

02/2016

Mod: FSM-2V6E/N

Production code: RFE 20 C



Diamond
catering equipment

INSTRUCTIONS FOR USE AND INSTALLATION

FRYERS

RFE 16 C / RFE 20 C



Made in France

Mai 2015

RFE 16 C / RFE 20 C

Congratulations for the acquisition of this upmarket appliance made in France. You chose an appliance which alloys the best technical qualities with a big user-friendliness. We wish you the biggest contentment

1. SECURITY INSTRUCTIONS

Please respect these instructions scrupulously to avoid any risk of fire, electric shock, scald or other wounds and damage.

During the use of this appliance, fundamental circumspection of security must always be noticed, such as:

- Take into account the instructions to be systematically kept with the appliance.
- Install the appliance always in instructions respect. A 10 cm distance minimum with the partition or the wall is necessary.
- Protect the appliance from direct light of the sun, frost and humidity.
- Never leave the appliance within the reach of children or disabled persons without surveillance during or after use; the oil remains hot for a long time.
- Ensure that only trained personnel operate the appliance.
- Never move the appliance when it is working or still hot.
- Check that the appliance is definitely off before connecting it up or disconnecting it.
- Do not touch the hot surfaces of the appliance: always use handles and control knobs.

- Do not use the appliance for other functions than determined use.
- Do not leave the cord of electrical feeding in the contact of hot surfaces.
- The appliance should not be used close to combustible materials.
- Entrust compensations only to a skilled person.
- Use only spare parts of origin.
- To avoid any damage on the heating element, do not use solid fats.
- Never warm your machine up if the heating elements are not plunged into oil, you may cause a fire.
- Never plug in your deep fryer before having filled in the container with oil.
- The metal parts of the deep fryer become very hot during use.
- Never exceed the maximum capacity of your fryer which is of 4 kg for RFE 16 C and of 1.5kg per container for RFE 20 C.
- Never place the lid on the deep fryer while it is in use.
- Never put the control unit in water. Remove it before washing the rest of your deep fryer.
- After cleaning, ensure that all parts are completely dry before using the appliance.
- If the cord is harmed, it must be replaced by the producer, his after sale service or persons of similar skills to avoid any risk.
- Never leave your fryer working without any watching

- Do not plunge foods made with an important humidity, you risk a boiling over; the same for bigger foods.
- Use caution when removing the electrical module; the temperature sensors and the element may be very hot.
- Use only the control unit supplied with the machine.
- Watch out for steam during use.
- Whatever the fryer is cold or hot, the oil level has to be always between the minimum and maximum levels placed on the left and right sides of the container(maximum level “large line”, minimum level “small line”)
- The use of old oil may cause an important risk of strong boiling, of spatters or fire. It is recommended to change it as soon as it becomes brown.
- Never put water on some ardent oil, but cover the fryer with the lid.
- Always keep the lid near the fryer.
- Always unplug your deep fryer after use..

2. CONTENTS OF CARDBOARD PACKAGING

Device: a fryer

Accessories: - One pot
 - One basket with insulated handle (2 for RFE 20 C)
 - One colander
 - One lid + handle (2 for RFE 20 C)
 - The present note

See exploded views for at the end of the document

3. CONFORMITY OF USE

Use the device only to cook and fry some food.

4. WAY OF FUNCTIONING

These high power fryers enable you to increase your production of French fries per hour regarding to other models with normal power.

They are equipped with one stainless steel container (RFE 16 C) or two containers (RFE 20C), with a cold zone insuring a longer using of the oil. Indeed, the scraps are going to lay down the bottom of the container, where the oil temperature is at the minimum, and do not carbonize.

The setting of the temperature is made by the thermostat (s).

The model RFE 16 C is fitted with a commutator (4-8-12KWp enabling to select the heating power. The version RFE 20 C has two commutators for an independent control of the two containers.

To turn on your fryer and preheat the oil, set the commutator (n°2 on picture) on the desired heating power and the thermostat control knob (n°4 on picture) on the desired position. The orange pilot light (n°3 on picture) ignites until the desired temperature is reached.



1 On/off pilot light

2 Commutator

3 Thermostatic pilot light

4 Thermostat

5. FUNCTIONING / MANIPULATION

a) Installation / assembly:

- Unpack carefully the device of its packaging.

