

SERVICE MANUAL VIRTUS MULTI 60/90 TFT

Trouble Shooter / Problemi generici

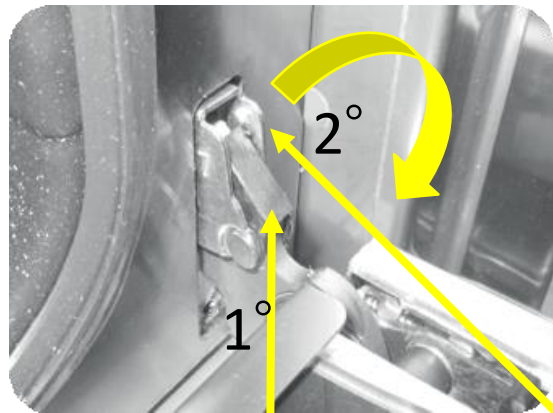


To leave the menu, press the X-sign / per uscire dal menu premere il tasto X

Trouble Shooter / Problemi generici

THE OVEN DOES NOT TURN ON	- Check electrical connection - Check the output voltage of the power supply unit - Check the input voltage to the motherboard	IL FORNO NON SI ACCENDE	- Verificare la connessione elettrica - Verificare la tensione di uscita dell'alimentatore - Verificare la tensione in ingresso alla scheda madre
THE OVEN DOES NOT COME UP TO TEMPERATURE	- Check supply voltage - Check that the correct oven is set in the TFT - Check NTC probe	IL FORNO NON VA IN TEMPERATURA	- Verificare la tensione di alimentazione - Verificare che sia impostato il forno corretto nel TFT - Verificare la sonda NTC
INTERNAL TEMPERATURE DIFFERENT FROM THE SET TEMPERATURE	- Check that the correct oven is set in the TFT - Check NTC probe	TEMPERATURA INTERNA DIVERSA DA QUELLA IMPOSTATA	- Verificare che sia impostato nel TFT il forno corretto - Verificare la sonda NTC
STEAM COMES OUT OF THE OVEN DOOR	- Check the correct condition and installation of the seal on the façade at the corners - Check that the oven door is fitted correctly - Check that the cooling tangential is working properly - Check the correct functioning of the vapour exhaust stack	ESCEVAPORE DALLA PORTA DEL FORNO	- Verificare il corretto stato e montaggio della guarnizione sulla facciata in corrispondenza degli angoli - Verificare che la porta del forno sia montata correttamente - Verificare che il tangenziale di raffreddamento funzioni correttamente - Verificare il corretto funzionamento del camino scarico vapori
EXCESSIVELY WARM OUTSIDE TEMPERATURES	- Check that the oven door is fitted correctly and check that the inner glass has the correct low-e side positioning - Check that the cooling tangential is working properly	TEMPERATURE ESTERNE TROPPO CALDE	- Verificare che la porta del forno sia montata correttamente e verificare il vetro interno abbia il corretto posizionamento del lato basso emissivo - Verificare che il tangenziale di raffreddamento funzioni correttamente
DURING NORMAL OPERATION IT SWITCHES ITSELF OFF	- Check that the cooling tangential is working properly - Check the output voltage of the 12VDC power supply unit - Safety thermostat tripping	DURANTE IL FUNZIONAMENTO NORMALE SI SPEGNE DA SOLO	- Verificare che il tangenziale di raffreddamento funzioni correttamente - Verificare la tensione in uscita dell'alimentatore 12VDC - Intervento termostato di sicurezza

Removal of the front door / Rimozione dello sportello



Opening latch /
linguetta d'apertura

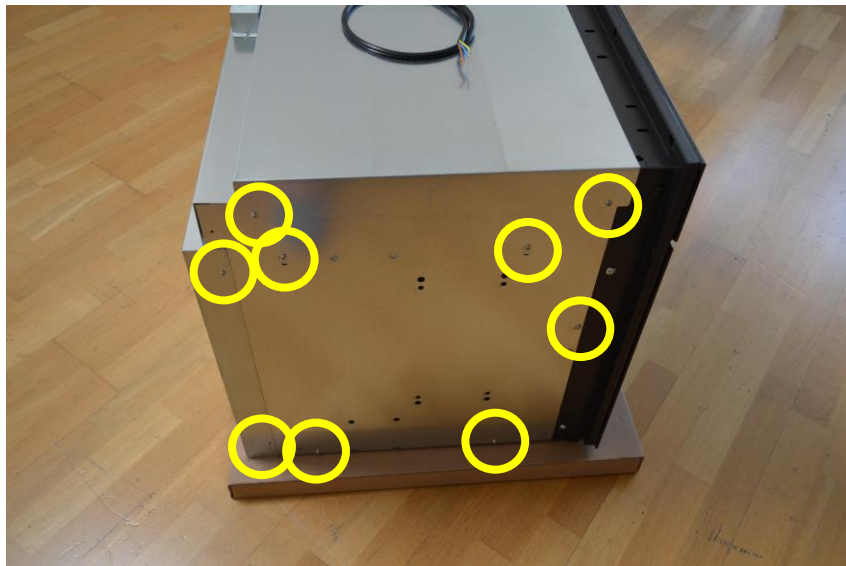


Security latch /
linguetta di sicurezza



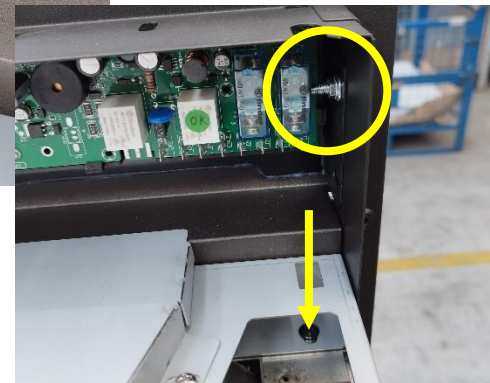
Close the door and pull upwards/
Richiudere lo sportello e tirare verso
l'alto

HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA



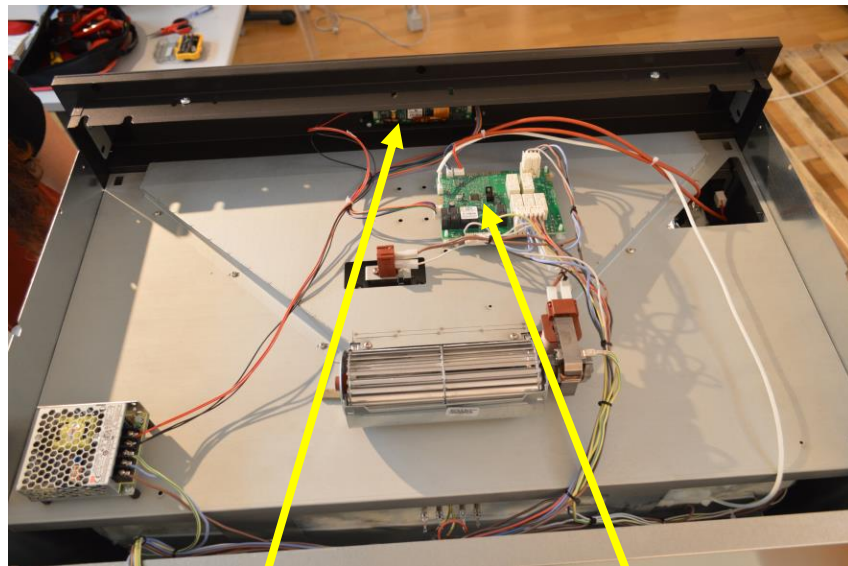
Remove the fixing screws of the external covering at left and right side / togliere le viti di fissaggio della copertura esterna a destra e sinistra.

HOW TO REPLACE FRONT PANEL / COME SOSTITUIRE IL CRUSCOTTO



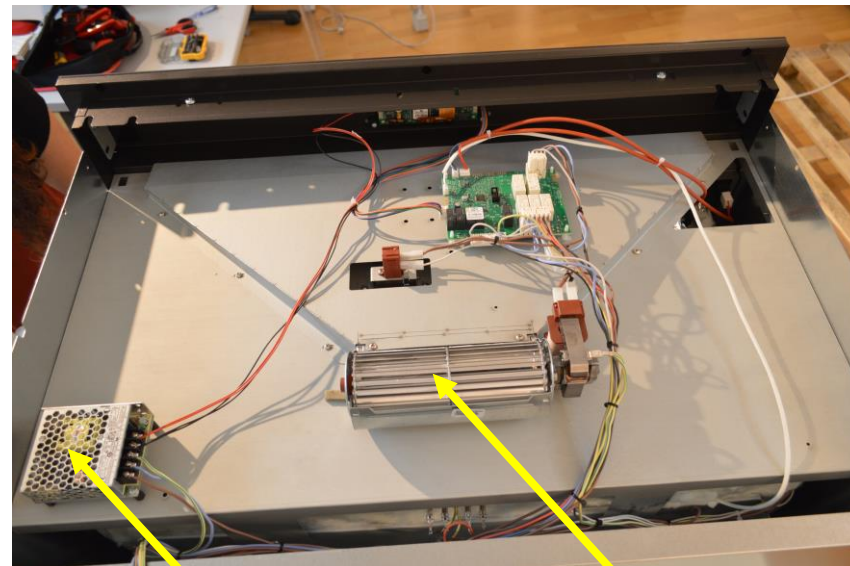
Remove the nuts circled, use a 7 mm spanner and remove the 2 screws inside the slots circled with arrows / Rimuovere i dadi indicati con i cerchi, utilizzare una chiave da 7 e rimuovere le 2 viti all'interno degli spacchi cerchiati con le frecce.

