

Section 12 - REPLACEMENT PARTS

Use only genuine LAARS replacement parts.

12.1 General Information

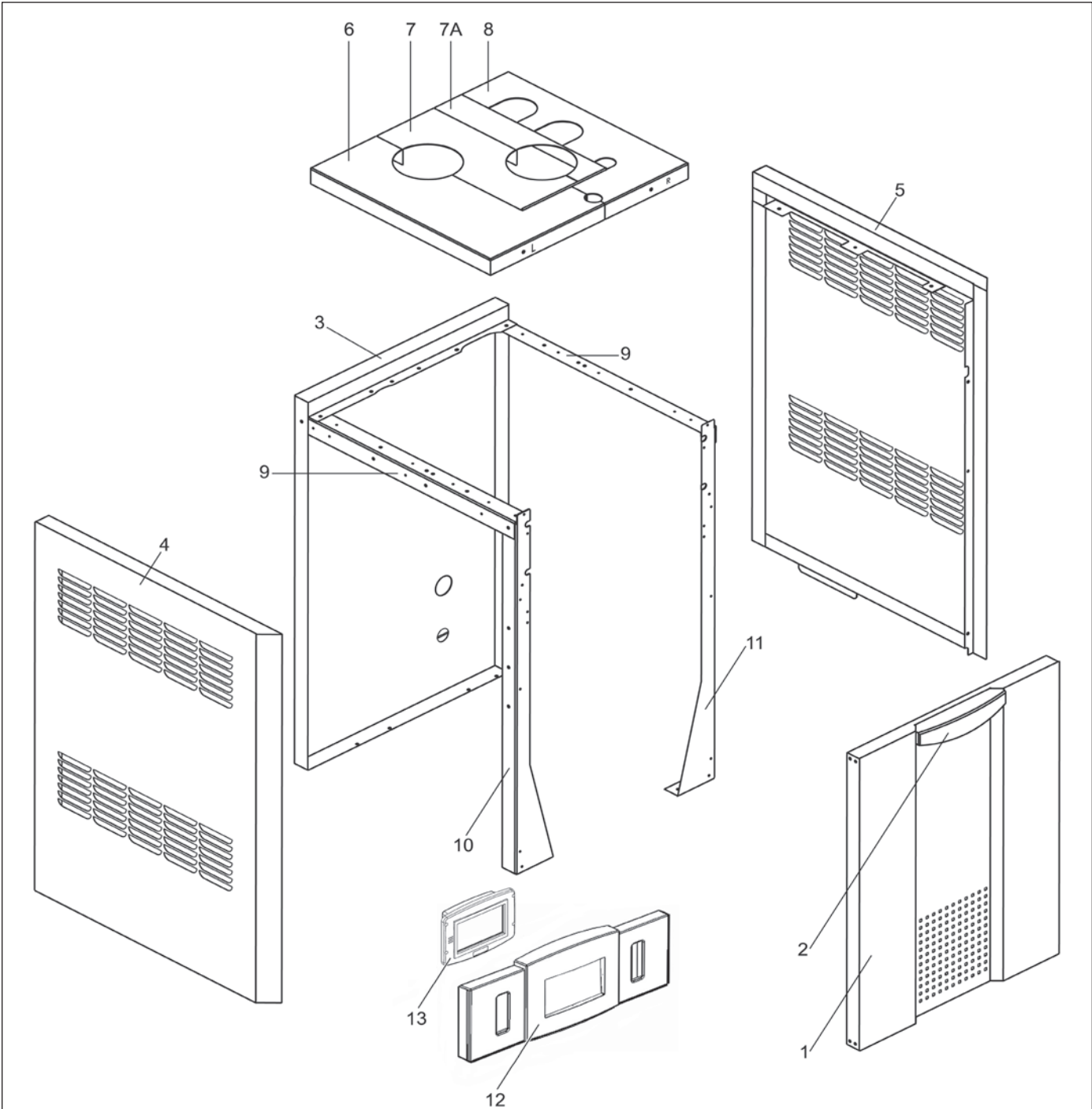
To order or purchase parts for the LAARS NeoTherm, contact your nearest LAARS dealer or distributor. If they cannot supply you with what you need, contact Customer Service. (See the back cover for the address, telephone and fax numbers.)

