BLUESTAR

Parts Manual
Dual Fuel Range

BSDF366
BSDF364G

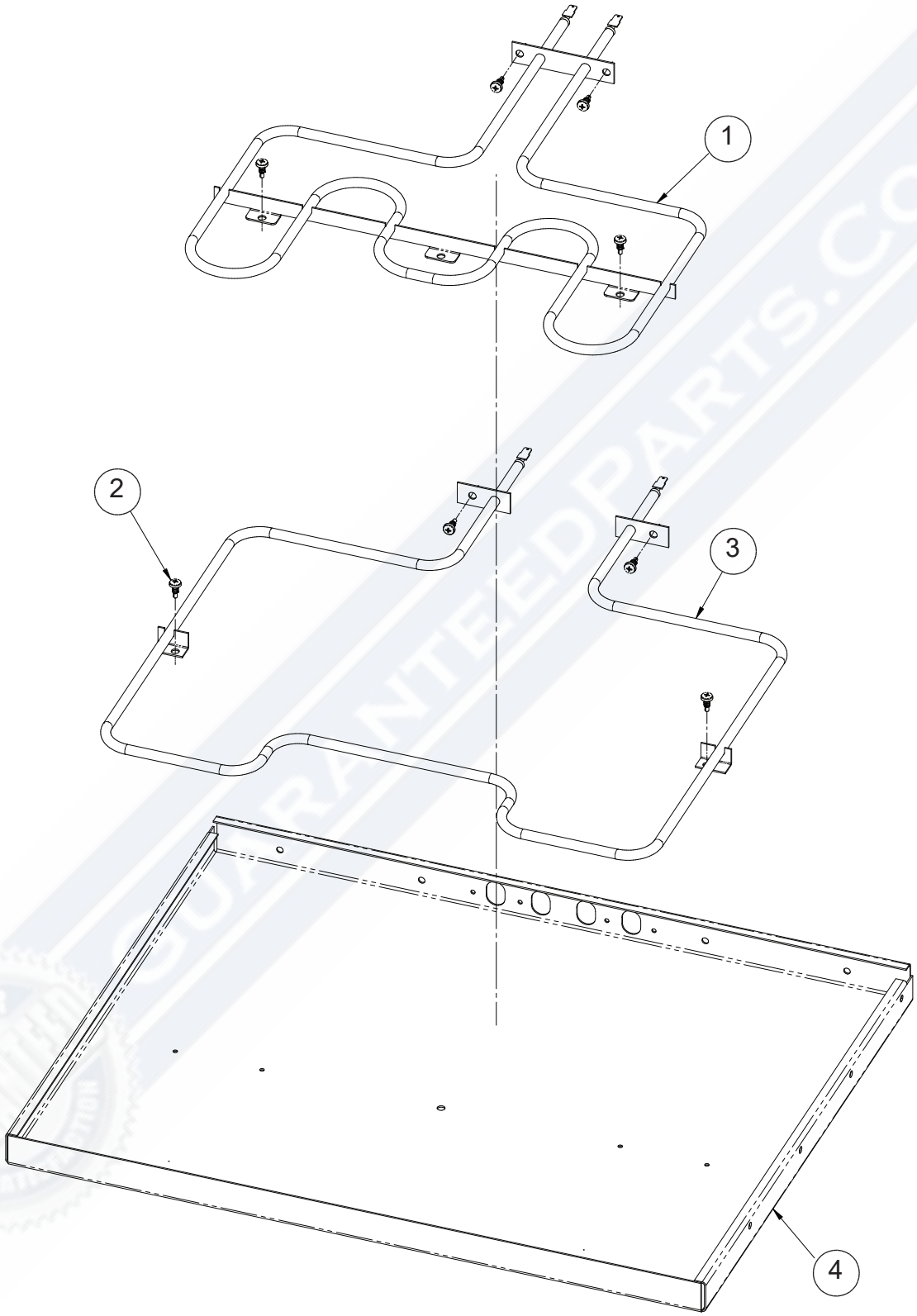


December 2022

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Bake Element Assembly BSDF36



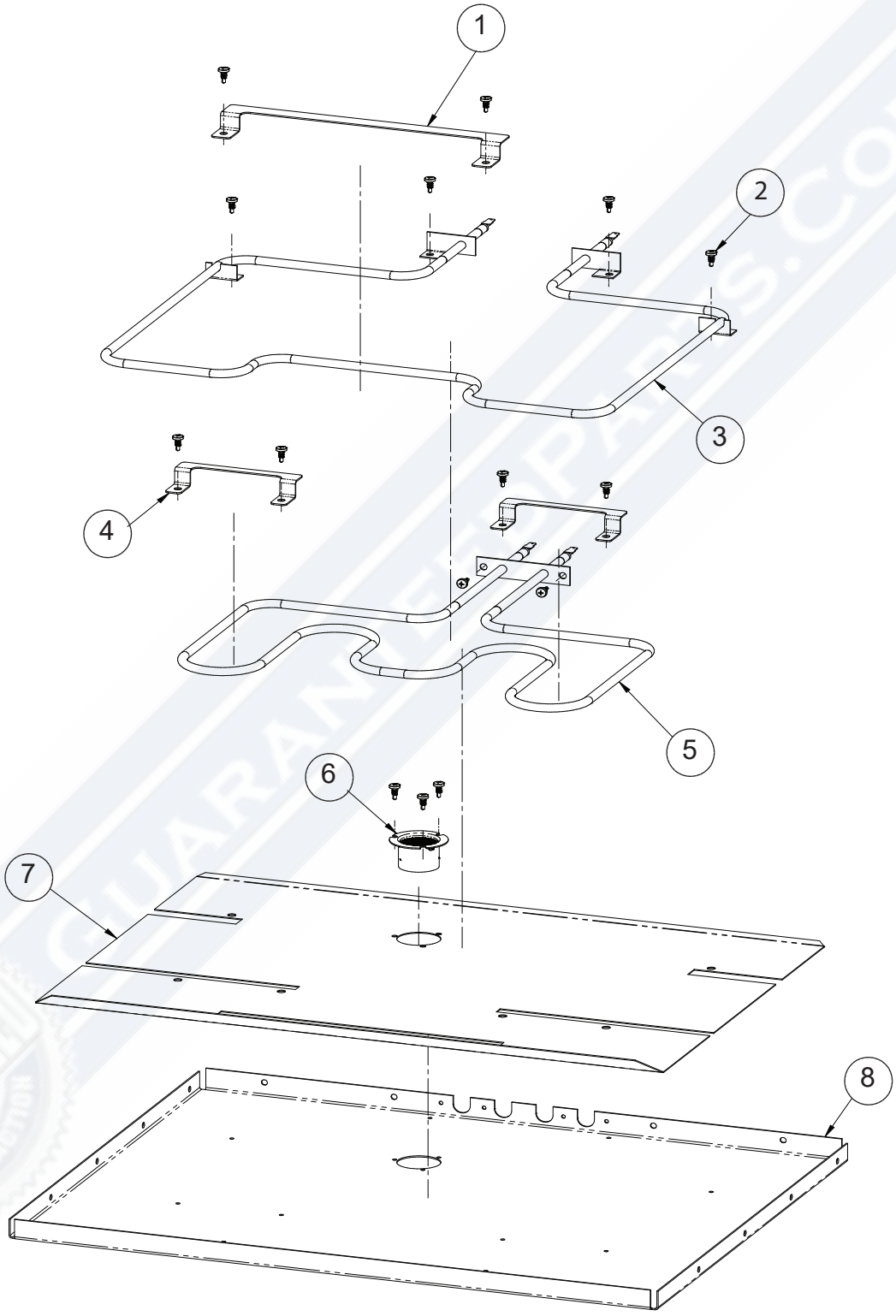
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Bake Element Assembly BSDF36

Reference Number	Part Number	Part Name	Quantity
1	799084	ELEMENT, BAKE INNER	1
2	303204	SCR. 10-16 X 1/2" PAN HD TEK ZC	8
3	799083	ELEMENT, BAKE OUTER	1
4	195118	ELEMENT PAN, BAKE, 36IN	1

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Broil Element Assembly BSDF36

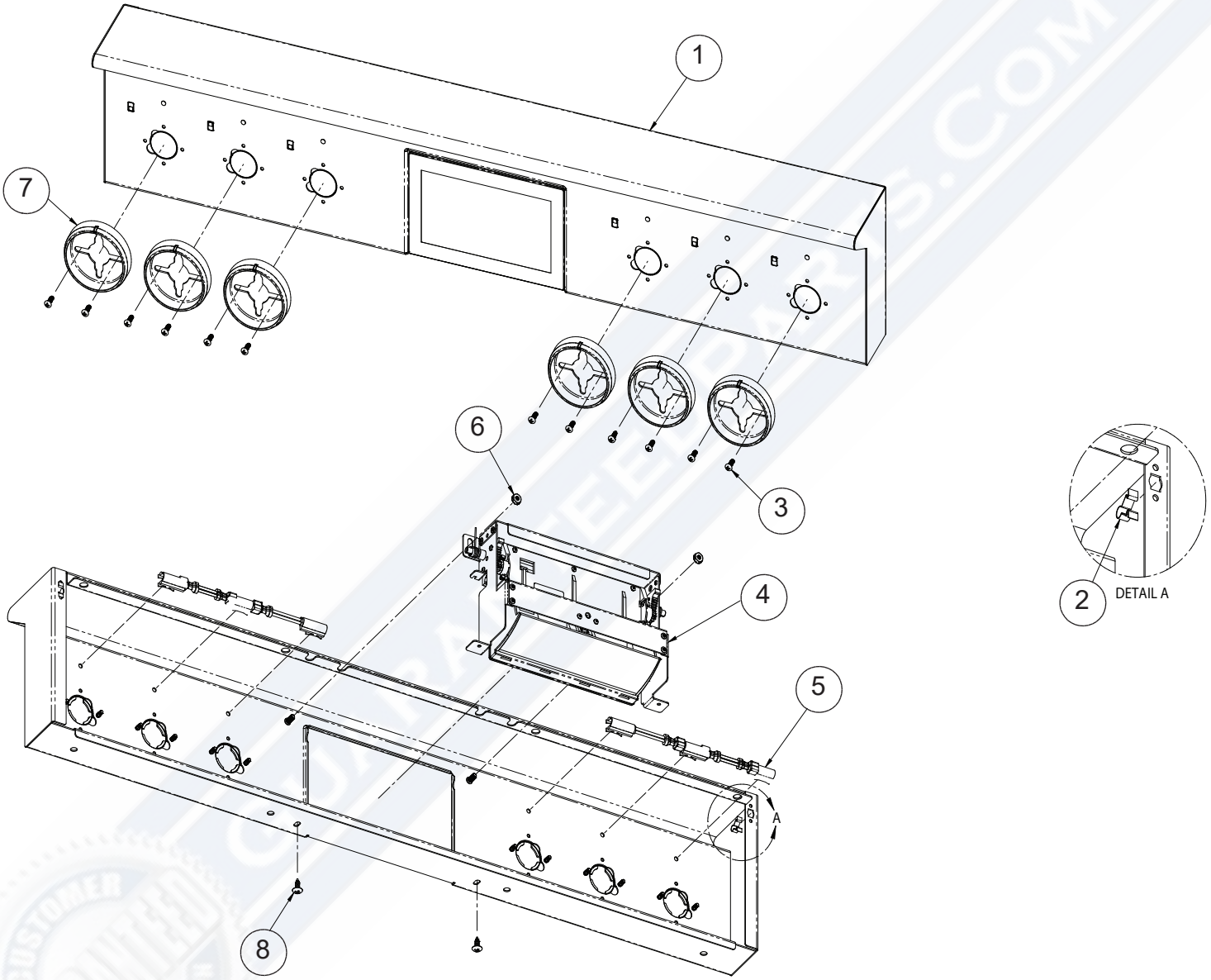


Broil Element Assembly BSDF36

Reference Number	Part Number	Part Name	Quantity
1	195259	BRKT, OUTER BROIL ELEMENT	1
2	303204	SCR. 10-16 X 1/2" PAN HD TEK ZC	15
3	799078	ELEMENT, BROIL OUTER	1
4	112754	BRACKET, BROIL ELEMENT	2
5	799077	ELEMENT, BROIL INNER	1
6	700360	CATALYST BOTTOM	1
7	195218	ELEMENT BROIL HEAT SHIELD 30IN	1
8	195217	ELEMENT PAN, BROIL, 36IN	1

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Control Panel Assembly BSDF36

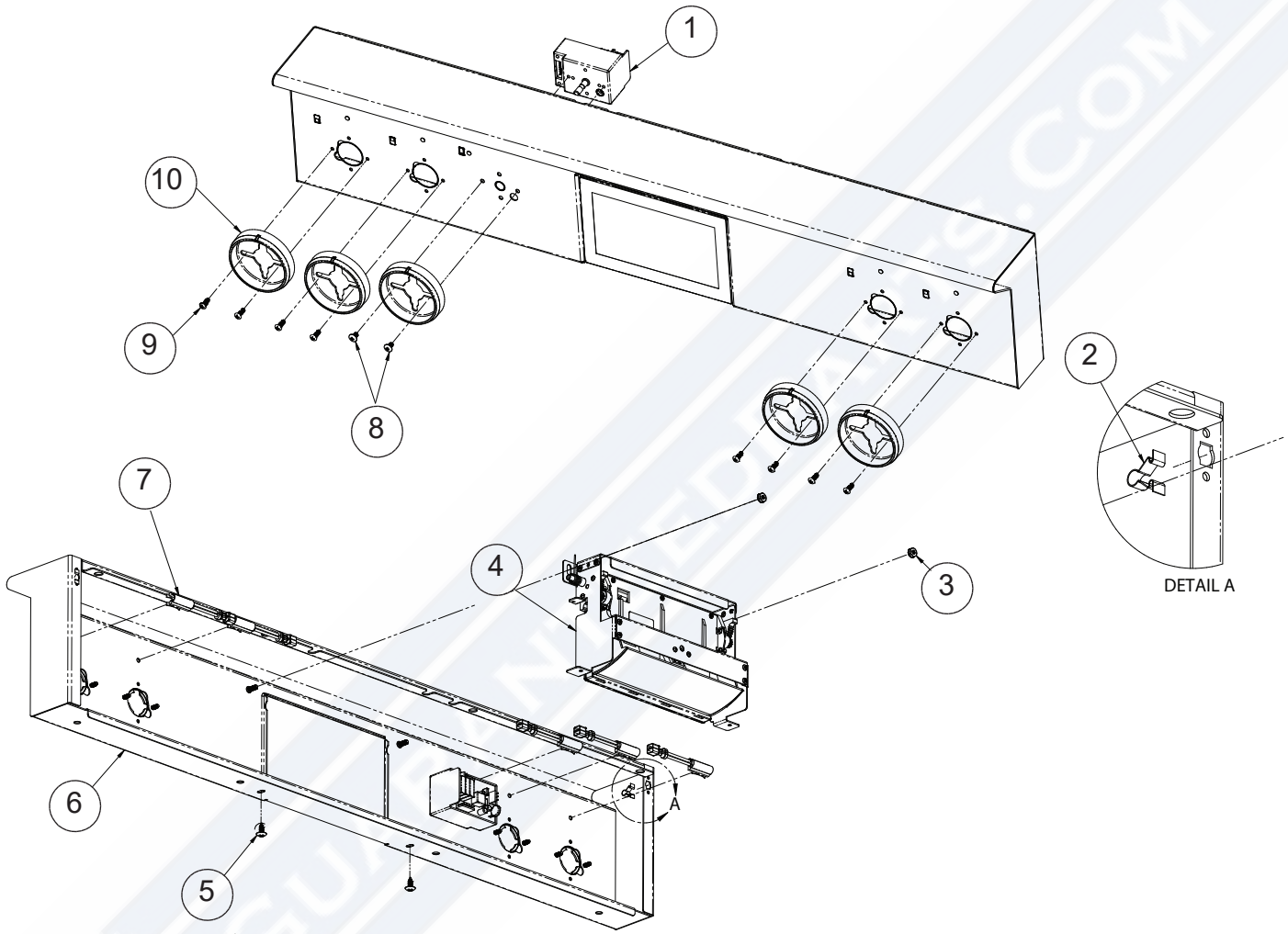


Control Panel Assembly BSDF36

Reference Number	Part Number	Part Name	Quantity
1	503839	ETCHED, CTRL PANEL, 6B, 36IN	1
2	300161	SPRING CLIP PANEL .9 TO 1.2	2
3	300604	8-32X1/2 PH PAN HEAD T/C T-F	12
4	600006	ASM, FRAMED, TILT	1
5	700081	LIGHT, INDICATOR, LED	6
6	300603	KEPS NUT 10-24 ZINC	2
7	700321	BEZEL, KNOB, 3IN DIA	6
8	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2

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Control Panel Assembly BSDF364G