ELECTRICAL COMPONENTS / COMPONENTI ELETTRICI



Display touch board /
scheda touch display

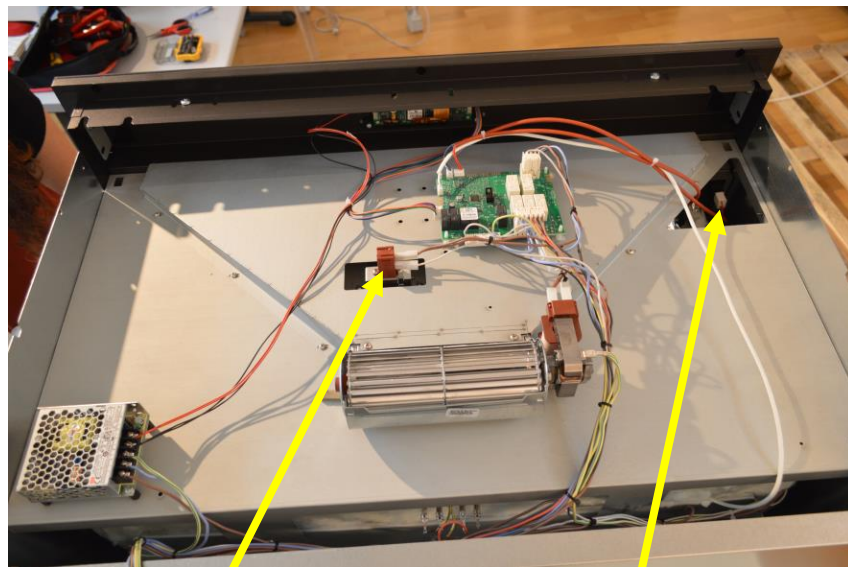
Main board /
scheda principale



Power supply board /
scheda d'alimentazione

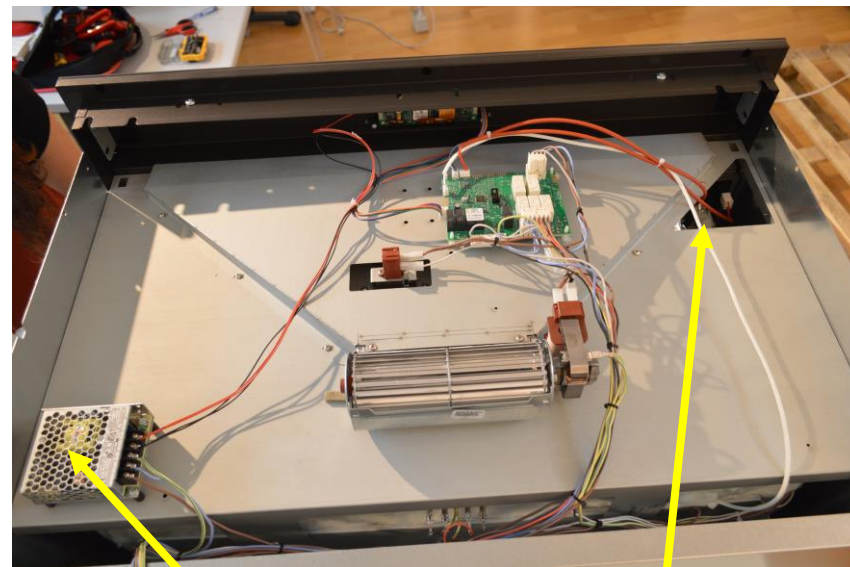
Cooling fan / Ventola
raffreddamento

ELECTRICAL COMPONENTS / COMPONENTI ELETTRICI



Thermal actuator /
termoattuator

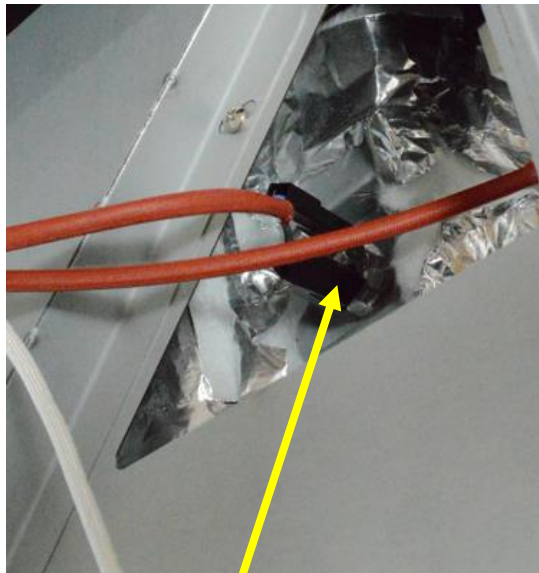
Door switch /
microinterruttore porta



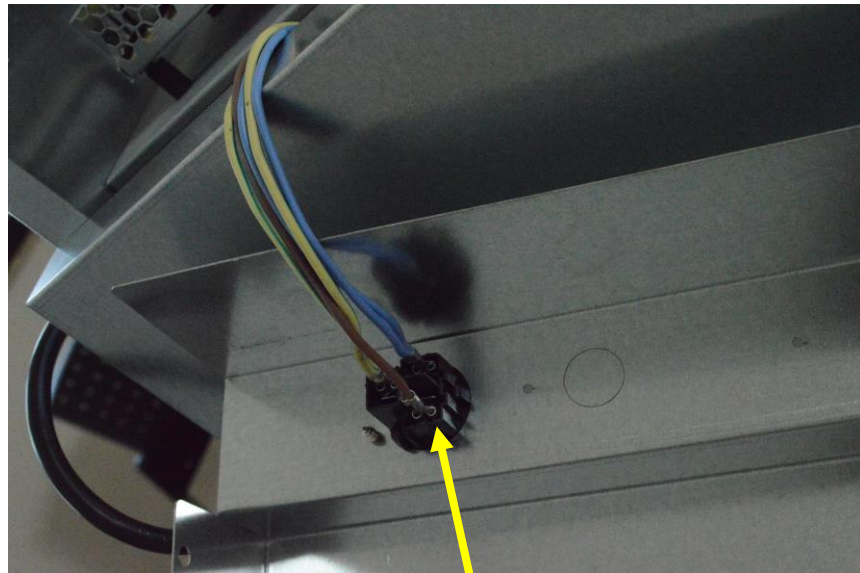
Power supply board /
scheda d'alimentazione

