



GAS ROTISSERIE

« FauxFlame » range

Ref. FFS1100-4G

TYPE A

INSTALLERS MANUAL

(last modified 12/09/2020)



Membre de la Chaîne des Rôtisseurs

1. PRESENTATION OF THE UNIT

1.1. GENERAL

Rotisseries " FauFlame " range gas powered and electricity at a voltage of 208 - 230V + earth.

Reference	Lenght (inch)	depth (inch)	Height (inch)	weight (Lb)	Gas power (btu/h)	Electrical power (kw)
FFS1100-4G	46 5/8	21 1/8	70 5/8	364	41000	0,23

The device is for professional use and should be used by qualified personnel.

Before starting any operation, please see these instructions. The carefully kept available near the rotisserie While cooking appliance generates heat and particles of fat.

It is advisable to provide for their installation in premises protected anti-fire and ventilated mechanically accordance with safety regulations and health standards relating to trades mouths (please check with specialized companies and agreed on the benefits of work to be done according to safety standards: ventilation (extraction), plumbing (water, gas protection, fire, etc. ...), electricity, building (anti-slip tiles, firewall, etc. ...).

We advise you to hire a qualified dealer for connection and start of the roasting pan as long as reservations are electric and gas conducted by certified companies, authorized by you, and hold near the location of the cooking appliance.

Interventions on electrical parts must be performed by qualified personnel in the compliance with current standards.

The company is not liable for damages if:

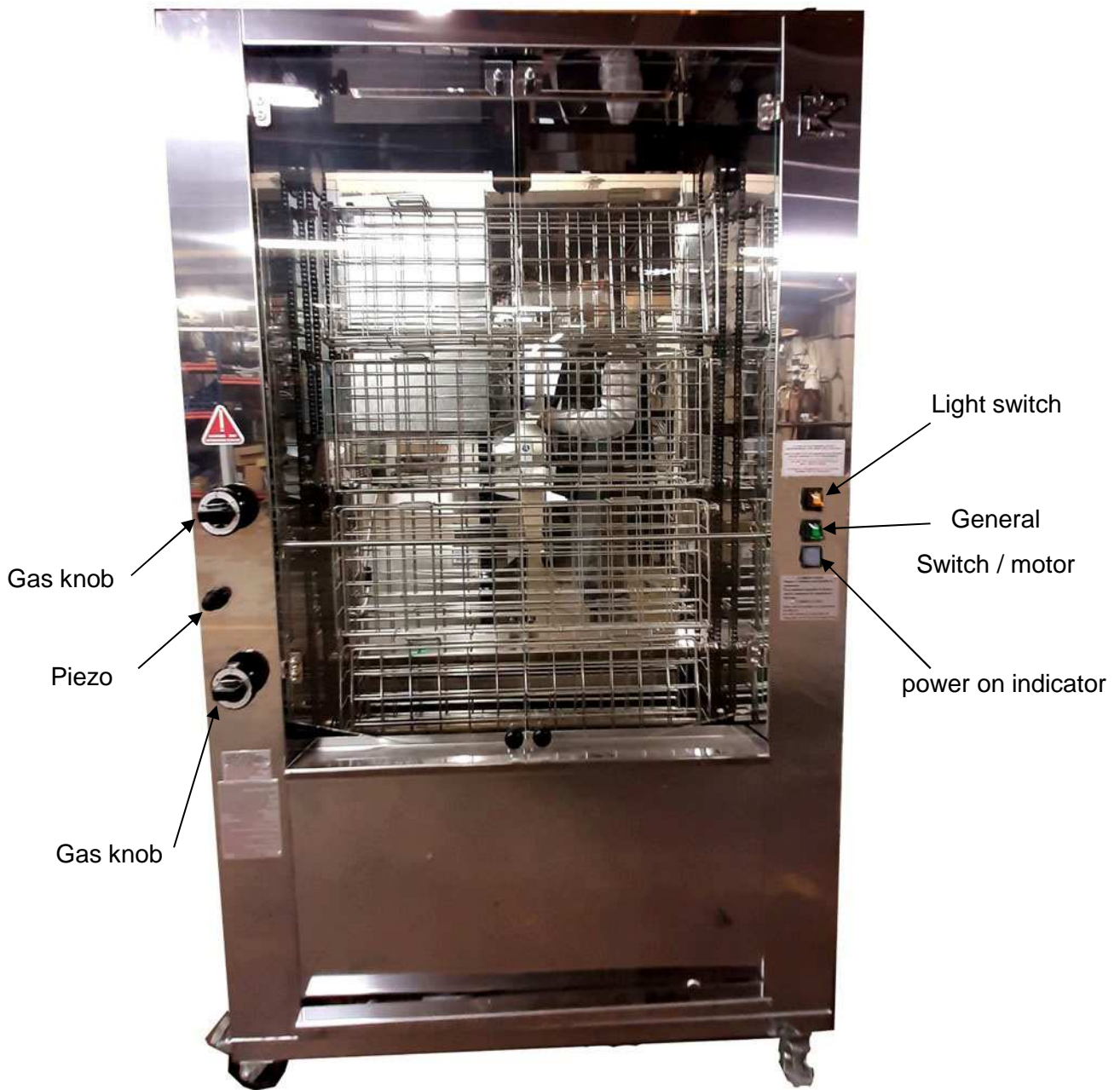
- Incorrect use of the device
- non-compliance with standards
- incorrect installation
- Failure to follow instructions for maintenance
- unauthorized modification
- installation of non-original spare parts
- installation and use of the rotisserie different than those provided by the manufacturer

In case of suspicious odors of gas in place of the rotisserie, stop it by closing valves gas supplies and the power supply.

If gas odors persist, call the local gas supplier.

1.2. BRAND, REFERENCE

Rotisseries **ROTISOL**, reference: « FFS1100-4G ».