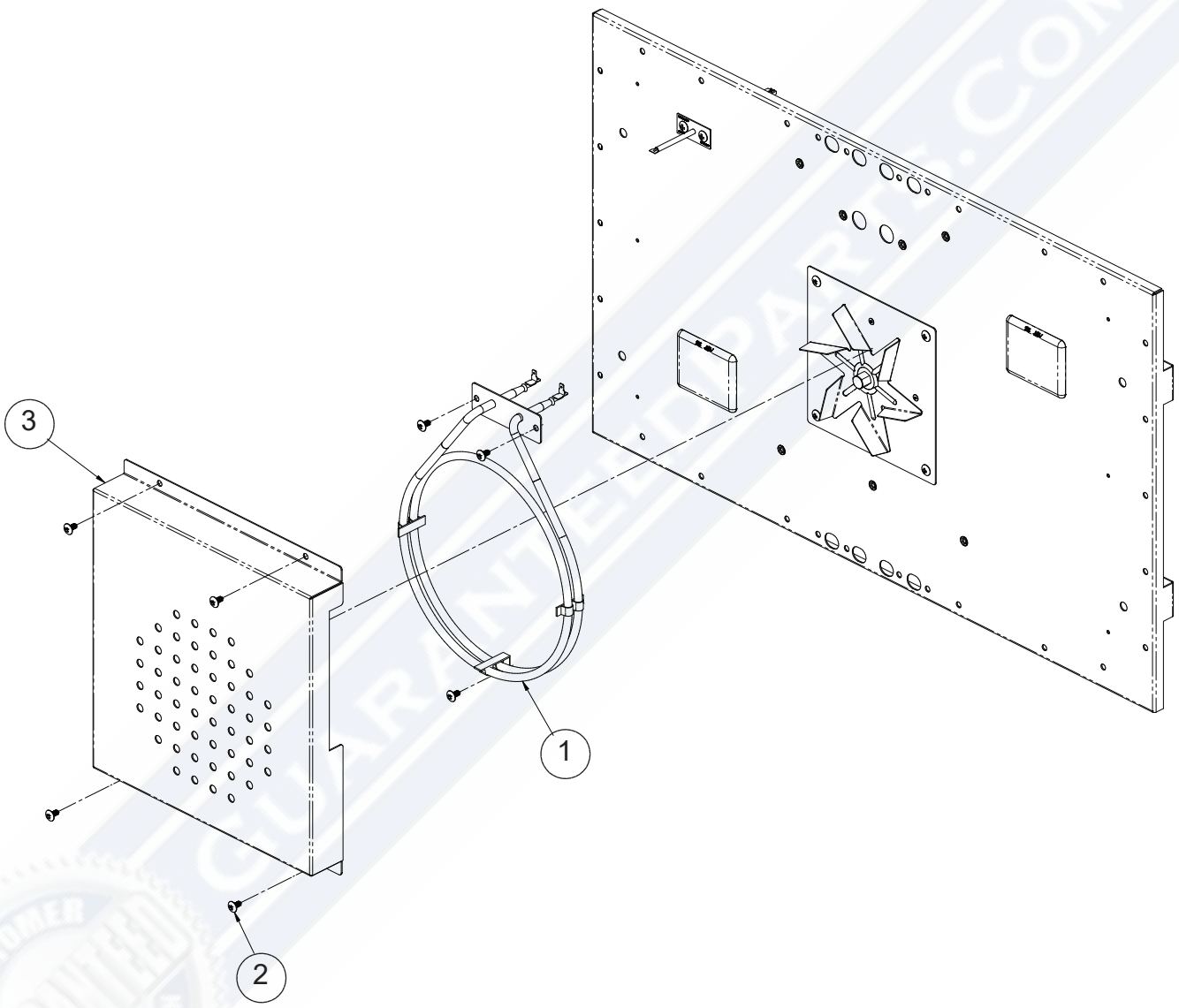


Control Panel Assembly BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	799487	THERMOSTAT, ELECTRONIC	1
2	300161	SPRING CLIP PANEL .9 TO 1.2	2
3	300603	KEPS NUT 10-24 ZINC	2
4	600006	ASM, FRAMED, TILT	1
5	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2
6	503840	ETCHED, CTRL PANEL, GR, 36IN	1
7	700081	LIGHT, INDICATOR, LED	5
8	301302	8-32 X 5/16 PH TRUSS HD M/S 18-8	2
9	300604	8-32X1/2 PH PAN HEAD T/C T-F	8
10	700321	BEZEL, KNOB, 3IN DIA	5

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Convection Element Assembly BSDF36

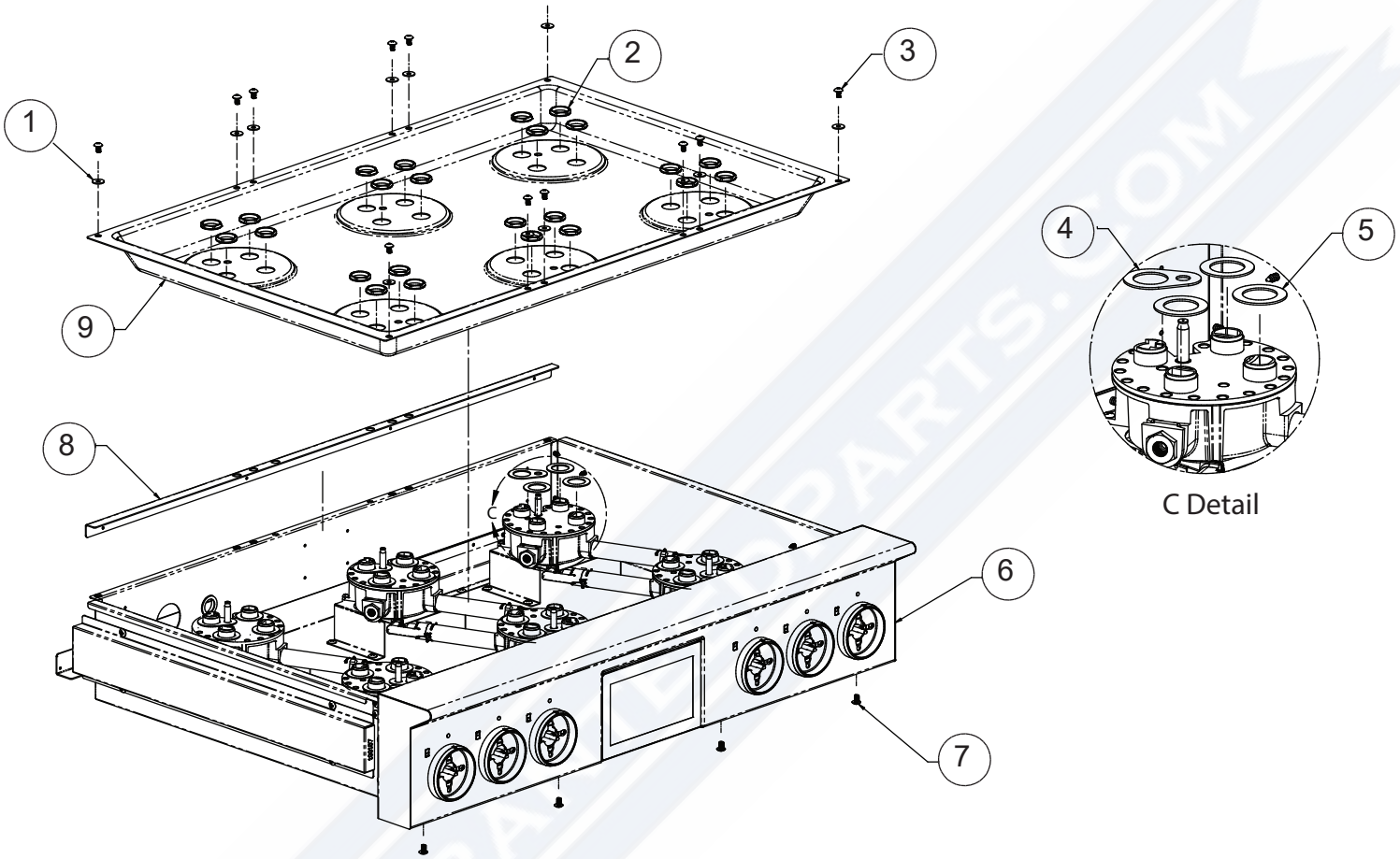


Convection Element Assembly BSDF36

Reference Number	Part Number	Part Name	Quantity
1	799076	ELEMENT, CONVECTION, 2800 W	1
2	304202	10-24 x 3-8 SS Truss Head	7
3	195264	BAFFLE, CONVECTION, 30/48IN	1

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Cooktop Assembly BSDF366

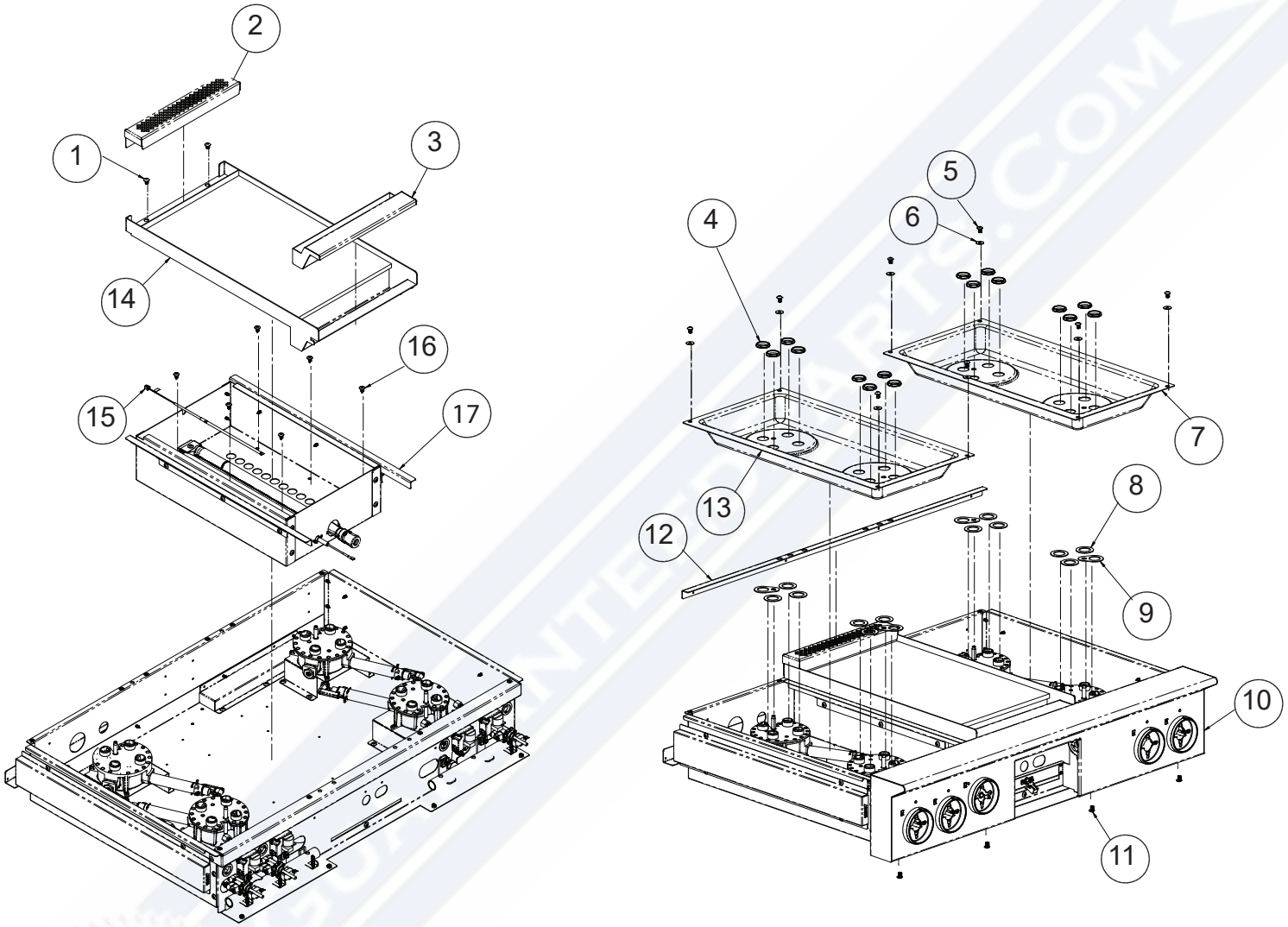


Cooktop Assembly BSDF366

Reference Number	Part Number	Part Name	Quantity
1	310116	WASHER, #10, BLK-OXIDE	12
2	700200	INJECTOR HOLDER NUT	24
3	310115	SCREW, MACH, 10-24 x .375, TH, BLK-OX	12
4	700233	GASKET, STAR BURNER ELECTRODE	6
5	700119	GASKET, STAR BURNER GAS OUTLET	18
6	900286	ASM, CTRL PANEL, 6B, 36IN	1
7	304202	10-24 x 3-8 SS Truss Head	4
8	100484	L-BRACKET, REAR, COOKTOP, 36IN	1
9	700287	BURNER BOWL, STAMPED, 6B	1

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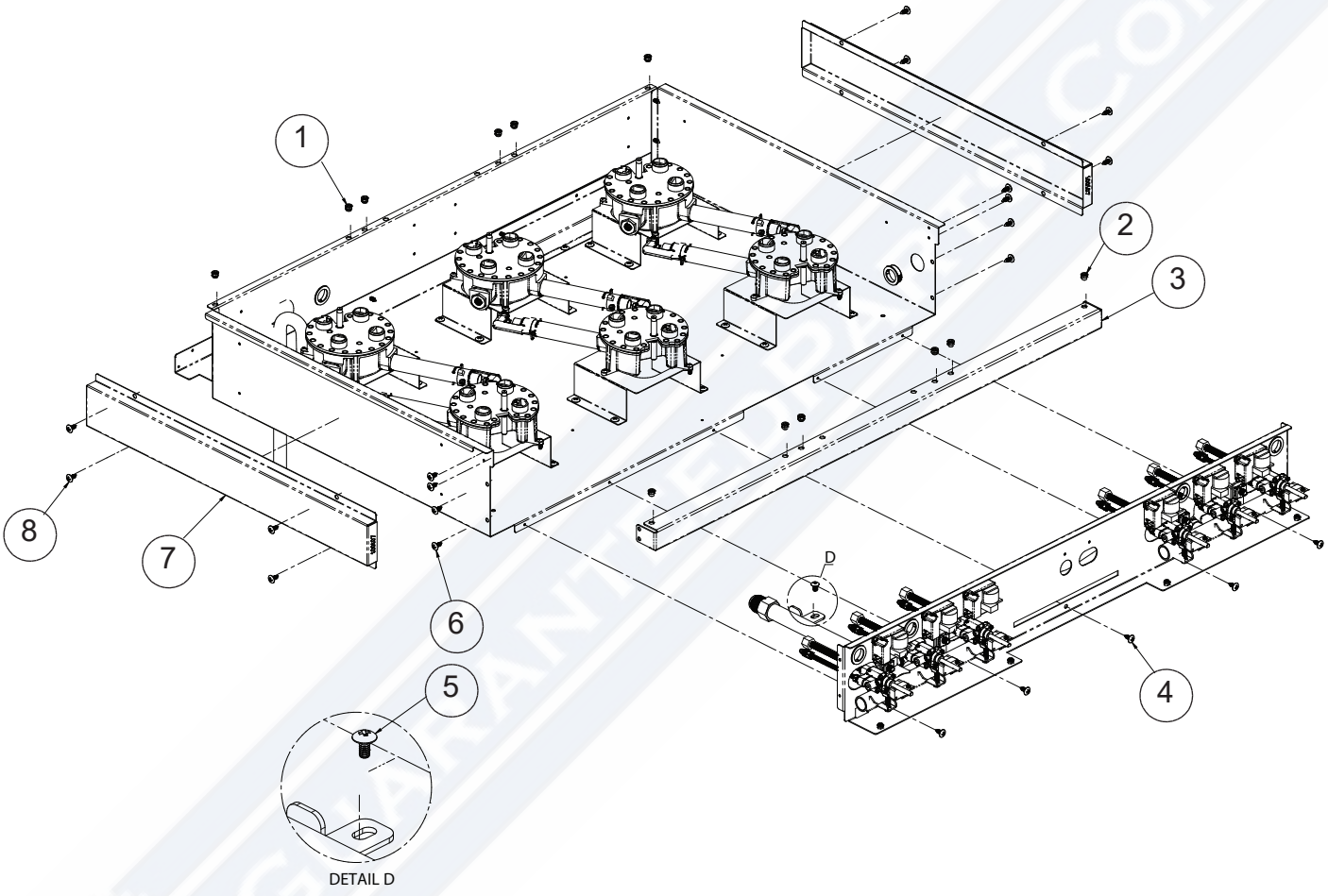
Cooktop Assembly BSDF364G