Plug thermal probe /
spinotto sonda termica

ELECTRICAL COMPONENTS / COMPONENTI ELETTRICI

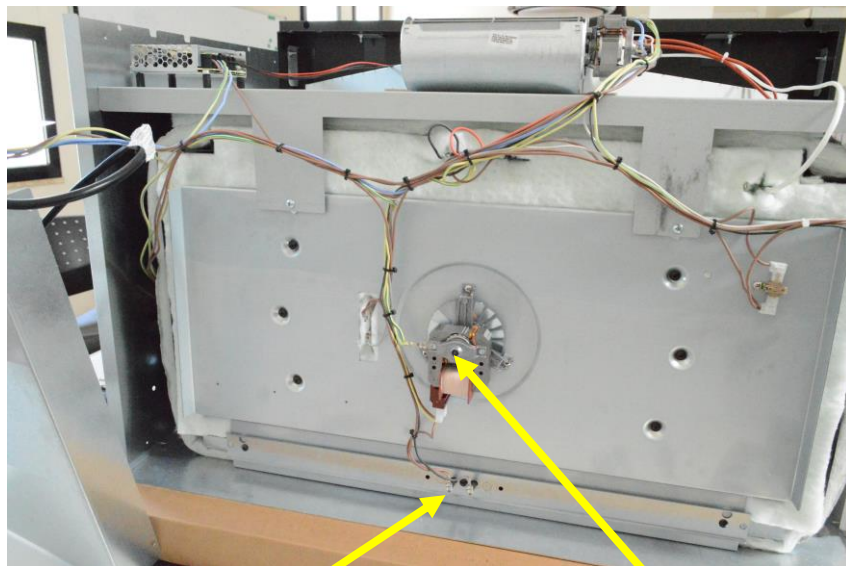


Plug thermal probe /
spinotto sonda termica



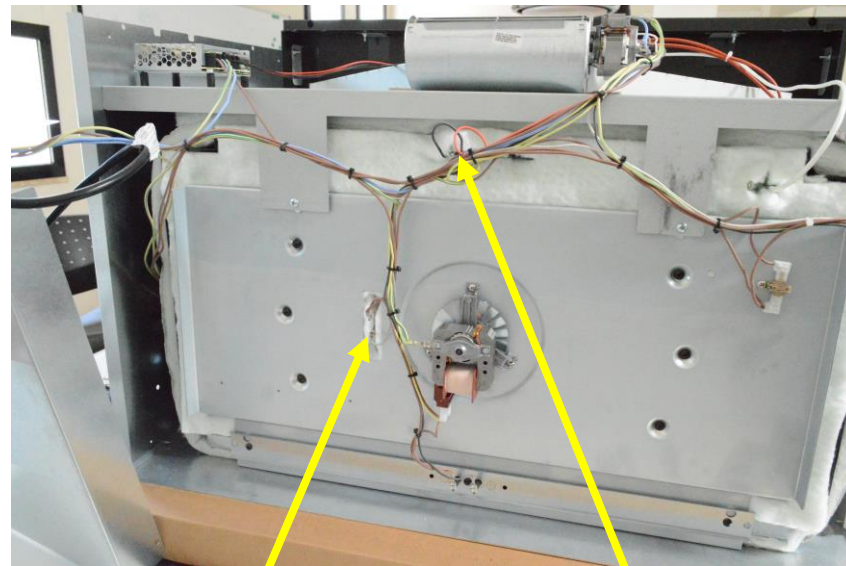
Terminal blocks /
Morsettiera

ELECTRICAL COMPONENTS / COMPONENTI ELETTRICI



Bottom heating element/
Resistenza inferiore

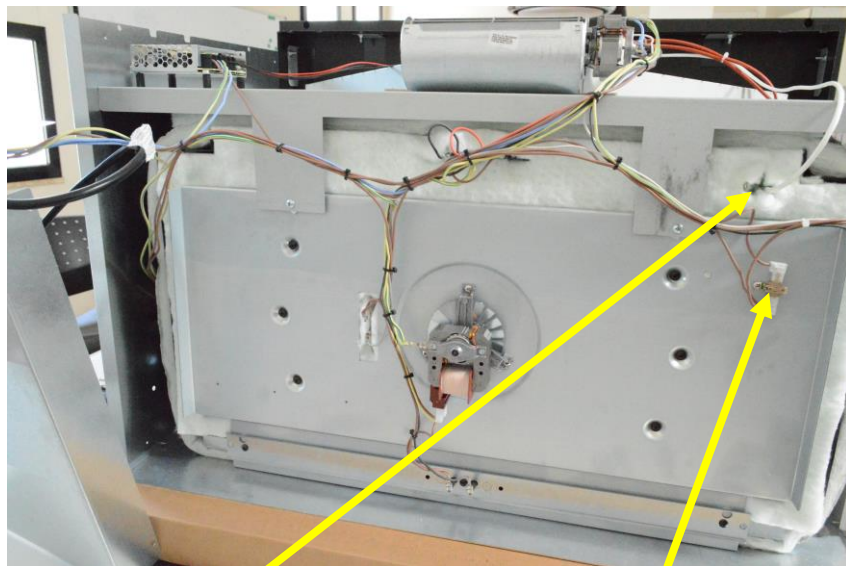
Oven fan/
Ventilatore forno



Circular heating element/
Resistenza circolare

Upper heating element/
Resistenza superiore

ELECTRICAL COMPONENTS / COMPONENTI ELETTRICI



Temperature sensor /
Sonda di temperatura

Security thermostat /
Termostato di sicurezza



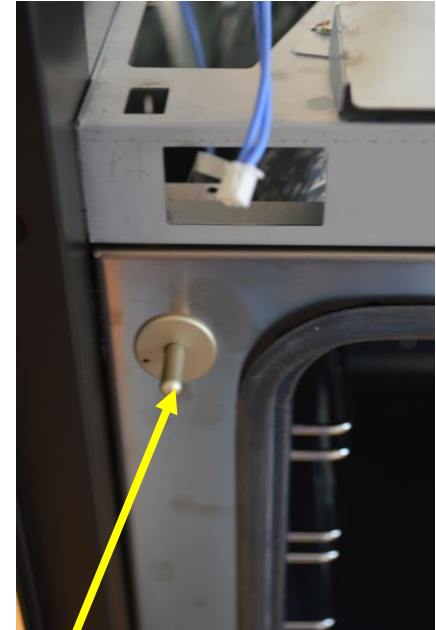
Roaster motor /
motore girarrosto

Oven light / luce forno

ELECTRICAL COMPONENTS / COMPONENTI ELETTRICI

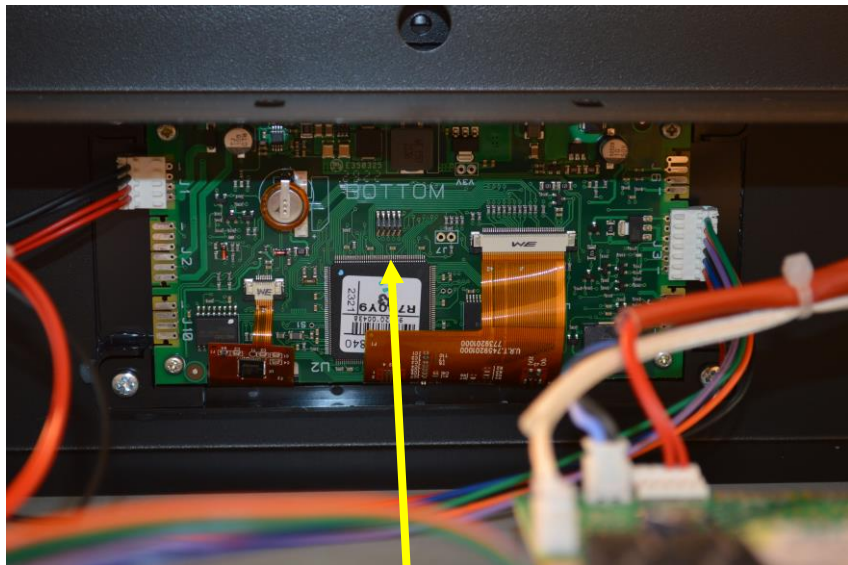


Door microswitch /
Microinterruttore porta



Door microswitch /
Microinterruttore porta

HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA

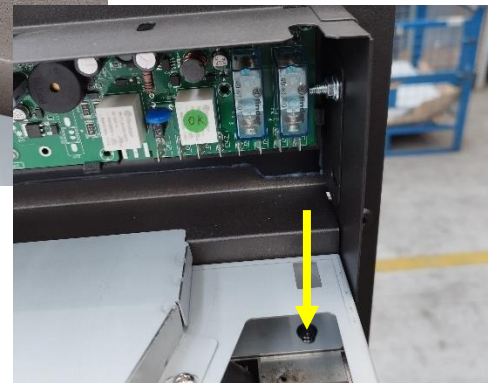
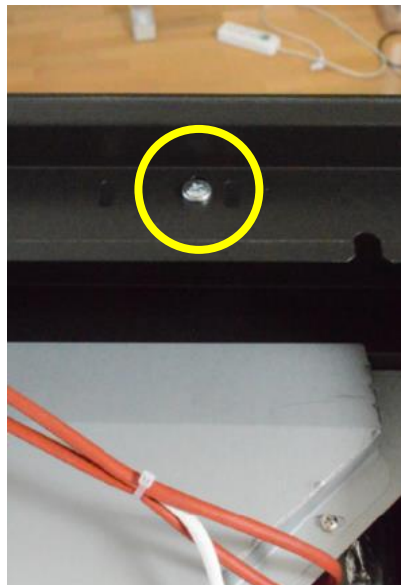


Display touch board /
scheda touch display



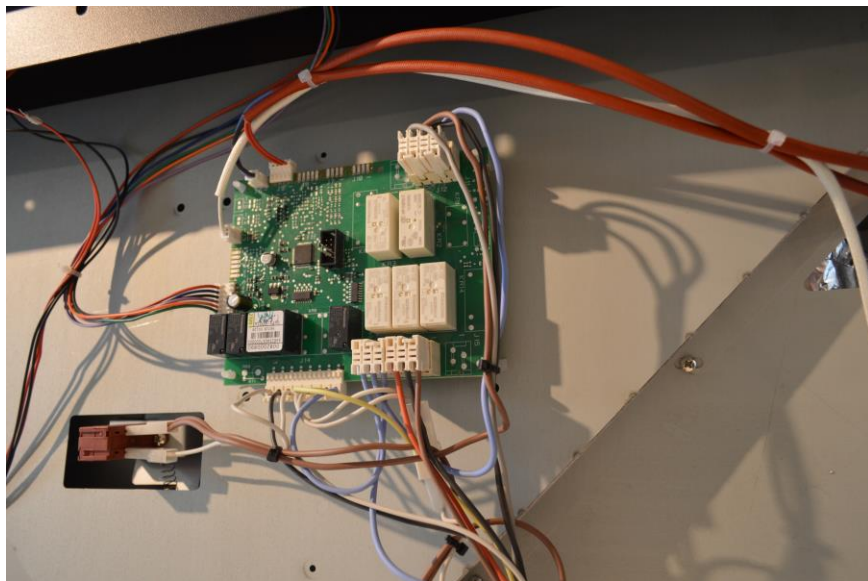
Remove all electrical connections / Togliere tutti i
collegamenti elettrici

HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA

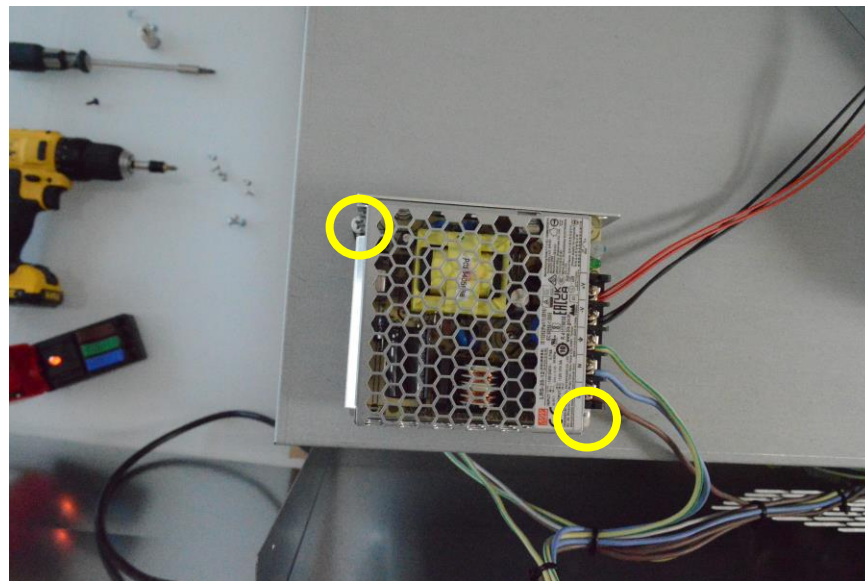


Remove the screws and nuts circled, use a 7 spanner and remove the 2 screws inside the slots marked with arrows, replace the complete front panel / Rimuovere le viti e dadi indicati con i cerchi, utilizzare una chiave da 7 e rimuovere le 2 viti all'interno degli spacchi indicati con le frecce e sostituire il frontale completo.

HOW TO REMOVE ELECTRONIC DEVICE / COME RIMUOVERE L'ELETTRONICA

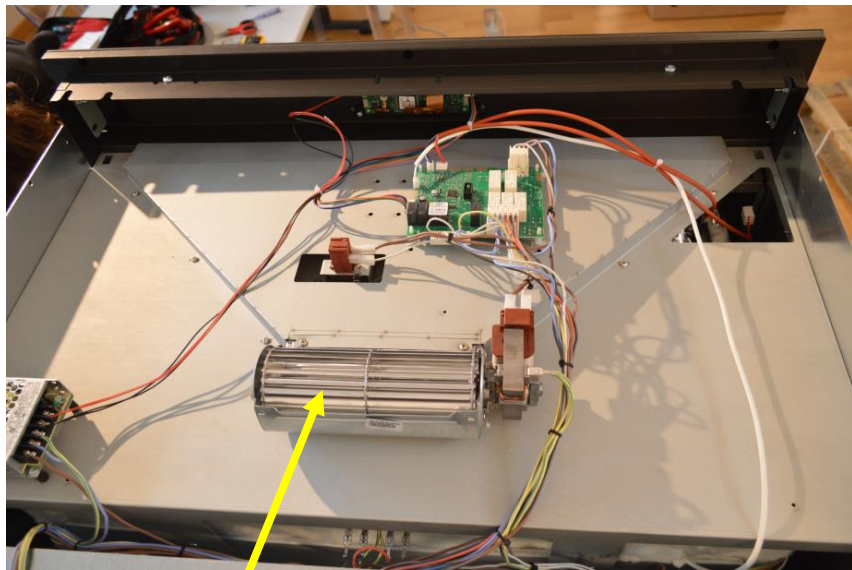


Disconnect alle electrical connection and unhinge the board from support pins / togliere i collegamenti elettrici e sganciare la scheda dai supporti

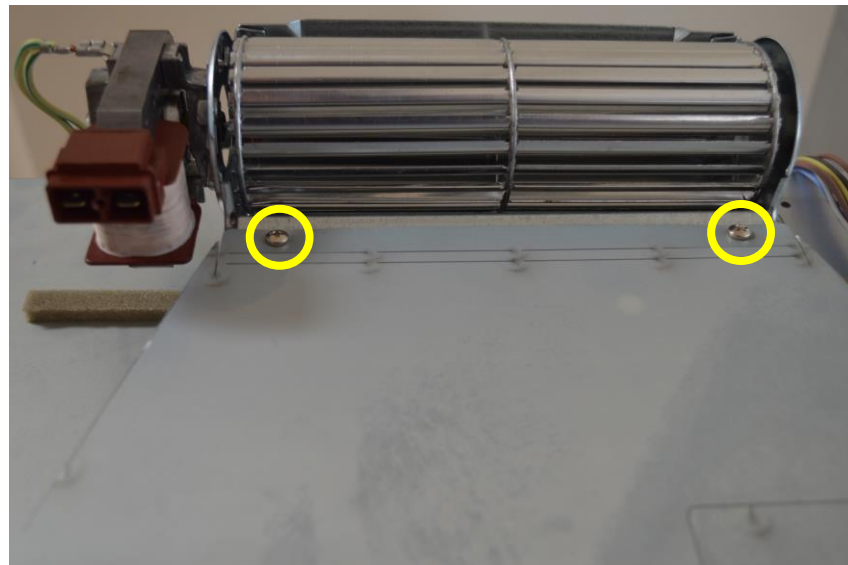


Disconnect alle electrical connection and unscrew the board from support pins / togliere i collegamenti elettrici e svitare la scheda dai supporti

HOW TO REMOVE COOLING FAN / COME RIMUOVERE VENTOLA DI RAFFREDDAMENTO

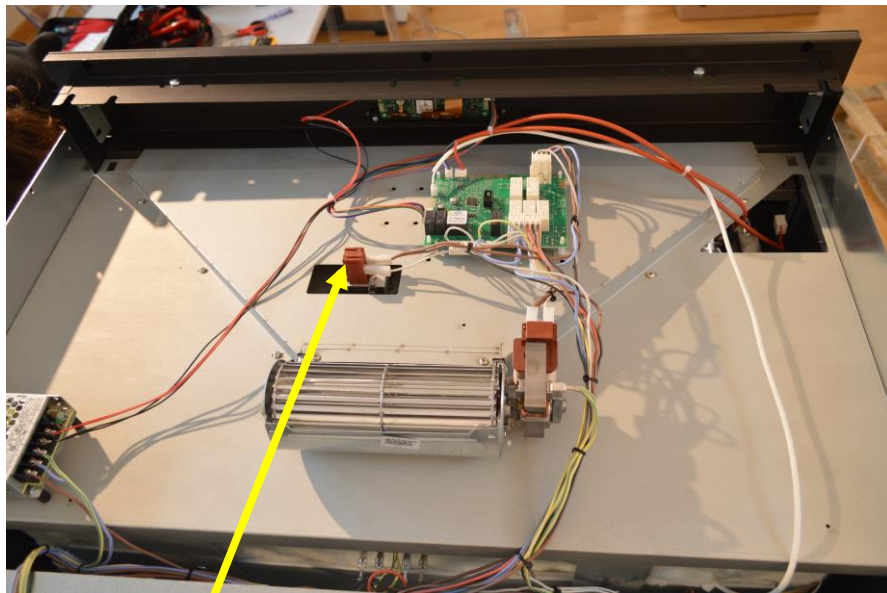


Cooling fan / Ventola
raffreddamento

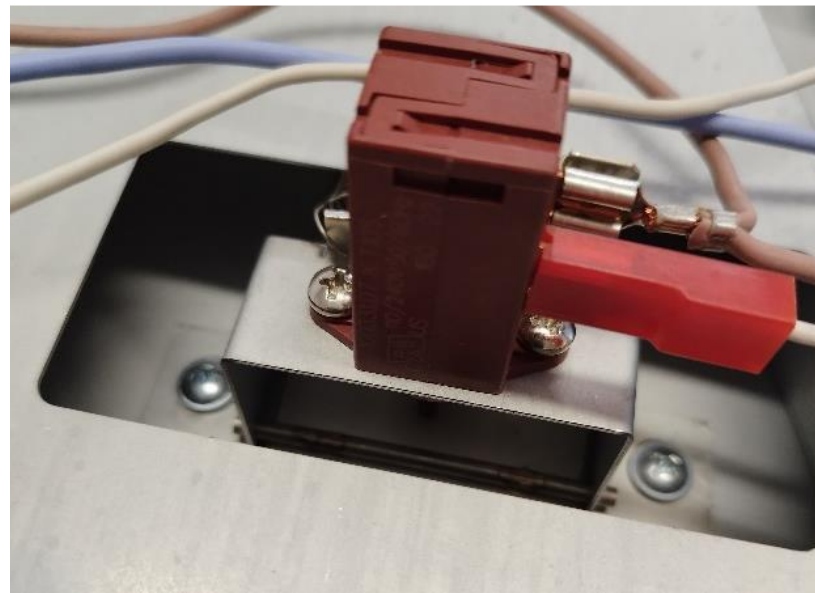


Disconnect electrical connection and unscrew the
fixing screws/ scollegare collegamento elettrico e
togliere le viti di fissaggio