FOR YOUR SAFETY

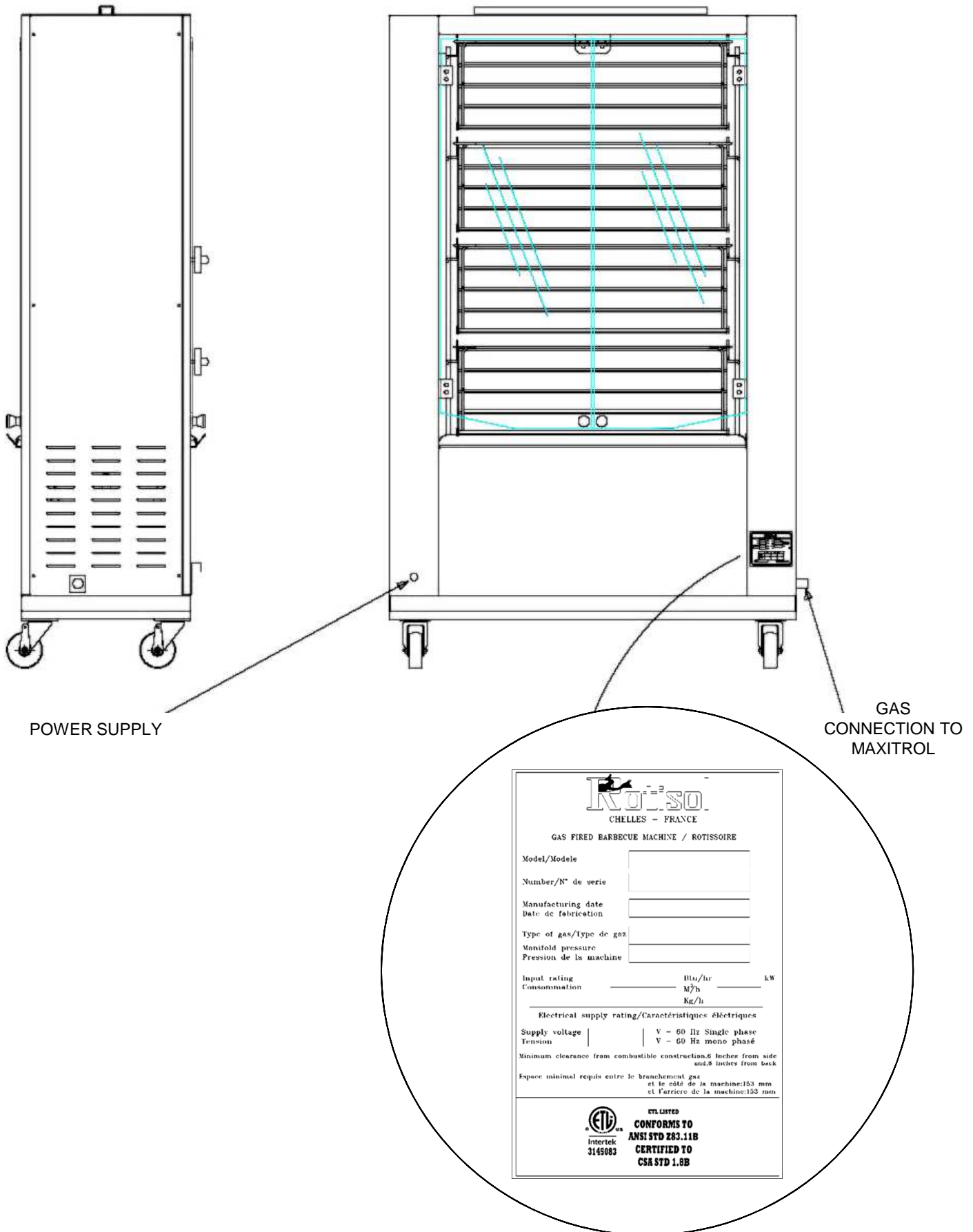
Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

1.3. SITE OF THE MANUFACTURER'S PLATE

The manufacturer's plate is located on the back bottom right of the unit.



2.2. GAS CONNECTION

Connect the rôtisserie to the gas supply, with interposing a block valve to isolate this one from the rest of the installation.

The gas supply conduct will be sized to minimize losses. Its diameter will be determined according to its path (length, number of bends, tees ...) and of the total power of the rotissoire.

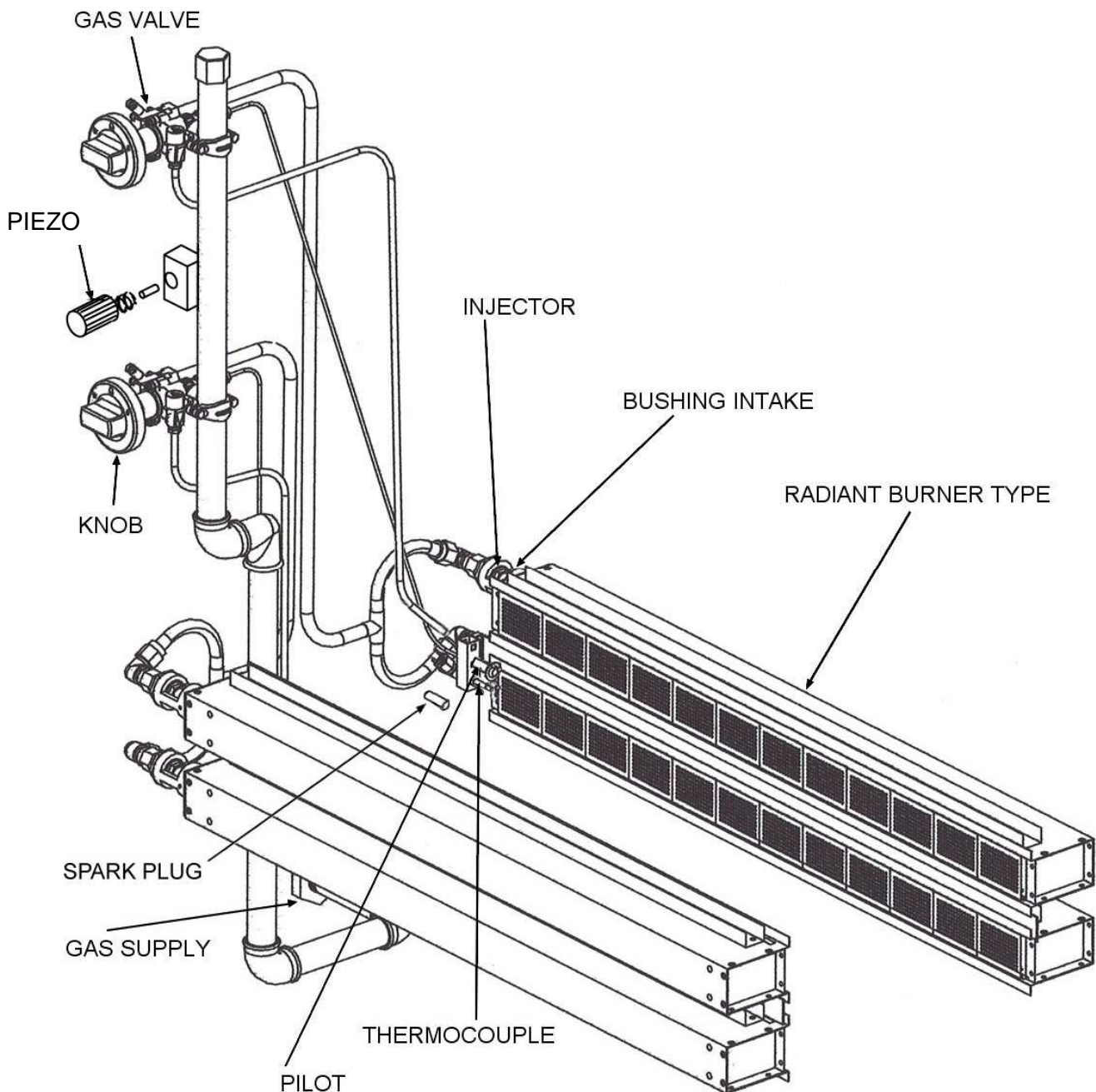
"Check that the adjustments correspond to the nature and pressure of gas distributed in the installation".

