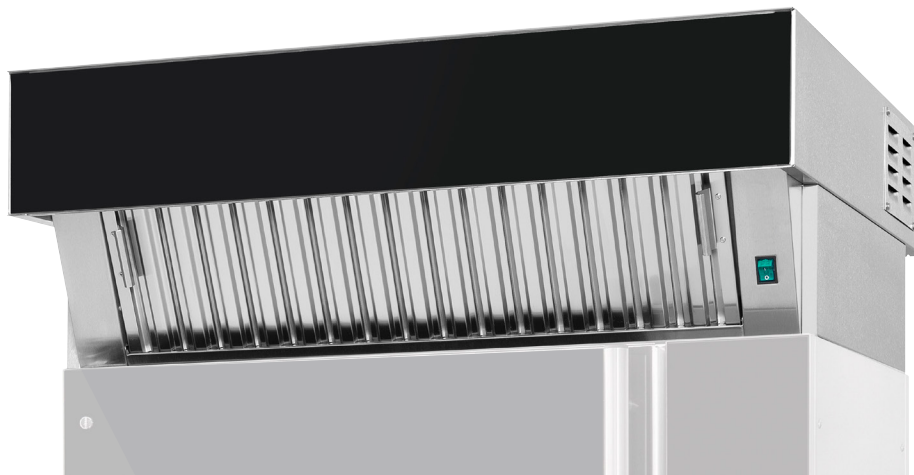


SERVICE MANUAL

TDR Hood



- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended a training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

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Versions		
Version	Issue date dd/mm/yy	Remarks
1509	25-09-2015	First release
1807	19-07-2018	Hood TDR8 auto-clean included
20210715	15-07-2021	Hood TDR5 auto-clean included
20220228	28-02-2022	Exploded views extended with pos 47 and 48

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This manual describes the TDR Exhaust-Hood.

The Exhaust-Hood is available for the TDR5 and TDR7/8 Rotisseries. It can also be placed on single or stacked (double) units.

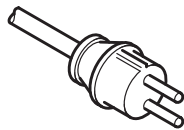
It has its own mains cable with Schuko 16A plug (see below).

A separate wall socket is needed !!

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

TECHNICAL DATA

Model	Type 5	Type 8	Type 5 auto-clean	Type 8 auto-clean
Dimensions				
- Width	835 mm	995 mm	885	1045 mm
- Depth	855 mm	971 mm	930	1080 mm
- Height	370 mm	370 mm	370 mm	370 mm
Weight				
- Gross	90 kg	97 kg	95 kg	102 kg
- Net	72 kg	77 kg	77 kg	82 kg
Maximum ambient temperature	35 °C	35 °C	35 °C	35 °C
Sound pressure	< 70 dB(A)	< 70 dB(A)	< 70 dB(A)	< 70 dB(A)
Electrical installation				
- Voltage	1N~ 230 V	1N~ 230 V	1N~ 230 V	1N~ 230 V
- Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
- Required power	0.4 kW	0.4 kW	0.4 kW	0.4 kW
- Max. nom. current	1.5/1.7 A	1.5/1.7 A	1.5/1.7 A	1.5/1.7 A
Length of power cable	Schuko 16 A	Schuko 16 A	Schuko 16 A	Schuko 16 A
Plug	2,20 m	2,20 m	2,20 m	2,20 m



Total Height on:

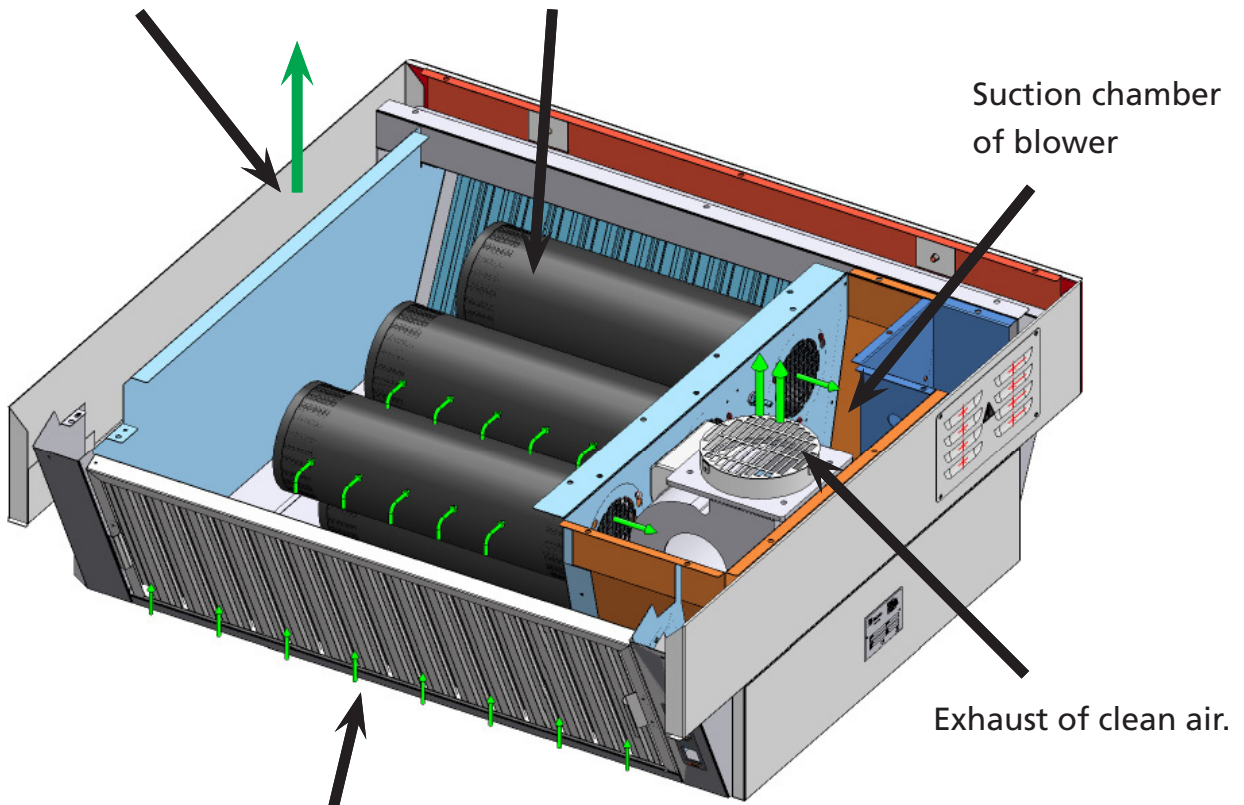
TDR5	= 1245 mm
TDR5+ TDR5 or TDR5+ TDW5	= 2124 mm
TDR5 on Underframe	= 2060 mm
TDR8	= 1400 mm
TDR8+ TDR8 or TDR8+ TDW8	= 2430 mm
TDR8 on Underframe	= 2130 mm
TDR5 ac	= 2065 mm
TDR8 auto-clean on U.F.	= 2130 mm
TDR8 ac + TDR8 ac	= 2430 mm