12.2 Parts List

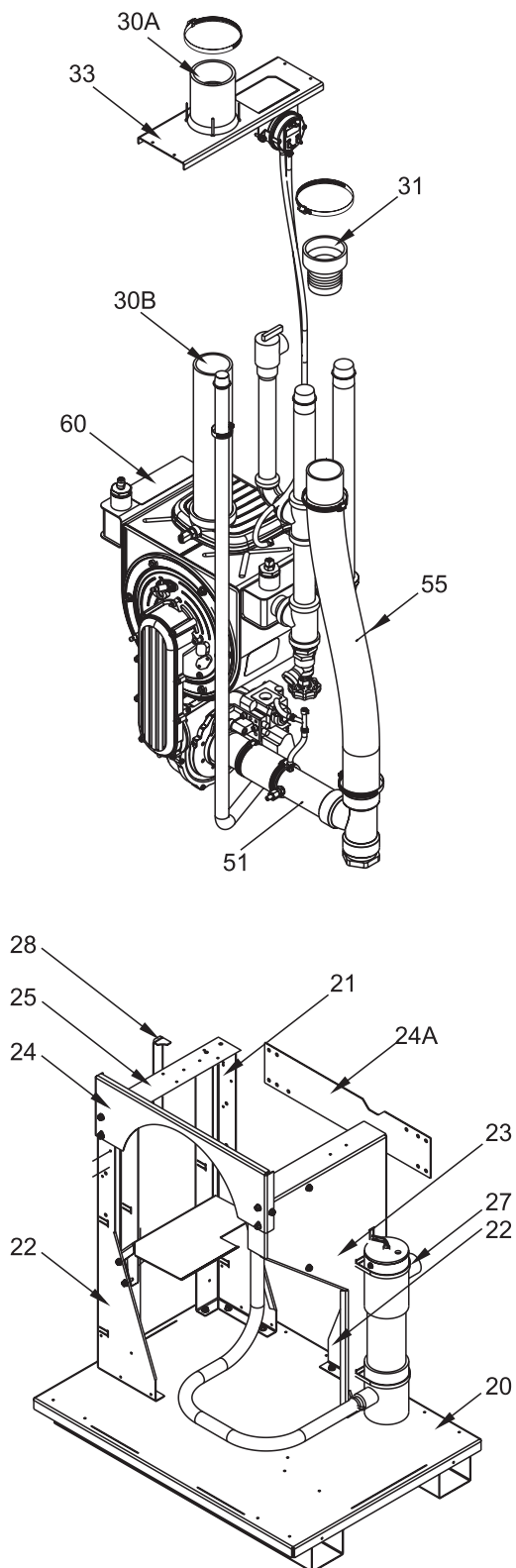
ITEM	DESCRIPTION	SIZE NTH 210 NTV 199	SIZE NTH 285 NTV 285	SIZE NTH 399 NTV 399	SIZE NTH 500 NTV 500	SIZE NTH 600 NTV 600	SIZE NTH 750 NTV 750	SIZE NTH 850 NTV 850
Jacket Components – See Figure 63								
1	Front Panel Assembly	R60D3200	R60D3200	R60D3201	R60D3202	R60D3202	R60D3202	R60D3202
2	Front Panel Handle	R50D3204	R50D3204	R50D3204	R50D3204	R50D3204	R50D3204	R50D3204
3	Rear Panel	R50D3101	R50D3101	R50D3101	R50D3101	R50D3101	R50D3101	R50D3101
4	Left Side Panel	R19D3002/	R30D3002	R40D3002	R50D3002	R50D3002	75D3002	85D3002
					R20D3002			
5	Right Side Panel	R30D3001	R30D3001	R40D3001	R50D3001	R50D3001	75D3001	85D3001
6	Left Top Panel	R20D3303	30D3312	R40D3303	50D3308	60D3303	75D3303	85D3303
7	Middle Left Top Panel	20D3403	30D3311	40D3401	50D3401	60D3302	75D3302	85D3302
7A	Middle Right Top Panel	20D3402	30D3313	—	—	—	—	—
8	Right Top Panel	R20D3301	30D3314	40D3402	50D3402	60D3301	75D3301	85D3301
9	Jacket Angle Support	R30D3102 (2)	R30D3102 (2)	R40D3102 (2)	R50D3102 (2) NTH R51D3102 (2) NTV	R50D3102 (2)	75D3102 (2)	85D3102 (2)
10	Jacket Support, Left Stanchion	R50D3003	R50D3003	R50D3003	R50D3003	R50D3003	R50D3003	R50D3003
11	Jacket Support, Right Stanchion	R50D3004	R50D3004	R50D3004	R50D3004	R50D3004	R50D3004	R50D3004
12	Front Bezel	R50D7121	R50D7121	R50D7121	R50D7121	R50D7121	R50D7121	R50D7121
13	Touchscreen Display	E2339800	E2339800	E2339800	E2339800	E2339800	E2339800	E2339800
Internal Components – See Figure 64								
20	Base Assembly	R15D1100	R30D1100	R40D1100	R50D1100	60D1100	75D1100	85D1100
21	Left Rear Support Stanchion	R50D1001	R50D1001	R50D1001	R50D1001	R50D1001	R50D1001	R50D1001
22	Left Front/Right Rear Support Stanchion	—	R50D1002 (2)	R50D1002 (2)	R50D1002 (2)	R50D1002 (2)	R50D1002 (2)	R50D1002 (2)
23	Cantilevered Base Stanchion	R40D1001	R40D1001	R40D1001	R40D1001	R50D1003	75D1002	75D1002
24	Brace, Front, HX Stanchion	20D1005	85D1005	85D1005	85D1005	60D1005	85D1005	85D1005
24A	Brace, Rear, HX Stanchion	20D1007	R50D1005	85D1005	85D1005	85D1005	85D1005	85D1005
25	Mounting Rail	R30D1004 (2)	R30D1004 (2)	40D1004 (2)	R50D1004 (2)	R50D1004 (2)	75D1004 (2)	85D1004 (2)
26A	Diagonal Brace	—	—	—	—	—	75D1006 (2)	75D1006 (2)
27	Condensate Trap Assy	R20D4020	R50D4020	R50D4020	R50D4020	R2075701	R2075701	R2075701