To check the pressure of gas supply of the device simply connect a column manometer water on the tap pressure located next to the gas connection when burners are lit.

The gas pressure measured must be equaled to that indicated on the nameplate for the gas used.

Supply valves gas rôtisserie require no adjustment for extra service life.

2.2.1. GAS CIRCUIT DIAGRAM

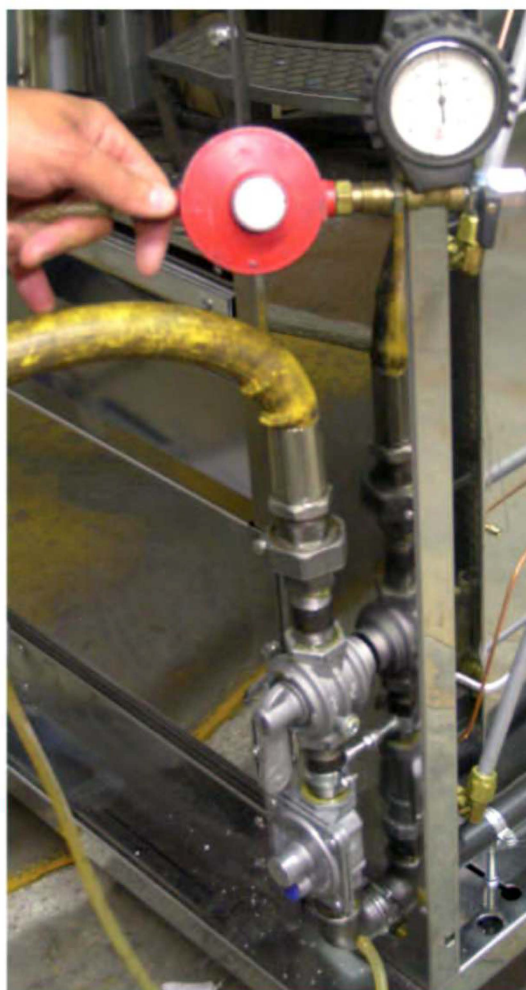
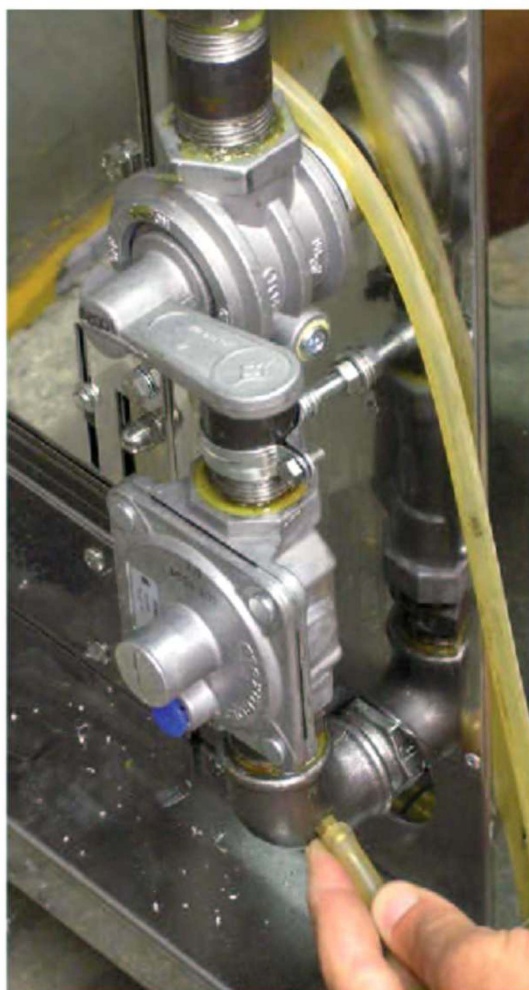


SETTING THE REGULATOR MAXITROL (USA)

This operation is to be performed during the first test run after connecting the device.



- Remove the screw closure of the pressure tap with a screwdriver.



- Connecting a pressure gauge to the pressure tap by means of a rubber hose.
- Open the gas valve of the rotisserie.
- Light the burners of the rotisserie.



- Remove the screw of protection of regulator setting with a screwdriver.



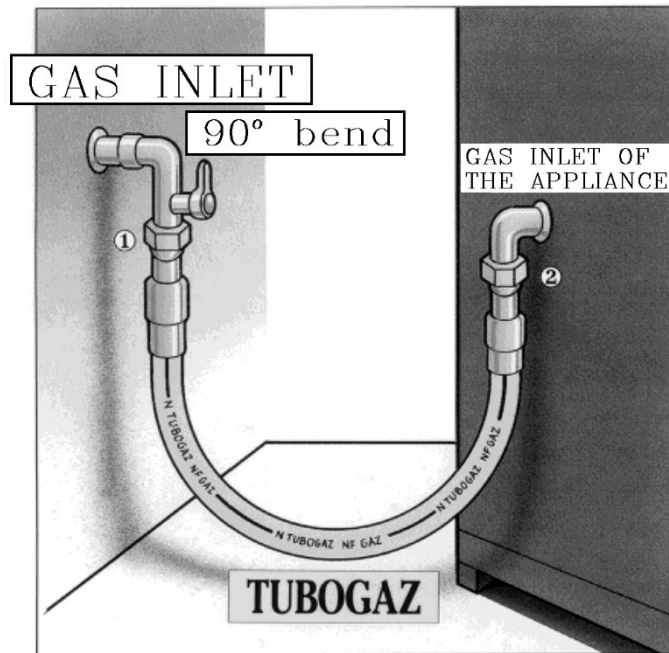
- Turn the adjustment screw with a screwdriver so that the pressure gauge reading corresponds to the pressure applied.