Total height = Unit height + 330 mm

WORKING PRINCIPLE

Transit of cooling
air from TDR

5 Active carbon filters :
Absorbption of odours.
Need to be replaced when saturated.



Pre filter
(air intake at front and back side)
Stores down the grease out of the vapor
from the TDR rotisserie.
Needs weekly cleaning.

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

MOUNTING THE HOOD ON THE TDR

Unpack the hood

Take out the grease filters (on both sides).

1 lift up.

2 turn out

3 Unscrew the TDR side panels and put them aside.

4a For TDR8 m or TDR8 p:

Replace the top plate by the delivered one.

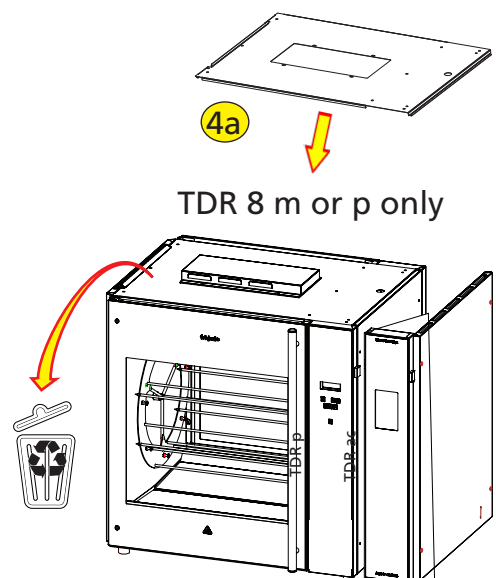
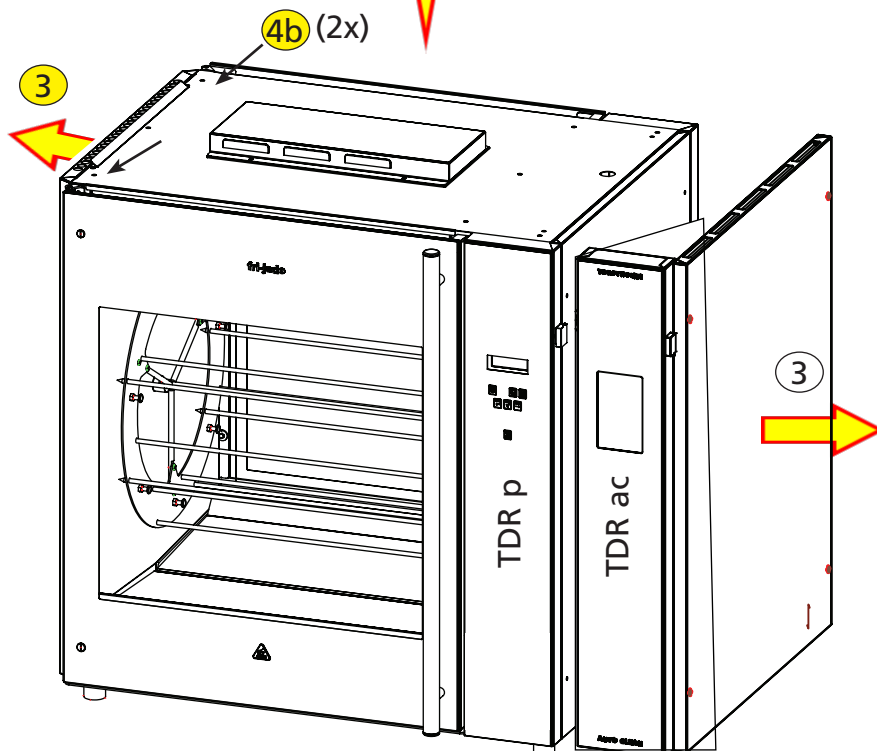
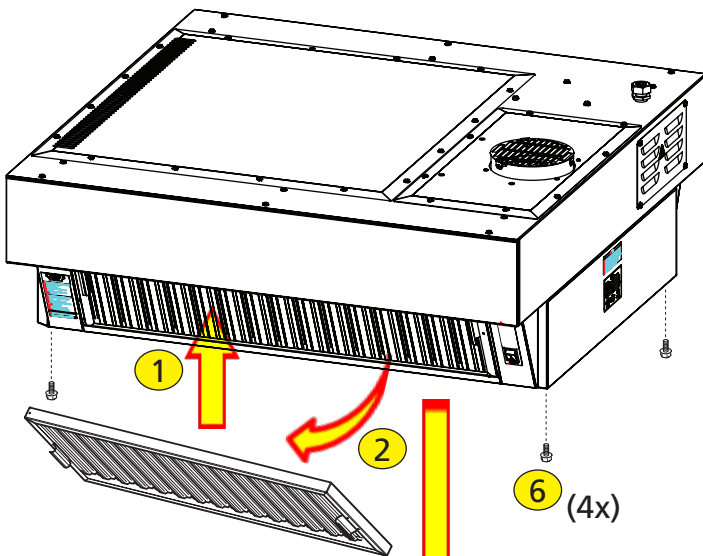
4b For TDR5 m/p and TDR auto-clean (TDR ac):