HOW TO REMOVE THERMAL ACTUATORE / COME RIMUOVERE TERMOATTUATORE

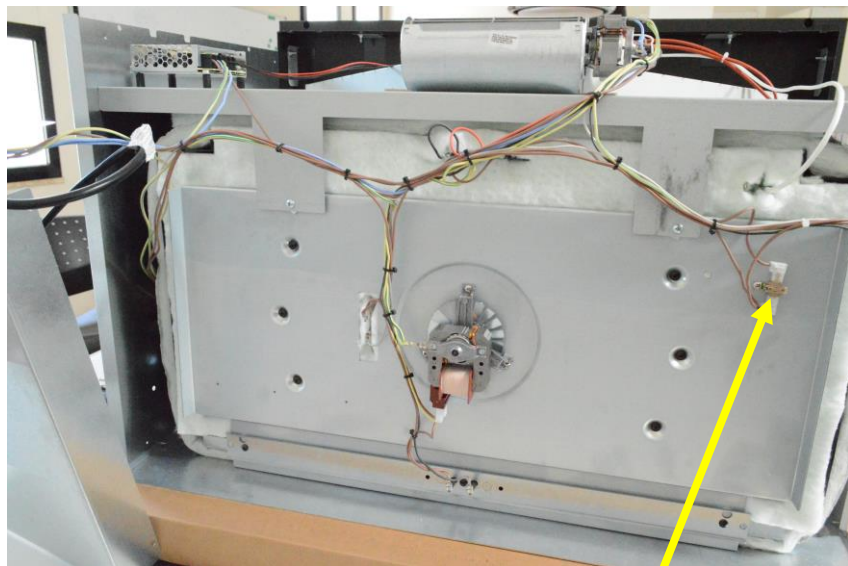


Thermal actuator /
termoattuatore



Disconnect electrical connection and unscrew the
fixing screws/ scollegare collegamento elettrico e
togliere le viti di fissaggio

HOW TO REMOVE TANGENTIAL THERMOSTAT/ COME RIMUOVERE TERMOSTATO TANGENZIALE

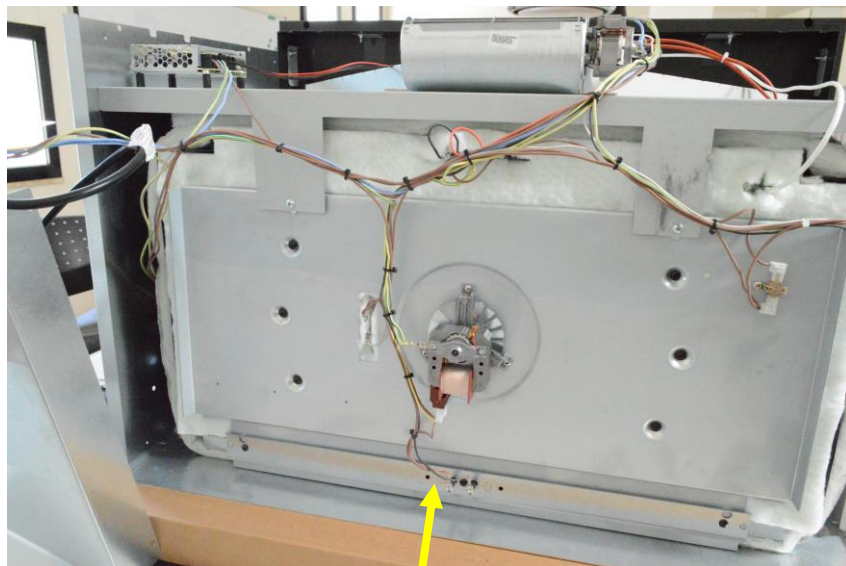


Tangential thermostat /
Termostato tangenziale

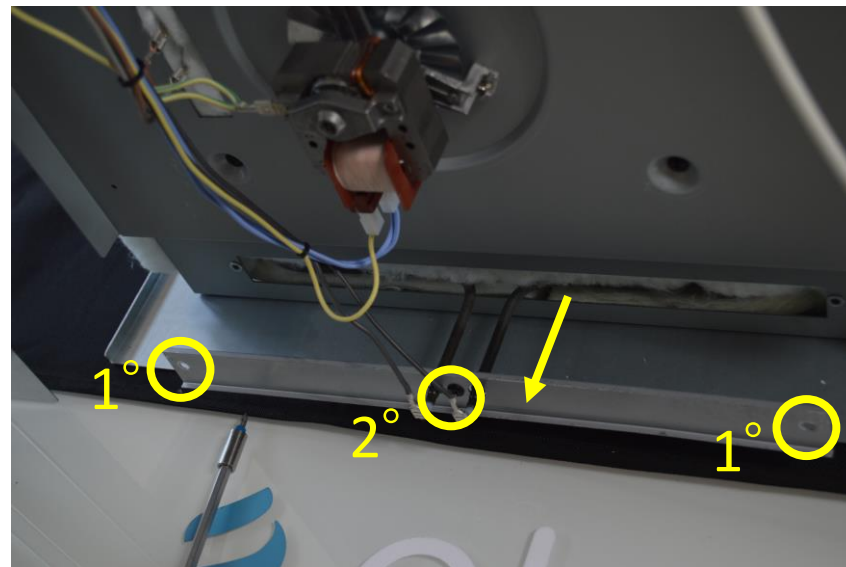


Disconnect electrical connection and lift-up retaining
spring / togliere il collegamento elettrico e sganciare la
molla di fissaggio

HOW TO REMOVE BOTTOM HEATING ELEMENT / COME RIMUOVERE RESISTENZA INFERIORE

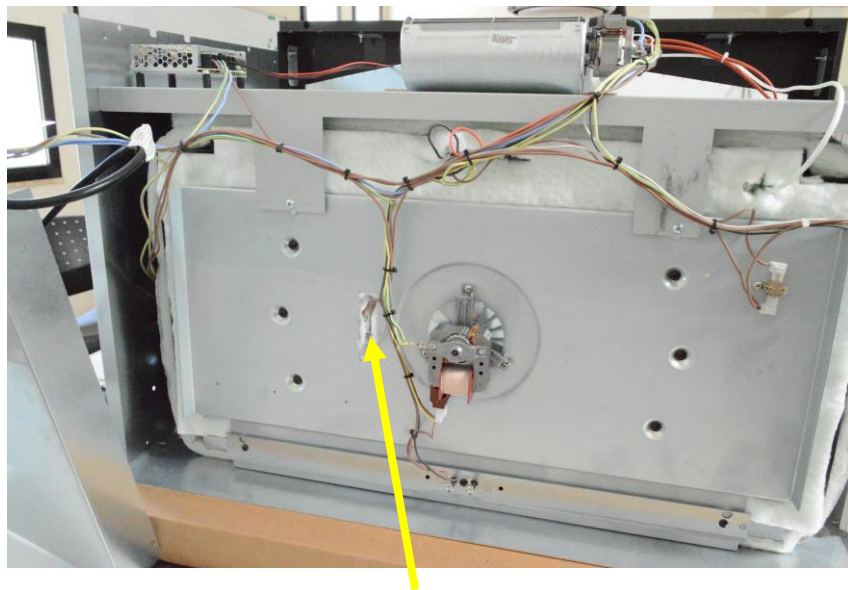


Bottom heating element/
Resistenza inferiore

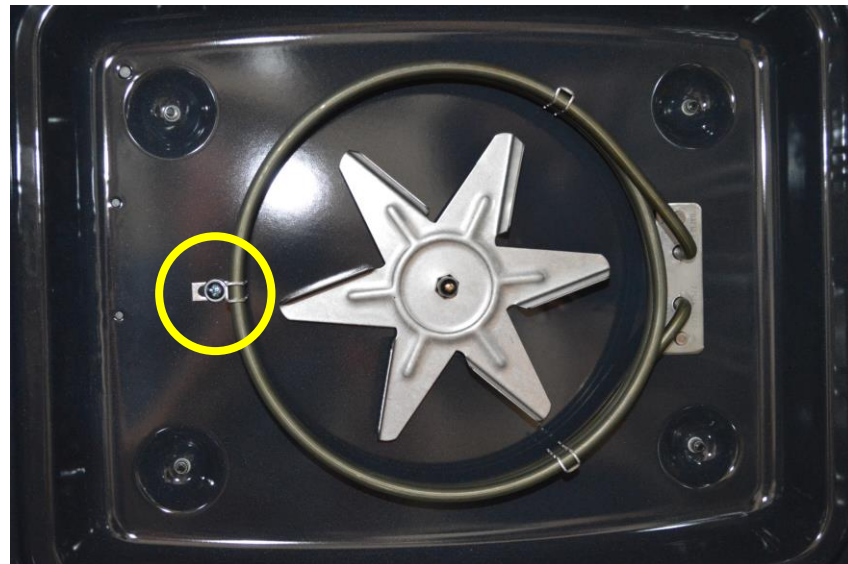


Remove the fixing screws 1° , disconnect electrical connection and pull out the bottom heating element than remove fixing screw 2° / Togliere le viti di fissaggio 1° staccare collegamenti elettrici e estrarre la resistenza inferiore poi rimuovere la vite 2°