ITEM	DESCRIPTION	SIZE NTH 210 NTV 199	SIZE NTH 285 NTV 285	SIZE NTH 399 NTV 399	SIZE NTH 500 NTV 500	SIZE NTH 600 NTV 600	SIZE NTH 750 NTV 750	SIZE NTH 850 NTV 850
28	Heat Exch. Rail Clip	— (2)	R50D1006 (2)	—	—	— (2)	—	—
30	PVC Reducer	RP2053000	RP2052900	RP2052800	50D4027	RP2052800	RP2052800	RP2052800
30a	CPVC Reducer or Coupling	RP2065600	—	—	—	—	R75D4020	R75D4020
30b	2" Dia. Pipe, CPVC	RD2010213 NTV RD2010213 NTH	—	—	—	—	—	—
31	Hose Barbed Adapter	RP2056100	RP2056100	—	—	—	—	—
33	Air Inlet/Exhaust Bracket	R20D3120	30D3505	40D3005	85D3005	85D3005	85D3005	85D3005
Gas Train Components – See Figure 65								
40	Combustion Air Blower	RA2114200	RA2114200	RA2113100	RA2113100	R2012101	R2012101	R2012101
41	Gas Valve/Venturi	RV2017903	RV2017904	—	—	—	—	—
42	Gas Valve	—	—	RV2019200	V2019600	V2018500	V2018500	V2018500
43	Gas/Air Venturi	—	—	—	RA2116700	A2115000	A2115000	A2115000
44	Manual Gas Valve	—	—	RV2000200	V2003000	V2003000 (2)	V2003200	V2003200
44A	Manual Gas Valve	—	—	—	RV2000200	—	V2003000	V2003000
45	Gas Valve Flange Kit	—	—	—	RP2050100	RP2050100	RP2050100	RP2050100
46	Gas Valve/Venturi Cork Gasket	—	—	—	RS2104900	RS2104900	RS2104900	RS2104900
47	Gas Valve O-Ring	R30-227	R30-227	—	—	—	—	—
48	Venturi O-Ring	—	—	RS2105200	RS2105200	RS2105200	RS2105200	RS2105200
49	High Gas Pressure Switch	—	—	—	R50D5014	R50D5013	R75D5014	R75D5014
50	Low Gas Pressure Switch	—	—	—	R50D5015	R50D5012	R75D5015	R75D5015
51	Duct/Venturi Transition	R10D5013	R30D5013	—	R50D5017	R60D5052	R60D5052	R85D5052
52	Gas Supply Pipe	RP2051400	RP2051500	P2054300	P2054300	P2054300	P2064200	P2064200
53	Gas Pipe, 3/4" NPT Formed Nipple	—	—	RP2056500	—	—	—	—
55	Air Inlet Flex Hose	D0091401	D0091401	RD0091202	D0091301	RD0091201	RD0091203	RD0091203
56	Air Inlet Collector	—	—	RV2019400	—	—	—	—
57	Electrical Connector w/Cable	—	—	RE2331700	RE2331700	—	—	—
58	Elbow Adapter	—	—	RV2019300	RV2019300	—	—	—
59	Blower Gasket W/Fasteners	—	—	—	—	RS2107500	RS2107500	RS2107500
Heat Exchanger Components – See Figure 66								
60	Heat Exchanger	RS2105700 NTH S2111000 NTV	RS2111100	RS2111200	RS2111300	RS2111300	RS2111400	RS2111500
61	Pump Assembly	R20D4140 NTH 15D4040 NTV	R30D4110 NTH 50D4040 NTV	R40D4110 NTH 50D4040 NTV	R50D4110 NTH 50D4040 NTV	—	—	—
62	Low Water Cutoff Switch	—	—	—	RE2076500	RE2076500	RE2076500	RE2076500