Cooktop Assembly BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	310115	SCREW, MACH, 10-24 x .375, TH,	2
2	100055	COVER, FLUE, EXHAUST	1
3	503814	ASM, WELD, 11IN GREASE TRAY	1
4	700200	INJECTOR HOLDER NUT	16
5	310115	SCREW, MACH, 10-24 x .375, TH	8
6	310116	WASHER, #10, BLK-OXIDE	8
7	700284	BURNER BOWL, STAMPED, 2B	2
8	700119	GASKET, STAR BURNER GAS OUTLET	12
9	700233	GASKET, STAR BURNER ELECTRODE	4
10	900287	ASM, CTRL PANEL, GR, 36IN	1
11	304202	10-24 x 3-8 SS Truss Head	4
12	100484	L-BRACKET, REAR, COOKTOP, 36IN	1
13	700284	BURNER BOWL, STAMPED, 2B	2
14	500114	11IN GRIDDLE WELDMENT	1
15	799026	RTD PROBE, JST CONNECTOR, GRIDDLE	1
16	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	6
17	900143	ASM, GRIDDLE BOX, 11IN	1

Cooktop Base Assembly BSDF36

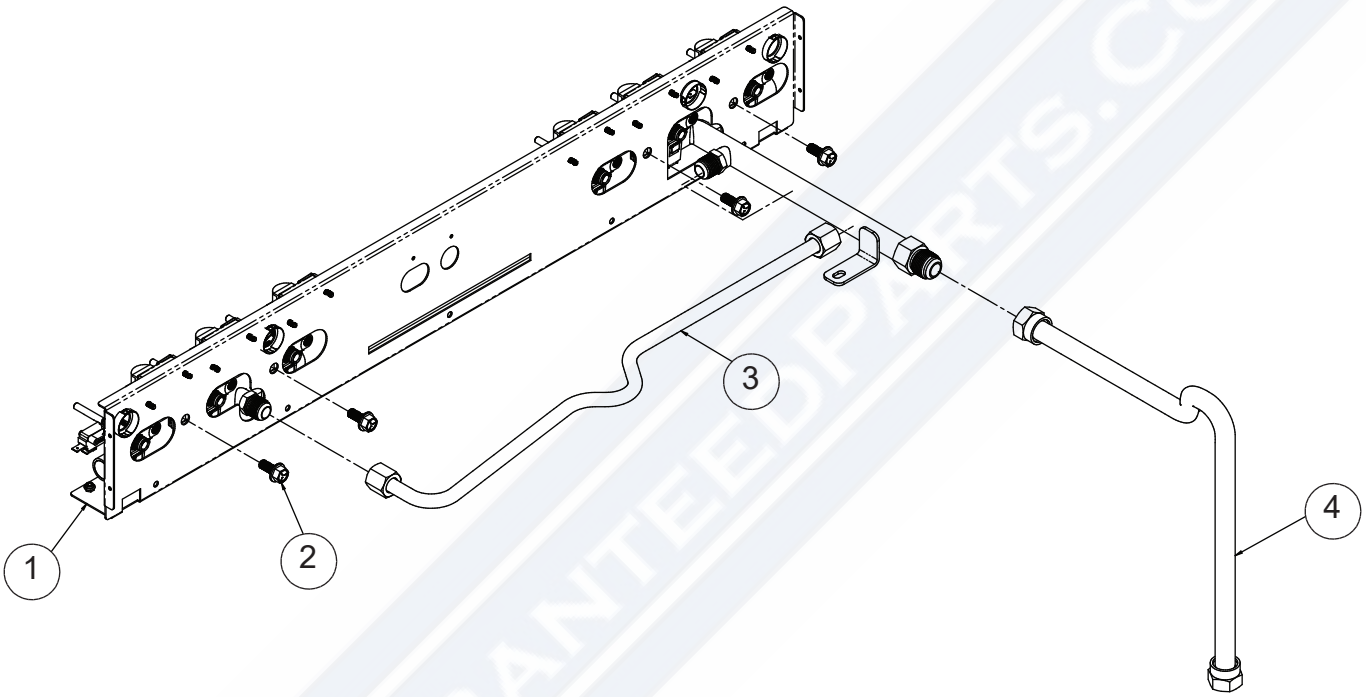


Cooktop Base Assembly BSDF366

Reference Number	Part Number	Part Name	Quantity
1	306406	10-24 HX INC ZC (AVK)	17
2	100482	SUPPORT, SPILL TRAY, 36IN	1
3	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	57
4	304202	10-24 x 3-8 SS Truss Head	1
5	100107	CHANNEL, SIDE, 36IN COOKTOP	2

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Cooktop Chassis BSDF36



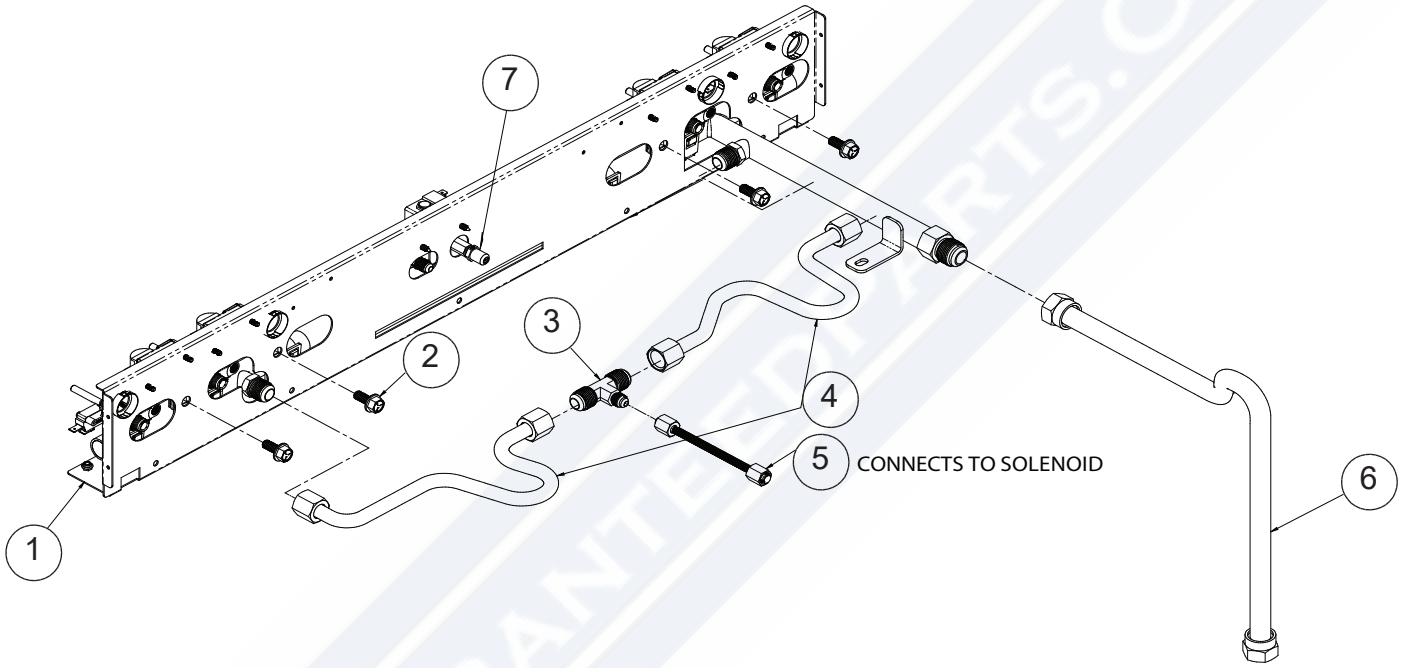
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Cooktop Chassis BSDF366

Reference Number	Part Number	Part Name	Quantity
1	195185	36IN FRONT COOKTOP CHASSIS	1
2	300029	SCREW-5/16"-3/4" WASHER FLANGE	4
3	700496	FLEX TUBE, 1/2 DIA, 24IN	1
4	700494	FLEX TUBE, 5/8 DIA, 28IN L	1

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Cooktop Chassis BSDF364G



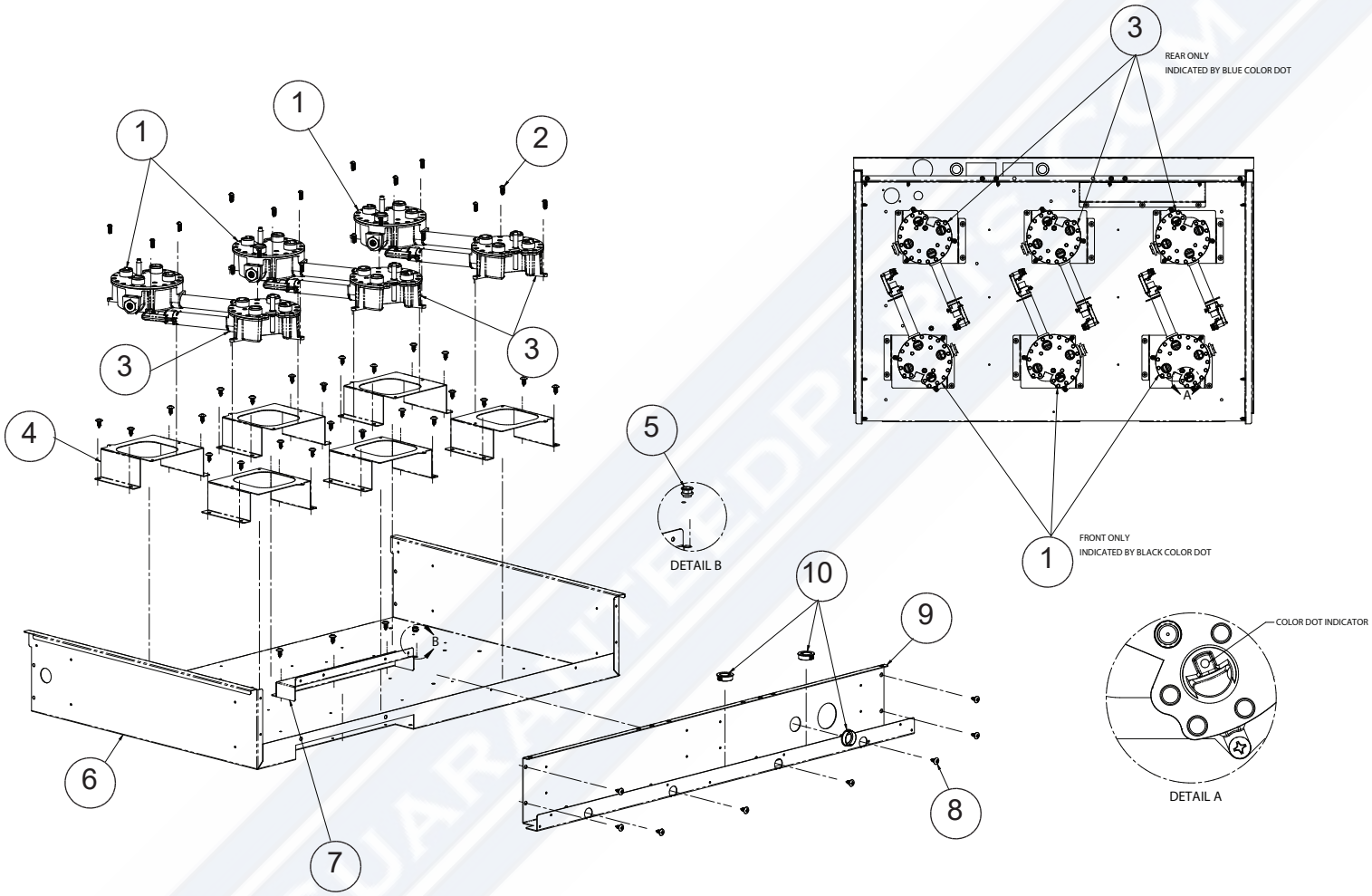
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Cooktop Chassis BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	195185	36IN FRONT COOKTOP CHASSIS	1
2	300029	SCREW-5/16"-3/4" WASHER FLANGE	4
3	700597	T-ADAPTER, 3/4-16 TO 7/16-20	1
4	700600	FLEX TUBE, 1/2 DIA, 15IN L	2
5	700599	FLEX TUBE, 1/4 DIA, 8IN	1
6	700494	FLEX TUBE, 5/8 DIA, 28IN L	1
7	709548	ORIFICE HOOD #48	1
7	709555	ORIFICE HOOD #55	1

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Cooktop Injector Assembly BSDF36

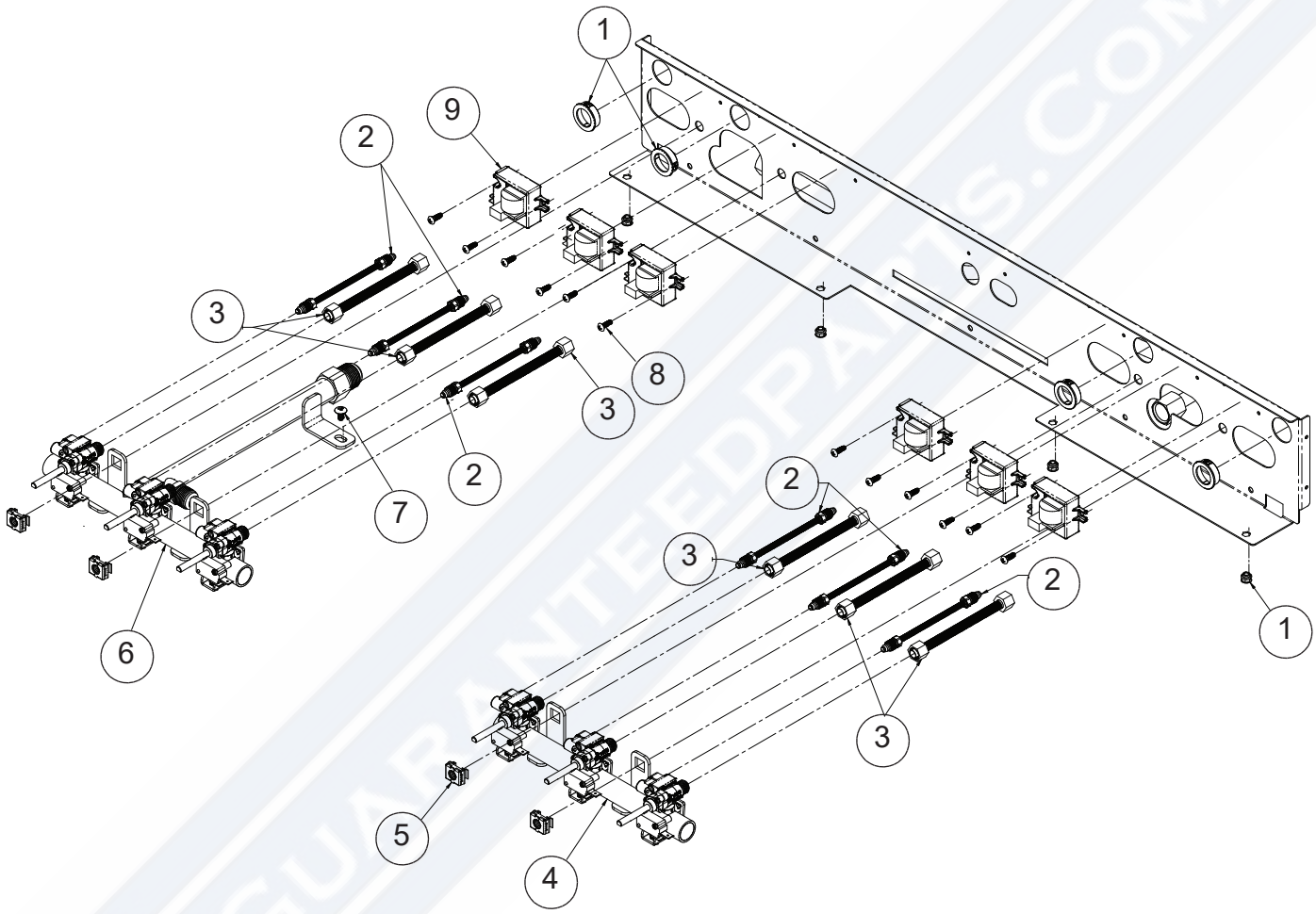


Cooktop Injector Assembly BSDF366

Reference Number	Part Number	Part Name	Quantity
1	710026	ASM, INJECTOR HOLDER, 25K, NG	3
1	710027	ASM, INJECTOR HOLDER, 25K, LP	3
2	300604	8-32X1/2 PH PAN HEAD T/C T-F	30
3	710024	ASM, INJECTOR HOLDER, 18K, NG	3
3	710025	ASM, INJECTOR HOLDER, 18K, LP	3
4	195151	BURNER SUPPORT	6
5	306406	10-24 HX INC ZC (AVK)	17
6	100481	CHASSIS, COOKTOP, 36IN	1
7	100473	COVER, HOUSING, SINGLE FAN	1
8	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	57
9	100483	REAR, COOKTOP, 36IN	1
10	741201	1" SNAP BUSHING	8

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Cooktop Spark Module Assembly BSDF36