- Replace the screw of protection of regulator setting.
- Turn off the burners.
- Close the gas valve of the rotisserie.
- Remove the connecting tube the pressure gauge.
- Replace the screw closure of the pressure tap.

2.2.4. FIXED INSTALATION – MOBILE INSTALATION

FIXED



Connection type union 1 or 2

The use of **TURBOGAZ** or **similar** in professional fixed instalations, will permit a total liberty in the conception of the kitchen.

MOBILE

The conception of a kitchen with mobile gas appliance is possible thanks to a tandem of TURBOGAZ – TUSHGAZ or SIMILAR.

FLEXIBLE PIPING IN THE SHAPE OF U

Measure of the gas flow under 20 mbar in kW/h PCI(natural gas)

	Ø1/2" R* = 90 mm		Ø 3/4" R* = 110 mm		Ø1" R* = 130 mm	
	Without PUSHGAZ	With PUSHGAZ	Without PUSHGAZ	With PUSHGAZ	Without PUSHGAZ	With PUSHGAZ
0,50 m	25,3	21,5	93,6	80,6	186,2	129,4
0,75 m	21,6	19,0	81,7	69,4	160,9	120,3
1,00 m	19,4	17,5	76,8	67,9	144,9	116,4
1,25 m	18,2	16,5	71,0	64,0	131,8	106,4
1,50 m	17,0	15,7	66,5	60,2	120,3	98,8
2,00 m	14,2	13,2	58,8	54,9	107,2	93,0

*R = minimum bend radius of hose

These flow are given for conditions of reference, note

: Temperature 15°C

: Atmospheric pressure : 1013 mbar

: Dry air

All this information are the property of Rotisol.

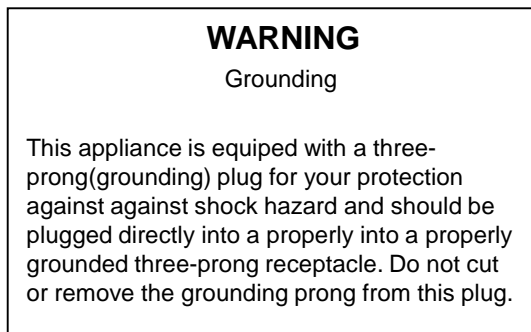
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2.3. ELECTRICAL CONNECTION

Verify that there no errors of **CONNECTION** .

- Power supply: 208-230V~60Hz.
- Check if the electric voltage of sector corresponds to the characteristics indicated on the nameplate affixed to the bottom left of the rotisserie.

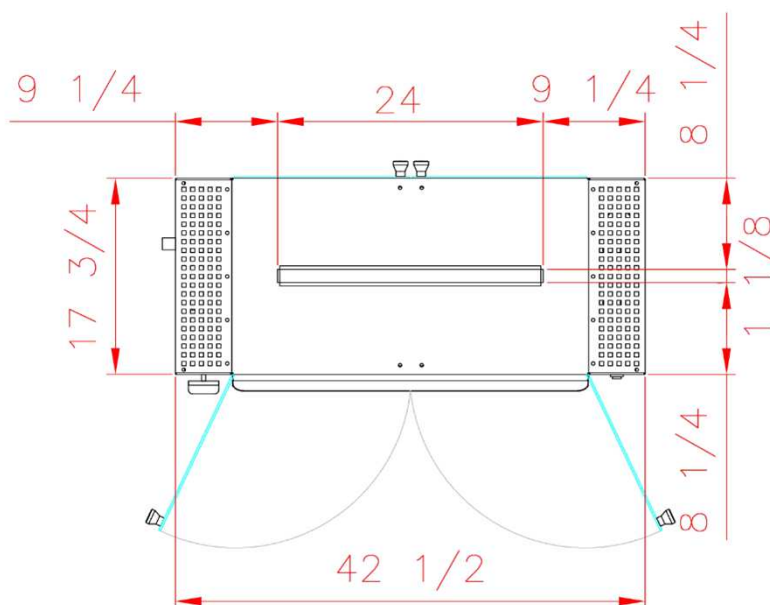
**IN ALL CASES, CONNECT THE EARTH WIRE.
THE UNIT IS SUPPLIED IN SINGLE PHASE + EARTH.**



2.4. SMOKE EVACUATION TYPE: A

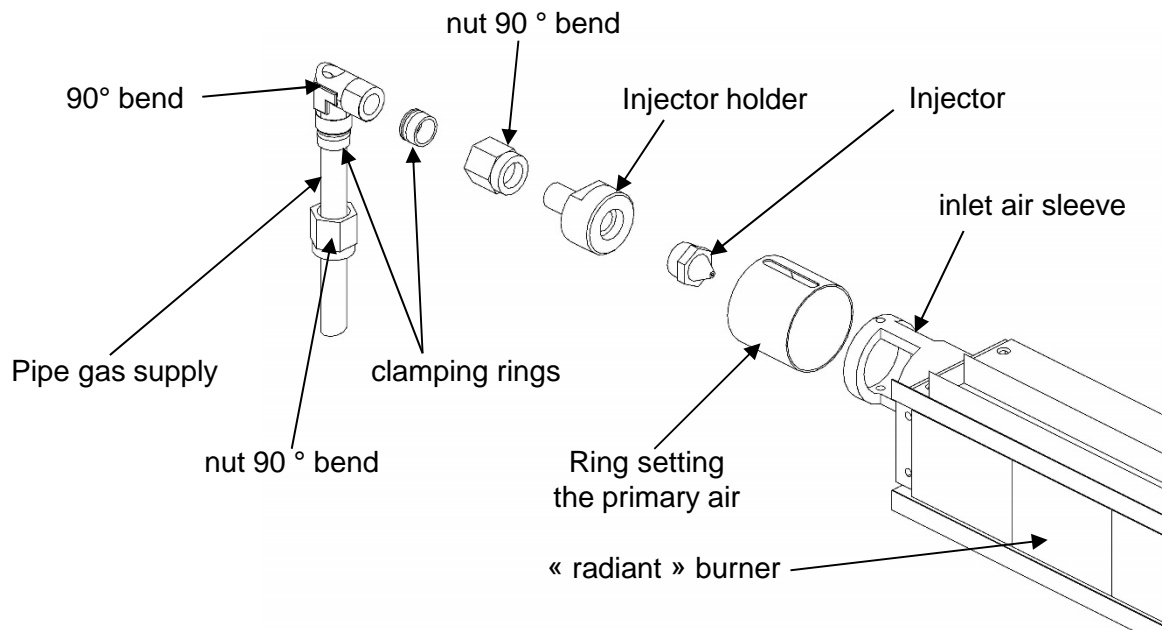
- The device is intended to be installed under a hood with ventilation.