- Remove the protective film around the machine
- Screw up the handle on the lid.
- Place the fryer on a plane and heatproof surface.
- Never place the device near a wall or near a partition makes of combustible materials even if it is very well isolated.
- A distance of minimum 10 cm with the partition or the wall is necessary.
- Place the product to enable easy access to the plug
- Then place all the accessories
- Keep the lid near the fryer to enable you covering it after use or in case of fire.

b) First starting:

Before the first use, wash the machine and all accessories.

Connection of the device

- Check that the tension and the frequency of the electricity network suit to the values indicated on the descriptive plate.
- Check that neither the cord nor the plug are damaged.
- Make sure that every control knob is positioned on 0.
- Unwind completely the electric power cable and connect it in a plug connected with the earth.
- The device is connected.

The machines intended to be linked in a permanent way with the fixed pipes must be provided with a device of disconnection.

NB: in case of connection of the device in a plug without earth protection or directly on the electricity network, confide its connection to a qualified person.

c) Use of device :

Command and display	Function
Thermostat (n°4 on picture)	Temperature setting
Tripolar safety thermostat	Automatic stop in case of overheating
Microswitch	Automatic stop in case of improper positioning of the control unit
Commutator (n°2 on picture)	Selection of the power
Orange pilot light (n°3 on picture)	Oil is warming (pilot light on) Oil is hot (pilot light off)
Green pilot light (n°1 on picture)	Machine is on (pilot light on) Machine is off (pilot light off)

Putting on

- Make sure that the draining tap is closed.
- Insert the control unit into the slot being sure that it is pushed in all the way. The deep fryer will not function if the control unit is improperly inserted, the microswitch will prevent operation.
- Pour oil into the container when heating elements are cold. The oil level must be between the MIN and MAX marks.
- Turn on the commutator (n°2 on picture) on one of the position according to the desired power
- Turn the thermostat control knob (n°4 on picture) to the desired position.
- When the orange pilot light is off, your deep fryer is ready for cooking
- Fill the basket in and plunge it slowly into the oil.
- When cooking is finished, lift the basket and set it on its stand.

Safety thermostat

In case of overheating or lack of oil, your deep fryer will automatically stop. Unplug it and let it cool. Then check the oil level:

- 1) Oil level is too low: add some oil and reload the knob (n°2 on picture)**
- 2) Oil is too old: change it and reload the knob (n°2 on picture)**
- 3) Other cases: call your after sale service**



Stopping the appliance

- Set the thermostat control knob to zero
- Set the commutator to zero
- Unplug the appliance.
- Let the device cool.
- Clean the appliance (See 6.Cleaning)

d) Breakdown / repair:

In case of breakdown or of damaged part, please call your after-sales service and confide any technical operation to qualified person.

When you contact the after-sales service of your distributor or your store, give him the complete reference of your device (commercial name, type and serial number). This information appears on the visible descriptive plate behind the device.

6. CLEANING AND MAINTENANCE

- Let cool completely the device and the oil before any technical intervention or cleaning.
- Unplug the machine and remove the control unit before cleaning.
- For cleaning, only use non-abrasive products, clean regularly the external walls of your device with warm water and wash liquid: avoid the abrasive towelling. Rinse your device with a wet sponge.
- Caution : do not damage the heating element wires during cleaning
- Never clean the device under a water jet
- Never immerse the control unit in the water.

7. TECHNICAL SPECIFICATIONS

Model	RFE 16 C	RFE 20 C
Power	12 kW	12 kW
Outside dimensions	400 x 660 x 980 mm	400 x 660 x 980 mm
Volume	16 L	2 x 10 L
No element	3	2
Volatge	380-415 V 3 N ~	380-415 V 3 N ~
Ampere	17 A/ Phase	16 A/ Phase
Weight	34 Kg	38 Kg
Maximum charges (Kg)	4	2 x 1.5

The machine is delivered with a cord fitted with 5 wires

Wires colours correspondence

Phase 1	Brown
Phase 2	Black
Phase 3	Grey
Neutral	Blue
Earth	Yellow-Green

The equipotential connection marked by this symbol  must be linked with the equipotential conductive connection of your installation by means of a minimum conduction of a 2.5 mm² section.

8. NORMS AND LEGALS DISPOSALS

The device is conform to :

IEC/EN 60335-1

IEC/EN 60335-2-37

EN 55014-1 + 55014-2

EN 61000-3-2 + 61000-3-3

9. ELIMINATION OF THE ELECTRIC AND ELECTRONIC WASTE

The device respects the directives:

2002/96/CE (DEEE) N°34270064800021

2002/95CE (ROHS)

2006/95 CE

2004/108 CE



REACH RULE

Never put the device among household waste.