Nock out 2 holes at the left side.

Unscrew and remove 2 screws with nuts at the side of the electric panel.

5 Place the hood on top of the TDR and -

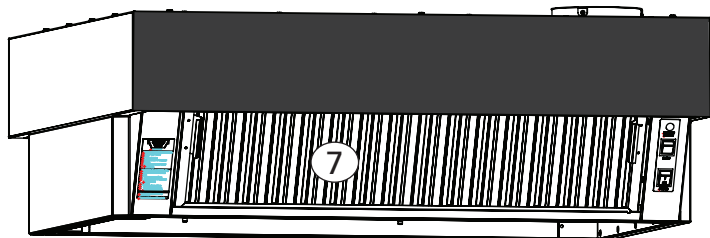
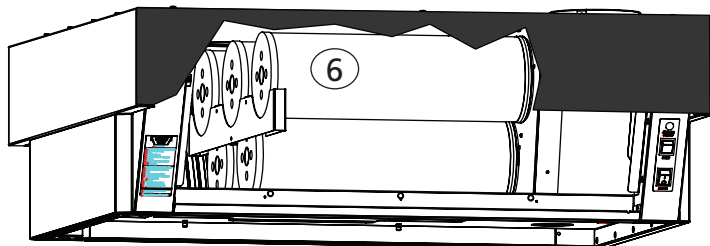
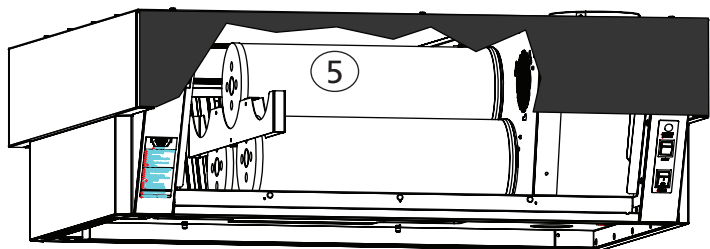
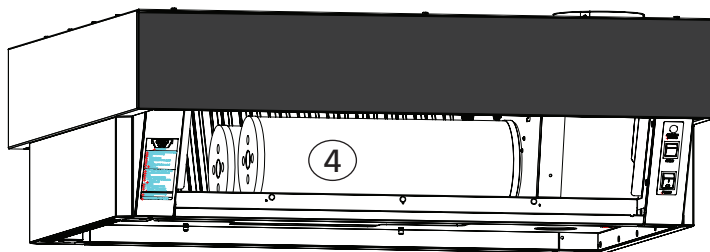
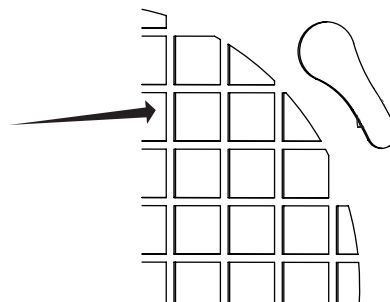
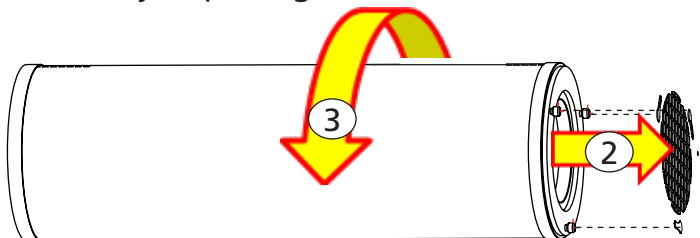
6 Fix the hood with 4 screws.