VIEW TOP



3. INJECTOR.

3.1. CHANGE OF INJECTOR.



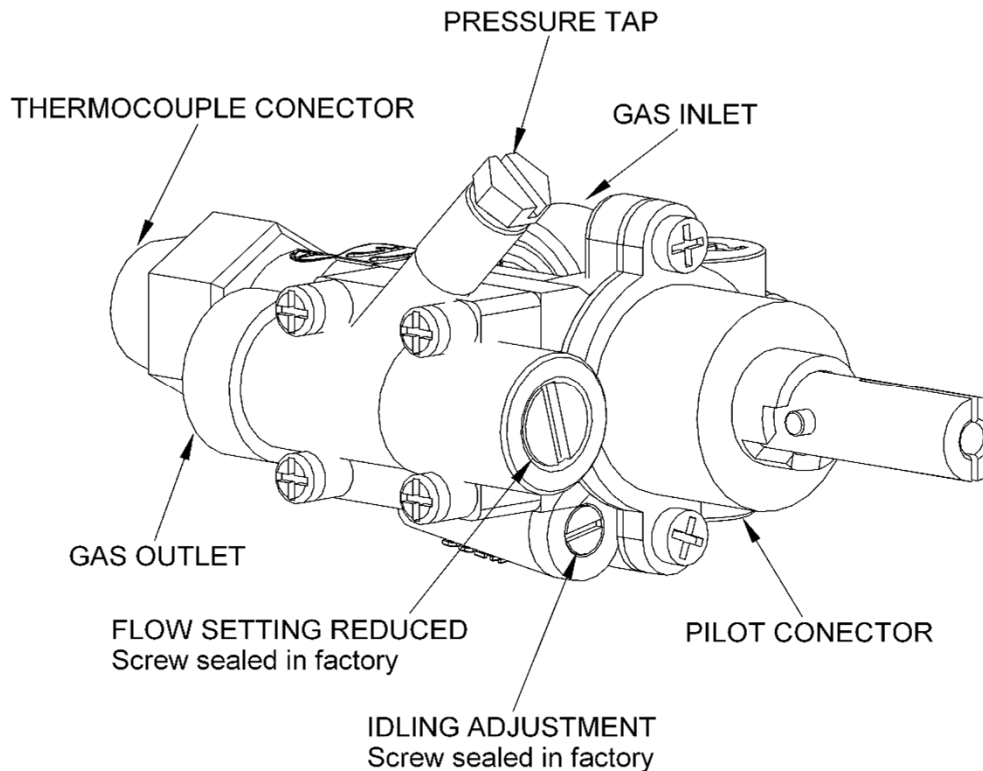
3.2. DISASSEMBLY OF THE INJECTOR

- _ Remove the left outer panel
- _ Loosen the nut 90 ° bend on the pipe gas supply
- _ Remove the ring setting the primary air
- _ Remove all, 90 ° bend , injector holder and injector, by unscrewing completely this all
- _ Unscrew and remove the injector with a key

3.3. MOUNTING OF THE INJECTOR

- _ Screw thoroughly the injector (without straining) on the injector holder with a key
- _ mount all, 90 ° bend , injector holder
- _ Set the position of the ring of the primary air
- _ Tighten the nut 90 ° bend on the pipe gas supply
- _ Make a complete test of leak of the gas circuit
- _ Remit the outer panel

3.4. FLOW SETTING REDUCED AND IDLING ADJUSTMENT



3.4.1. FLOW SETTING REDUCED

Connect a pressure gauge on the pressure tap and adjust the required pressure using the adjustment screw of flow reduced:

SEALING THE SETTING

3.4.2. IDLING ADJUSTMENT

Put the knob of the gas valve on position "minimum"
 Connect a pressure gauge on the pressure tap and adjust the required pressure using the adjustment screw of idling:

SEALING THE SETTING

3.5. TABLE SETTING OF A BURNER

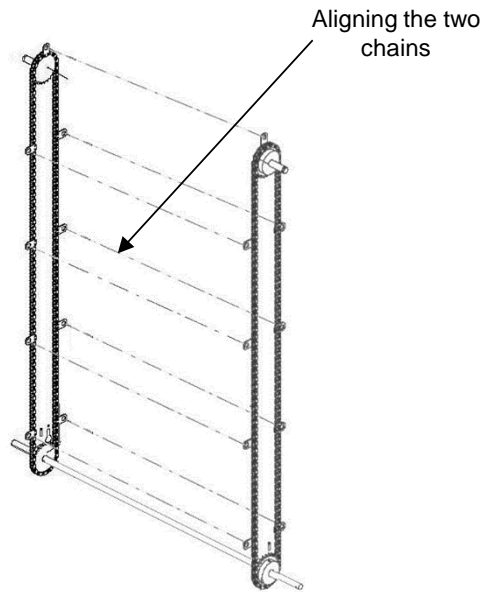
CARACTERISTIC	G20 under 20 mbar	G25 under 25 mbar	G31 under 37 mbar
Heat output in btu/h	10240	10240	10240
Injector identification	150	150	110
Injector diameter in mm / inch	1,50 / 0,06	1,50 / 0,06	1,10 / 0,05
Volume flow rate in ft ³ /h	9,94	9,94	-
Mass flow in Lbs/h	-	-	0,64