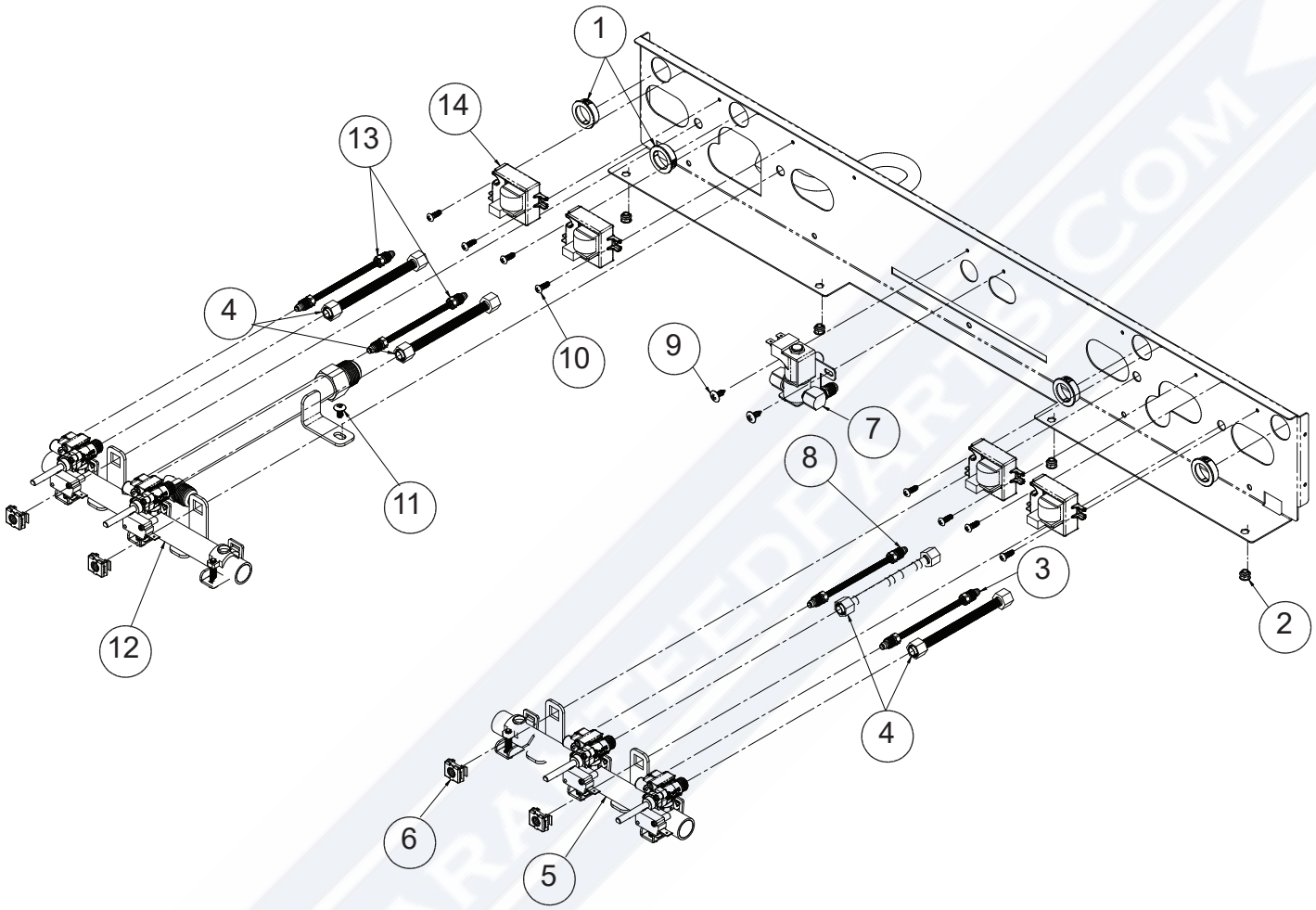
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Cooktop Spark Module Assembly BSDF366

Reference Number	Part Number	Part Name	Quantity
1	741201	1" SNAP BUSHING	8
2	700390	FLEX TUBE, 3/16 DIA, 20IN L	5
3	700392	FLEX TUBE, 5/16 DIA, 20IN L	6
4	700442	ASM, 3V MANIFOLD, RH, 36IN	1
5	300018	NUT-5/16 CAGE, .093-.126 PANEL	4
6	700441	ASM, 3V MANIFOLD, LH, 36IN	1
7	304202	10-24 x 3-8 SS Truss Head	1
8	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	57
9	750480	SPARK MODULE-SINGLE PT, RI 120F-1	6

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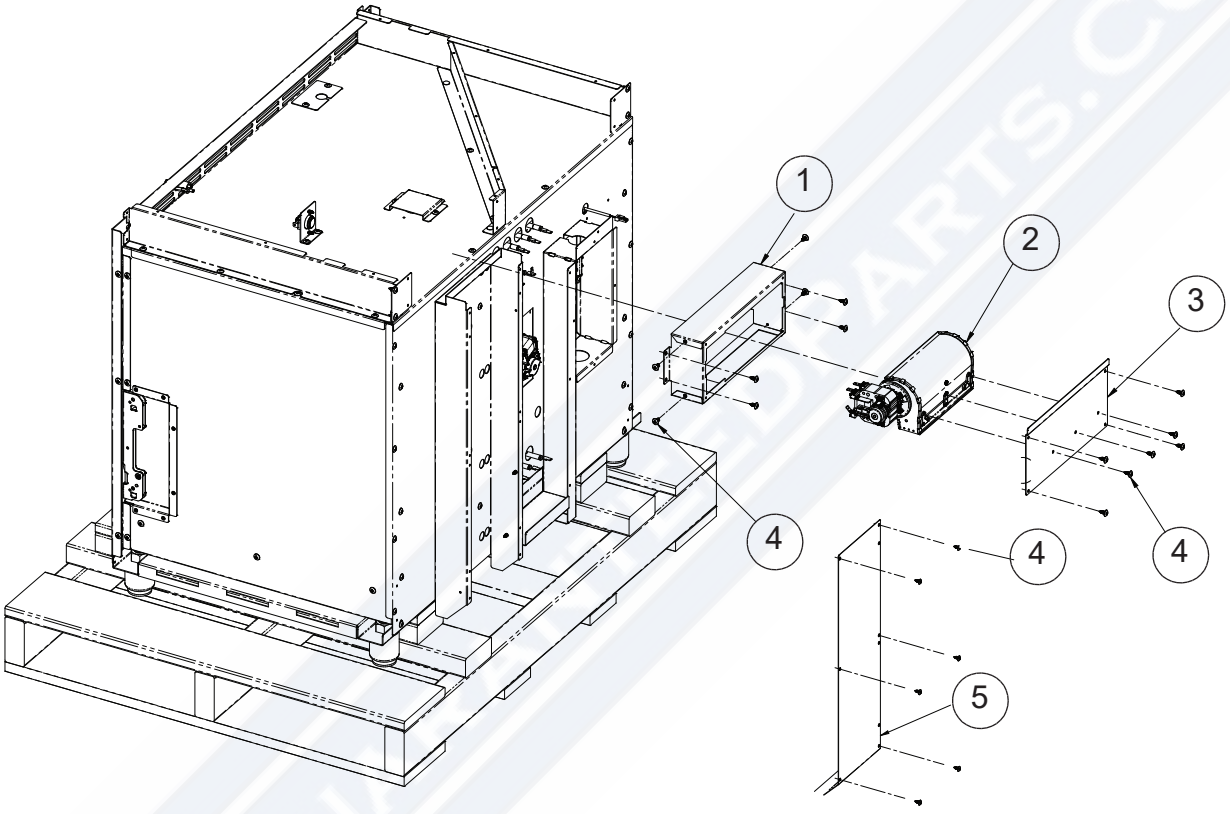
Cooktop Spark Module Assembly BSDF364G



Cooktop Spark Module Assembly BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	741201	1" SNAP BUSHING	4
2	306406	10-24 HX INC ZC (AVK	4
3	700389	FLEX TUBE, 3/16 DIA, 10IN L	1
4	700392	FLEX TUBE, 5/16 DIA, 20IN L	4
5	700445	ASM, 2V MANIFOLD, RH, 36IN	1
6	300018	NUT-5/16 CAGE, .093-.126 PANEL	4
7	600007	ASM, SOLENOID VALVE, NG	1
8	700390	FLEX TUBE, 3/16 DIA, 20IN L	3
9	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2
10	300604	8-32X1/2 PH PAN HEAD T/C T-F	8
11	304202	10-24 x 3-8 SS Truss Head	1
12	700443	ASM, 2V MANIFOLD, LH, 36IN	1
13	700390	FLEX TUBE, 3/16 DIA, 20IN L	3
14	750480	SPARK MODULE-SINGLE PT, RI 120F-1	4

Cooling Fan BSDF36

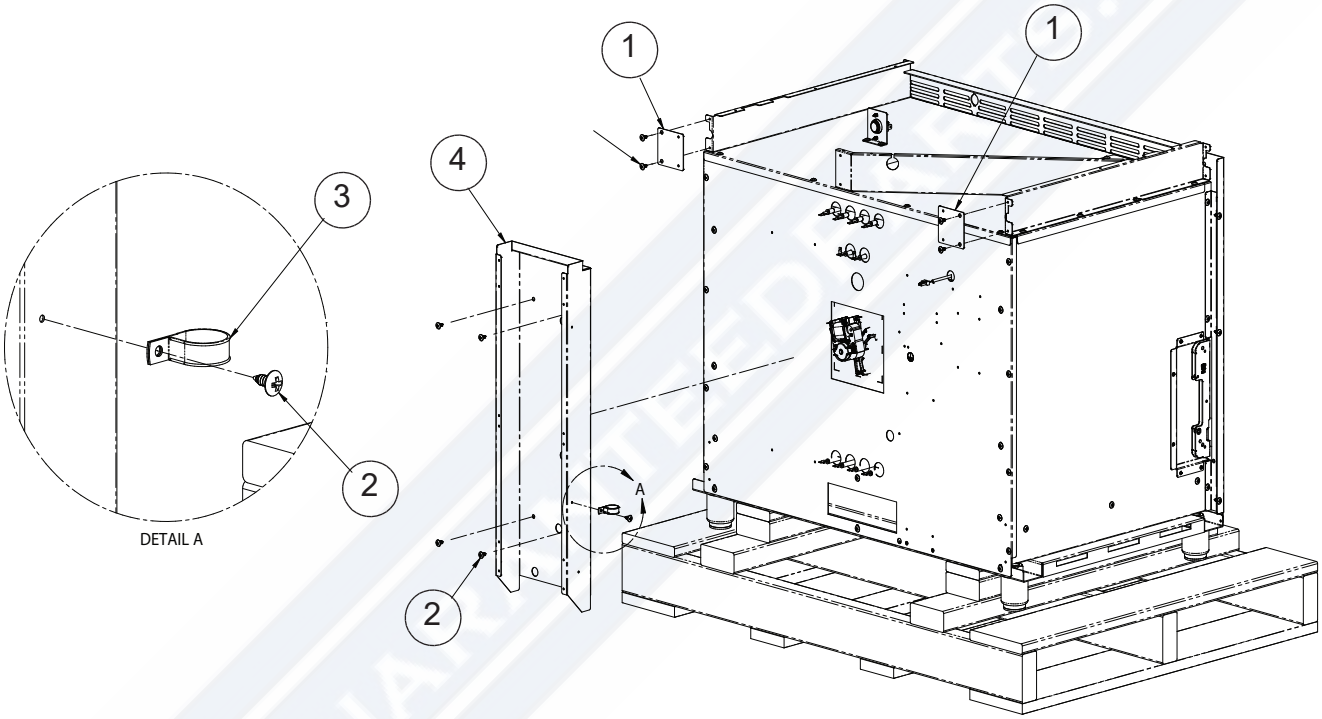


Cooling Fan BSDF36

Reference Number	Part Number	Part Name	Quantity
1	195138	BOX, COOLING FAN	1
2	799087	COOLING FAN	1
3	100052	PLATE, MOUNTING SGL FAN	1
4	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	13
5	195167	DUCT, COVER	1

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Cooling Fan Duct BSDF36

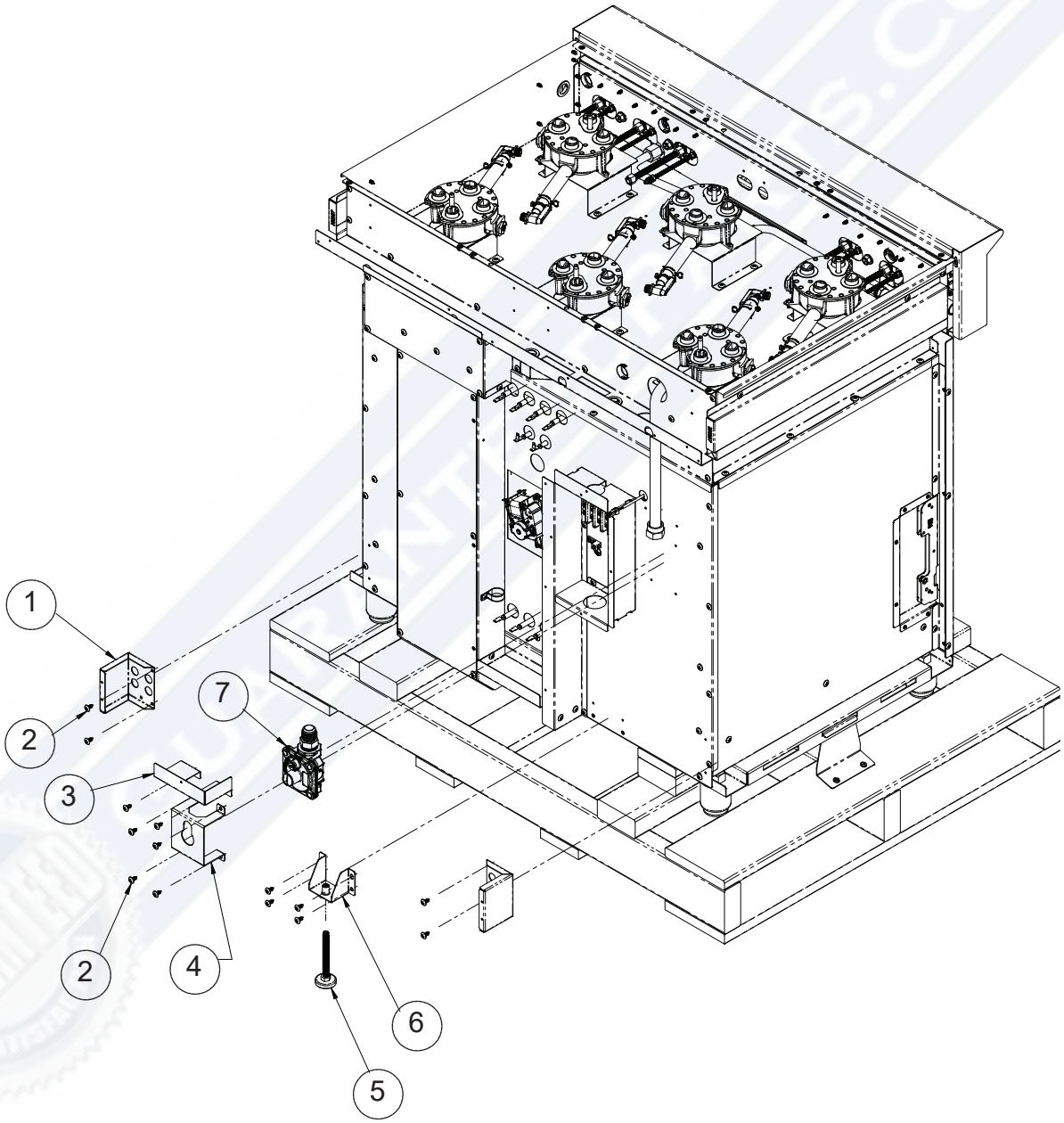


Cooling Fan Duct BSDF36

Reference Number	Part Number	Part Name	Quantity
1	195226	REAR AIR COVER	2
2	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	8
3	300109	1" RUBBER LOOP CLAMP	1
4	195166	DUCT, COOLING FAN	1