HOW TO REMOVE CIRCULAR HEATING ELEMENT / COME RIMUOVERE RESISTENZA CIRCOLARE

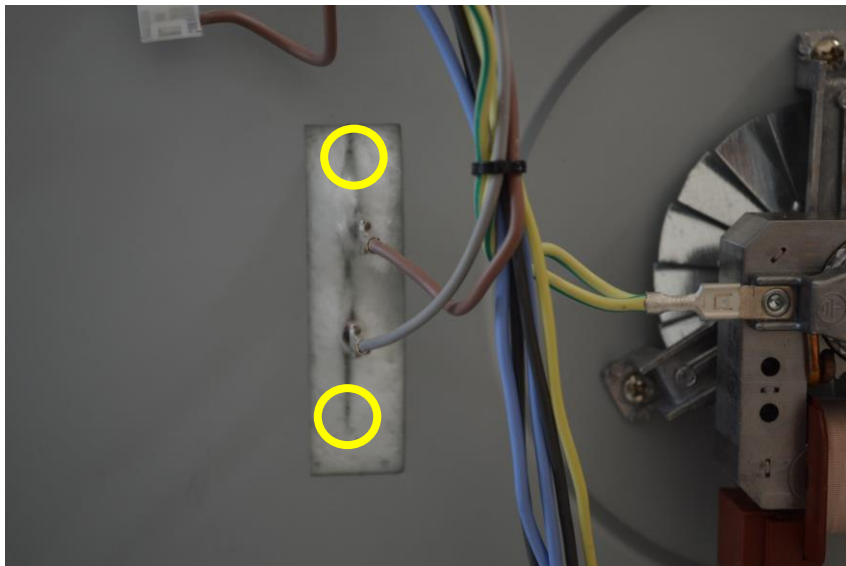


Circular heating element/
Resistenza circolare



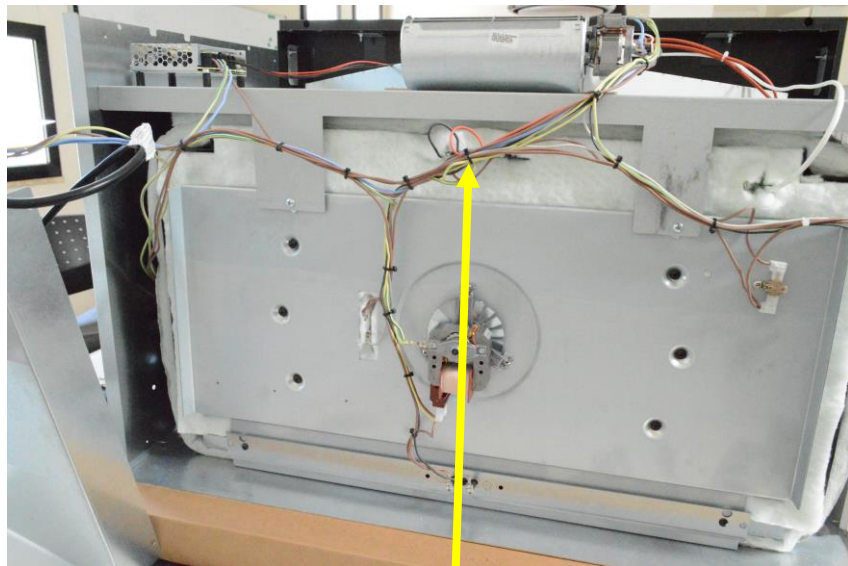
Unscrew the fixing screws of circular heating
element / svitare le viti di fissaggio resistenza

HOW TO REMOVE CIRCULAR HEATING ELEMENT / COME RIMUOVERE RESISTENZA CIRCOLARE

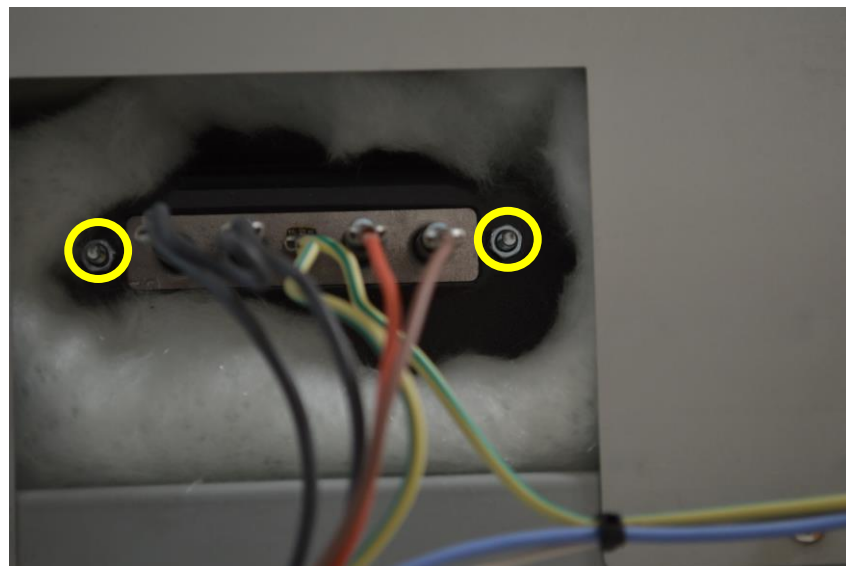


Remove electrical connection, unscrew the fixing screws of circular heating element and it pull out from the oven cavity / Togliere collegamento elettrico, svitare le viti di fissaggio resistenza ed estrarla dalla cavità del forno

HOW TO REMOVE UPPER HEATING ELEMENT / COME RIMUOVERE RESISTENZA SUPERIORE

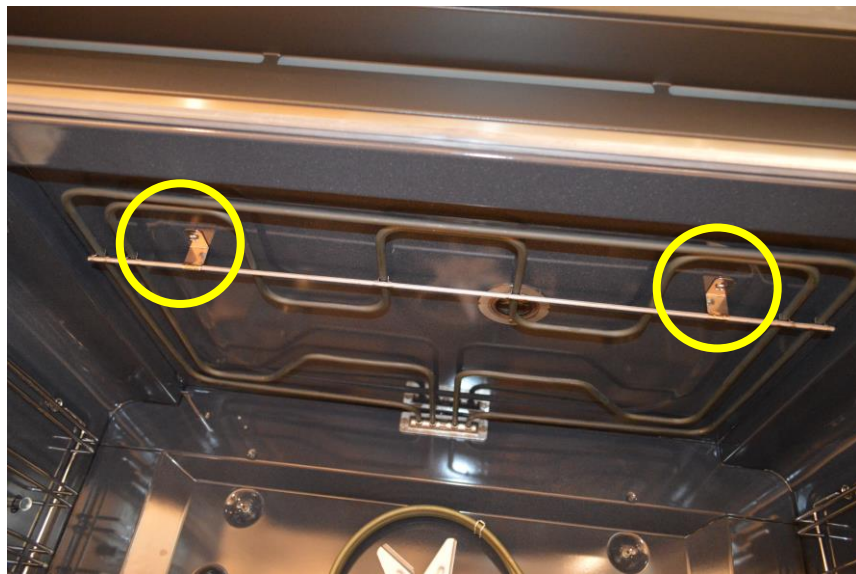


Upper heating element/
Resistenza superiore



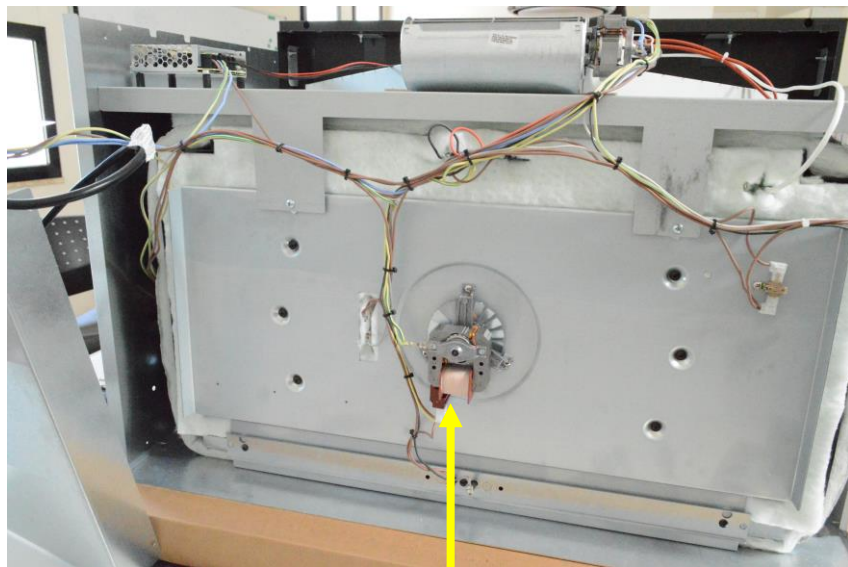
Remove electrical connection, unscrew the fixing screws of upper heating element / Togliere collegamento elettrico, svitare le viti di fissaggio resistenza