3.6. LABEL SETTING

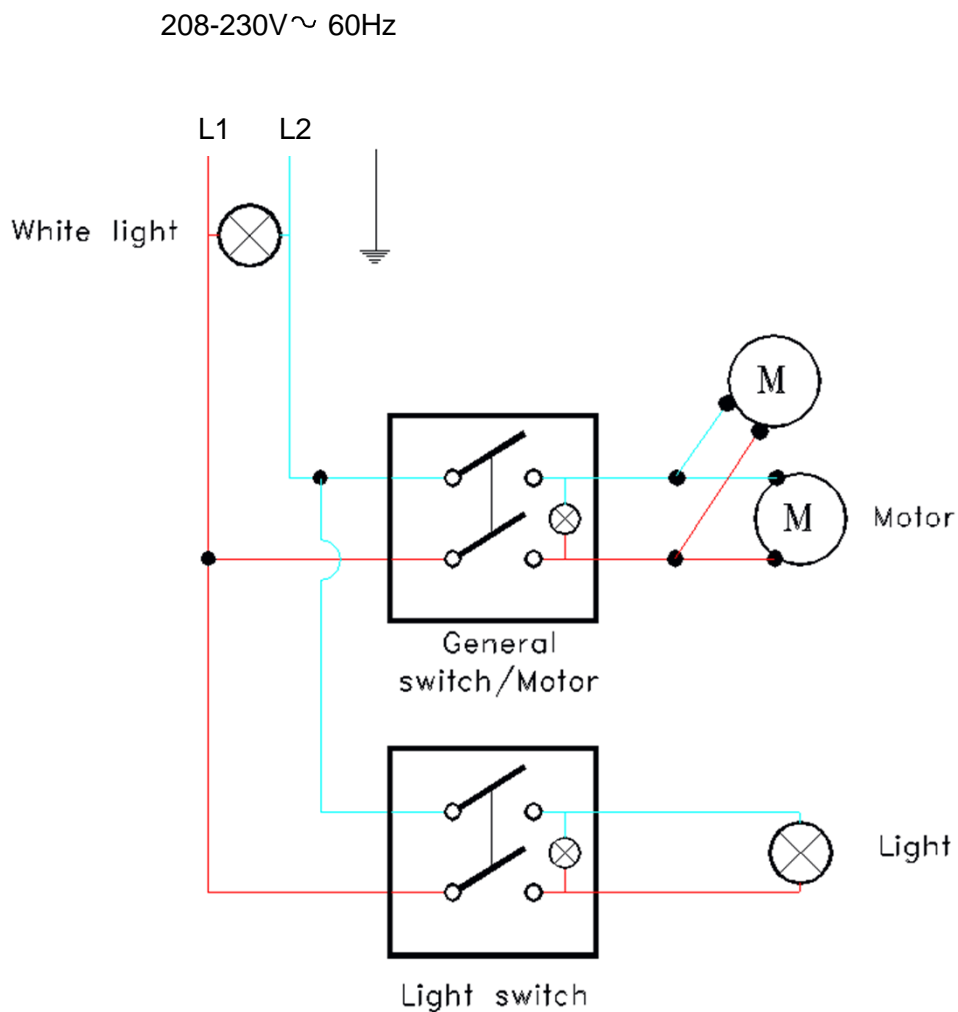
The label indicating the setting of gas to the appliance must be attached to it (see mandatory marking, chapter 1.3).
 In case of change of gas, the new label is provided with the new injectors.

3.7. CHANGE OF CHAINS

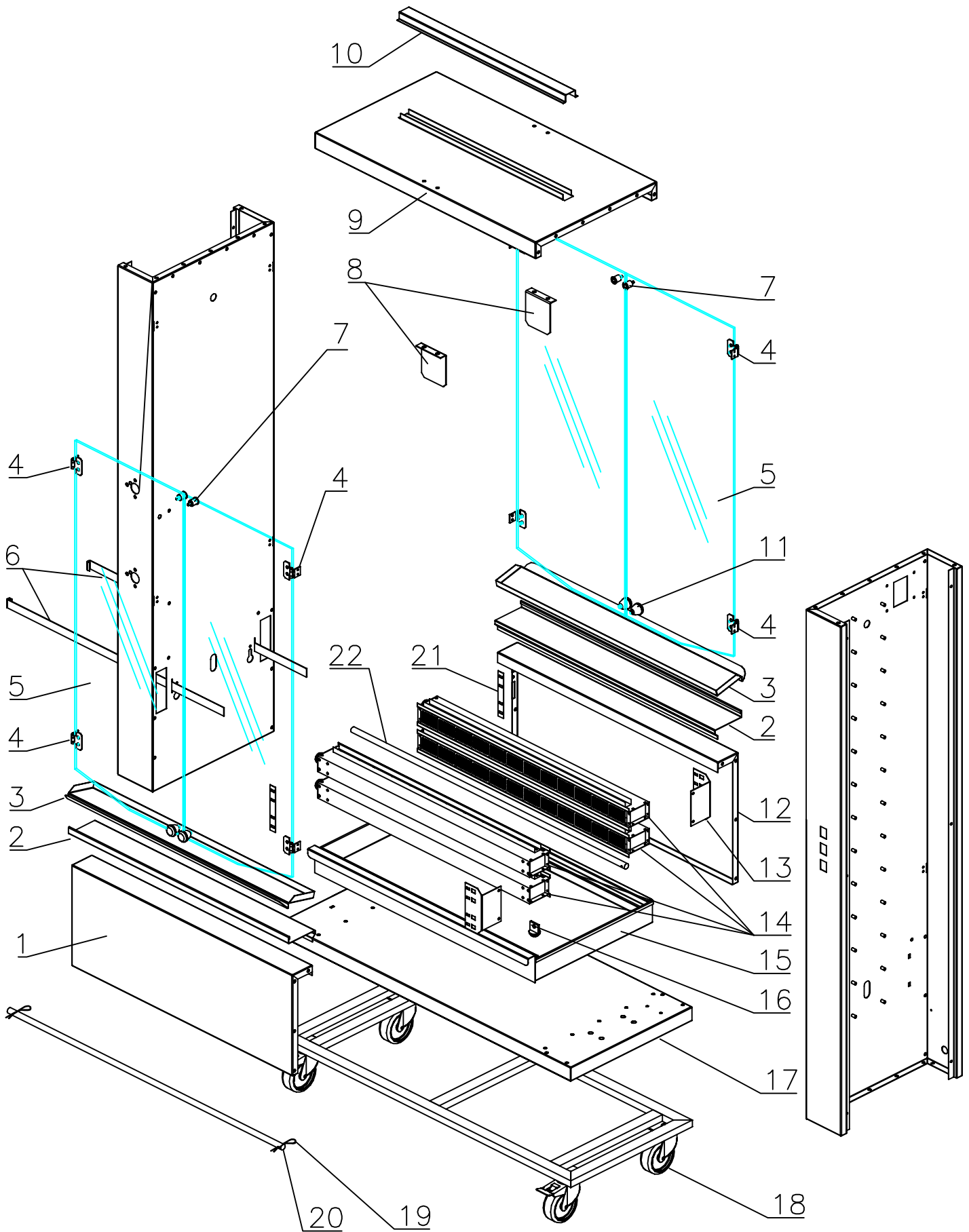
When changing the chains, check that the 9 studs are aligned with the 2 chains.