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Gas Regulator BSDF36

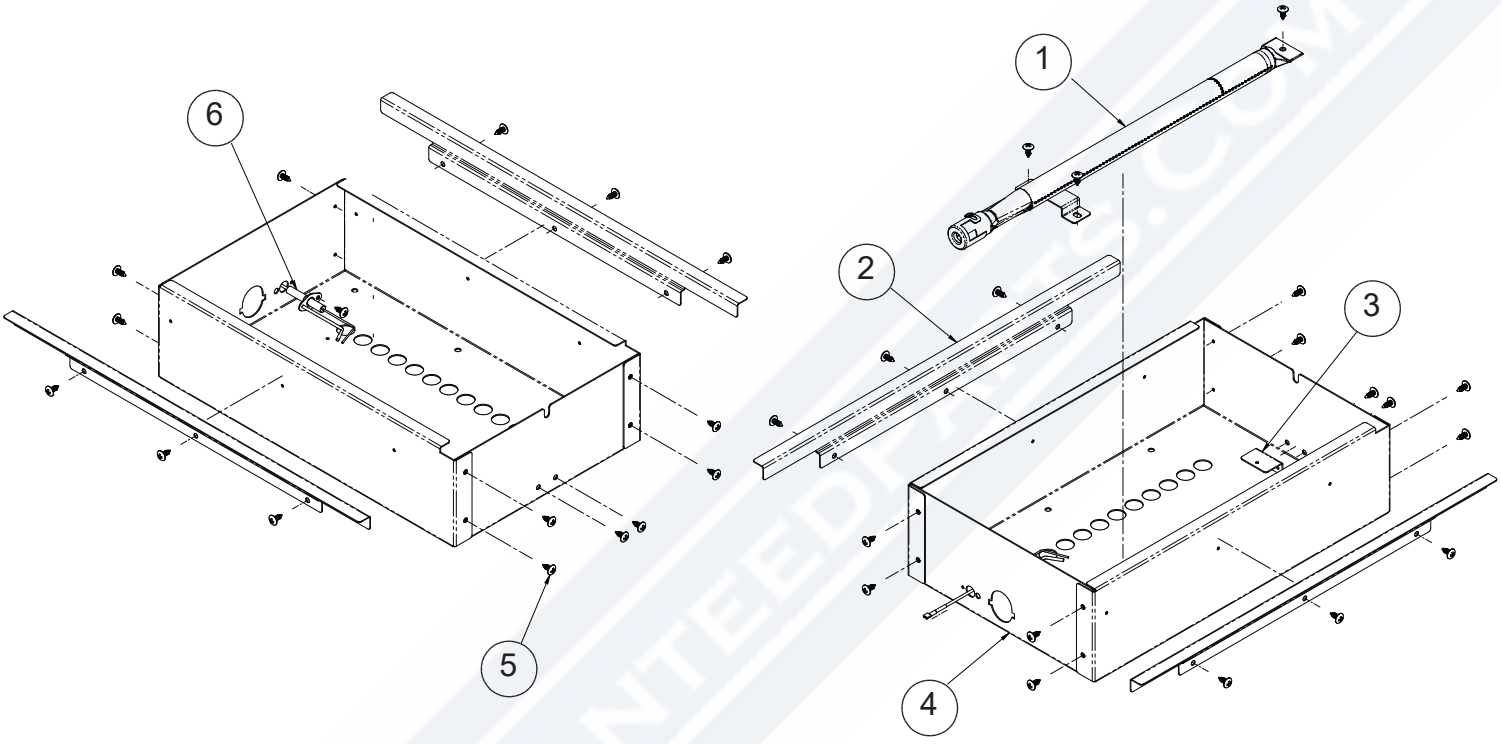


Gas Regulator BSDF36

Reference Number	Part Number	Part Name	Quantity
1	195256	SIDE PANEL LOWER BRACKET	2
2	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	14
3	195170	COVER, GAS LINE	1
4	195140	BRACKET, REGULATOR	1
5	700621	FOOT, LEVELER, 3/8-16 X 4 1/16	1
6	500162	WELD, BRACKET, ANTI-TIP	1
7	600005	ASM, 3/4IN REGULATOR	1

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Griddle Assembly BSDF364G

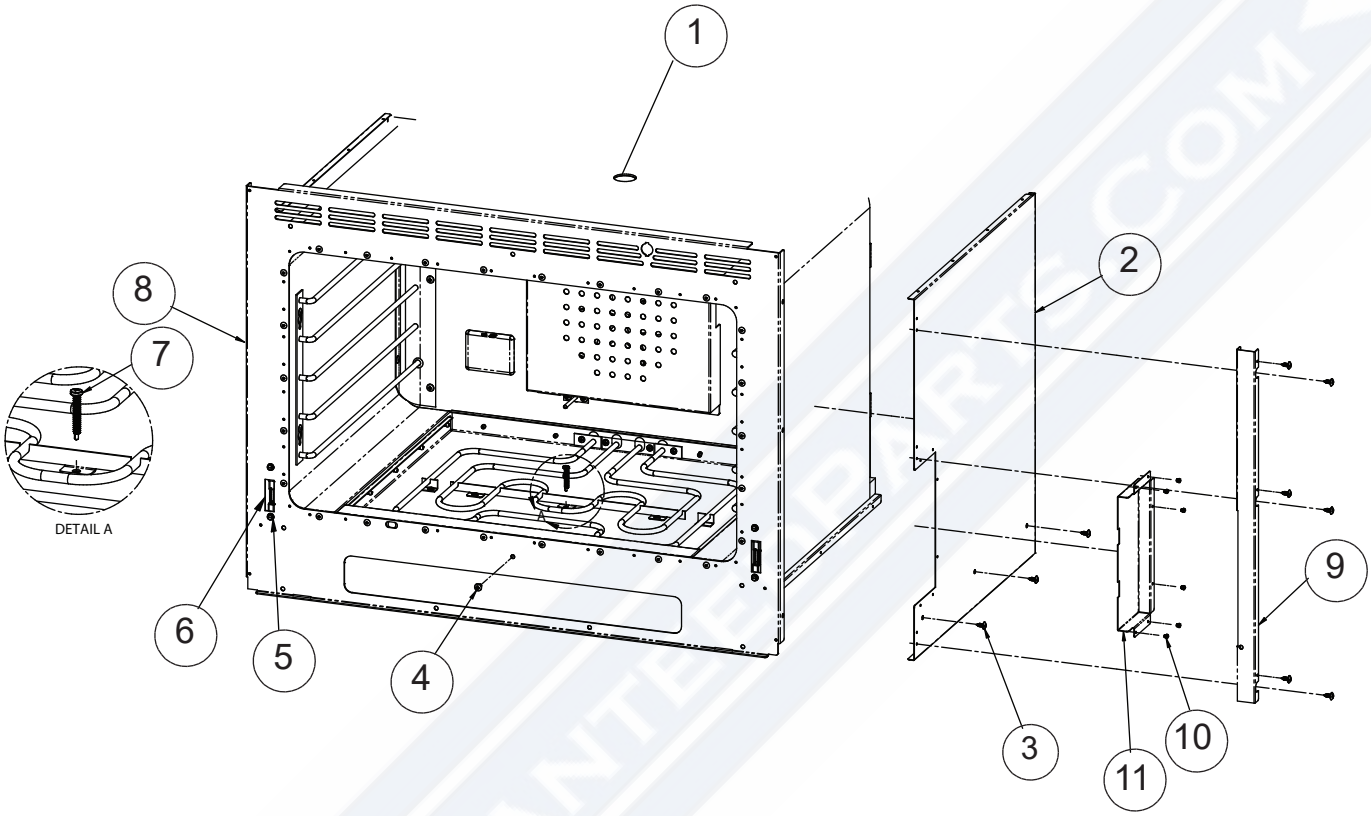


Griddle Assembly BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	700319	BURNER, STRAIGHT TUBE, GRIDDLE	1
2	100100	CHANNEL, SIDE, GRIDDLE BOX	2
3	195224	GRIDDLE BURNER BRACKET	1
4	700319	GRIDDLE BOX	1
5	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	10
6	700234	ELECTRODE, DOUBLE PRONG	1

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Insulation Retainer BSDF36

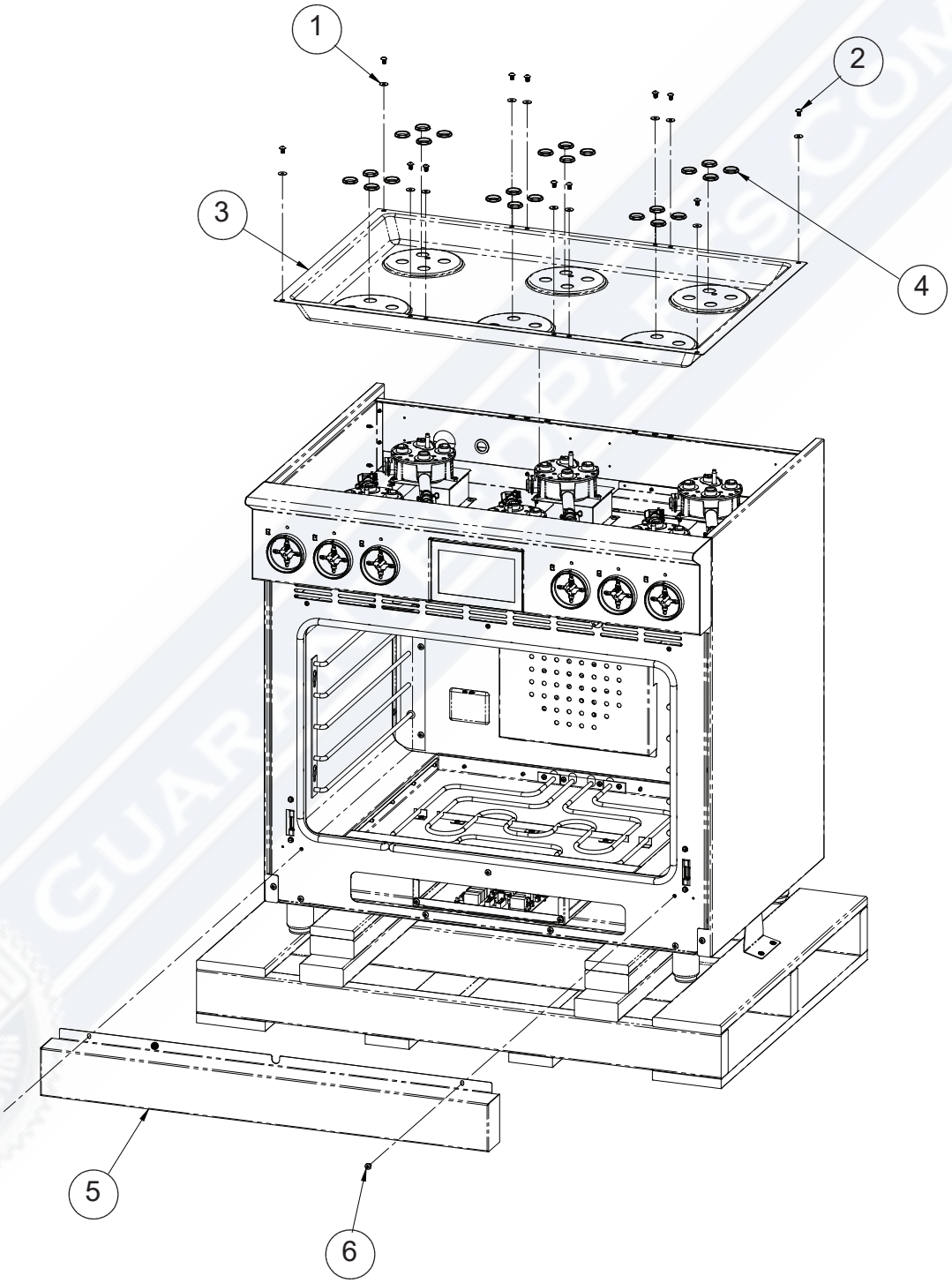


Insulation Retainer BSDF366

Reference Number	Part Number	Part Name	Quantity
1	700144	LIMIT SWITCH, HIGH TEMP	1
2	195267	RETAINER, INSULATION, RH SIDE	1
3	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	6
4	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	3
5	700039	RECIEVER, HINGE STANDARD	2
6	301511	SCR. 10-24 X 3/8" HWH TRI-LOBE SS	4
7	300058	SCREW-10-16 x 1 1/2 DRILLING	1
8	195266	RETAINER, INSULATION, LH SIDE	1
9	195281	BRACKET, FRT FRAME RIGHT	1
10	303902	RIVET, #41, 1/8IN SS	6
11	195268	POCKET, RECEIVER, HINGE	2

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Kick Panel BSDF36

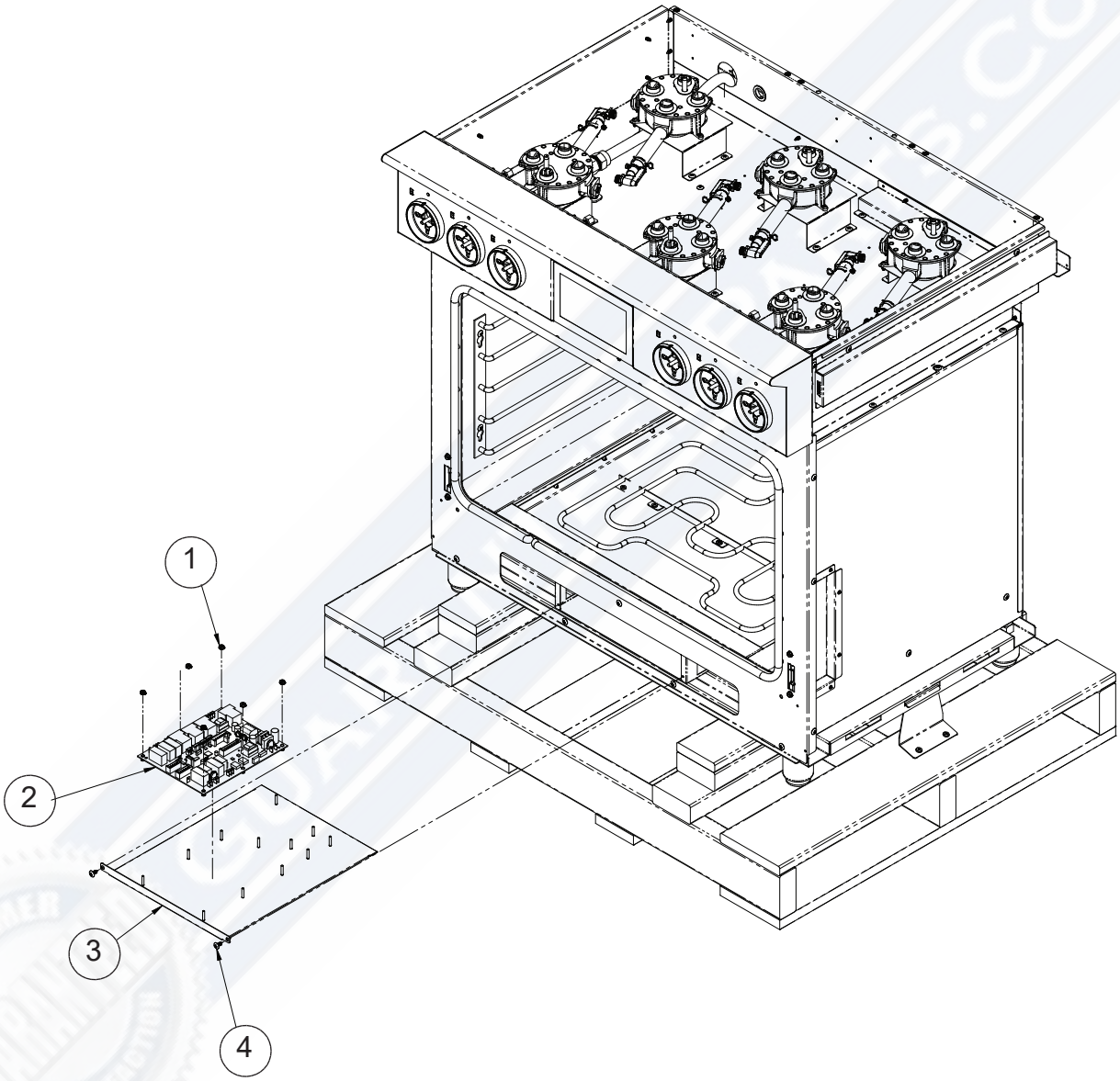


Kick Panel BSDF36

Reference Number	Part Number	Part Name	Quantity
1	310116	WASHER, #10, BLK-OXIDE	12
2	310115	SCREW, MACH, 10-24 x .375, TH,	12
3	700287	BURNER BOWL, STAMPED, 6B	1
4	700200	INJECTOR HOLDER NUT	24
5	195179	KICK PANEL, 36IN	1
6	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2