HOW TO REMOVE UPPER HEATING ELEMENT / COME RIMUOVERE RESISTENZA SUPERIORE

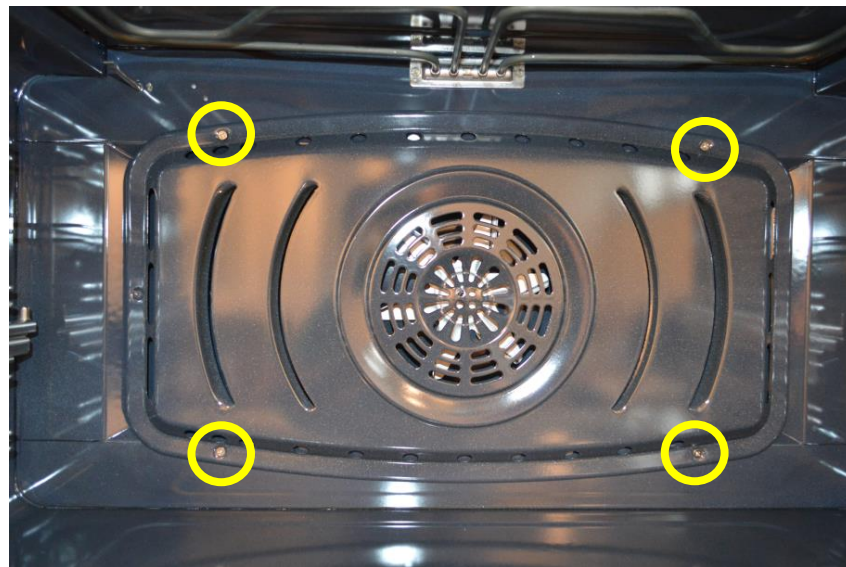


Unscrew the fixing screws of upper heating element and it pull out from the oven cavity /
Svitare le viti di fissaggio resistenza ed estrarla dalla cavità del forno

HOW TO REMOVE OVEN FAN / COME RIMUOVERE VENTILATORE FORNO

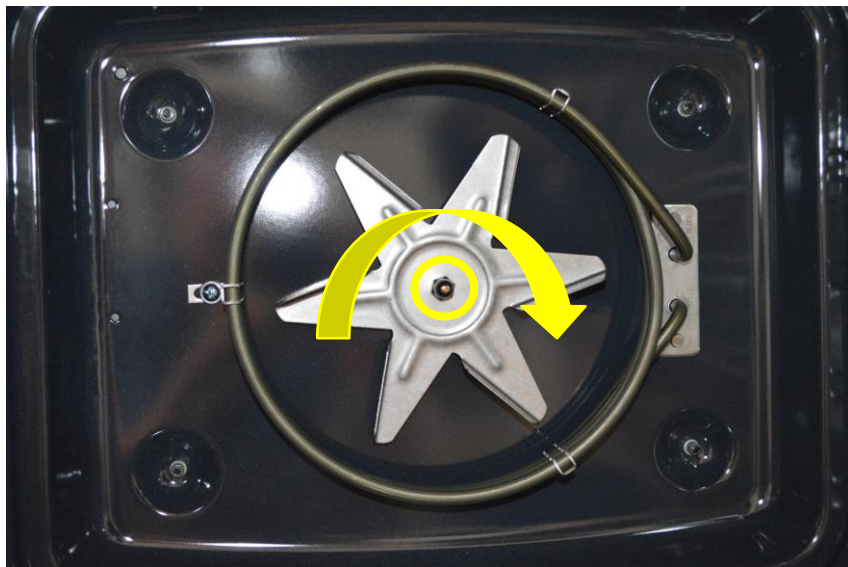


Oven fan/
Ventilatore forno

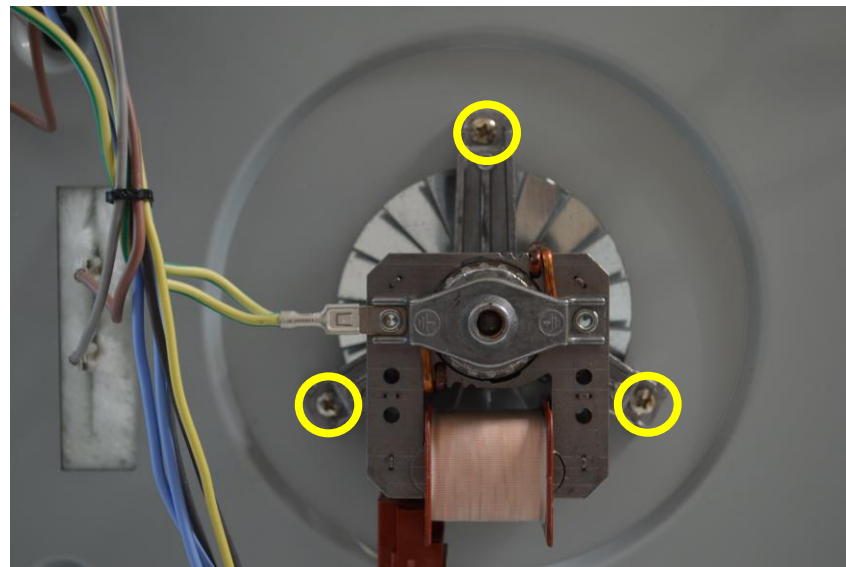


Remove the fixing screws of oven fan protection /
Togliere le viti di fissaggio protezione ventilatore
forno

HOW TO REMOVE OVEN FAN / COME RIMUOVERE VENTILATORE FORNO

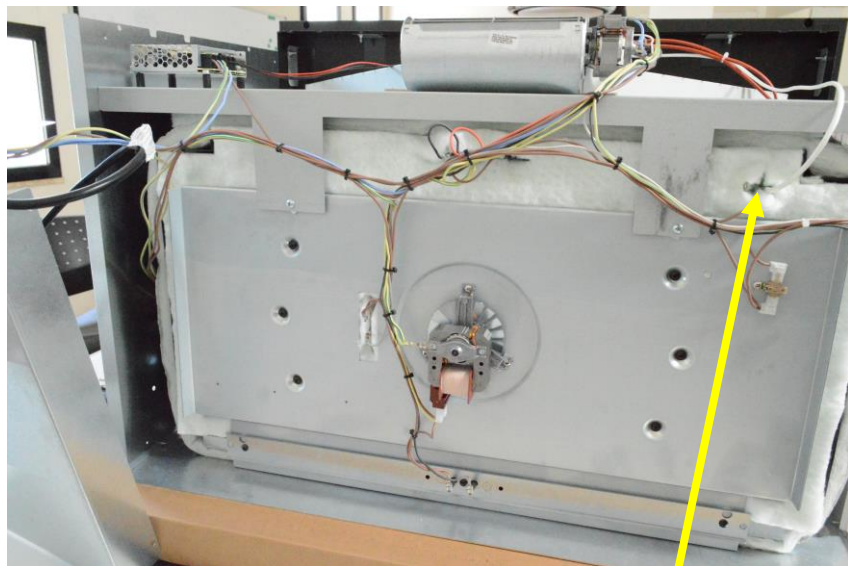


Remove the fixing screws of fan wheel in clockwise direction / Togliere le viti di fissaggio ventilatore in senso orario

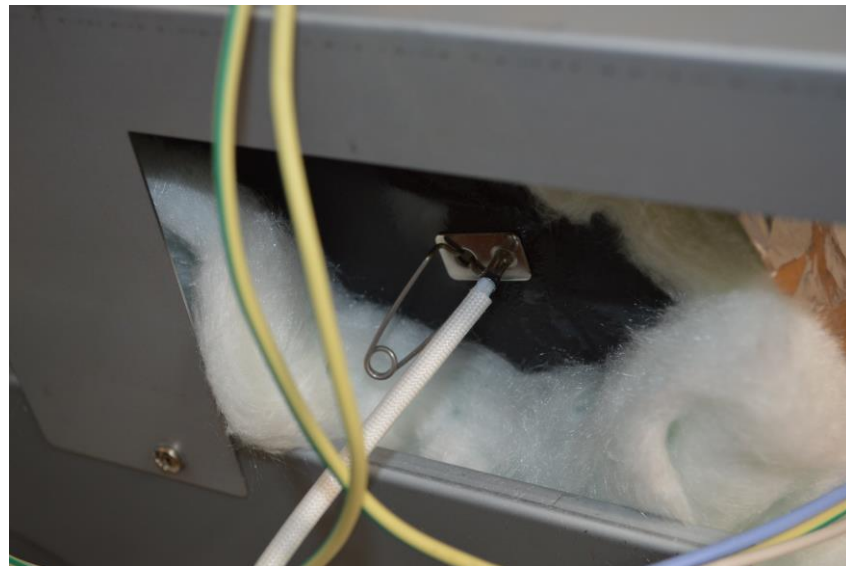


Remove electrical connection, unscrew the fixing screws and pull out the motor/ Togliere collegamento elettrico, svitare le viti di fissaggio ed estrarre il motore

HOW TO REMOVE TEMPERATUR SENSOR / COME RIMUOVERE SONDA DI TEMPERATURA

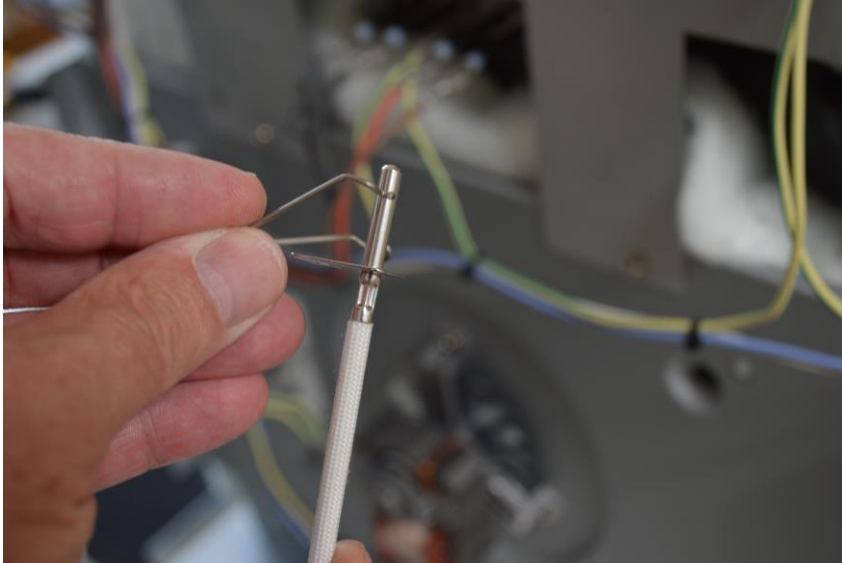


Temperature sensor /
Sonda di temperatura



Disconnect electrical connection and remove
retaining spring / togliere il collegamento elettrico e
sganciare la molla di fissaggio