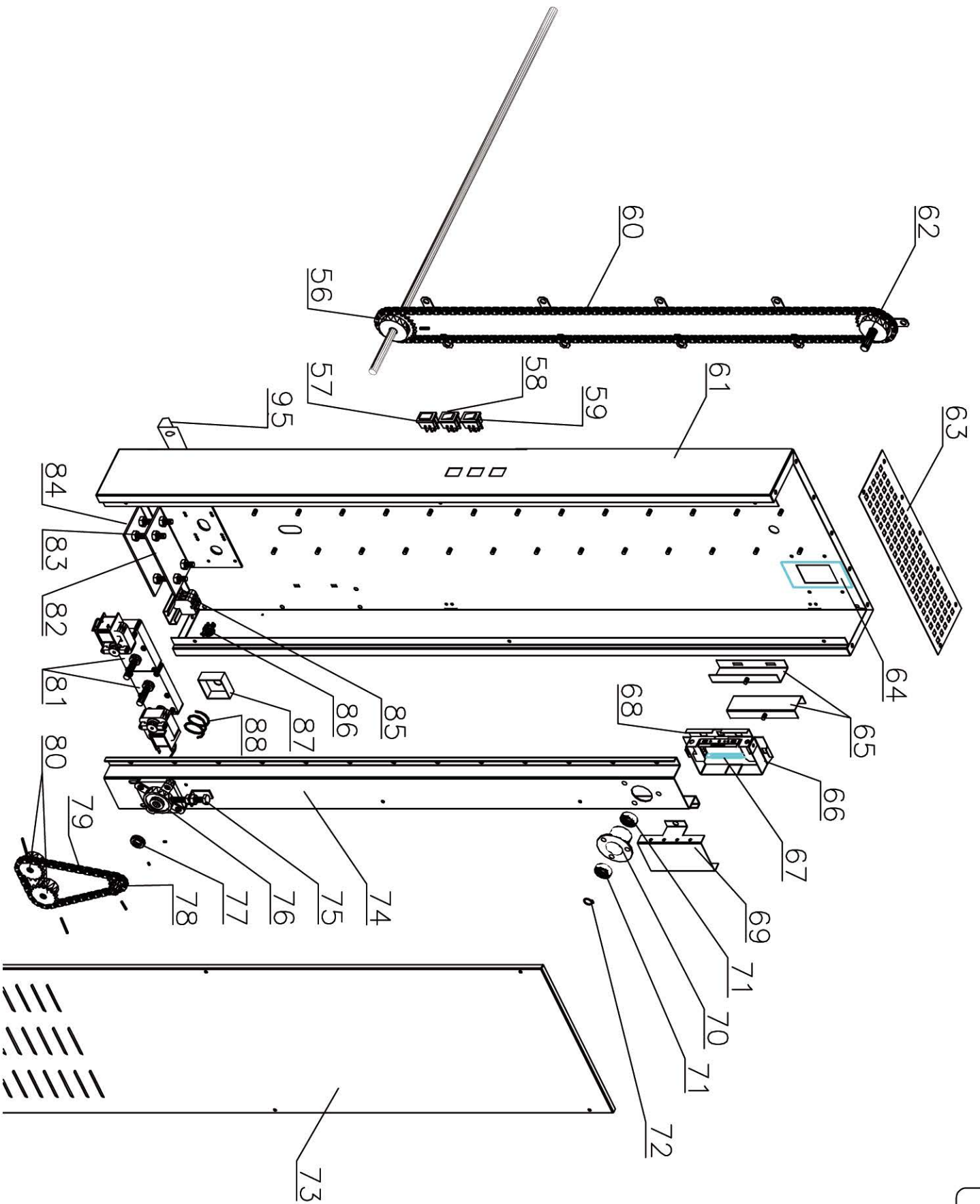
4. ELECTRICAL DIAGRAM

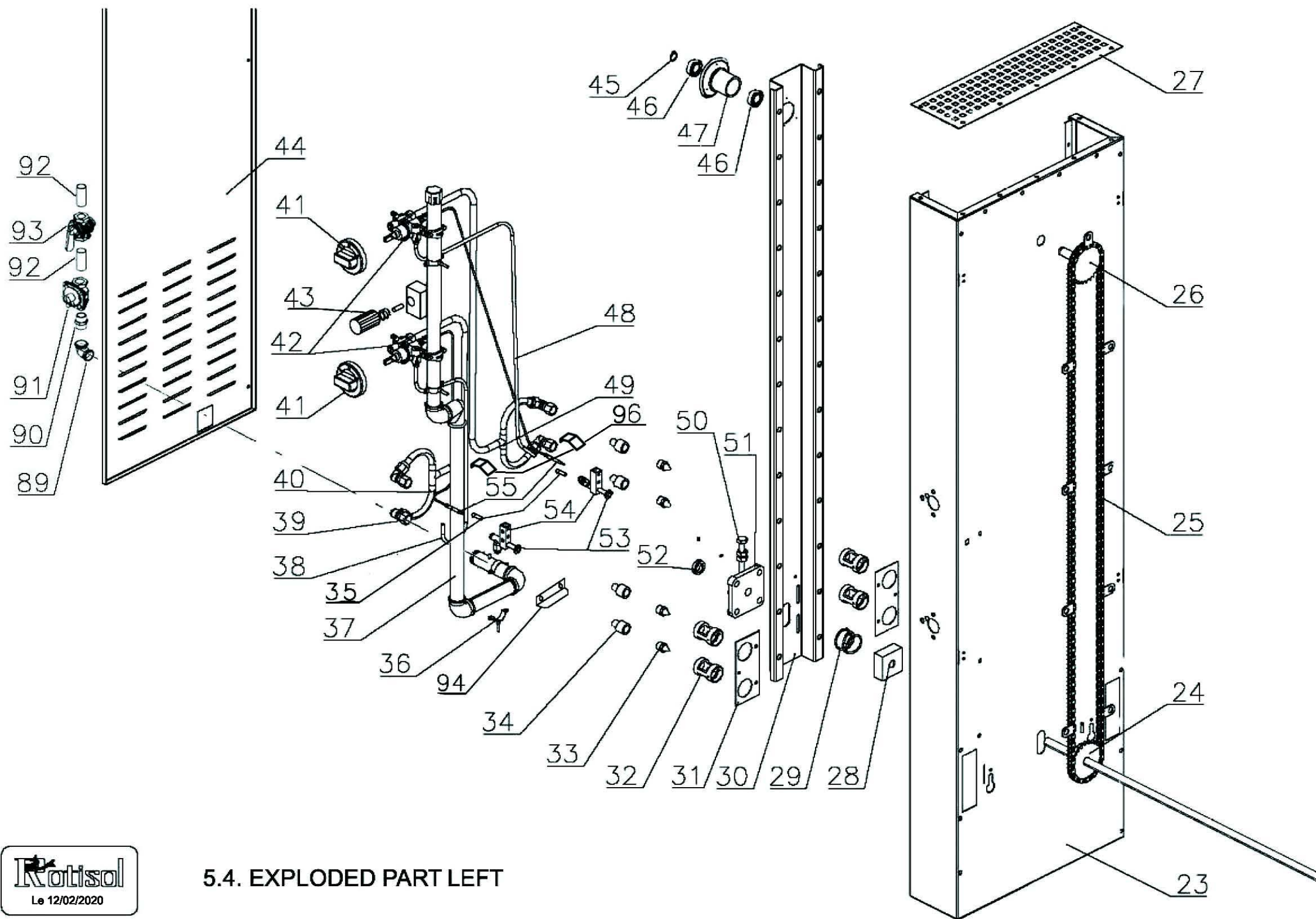


5.2. EXPLODED CENTRAL PART



5.3. EXPLODED PART RIGHT





5.4. EXPLODED PART LEFT

NOMENCLATURE OF BRASILIA ROTISSORIE



CENTRAL PART	Reference	PART LEFT	Reference	PART RIGHT	Reference
1: Span front	11G9CR05	23: Left upright	11G9CR02	56: Spocket chain spit down	PI26
2: Déflector span	11G9CR18	24: Pinion bottom left spit	PI26	right	
3: Parables spans	11G9CR19	chain		57: White light	VOYBC
4: window hinges	CHA280, AXE1702	25: Spit chain	CHAIBRASILIA0419	58: Switch motors	INTV2
5: windows	GL162	26: Pinion top left chain spits	PI26	59: Light switch	INTO2
6: Parables radiant	11G9CR20			60: Spit chain	CHAIBRASILIA0419
7: Magnets	AIMANT	27: Top left amount	11G9CR12	61: Right upright	11G9CR03
8: Blockages magnets	11G9CR10	28: Déflector spit chain	11G9CR29	62: Gable top right spit chain	PI26
9: Cap	11G9CR04	greasing			
10: Trap cap	11G9CR11	29: Spit axis chain grease		63: Top right amount	11G9CR12
11: Handle	POI1651B	baffle spring		64: Glass halogen lamp	PLAVERRE
12: Rear span	11G9CR06	30: Stiffener amount left	11G9CR07	65: Supports all lamp	11G9CR13
13: Supports radiant right	11G9CR08	31: Venturi guide	11G9CR15	66: Supports rear lamp	RB6ELE71
14: Burners type "radiant"	R785	32: Air intake sleeves		67: Halogen lamp	LAHAL
15: Tray juice with nut welded	11G9CR16,11G9CR17	33: Injectors	INJ	68: Support front lamp	RB6ELE71
drain plug		34: Supports injector		69: halogen lamp protection	11G9CR14
16: Drain plug with gasket	BV284	35: spark plug	BOUGIE620	70: Bearing support ring	SUPROUL0101LONG
		36: Collars gas ramp	COL26	71: Ball Bearing	