PLACING OF THE CARBON FILTERS



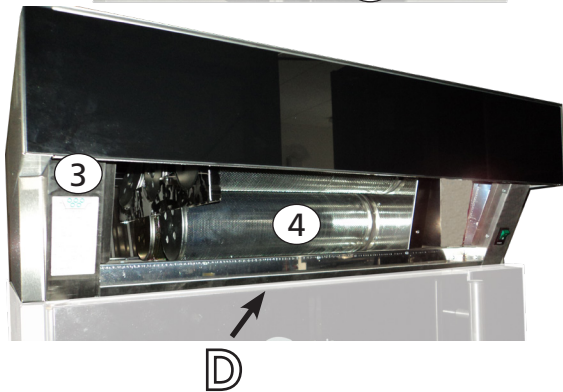
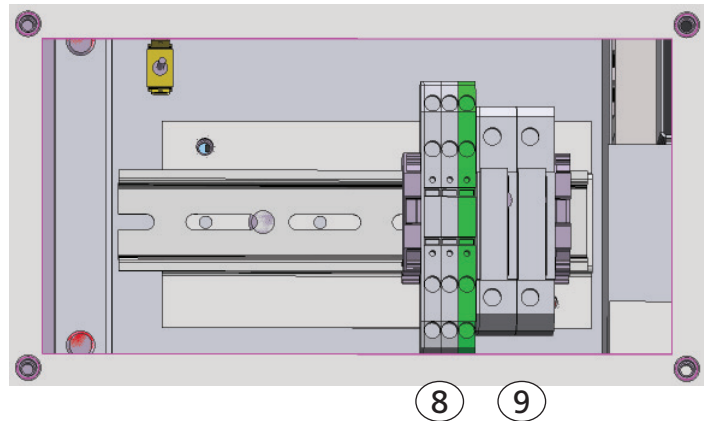
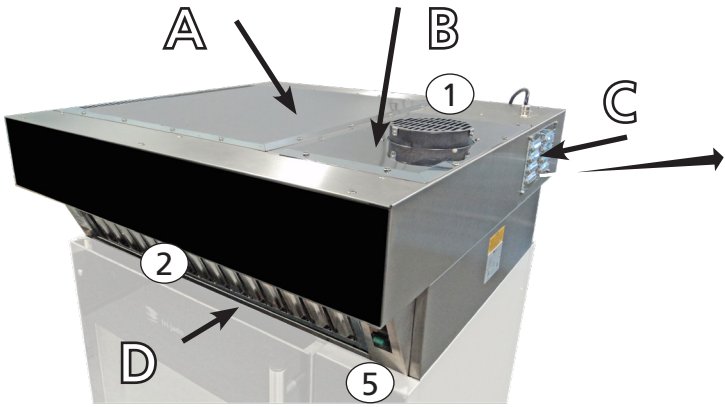
The way of placing



- 1 The filters go in from both sides.
- 2 Place the carbon filter with the three bolts in the holes.
- 3 Fully turn in clockwise.
- 4 Place the two bottom filters.
- 5 Place the middle top filter together with the filter support. (filter support already present in case of TDR5)
- 6 Place the remaining 2 filters.
- 7 Place the grease filters.
- 8 Put the plug into the mains socket (230V~).

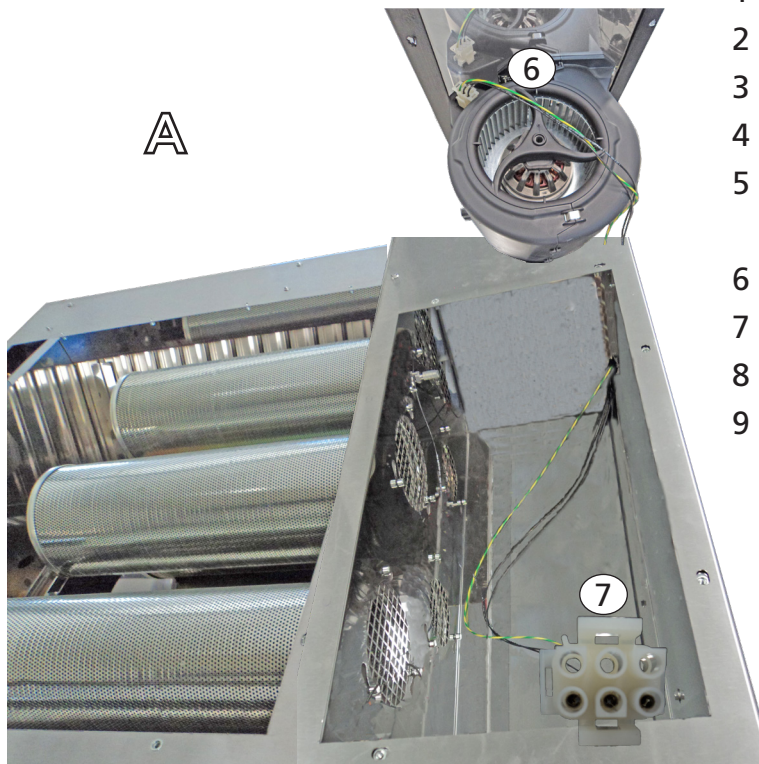
WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

ACCESS TO SERVICE PARTS. (OVERVIEW)



- A Carbon filter compartment
- B Blower compartment
- C Electra box
- D Access to carbon filters (for customer)

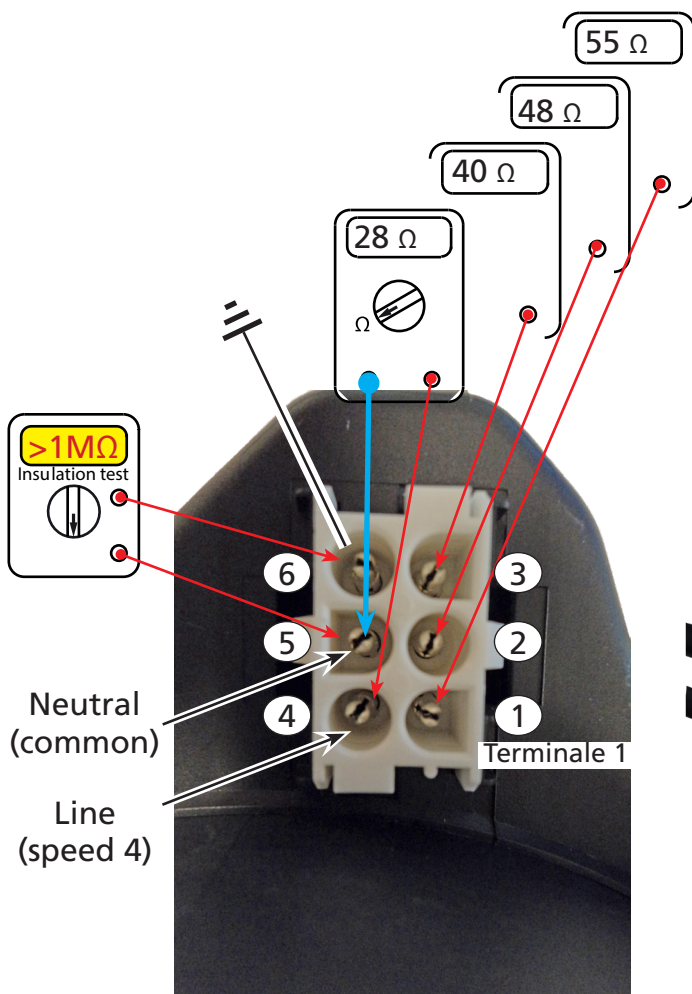
- 1 Blower outlet (filtered air)
- 2 Grease filter (also at the backside)
- 3 Information sticker
- 4 Carbon filters
- 5 ON/OFF switch (green).
(lit when switched on)



