SERVICE INSTRUCTION

Conversion kit STGgas burnercontroller 9171079s

Part nr 9171079 type S4565BD1031

Part nr 9171150 type S4565BD4005

Contents of conversion kit 9171079s

9171150 1x Burner controller
9171152 1x Wiring loom on 12 pole connector
9170980 1x electric diagram STG7p USA
9170981 1x Wiring overview STG7p USA
9170888 1x Electric diagram STG7p EUR
9170957 1x Wiring overview STG7p EUR
9124371 1x This instruction

Preface.

The Burner controller S4565BD1031 became obsolete.
It can be replaced by the new controller S4565BD4005 , part number 91711150 together with a new wiring loom 9171152.
In case the Rotisserie allready has a S4565BD4005 mounted, then the below instruction will not be necessary. It can just be exchanged in this case.

Instruction.

1. Disconnect the 9171062 wiring loom from the burner controller.
2. Fully remove this wiring loom.
3. Exchange the S4565BD1031 with the new S4565BD4005 burner controller.
4. Mount the new 9171152 wiring loom.
5. The necessary connections are marked red on the corresponding (USA or EUR) wiring overview.
6. Remove the old diagrams from the Rotisserie and replace by the 2 corresponding drawings.

Push Button
Reset Burner
Lamp
Burner
FAIL
Ignition &
Ionisation Pen
Relay
Burner
Controller
Speed
Control
Rectifier
Temperature Sensors
Oven
Meat Probe
Grill
Control
Blower
Fan 2
Transformer
230V
2x12V
Blower
Fan 1
Spit
Drive Motor
Temperature
Limit Switch
Blower
Fan 3
Fuses 3A
Main Switch
U3
4005
9171150
U2
D1
K1
T1
T2
U1
M1
M2
M3
M4
M5
S1
S2
S3
F1
F2
1FASE 115V
9170980 USA
Circuit Diagram STG7P-Gas USA (4005)
Broeders
In Progress
20.01.2015
9170980
A3

WIRING DIAGRAM STG7P GAS USA (4005)
9170981 USA
HONEYWELL CONTROL GRILL
S 4565 BD 4005
ORANGE/WHITE
PURPLE/WHITE
BLUE
BROWN/WHITE
BLUE/WHITE
BLACK
BROWN/BLACK
WHITE
BROWN
3 Aamp 12V costumer side
3 Aamp 12V service side
TRANSFORMER
T1 230V/12V
T2 115V/230V
BROWN
WHITE(A)
WHITE
M1
M2
M3
M4
F1 3AMP
F2 3AMP
BLOWER GASVALVE
RESET SWITCH
WHITE
ORANGE/WHITE
BROWN/WHITE
THERMOSTAT
MAX. 3.20 GR.
mini-3p
PWM
SPEED CONTROL
CONNECTIONBLOCK TB 2
CAPACITOR
2.5mF
1.5mF
MAIN SWITCH
S1
RECTIFIER
K1
OMRON MY4N
PURPLE/WHITE
BLUE
CONNECTIONBLOCK TB 3
WIRE COLOR
BLACK = BK
BROWN = BN
RED = RD
ORANGE = OR
YELLOW = YE
GREEN = GN
PURPLE = PU
WHITE = WH
BLUE = BU
SPARE
AFGAS
MOTOR
HEAT
LO
HI
ground
pt-element
probe
description
revision
revision date
description revision
for product:
material
thickness:
treatment:
checked:
revision:
tolerance class:
revision date
scale:
status:
date:
drawing number:
size:
drawn by:
Oude Kerkstraat 2
4870 AA Etten-Leur
Postbus 550
4870 AN Etten-Leur
tel: +31 0)76-5085400
fax: +31 0)76-5085444
1:1
20.01.2015
A3
Broeders
9170981

Main Switch
Fuse 10A
Grill Control
Temperature Sensors Oven Meat Probe
Lamp Burner FAIL
Push Button Reset Burner
Temperature Limit Switch
Blower Fan 3
Spit Drive Motor
Blower Fan 1
Blower Fan 2
Fuses 6,3 A (2x)
Rectifier
Speed Control
Burner Control
Relais
Ignition Pen & Ionisation Pen
Transformer 230V 2x12V
1 FASE 230V
4005 9171150
9170888 EUR
revision: 7
revision date: 29.06.2012
description revision: Connection Block
revision: 6
revision date: 07.12.2011
Changed connection Burner
description: Circuit Diagram
for product: STG
STG-7
material:
thickness:
treatment:
tolerances:
checked:
revision: 7
revision date: 29.06.2012
scale: 1:1
status: -
date: 15.10.2008
size: A3
drawn by: Koolen
drawing number: 9170888
Oude Kerkstraat 2
4878 AA Etten-Leur
Postbus 560
4870 AN Etten-Leur
tel: +31 0076-5085400
fax: +31 0076-5085444

9170957 EUR
Wiring Diagram STG (Control 4005)
Molex connector wiring
Gas
STG
11.09.2012
09.01.2012
9170957
Koolen
A3
Oude Kerkstraat 2
4878 AA Etten-Leur
Postbus 560
4870 AN Etten-Leur
tel: +31 0076-5085400
fax: +31 0076-5085444
HONEYWELL CONTROLGRILL
S-4566 BO 4005
ORANGE/WHITE
PURPLE/WHITE
BLUE
BROWN/WHITE
BLUE/WHITE
BLACK
BROWN/BLACK
WHITE
BROWN
3xlamp 12V
costumer side
RESET SWITCH
WHITE
ORANGE/WHITE
BROWN/WHITE
BLOWER GASVALVE
PWM
TRANSFORMER
230V/12V
TB 4
GREY
RED
BLUE
YELLOW
WHITE
SPARE
AFGAS
MOTOR
HEAT
LO
HI
GROUND
WIRE COLOR
BLACK
BROWN
RED
ORANGE
YELLOW
GREEN
PURPLE
WHITE
BLUE
Meatprobe
pt-element
M1
M2
M3
M4
F1
F2
F3
10 A
6,3A
TH.max. 320 GR.
MINI-3p
PWM
SPEED CONTROL
C1
C2
C3
1,5mF
3 mF
TB 2
MAIN SWITCH
S1
TB3
OMRON MY4N
K1
PURPLE/WHITE
BLUE
rectifier
TB 1
L1
N