GUARANTEEDPARTS.COM

Main Control Board BSDF36

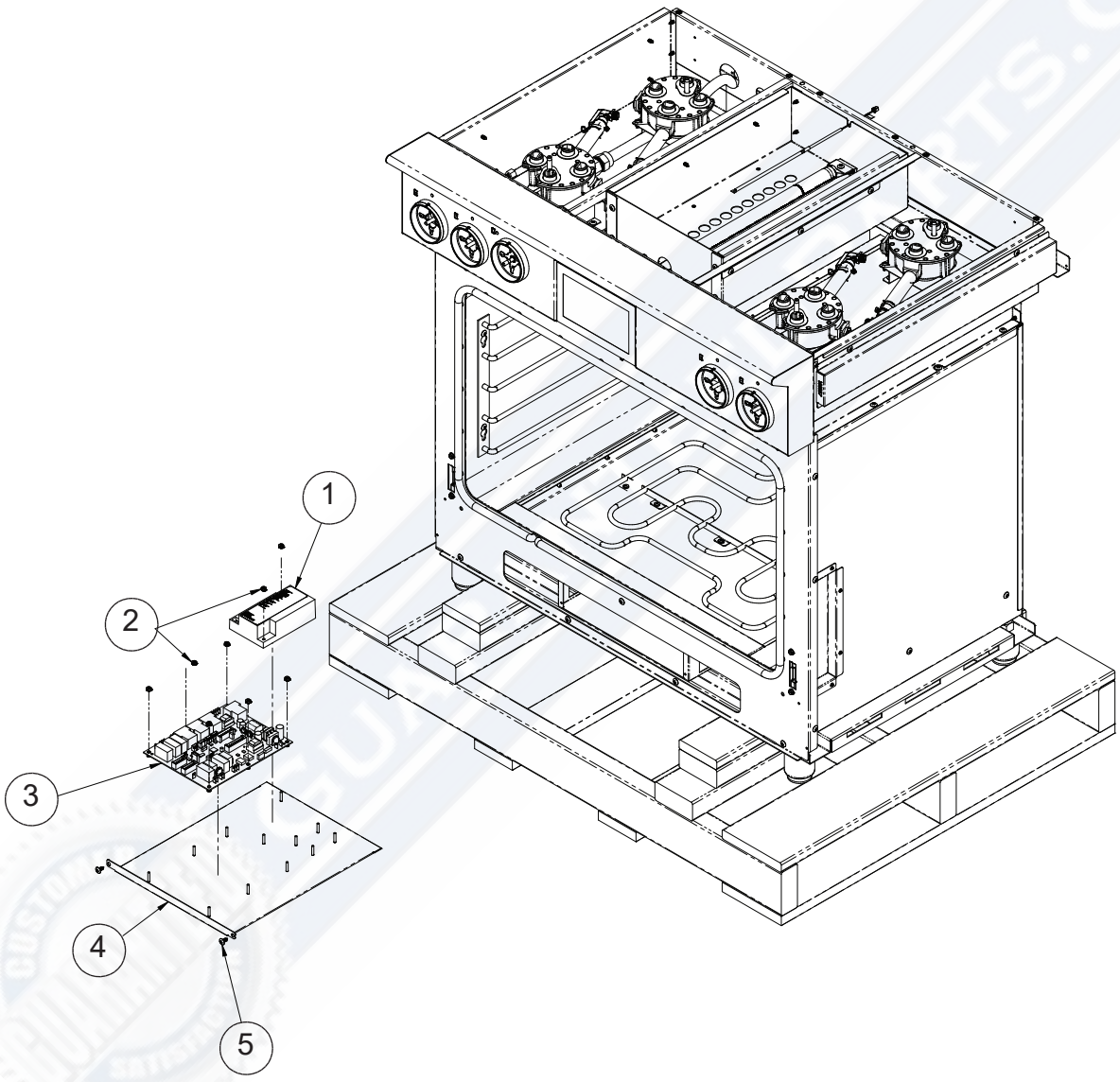


Main Control Board BSDF36

Reference Number	Part Number	Part Name	Quantity
1	300601	KEP NUT 6-32	6
2	700197	PCB ASSEMBLY, EOCU	1
3	600004	PLATFORM W/ STUDS, RELAY BOARD	1
4	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2

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Main Control Board BSDF364G

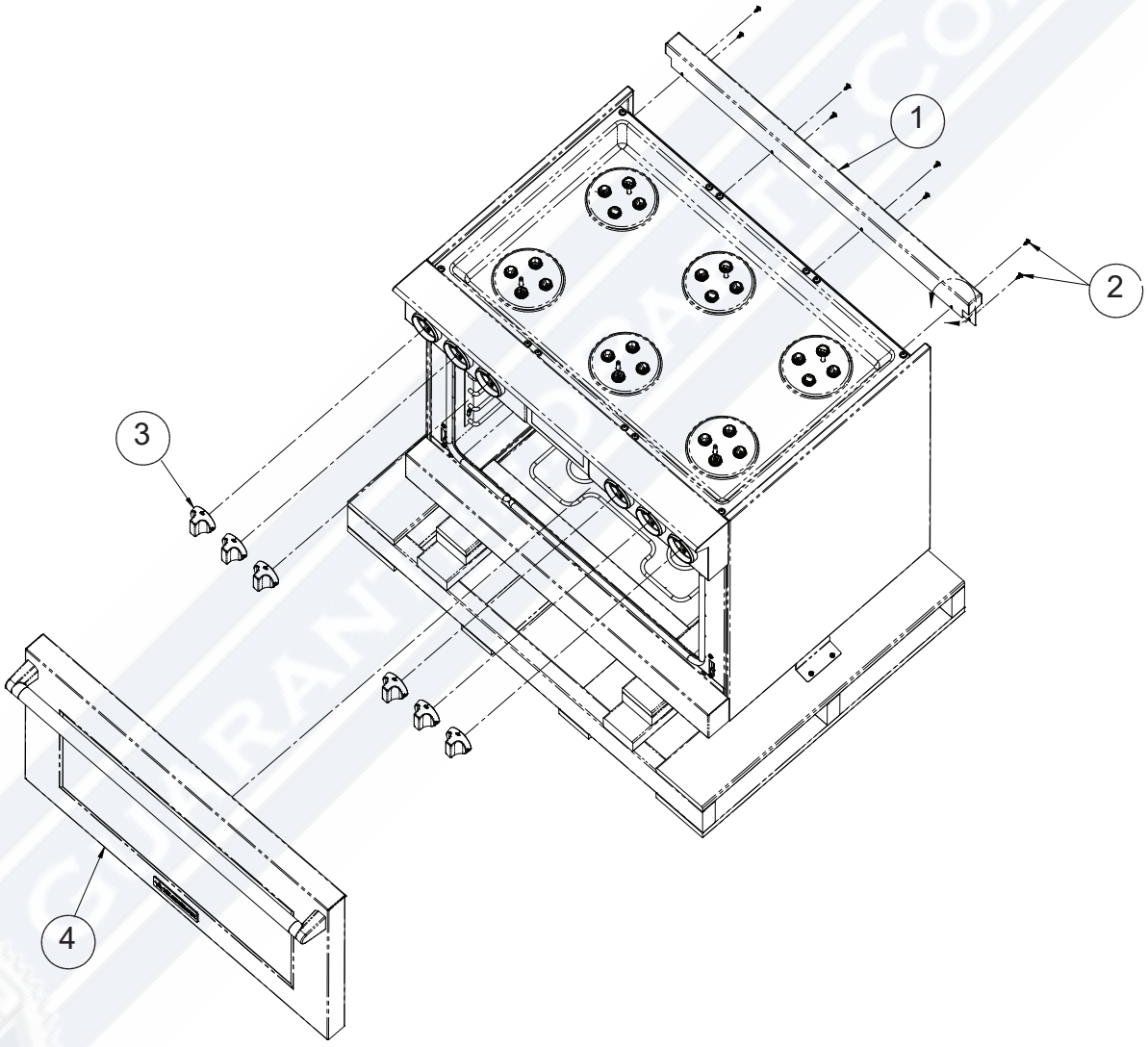


Main Control Board BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	700198	SPARK CONTROL MODULE, GRIDDLE	1
2	300601	KEP NUT 6-32	8
3	700197	PCB ASSEMBLY, EOCU	1
4	600004	PLATFORM W/ STUDS, RELAY BOARD	1
5	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2

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Oven Door / Knobs BSDF36

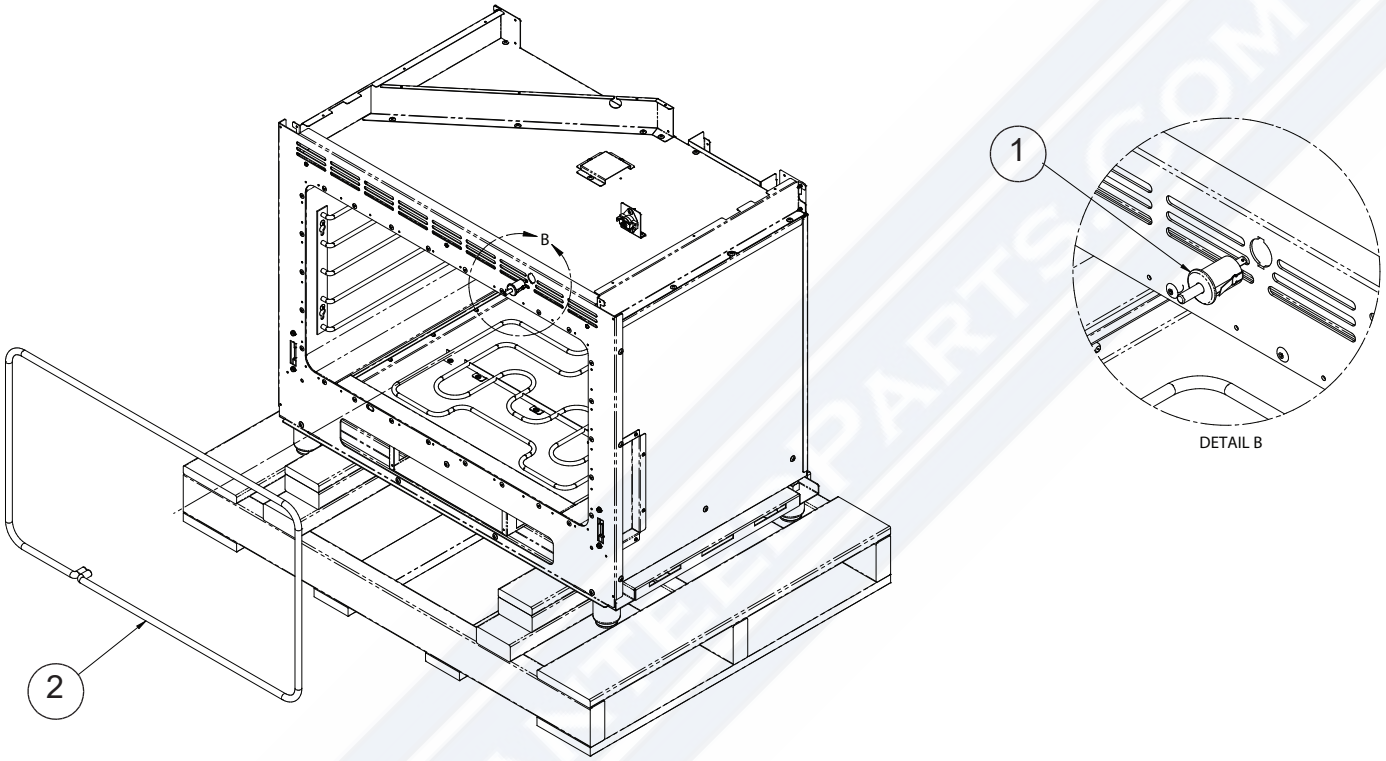


Oven Door / Knobs BSDF36

Reference Number	Part Number	Part Name	Quantity
1	100485	BACKGUARD, GRATE HEIGHT, 36IN	1
2	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	8
3	700483	KNOB ASM, 7U DUAL, BRUSH SS	6
4	600076	36IN DOOR ASSEMBLY	1

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Oven Gasket BSDF36

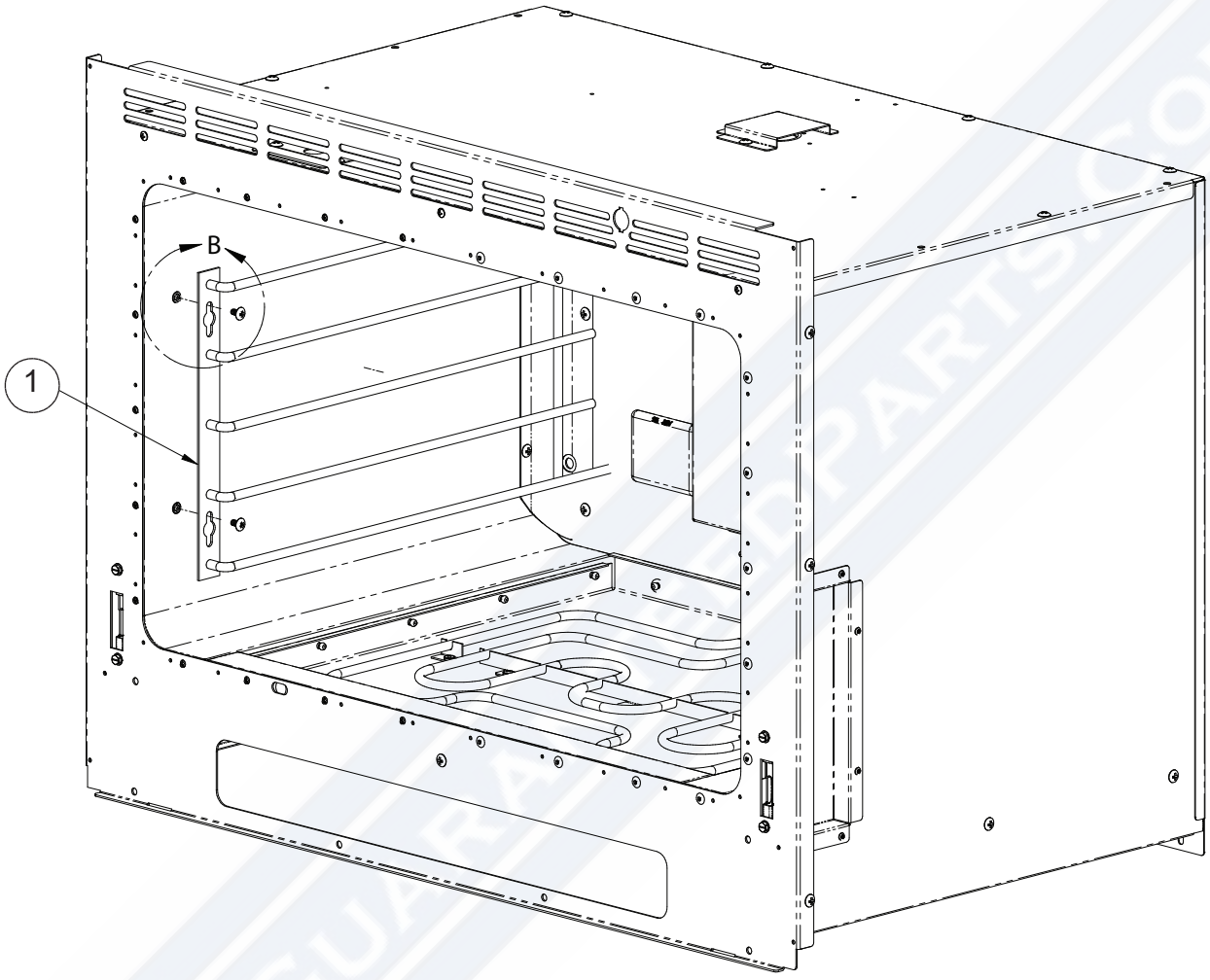


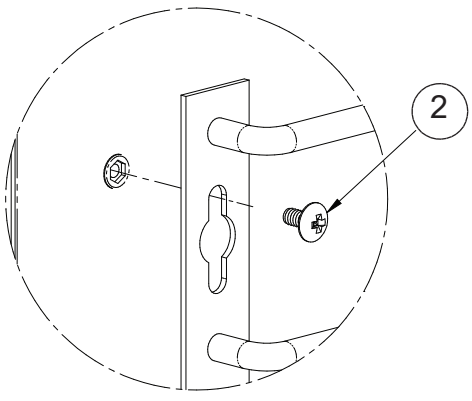
Oven Gasket BSDF36

Reference Number	Part Number	Part Name	Quantity
1	700399	SWITCH, PLUNGER, OVEN DOOR	1
2	799080	Gasket, Wall oven 36"	1