- 6 Blower
- 7 Blower plug (6 pole)
- 8 Mains connection block
- 9 Fuses 10 Amp

WARNING: Observe all safety rules when working on the hood

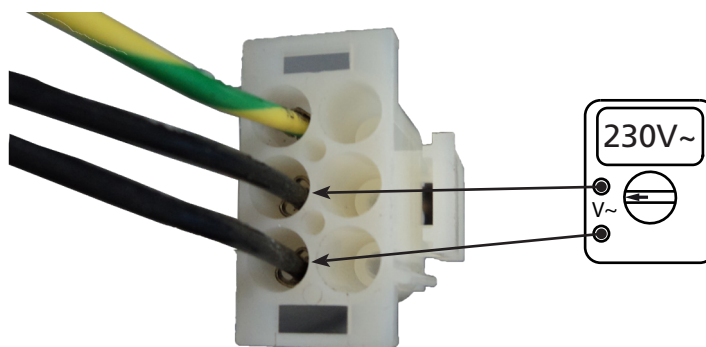
VOLT OHM READING ON THE BLOWER



Basically, the blower has 4 possible speeds. Only the highest speed is used. Therefore, terminals 1,2 and 3 are not used.

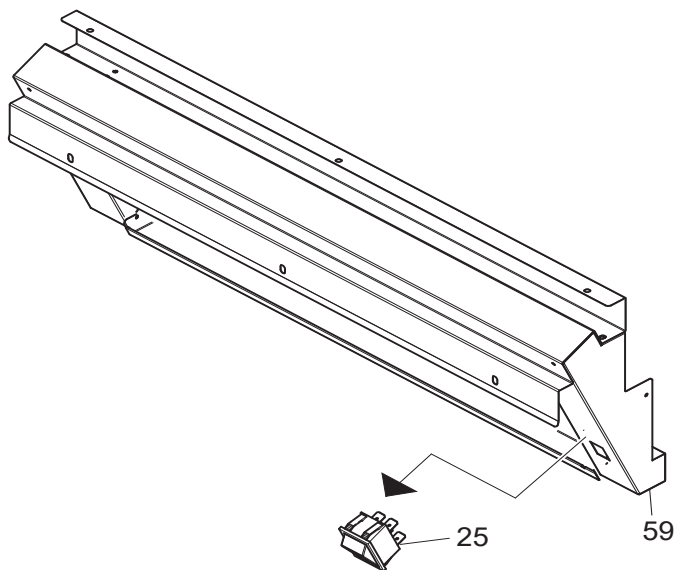
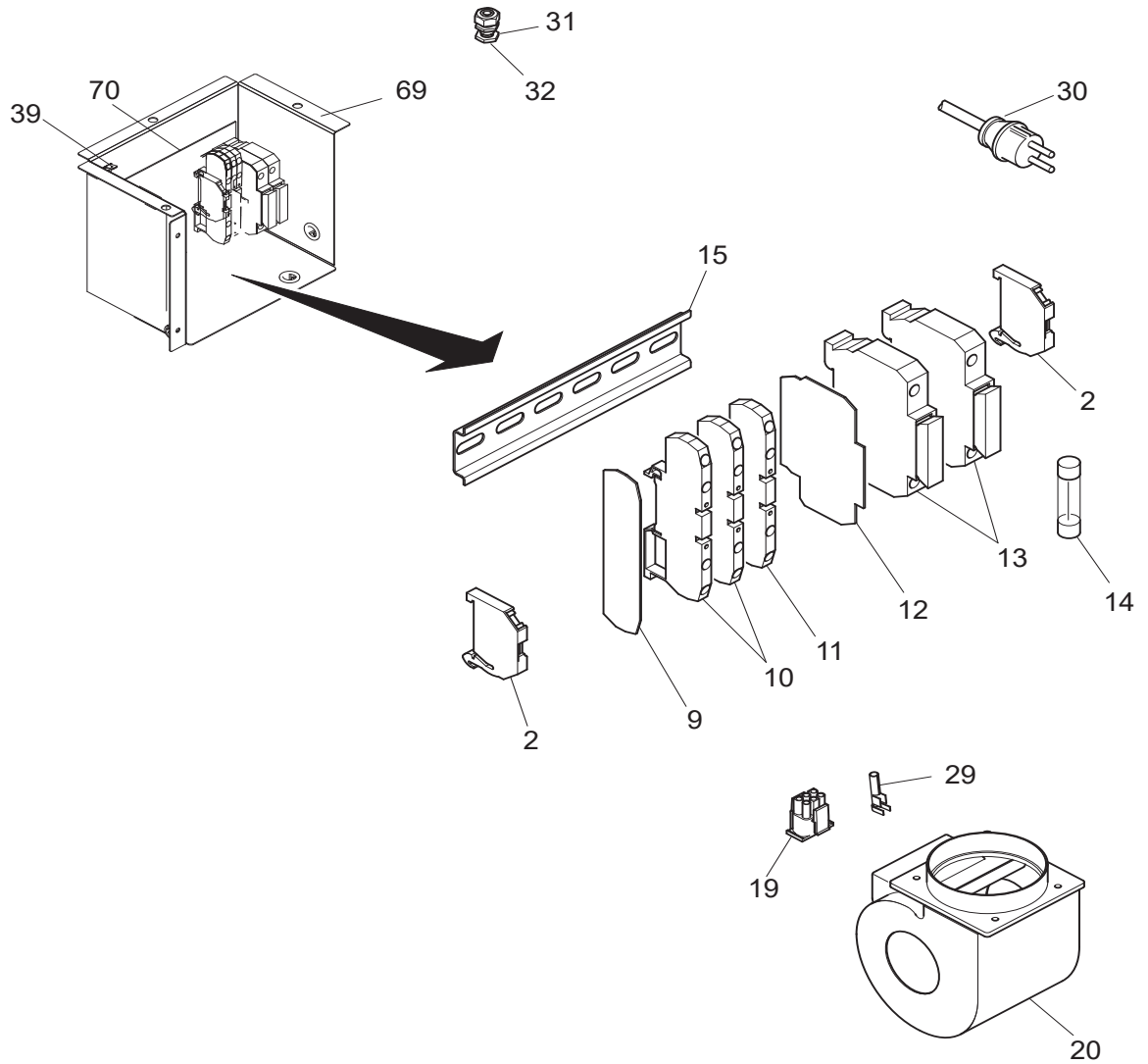
See overview for Ω readings.