17: Table	11G9CR01	37: Gas ramp	RAMGF5BR	72: Bearing circlips	
18: Caster base	ROUL100, ROU100	38: Tube burner gas front	TUBE46	73: Right panel outside	11G9CR22
19: Pin	GOUBETA	39: 90 Elbow with nut	RLC12SM	74: Stiffener right amount	11G9CR07
20: Basket opening support	SUPPORTOUPANIERA	40: Tubes gas burners front	TUBE1012	75: Bolt spit chain tensioner	VTHM1070, EHM10
21: Supports radiant left	11G9CR09	41: Knob gas valve	MANS22		
22: Spit chain axis		42: gas valves	ROBS22	76: Spit chain bearing axis	FUCF203
		43: Piezzo button	PIEZZO620	77: Ring bearing spit chain	axis
		44: Left panel outside	11G9CR21	78: Sprocket chain spit axis	PI11
		45: Bearing circlip		79: Motor chain	CH9525
		46: Ball bearing		80: Engine pinion	PI18
		47: Bearing support ring	SUPROUL0101LONG	81: Engine	MOTBAL2
		48: Tube burner gas rear	TUBE46	82: Engine support	RB314B
		49: Rear burner gas tubes	TUBE1012	83: Engine support bolts	VTHM1070, EHM10
		50: Bolt spit chain tensioner	VTHM1070, EHM10	84: Plate under engine support	RB1314B
		51: Bearing axis chain spit	FUCF203		
		52: Ring bearing spit chain axis		85: Terminal block	BORNECO, 11G9CR25
		53: Pilot lights	V1092A	86: Cable gland	PRETH03302M
		54: pilot Supports /		87: Déflector spit axis chain	11G9CR29
		thermocouple		grease	
		55: Thermocouples	THER600, THER850TL	88: Spit axis chain grease	
		89: 90 ° BEND BLACK CASTING		grease baffle spring	
		90: Nipple M/M 20x27		95: Right deflector	DINTBRA010
		91: Maxitrol (natural gas)	MAXI		
		Maxitrol (propane gas)	MAXIPROP		
		92: Nipple type 530 1/2			
		93: Valve on/off (usa)	ROBONOFF		
		94: Left deflector	DINTBRA010		
		96: Pilot guard	PRTCVEILBRA010		