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Oven Rack Guide BSDF36





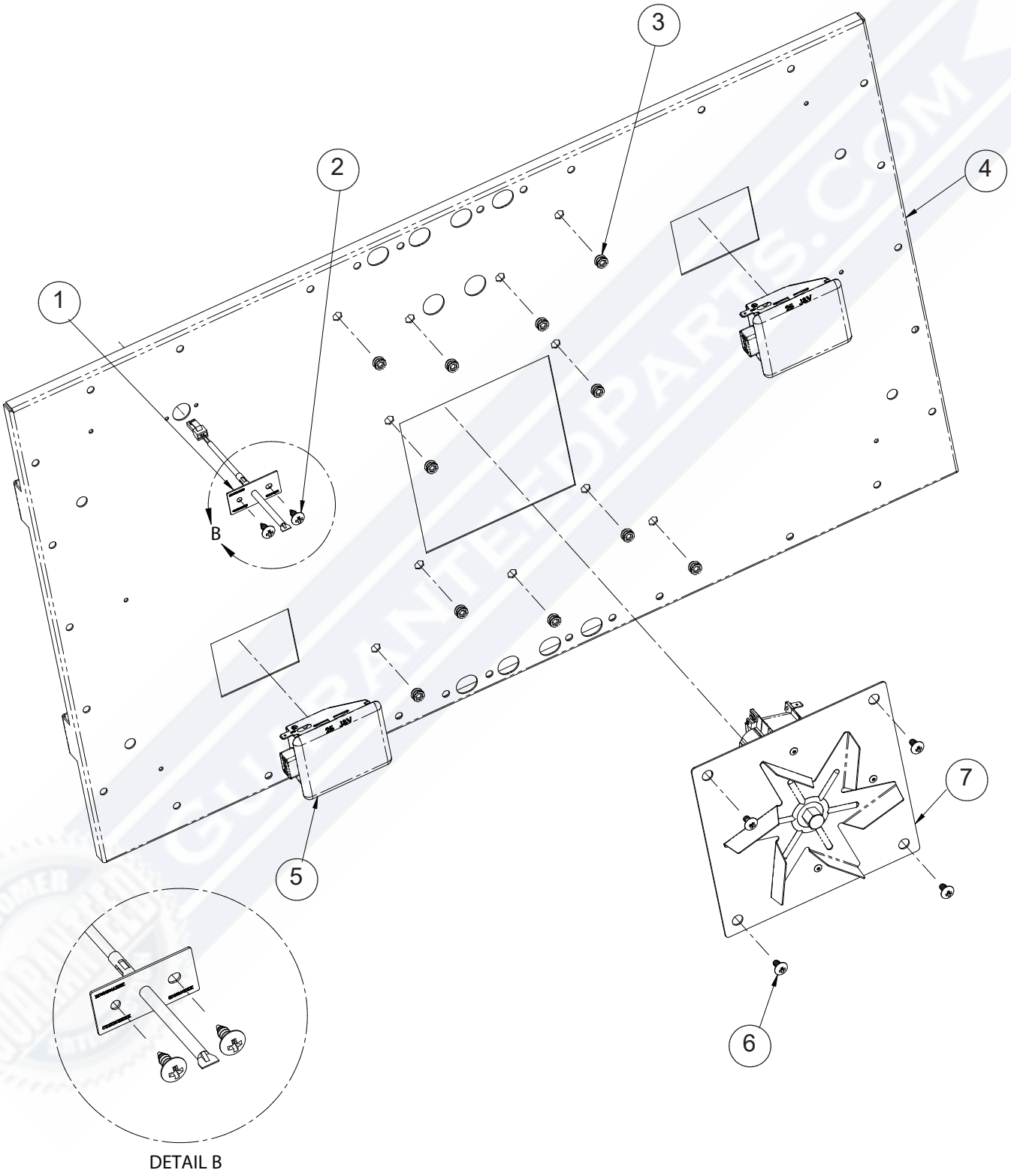
DETAIL B

Oven Rack Guide BSDF36

Reference Number	Part Number	Part Name	Quantity
1	799075	OVEN RACK GUIDE 5 POSITION	2
2	304202	10-24 x 3-8 SS Truss Head	4

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Rear Cavity Back BSDF36

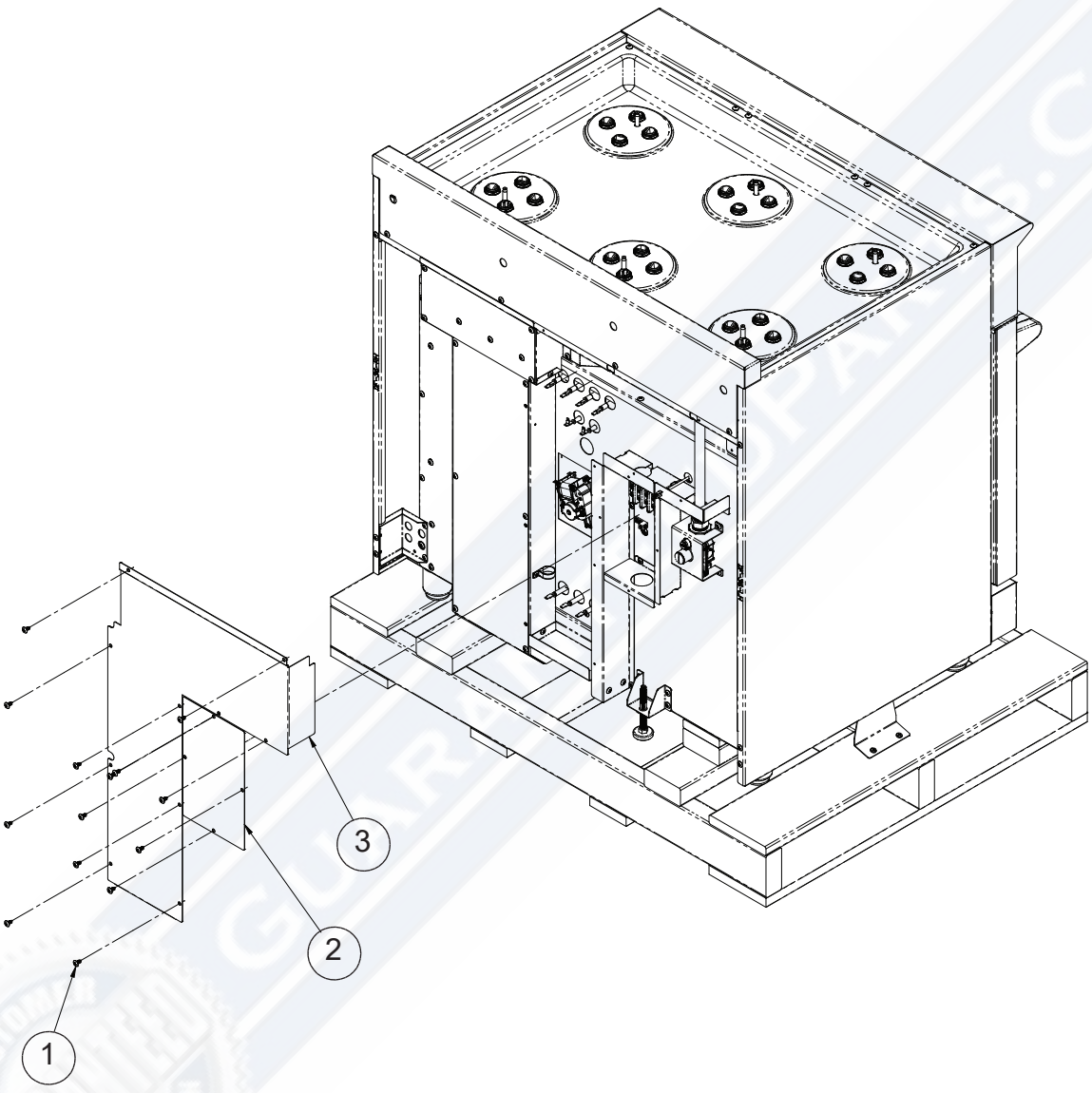


Rear Cavity Back BSDF36

Reference Number	Part Number	Part Name	Quantity
1	799206	OVEN RTD PROBE	1
2	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	2
3	306406	10-24 HX INC ZC (AVK	11
4	100518	REAR, CAVITY, OVEN, 36IN	1
5	710047	OVEN LIGHT, NARROW	2
6	304202	10-24 x 3-8 SS Truss Head	4
7	600077	ASM, CONVECTION FAN, EBM	1

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Rear Cover BSDF36

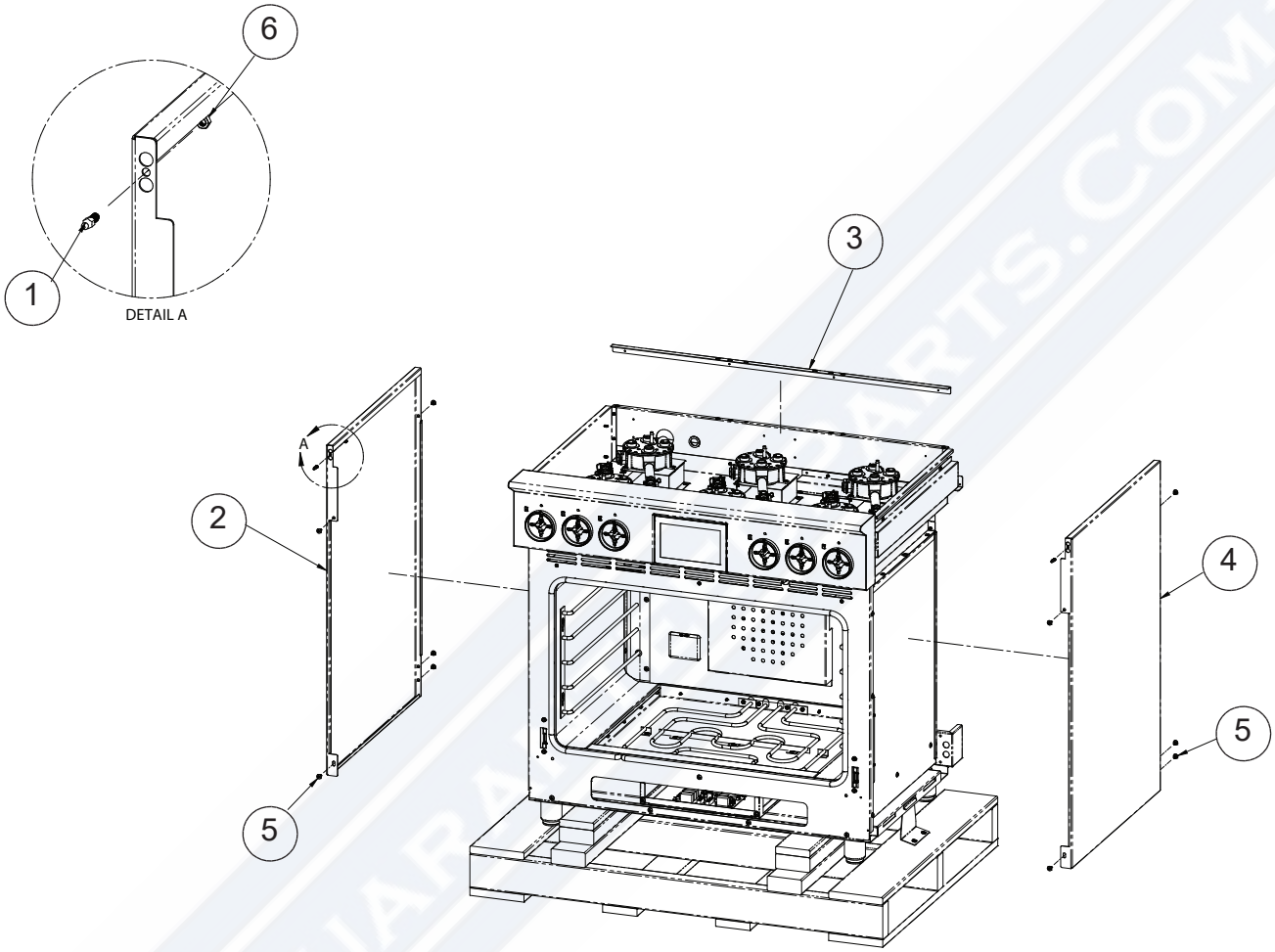


Rear Cover BSDF36

Reference Number	Part Number	Part Name	Quantity
1	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	12
2	195169	COVER, ELECTRICAL	1
3	100474	COVER, REAR, MAIN	1

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Side Panels BSDF36

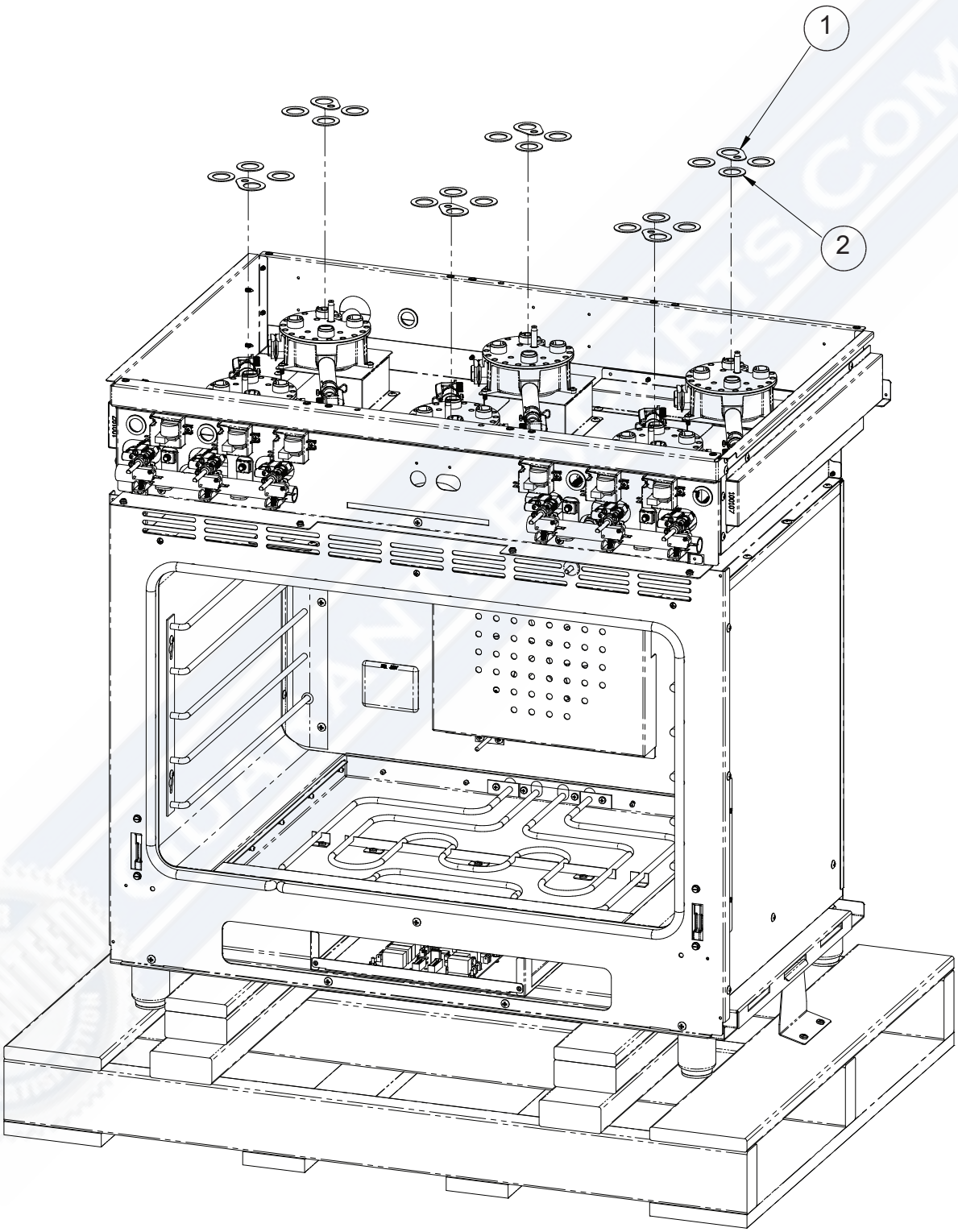


Side Panels BSDF36

Reference Number	Part Number	Part Name	Quantity
1	300162	M5 X 12 STUD FOR CLIP	2
2	100494	PANEL, SIDE, LH, 36IN	1
3	100484	L-BRACKET, REAR, COOKTOP, 36IN	1
4	100495	PANEL, SIDE, RH, 36IN	1
5	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	6
6	300173	METRIC HEX NUT M5x0.8	2