The device must be put down in a centre of recycling for the electric equipment.

The materials of the device are indeed reusable. By eliminating correctly the electric and electronic wastes, the recycling and quite other shape of re-use of worn equipment, you participate in a significant way in the environmental protection.

For any information about the collection of electric and electronic waste, please contact your distributor.

10. GUARANTEE

Conditions of guarantee

The guarantee applicable to any device is the commercial guarantee of the distributor or the retailer. Please contact the store where you bought your device to know the precise conditions.

The guarantee grants no right for damages.

The dispositions which follow are not exclusive of the profit of the legal guarantee planned by articles 1641 and following ones of the Civil code relative to the defects and the latent defects.

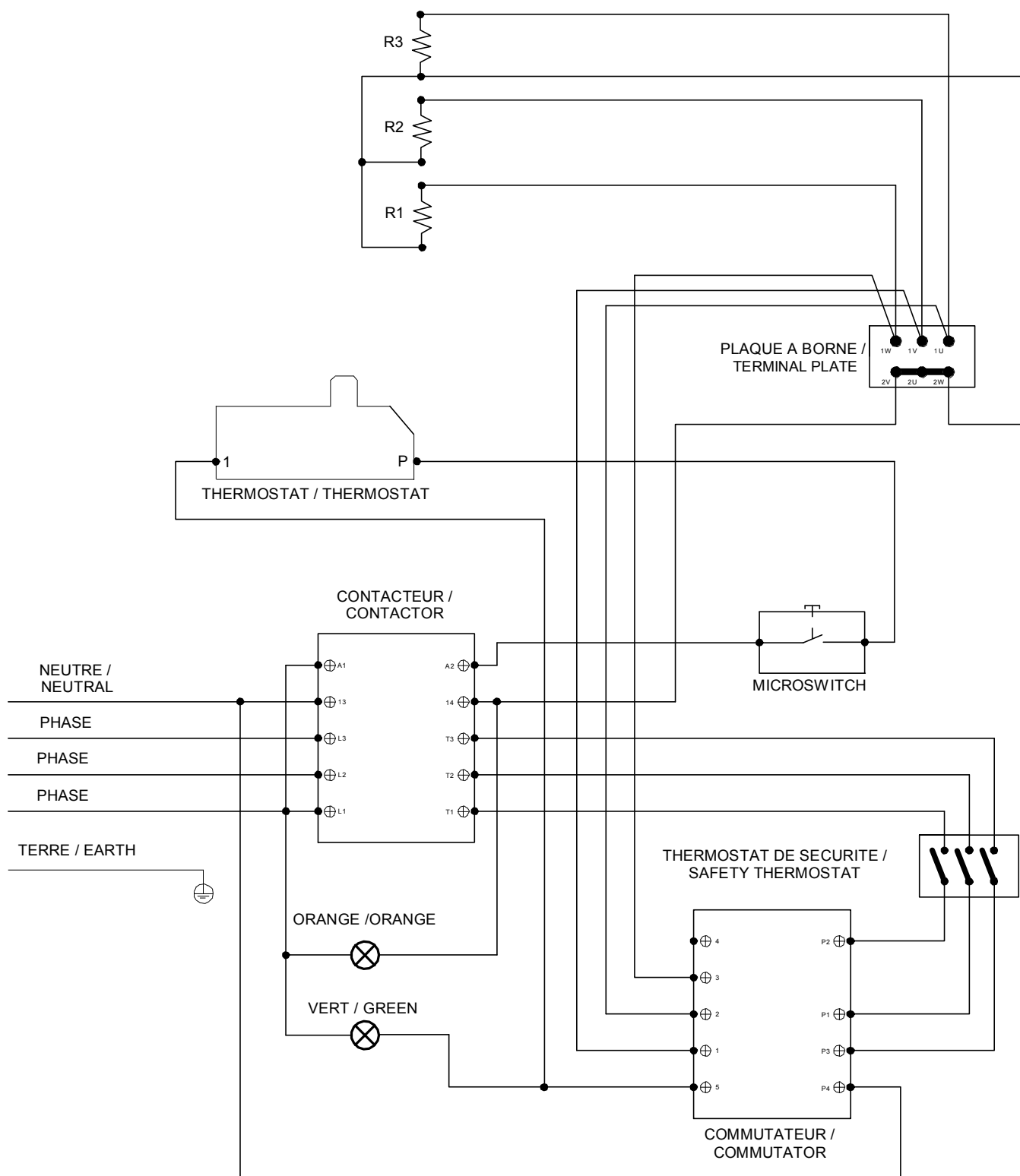
Exclusion clauses of the guarantee

Bad installation and bad maintenance, in particular if they do not respect current regulations or instructions appearing in this user guide.