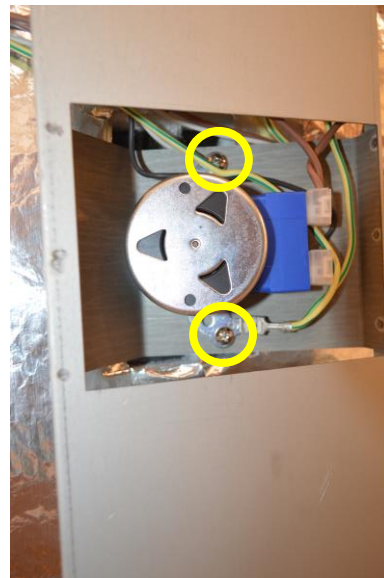
HOW TO REMOVE TEMPERATUR SENSOR / COME RIMUOVERE SONDA DI TEMPERATURA



HOW TO REMOVE ROASTER / COME RIMUOVERE IL GIRARROSTA



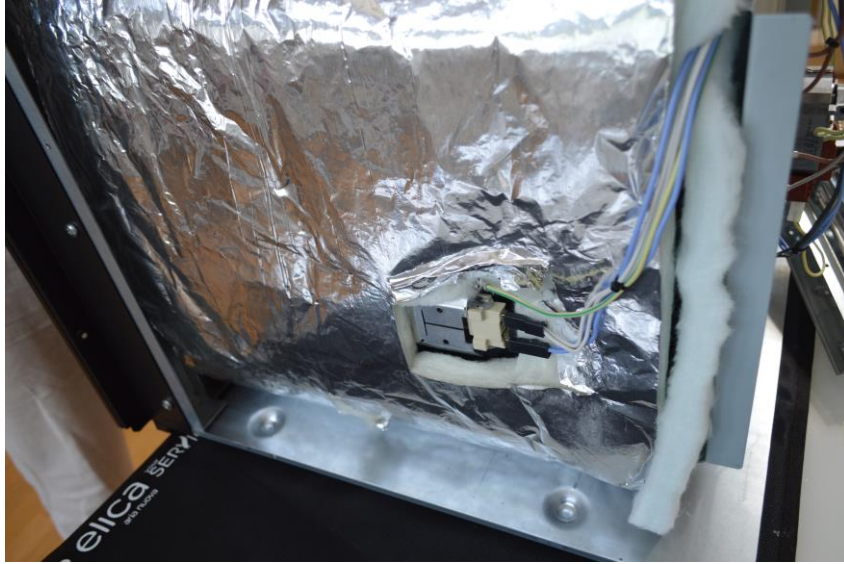
Roaster motor /
motore girarrosto



Unscrew the fixing screws and disconnect electrical
connection / togliere le viti e scollegare il
collegamenti elettrici



HOW TO REPLACE ILLUMINATION / COME SOSTITUIRE LA LAMPADA



Left and right oven illumination / Illuminazione forno sinistra e destra

HOW TO REPLACE ILLUMINATION / COME SOSTITUIRE LA LAMPADA



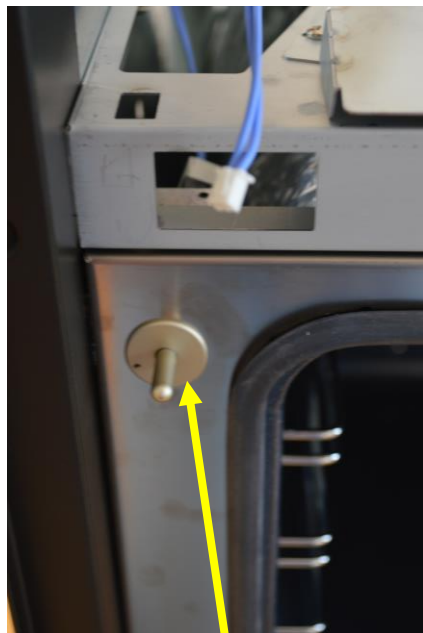
Remove with a flathead screwdriver the glass lamp cover / togliere un cacciavite piatta il vetro di protezione

HOW TO REPLACE ILLUMINATION / COME SOSTITUIRE LA LAMPADA

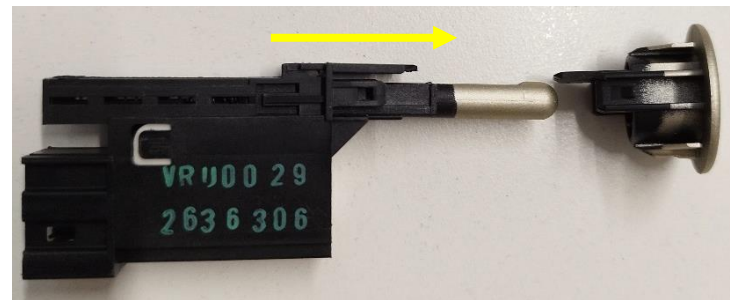
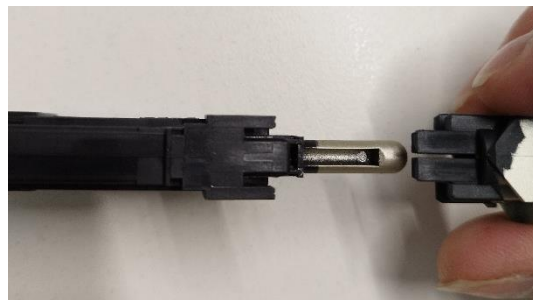


Remove with the bulb with an equivalent type 230V 40W halogen G9 / sostituire la lampadina con una equivalente del tipo 230V 40W alogena G9

HOW TO REMOVE DOOR MICROSWITCH / COME RIMUOVERE MICROINTERRUTTORE PORTA

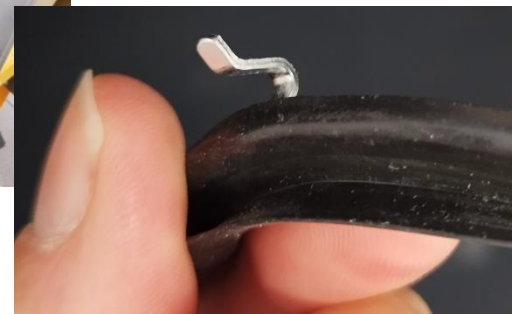
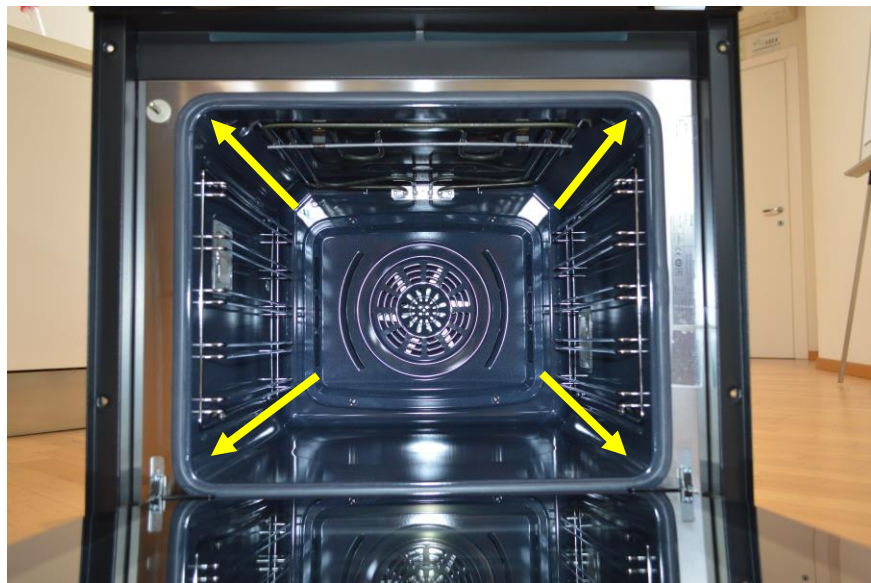


Door microswitch /
Microinterruttore porta



Disconnect electrical connection and break the microswitch. When reassembling fit the bushing in the frame and assemble the microswitch / togliere il collegamento elettrico e rompere il micro interruttore. In fase d'assemblaggio inserire la boccia del telaio e montare il microinterruttore.

HOW TO REPLACE DOOR GASKET / COME SOSTITUIRE LA GUARNIZIONE PORTA



Release the gasket retaining hooks located in the corners of the muffle / sganciare i ganci di fissaggio della guarnizione posizionati agli angoli della muffola