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Sub Assembly Gasket BSDF36

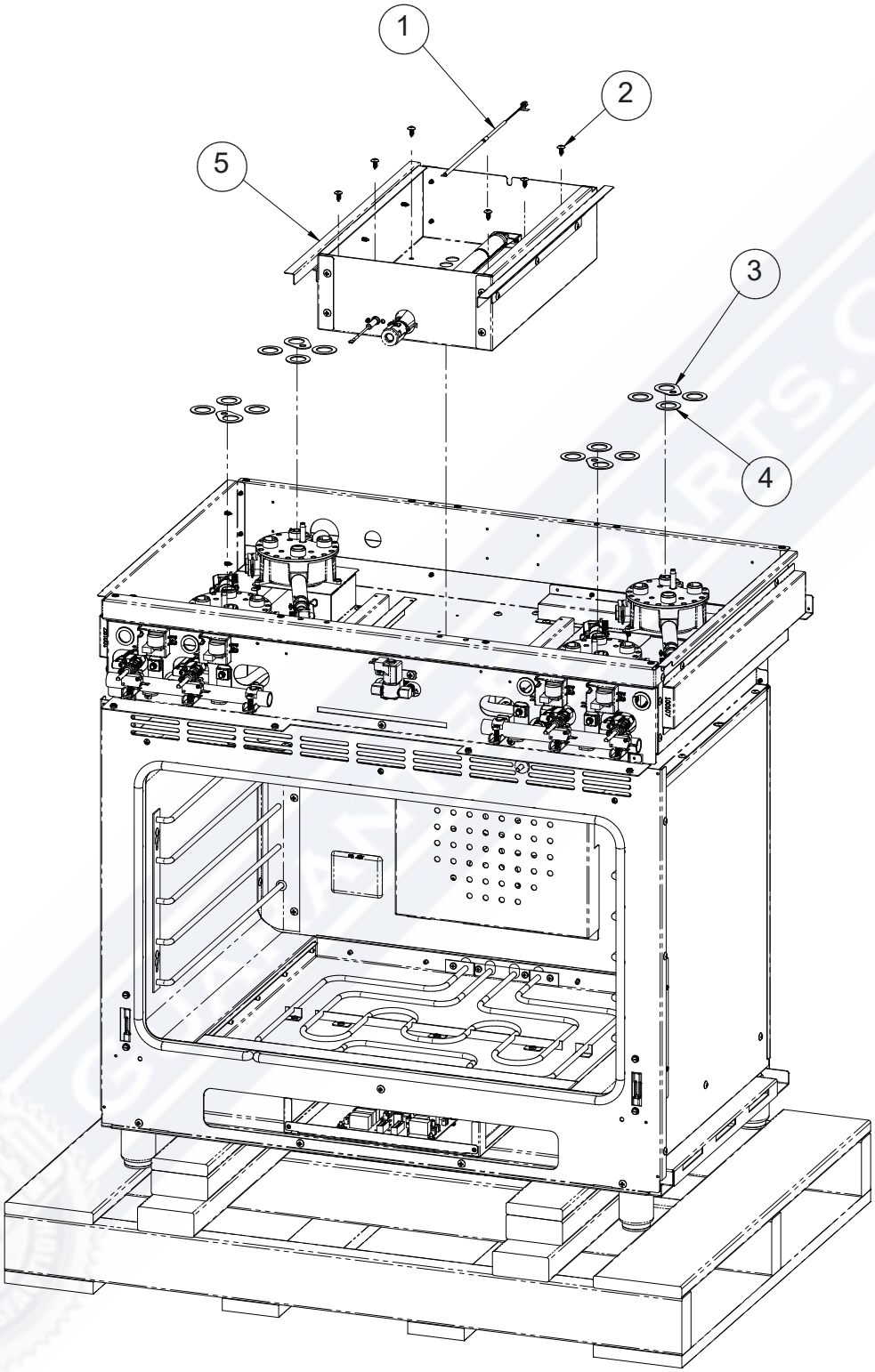


Sub Assembly Gasket BSDF36

Reference Number	Part Number	Part Name	Quantity
1	700233	GASKET, STAR BURNER ELECTRODE	6
2	700119	GASKET, STAR BURNER GAS OUTLET	18

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Sub Assembly Griddle Range BSDF364G

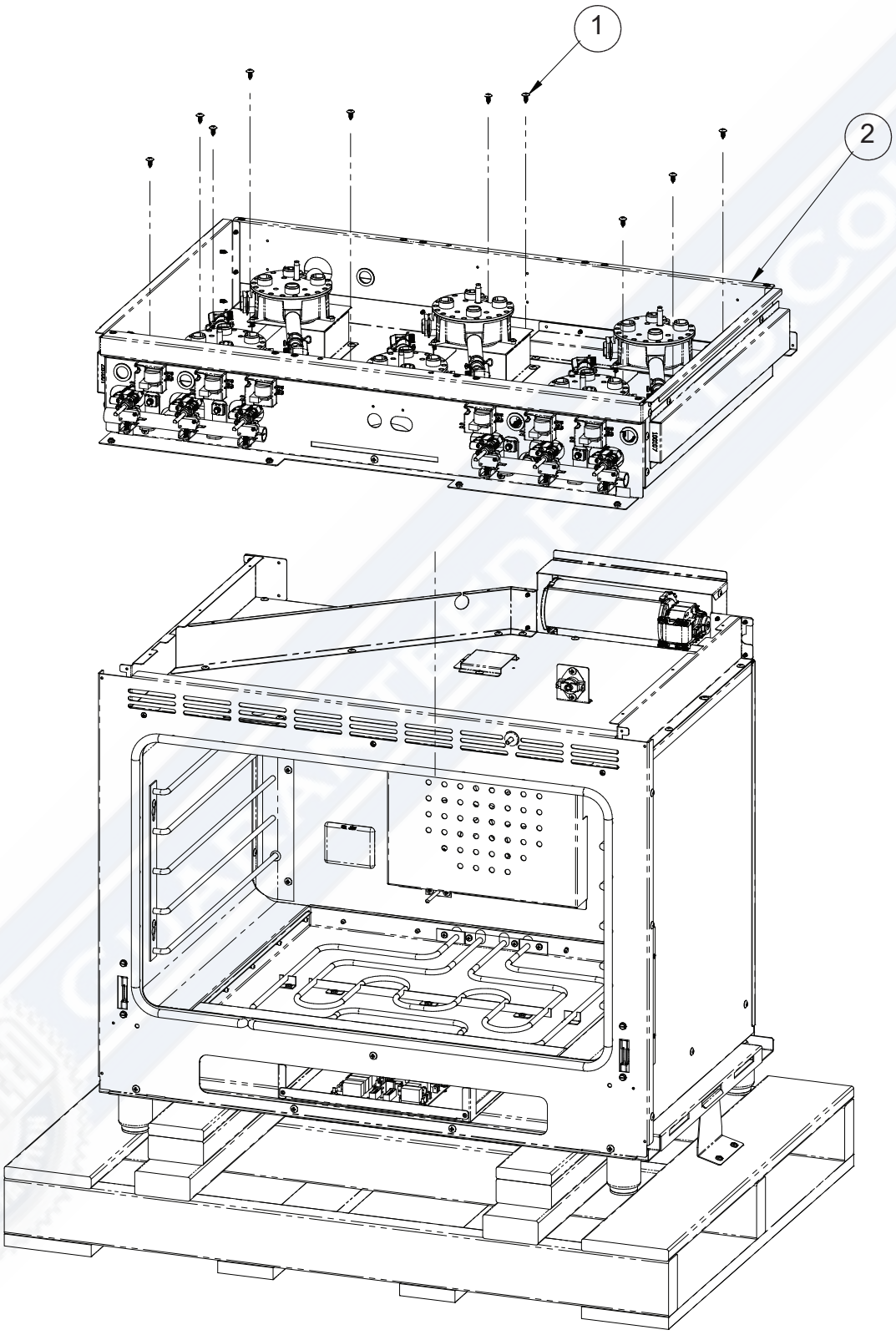


Sub Assembly Griddle Range BSDF364G

Reference Number	Part Number	Part Name	Quantity
1	799026	RTD PROBE, JST CONNECTOR, GRIDDLE	1
2	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	6
3	700233	GASKET, STAR BURNER ELECTRODE	4
4	700119	GASKET, STAR BURNER GAS OUTLET	12
5	900143	ASM, GRIDDLE BOX, 11IN	1

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Sub Assembly Range BSDF36

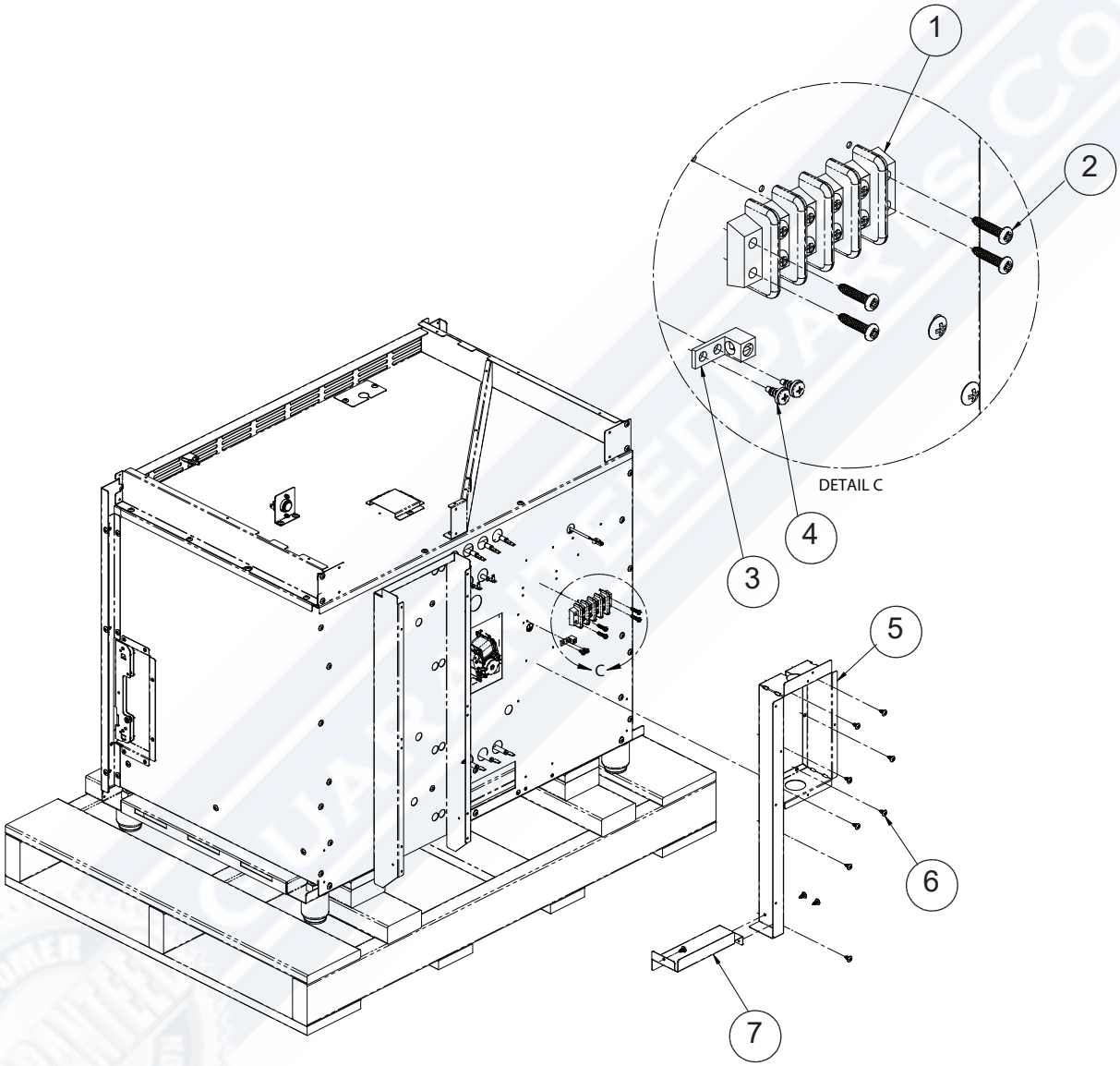


Sub Assembly Range BSDF36

Reference Number	Part Number	Part Name	Quantity
1	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	33
2	900255	ASM, COOKTOP, 6B, NG, 36IN	1

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Terminal Block BSDF36

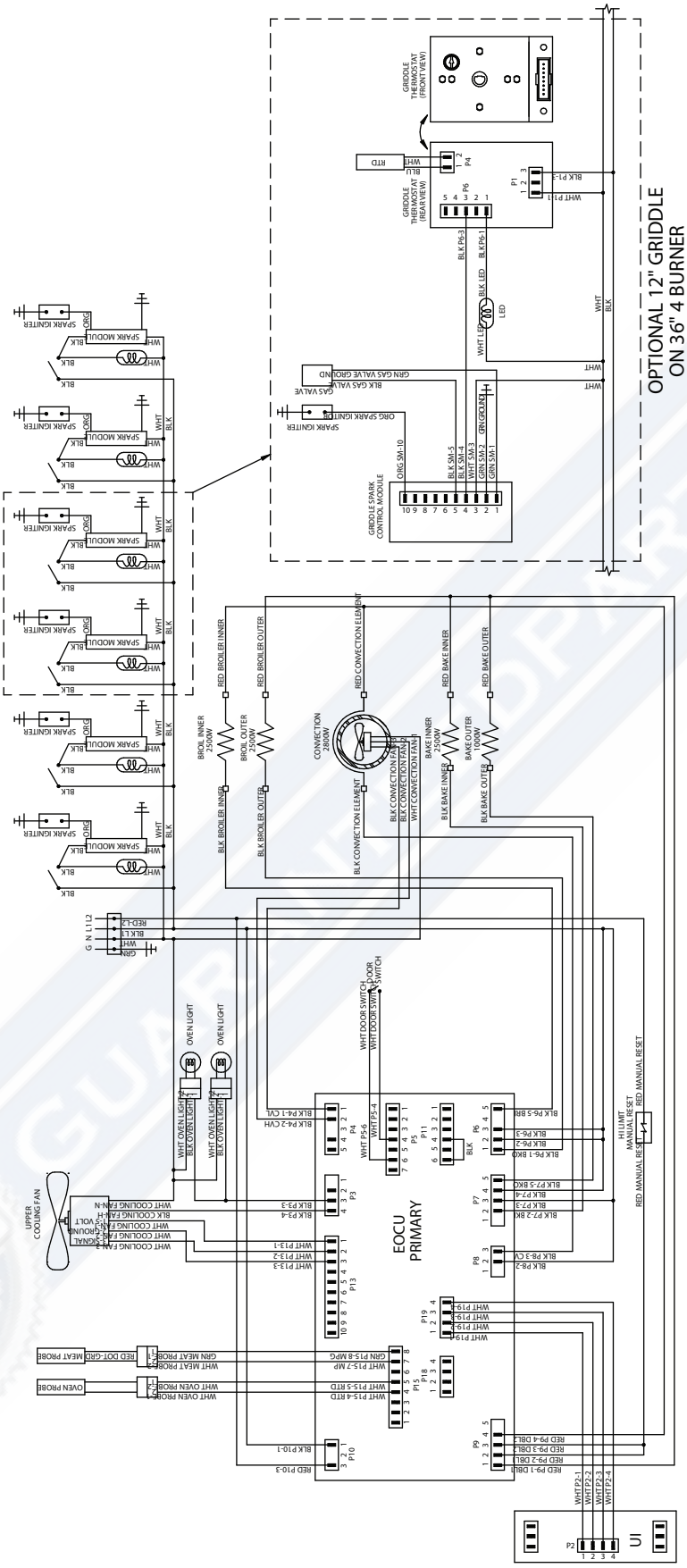


Terminal Block BSDF36

Reference Number	Part Number	Part Name	Quantity
1	799220	TERMINAL BLOCK 4 POLE 50 AMP	1
2	303212	#8 X 3/4 SHEET METAL SCREW	4
3	303213	#8 X 3/8 SHEET METAL SCREW	2
4	700170	GROUNDING LUG	1
5	195139	ENCLOSURE, ELECTRICAL	1
6	303201	SCR. #10 X 1/2" PH TRUSS HD ZP	10
7	100047	WIRE ROUTING, BOTTOM, LH	1

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Wiring Diagram BSDF36*



FAULT CODES

Table of Fault Codes, reason for error, effect of Fault Code detection, Possible Causes and Fixes, and displayed error:

DISPLAY	ERROR	EFFECT	CAUSES	FIX	ERROR DISPLAYED
F20	Communication error between boards	Prevents operation of oven(s)	Board malfunction, wiring issue	Call Customer Service	F20 Control Error
F40	Oven Temp Sensor (RTD) Error	Cancels cooking mode, stops operation of oven(s)	Temperature sensor malfunction, wiring to temperature sensor disconnected	Call Customer Service	Control Error F40
F50	Meat Probe Error	Prevents operation of meat probe.	Cut wire, defective connector, shorted or defective probe detected. Low resistance value.	Call Customer Service	Probe Error F50
F60	Cooling Fan Error	Door is very hot, oven heating elements not operating	Cooling fan malfunction (not turning or turning too slow)	Call Customer Service	Fan Error F60
F80	Over Temperature Error	Oven door or exterior surfaces are very hot	Internal oven temperature 600° or higher	Call Customer Service	Temp Error F80
PROBE	Meat probe not detected	Prevents PROBE mode from starting	Meat probe not detected	Insert Meat Probe	PROBE NOT DETECTED
Probe Out of Range	Probe temperature setting is out of acceptable range	Prevents start of PROBE cooking mode	Temperature set point is input below 90° F or above 200° F	Re-enter Probe Set temperature	Display: “Set temp between 90° F and 200° F”
Temp Out of Range	Temperature setting is out of acceptable range	Temp set point is input below 100° F or above 500° F	Prevents start of cooking mode	Re-enter oven set temperature	Display: “Set between 100° F and 500° F”
PROBE	Meat probe detected when starting BROIL or CLEAN	BROIL or CLEAN will not start with probe inserted to prevent damage to probe	Meat probe detected	Remove Meat Probe. Restart mode.	Remove Probe