Cannot benefit from the guarantee the repairs required as a result of false operations, of inappropriate use, of carelessness or of excess loads of the device, as well as those resulting from variations of the power supply, over tension or from defective installations.

The damage due to shocks, bad weather is not flatware by the guarantee. The material travels at the risks of the user; in case of delivery by carrier, the consignee has to have reservations towards the carrier before any delivery of the device.

The guarantee comes to an end in case of intervention, of repair, of modification by no qualified persons, or of use in inappropriate purposes.



Câblage : **C02398**

FRITEUSE RFE 16 C

Schéma électrique

DT18

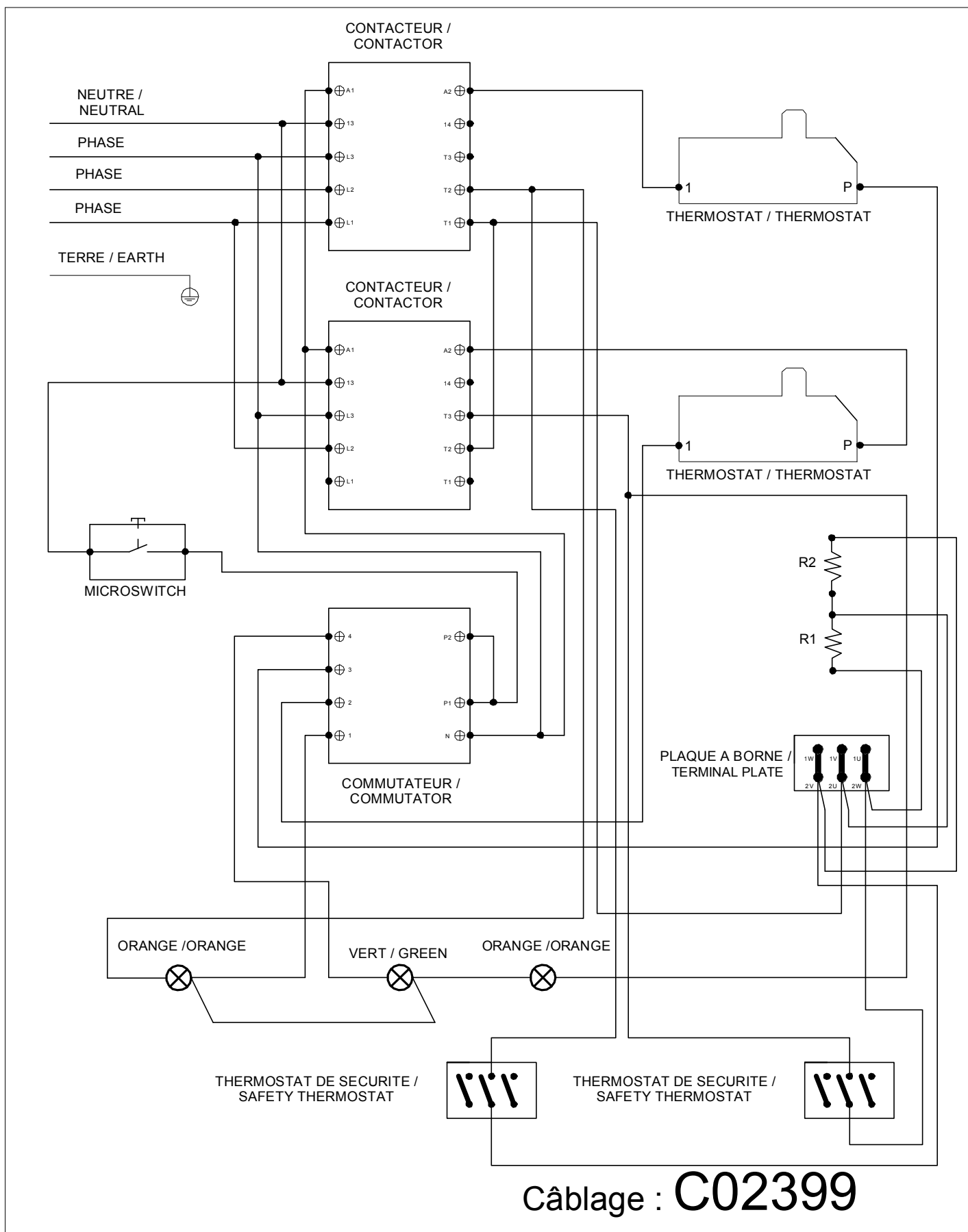
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Dessiné par :
C.Gu