See below for Volt reading



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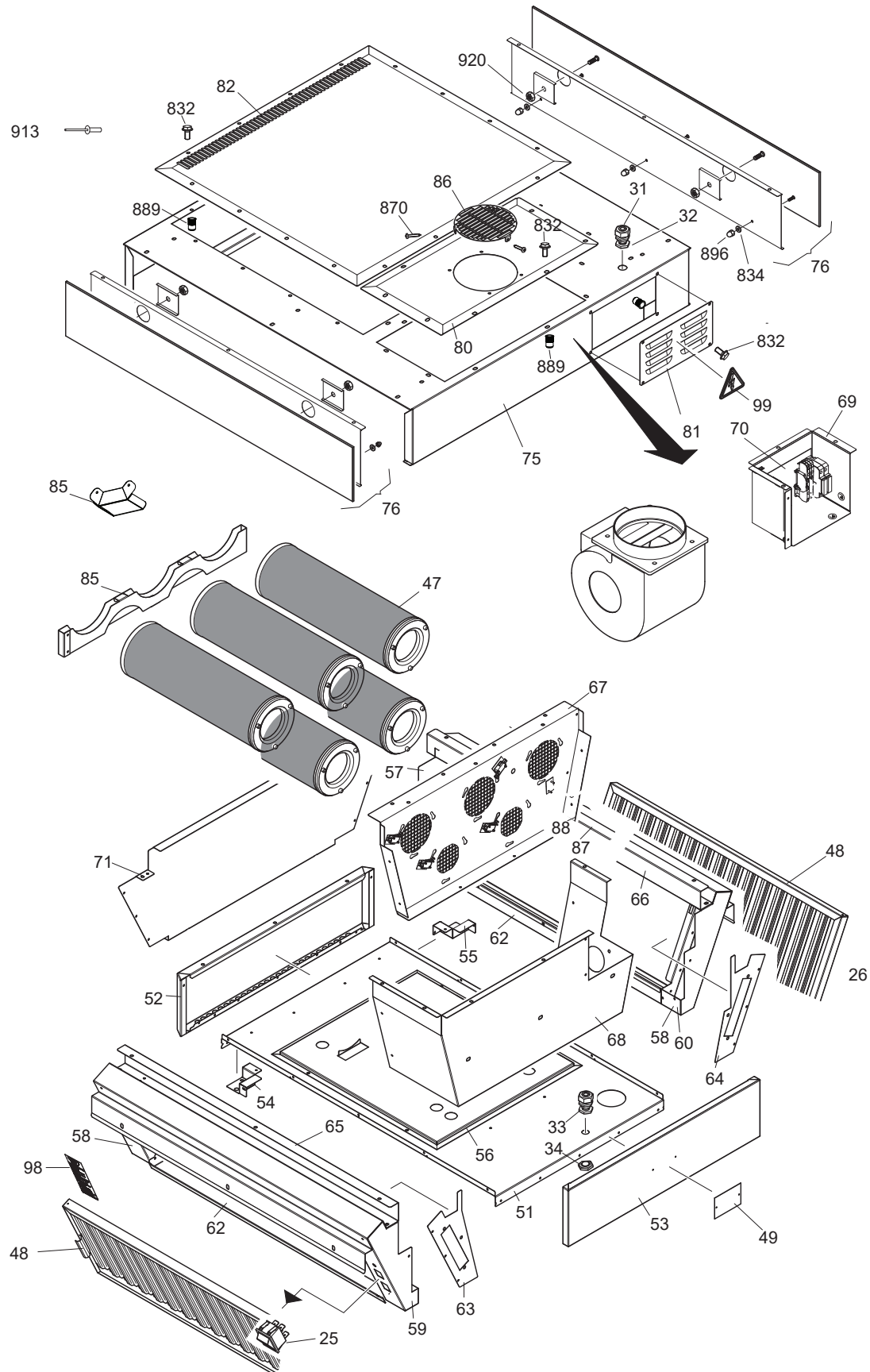
TDR HOOD ELECTRICAL PARTS