Approuvé par :
S.Grenon

Date :
25/06/2014

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DT19	Date : 27/06/2014	Dessiné par : C.Gu	Approuvé par : S.Grenon	Date : 27/06/2014	Indice B

CODE	QTE	PIECE	SPARE PART
07180	1	SUPPORT RELAIS	SWITCH HOLDER
50034	1	BANDEAU AVANT RFE 16 C/RFE 20 C	FRONT CONTROL PANEL RFE 16 C/RFE 20 C
50035SE	1	BOITIER RESISTANCES RFE 16 C	CONTROL BOX HEATING ELEMENT RFE 16 C
50036	1	ARRIERE BOITIER RFE 16 C/RFE 20 C	BACK CONTROL PACK CASING RFE 16 C/RFE 20 C
50037SE	1	S/E SOCLE RFE 16 C + AXE	BASE AND AXLE
50038	1	PROTECTION COMPOSANTS RFE 16 C	COMPONENTS PROTECTION RFE 16 C
50039	1	SUPPORT COMPOSANTS RFE 16 C	COMPONENTS HOLDER RFE 16 C
50041	1	GOUTTIERE CABLES RFE 16 C	GUTTER CABLES RFE 16 C
50042	1	ARRIERE RFE 16 C	REAR RFE 16 C
50043	1	COTE DROIT RFE 16 C	RIGHT SIDE RFE 16 C
50044	1	COTE GAUCHE RFE 16 C/RFE 20 C	LEFT SIDE RFE 16 C/RFE 20 C
50045	1	CONTRE PORTE RFE 16 C/RFE 20 C	INNER DOODR RFE 16 C/RFE 20 C
50046SE	1	CUVE FRITEUSE RFE 16 C	TANK ASSEMBLY RFE 16 C
50047	1	PORTE RFE 16 C/RFE 20 C	DOOR RFE 16 C/RFE 20 C
50049SE	1	CACHE BULBE THERMOSTAT RFE 16 C	SENSOR THERMOSTAT COVER RFE 16 C
51044	1	SUPPORT MICROSWITCH	MICROSWITCH HOLDER
51045	1	COUVERCLE MF 160/RFE 16 C	LID MF 160/RFE 16 C
51046	2	BRIDE RESISTANCE MF 160/RFE 12/RFE 16 C	HEATING ELEMENT HOLDER MF 160/RFE 12/RFE 16 C
51046SE	2	BRIDE RESISTANCE SERTIE RFE 12	HEATING ELEMENT HOLDER ASSEMBLY RFE 12
A01002	1	COMMUTATEUR RF14	COMMUTATOR RF14
A05006	1	CONTACTEUR PUISSANCE TRIPOLAIRE RBE25/RF14	CONTACTOR 3 PHASE RBE25/RF14
A05012	1	MODULE DE PROTECTION RFM 160/RFE 16 C	MODULE PROTECTION RFM 160/RFE 16 C
A06012	1	THERMOSTAT SECURITE	SAFETY THERMOSTAT RF 12 SP
A06056	1	THERMOSTAT REGULATION FRITEUSE	PROBE THERMOSTAT FRYER
A07017	1	MICROSWITCH 16 A/250V, T125	MICROSWITCH 16 A/250V, T125
A08003	1	VOYANT ORANGE DIAM 12	ORANGE PILOT LIGHT DIAM 12
A08009	1	VOYANT VERT DIAM 12	GREEN PILOT LIGHT DIAM 12
A10017	2	PRESSE ETOUPE	SEAL
A10032	5	PRESSE ETOUPE	CORD CLOSER
A12002	3	PASSE FIL DA200, RF14, RG 8	CABLE SHOE DA200, RF14, RG8
A13019	4	PIED INOX RFE 16 C-RFE 20 C	STAINLESS STEEL FOOT RFE 16 C - RFE 20 C
A14078	2	BOUTON 12 H ELECT	KNOB 12 H FOR ELECTRIC
A15016	2	POIGNEE	HANDLE
A16010	1	PLAQUE A BORNE	TERMINAL PLATE
B06009	2	TETON + ECROU RST-RBE8/12	STUD + NUT RST RBE 8/12
B08005	1	ENTRETOISE RBE/RBG 4-8-12	SPACER RBE/RBG 4-8-12
B08007	2	ENTRETOISE RB-CS-RTS	SPACER
B09003	1	LOQUETEAU	MAGNET
B10017	1	VANNE 1/2 RFE 16 C/RFE 20 C	TAP RFE 16 C/RFE 20 C
B10018	1	COUDE 1/2 RFE 16 C	ELBOW 1/2 RFE 16 C
B10019	1	CONTRE ECROU 1/2 RFE 12/RFE 16 C/RFE 20 C	LOCK NUT 1/2 RFE 12/RFE 16/RFE 20 C
C01049	1	CABLE COMPLET RFE 16 C	CABLE ASSEMBLY RFE 16 C
C05018	1	BORNE EQUIPOTENTIEL	EQUIPOTENTIAL TERMINAL
D02178	3	RESISTANCE 4000 W 230V RFE 16 C	HEATING ELEMENT 4000 W RFE 16 C
F04028	1	PASSOIRE RF 14	SIEVE
F05084	1	SEAU INCOLORE 15 L RF 14	BUCKET 15 L RF 14
F05018	1	SEAU 15 L RF 14/25	BUCKET 15 L RF 14/25
G06P01058	1	CADRAN	FRONT PANEL
I06003	6	ECROU	NUT
TP0011_1	1	AXE DE PORTE	DOOR AXIS

FRITEUSE RFE 16 C

Nomenclature

DT18

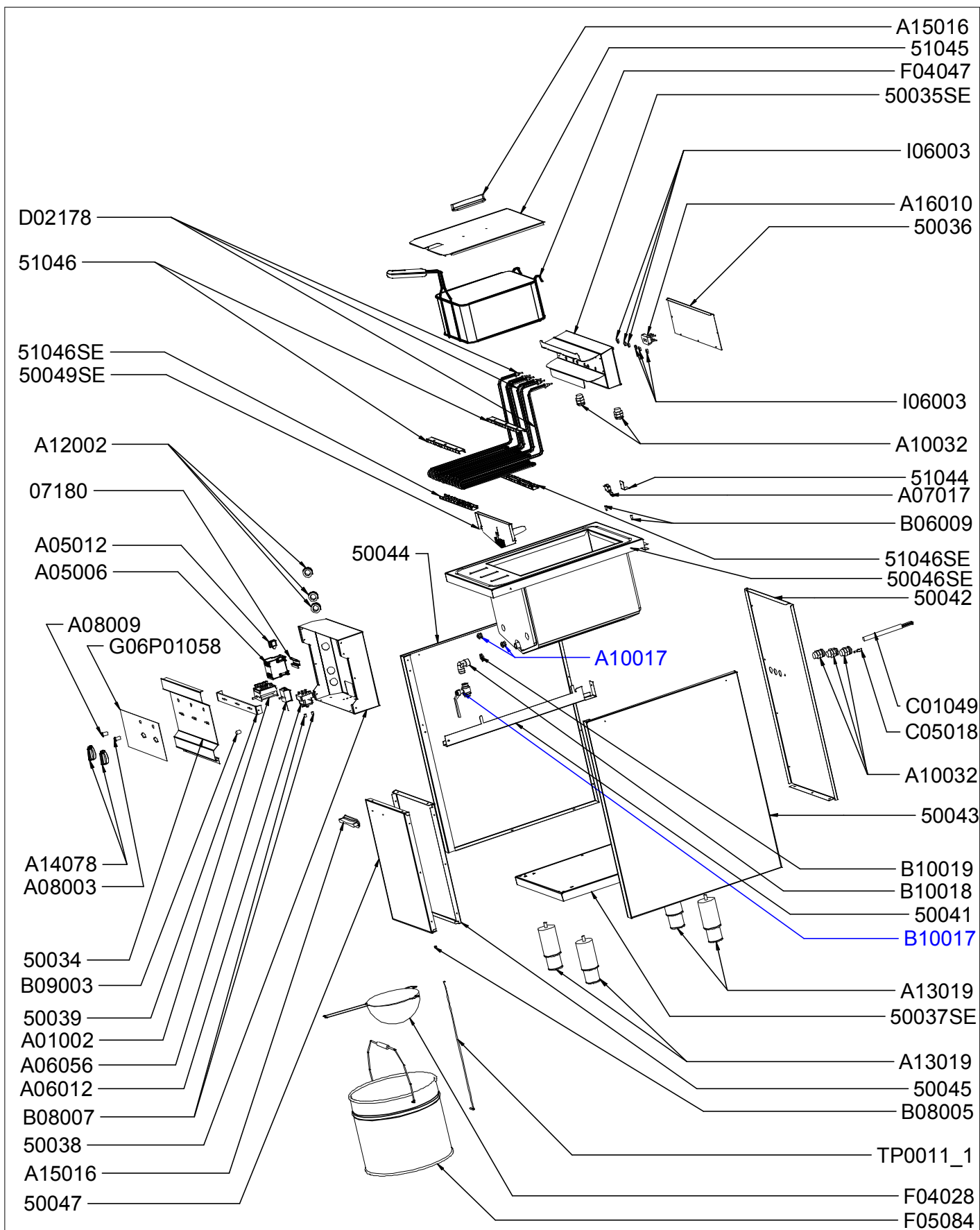
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50036	1	ARRIERE BOITIER RFE 16 C/RFE 20 C	BACK CONTROL PACK CASING RFE 16 C/RFE 20 C
50037	1	SOCLE RFE 16 C/RFE 20 C	BASE RFE 16 C/RFE 20 C
50038	1	PROTECTION COMPOSANTS RFE 16 C	COMPONENTS PROTECTION RFE 16 C
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50045	1	CONTRE PORTE RFE 16 C/RFE 20 C	INNER DOODR RFE 16 C/RFE 20 C
50047	1	PORTE RFE 16 C/RFE 20 C	DOOR RFE 16 C/RFE 20 C
50051SE	1	CUVE ASSEMBLEE RFE 20 C	TANK ASSEMBLY RFE 20C
50052	2	COUVERCLE RFE 20 C	LID RFE 20 C
50053	4	BRIDE RESISTANCE RFE 20 C	HEATING ELEMENT HOLDER RFE 20 C
50053SE	4	S/E BRIDE RESISTANCE SERTIE RFE 20 C	HEATING ELEMENT HOLDER ASSEMBLY RFE 20 C
50055SE	1	BOITIER RESISTANCES FRITEUSE RFE 20 C	CONTROL BOX HEATING ELEMENT RFE 20 C
50058SE	2	CACHE BULBE THERMOSTAT RFE 20 C	SENSOR THERMOSTAT RFE 20 C
51044	1	SUPPORT MICROSWITCH	MICROSWITCH HOLDER
A01001	1	COMMUTATEUR	COMMUTATOR
A05008	2	CONTACTEUR RF14/RBE25/FC110 20A	THREE-POLE SWITCH 20A