TDR HOOD PARTSLIST ELECTRICAL PARTS

Pos	TDR5	TDR8	TDR5 ac	TDR8 ac	Description	Qty	unit	priority
2	9191222	9191222	9191222	9191222	Clamp terminal, end DIN-rail ABB	2	pc	
9	9191223	9191223	9191223	9191223	Cap end, terminal block ABB	1	pc	
10	9191240	9191240	9191240	9191240	Terminal rail mounted, 4 pole	2	pc	
11	9191239	9191239	9191239	9191239	Terminal rail mounted grn, 4 pole	1	pc	
12	9191250	9191250	9191250	9191250	Cap end, for fuse holder	1	pc	
13	9191218	9191218	9191218	9191218	Fuse holder Euro ABB	2	pc	
14	9191197	9191197	9191197	9191197	Fuse 10A, ceramical	2	pc	1
15	9293072	9293072	9293072	9293072	Din rail Hood	1	pc	
19	3701232	3701232	3701232	3701232	Plug M-N-L 6-pole	1	pc	
20	9292076	9292076	9292076	9292076	Radial fan 230 Volt	1	pc	1
25	3500083	3500083	3500083	3500083	Tumbler switch hol coding 0-1	1	pc	1
29	0601458	0601458	0601458	0601458	Contact, female M-N-L	3	pc	
30	9091383	9091383	9091383	9091383	Power cord length 3 m black			
31	9291107	9291107	9291107	9291107	Cable gland M20 Brass Chromed	1	pc	
32	9291108	9291108	9291108	9291108	Nut M20 for cable gland brass chromed	1	pc	
39	8071060	8071060	8071060	8071060	Blind rivet earth PMC2/6.3	1	pc	