A05011	2	MODULE DE PROTECTION RFE 12	MODULE PROTECTION RFE 12
A06012	2	THERMOSTAT SECURITE	SAFETY THERMOSTAT RF 12 SP
A06056	2	THERMOSTAT REGULATION FRITEUSE	PROBE THERMOSTAT FRYER
A07017	1	MICROSWITCH 16 A/250V, T125	MICROSWITCH 16 A/250V, T125
A08003	2	VOYANT ORANGE DIAM 12	ORANGE PILOT LIGHT DIAM 12
A08009	1	VOYANT VERT DIAM 12	GREEN PILOT LIGHT DIAM 12
A10017	4	PRESSE ETOUPE	SEAL
A10032	5	PRESSE ETOUPE	CORD CLOSER
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B08007	4	ENTRETOISE RB-CS-RTS	SPACER
B09003	1	LOQUETEAU	MAGNET
B10017	2	VANNE 1/2 RFE 16 C/RFE 20 C	TAP RFE 16 C/RFE 20 C
B10019	2	CONTRE ECROU 1/2 RFE 12/RFE 16 C/RFE 20 C	LOCK NUT 1/2 RFE 12/RFE 16/RFE 20 C
C01050	1	CABLE COMPLET RFE 20 C	CABLE ASSEMBLY RFE 20 C
C05018	1	BORNE EQUIPOTENTIEL	EQUIPOTENTIAL TERMINAL
D02180	2	RESISTANCE 6000 W 400 V RFE 20 C	HEATING ELEMENT 6000 W 400 V RFE 20 C
F04028	1	PASSOIRE RF 14	SIEVE
F04046	2	PANIER RFE 20 C	BASKET RFE 20 C
F05084	1	SEAU INCOLORE 15 L RF 14	BUCKET 15 L RF 14
G06P01059	1	CADRAN	FRONT PANEL
I06003	4	ECROU	NUT
TP0011_1	1	AXE DE PORTE	DOOR AXIS

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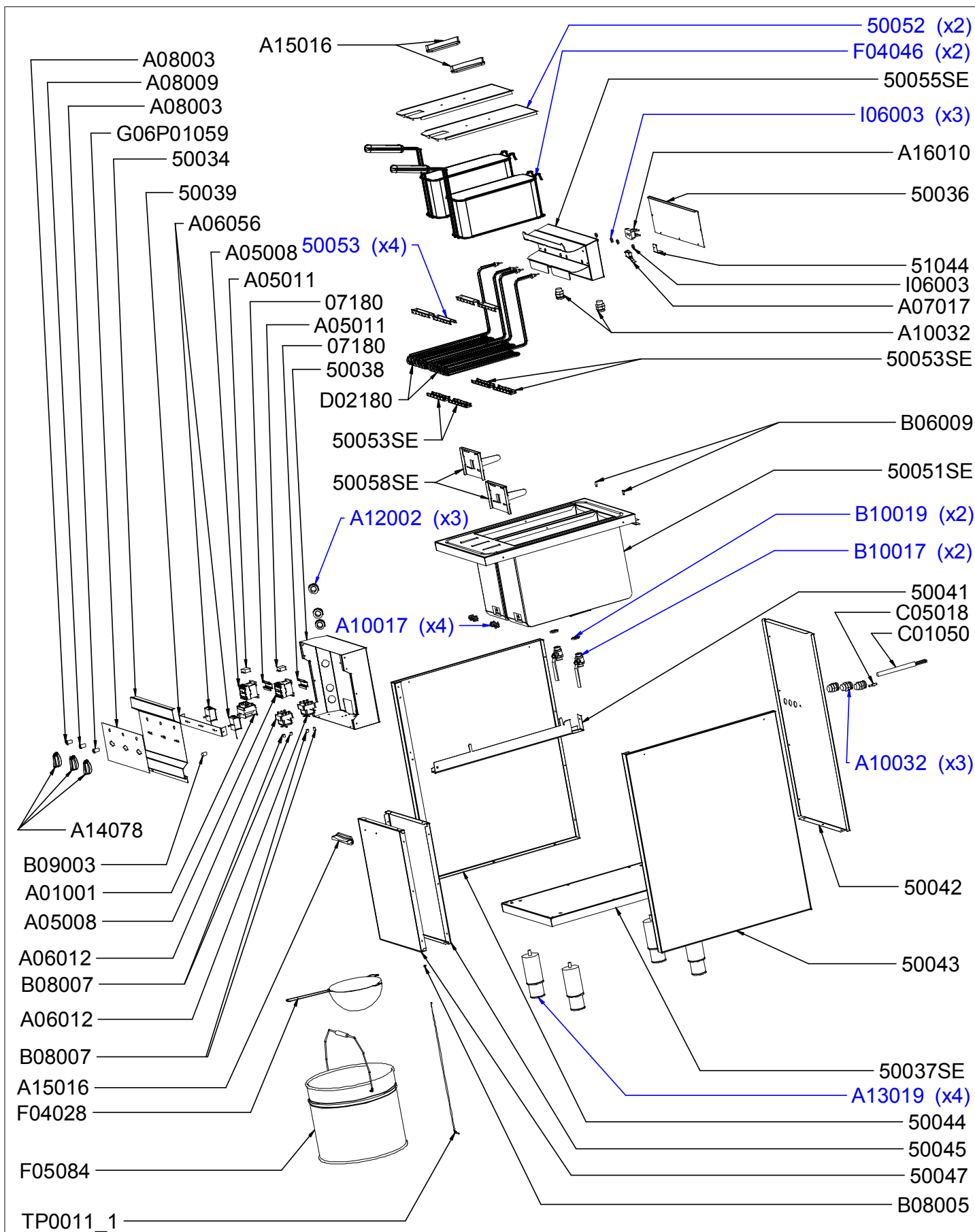
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