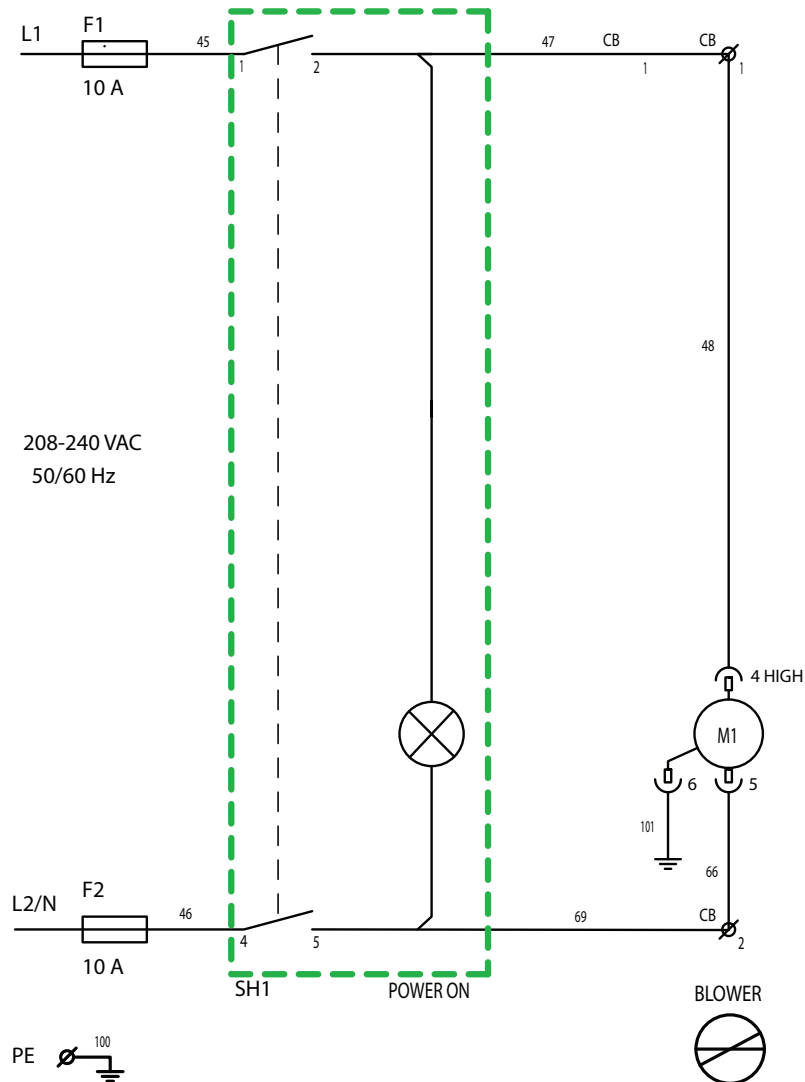
TDR HOOD SHEET METAL



TDR HOOD PARTSLIST SHEET METAL

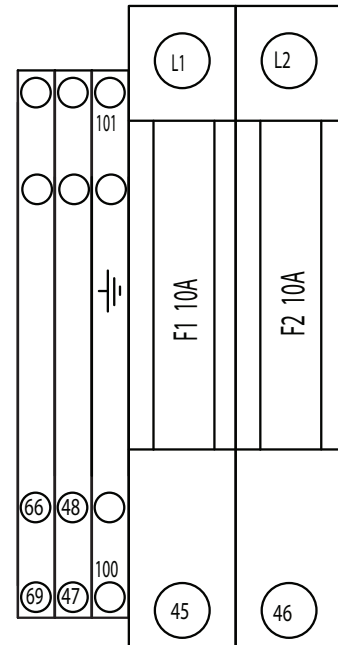
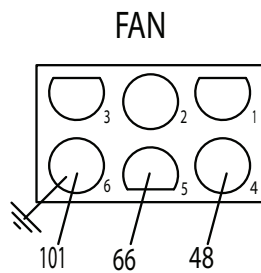
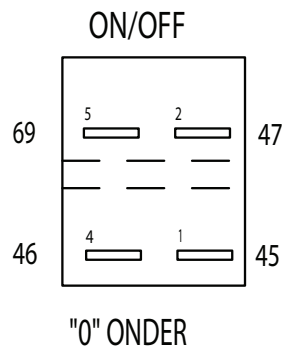
Pos	TDR5	TDR8	TDR5 ac	TDR8 ac	Description	Qty	unit	priority
47	9298710	9298710	9298710	9298710	Cartridge, Carbon (packed per 5)	1	pc	
48	9290231	9290230	9290231	9290230	Grease filter	2	pc	
49	9123492	9110810	9110810	9110810	Plate Fri-Jado	5	pc	
51	9296084	9296117	9314804	9314021	Bottom plate extration hood	2	pc	
52	9296085	9296061	9314803	9314022	Side panel left	1	pc	
53	9296086	9296062	9314803	9314023	Side panel right	1	pc	
54	9296045	9296045	9314042	9314042	Mounting plate-front hood	1	pc	
55	9296046	9296046	9314041	9314041	Mounting plate-v hood	1	pc	
56	9296007	9296118	9314808	9314024	Service lid Hood	1	pc	
57	9296160	9296153	9314028	9314028	Corner panel	1	pc	
58	9296159	9296152	9314026	9314026	Corner panel	1	pc	
59	9296169	9296167	9314802	9314030	Control panel	2-1	pc	
60			9314806	9314027	Corner panel	1	pc	
62	9296162	9296154	9314801	9314029	Cross beam, lower	1	pc	
63	9296081	9296147	9296147	9296147	Separator plate front	2	pc	
64	9296151	9296148	9296148	9296148	Separator plate back	1	pc	
65	9296088	9296066	9314805	9314031	Cross beam, upper front	1	pc	
66	9296107	9296164	9314801	9314031	Cross beam, upper back	1	pc	
67	9296089	9296070	9314815	9314034	Mounting plate carbon cardridges	1	pc	
68	9296047	9296119	9314814	9314033	Box Fan/Carbon filters hood	1	pc	
69	9296145	9296145	9296145	9296145	Electric box hood	1	pc	
70	9296150	9296150	9296150	9296150	U-plate electric	1	pc	
71	9296087	9296071	9314813	9314032	Separator plate left	1	pc	
75	9296090	9296165	9314807	9314035	Top panel extractor hood	1	pc	
76	9290274	9290275	9310296	9310162	Ass. Glass hood	2	pc	
81	9296149	9296149	9296149	9296149	Cover plate electric Hood	1	pc	
82	9296051	9296072	9314810	9314036	Cover extractor hood	1	pc	
85	9296050	9296079	9314816	9314039	Spacer carbon pattern	3	pc	
86	9296078	9296078	9296078	9296078	Cover grid fan	1	pc	
97	9124163	9124158	9124163	9124158	Sticker TDR8-hood cleaning	1	pc	
99	3500105	3500105	3500105	3500105	Sticker black electrical sign, triangle	1	pc	
832	4288231	4288231	4288231	4288231	Bolt M5x10, SS serrated	64	pc	
834	4311110	4311110	4311110	4311110	Washer M5, SS ø5xØ15	6	pc	
870	4286530	4286530	4286530	4286530	Screw 3,5x19, SS selftapping, CRPH	7	pc	
889	6802013	6802013	6802013	6802013	Nut rivet M5	69	pc	
896	4285408	4285408	4285408	4285408	Capnut M5, BNP	6	pc	
913	9008217	9008217	9008217	9008217	Blind rivet 4x8,6 TAP D56BS, range 4,8	82	pc	
920	0141547	0141547	0141547	0141547	Nut M8, SS	4	pc	

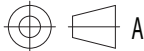
CIRCUIT DIAGRAM TDR HOOD



03	08.04.2015	Connections
02	26.08.2014	Controls
REVISION	REV. DATE	REMARK
Tol. principle	Gen. tolerance	Surface treatment
Geom. tolerance		
MATERIAL		
MATERIAL ART. NUMBER	DRAWN Broeders	APPROVED
UNIT mm	STATUS In Progress	DATE 16.01.2014
SCALE 1:1	PROJECT 3330	DRAWING NUMBER 9290909
REMARKS		
DESCRIPTION		
fri-jado		ART. NUMBER 9290909
Circuit Diagram Exhaust Hood		REV. C
		SIZE A3

WIRING DIAGRAM TDR HOOD



REVISION	REV. DATE	REMARK						
Tol. principle		Gen. tolerance	Surface treatment	Geom. tolerance				
MATERIAL								
MATERIAL ART. NUMBER		DRAWN	Broeders		APPROVED			
	UNIT	mm	STATUS	In Progress		DATE	12.052015	
	SCALE	1:1	PROJECT	3330		DRAWING NUMBER	9290911	
	REMARKS							
	DESCRIPTION						ART. NUMBER	REV.
 Wiring diagram Exhaust hood						9290911	A	A4