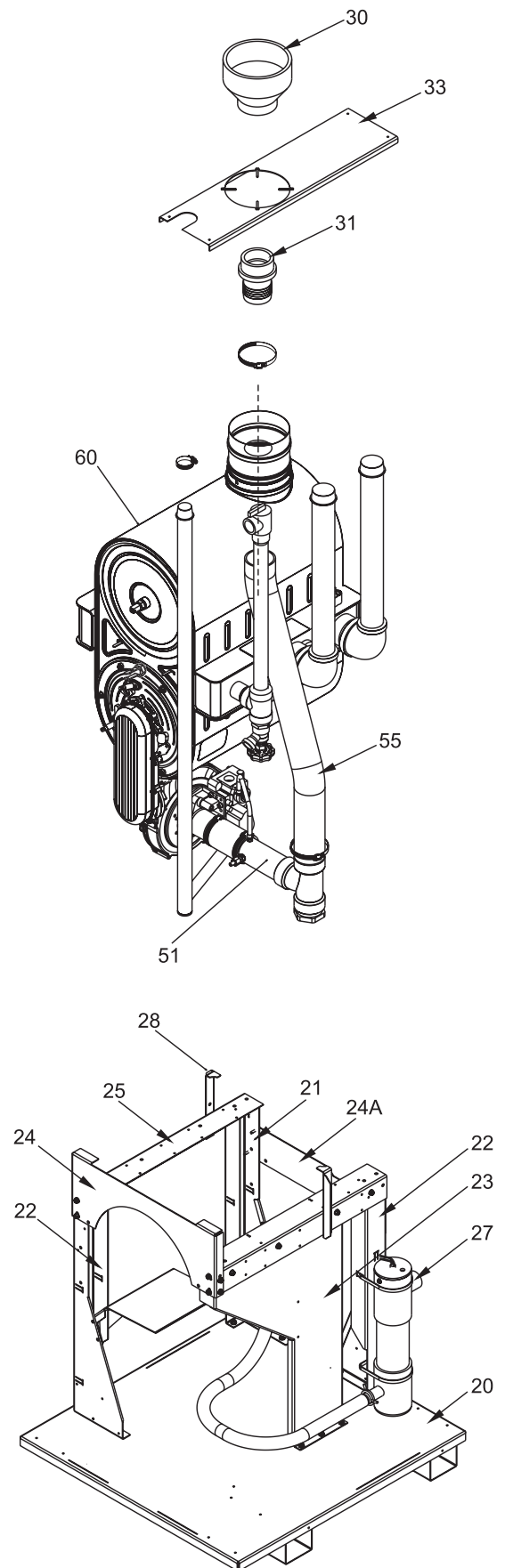
ITEM	DESCRIPTION	SIZE NTH 210 NTV 199	SIZE NTH 285 NTV 285	SIZE NTH 399 NTV 399	SIZE NTH 500 NTV 500	SIZE NTH 600 NTV 600	SIZE NTH 750 NTV 750	SIZE NTH 850 NTV 850
63	Inlet Water Temp Sensor	RE2320600	RE2320600	RE2320600	RE2320600	RE2320600	RE2320600	RE2320600
64	Duplex Outlet Water Temperature Sensor	RE2319900	RE2319900	RE2319900	RE2319900	RE2319900	RE2319900	RE2319900
65	Duplex Stack Temperature Sensor	RE2319700	RE2319800	RE2319800	RE2319800	RE2319800	RE2319800	RE2319800
66	Pressure Relief Valve, NTH	R51-182 (30 PSI)	RA2113602 (75 PSI)	RA2113602 (75 PSI)	RA2113602 (75 PSI)	RA2113602 (75 PSI)	RA2113602 (75 PSI)	RA2113602 (75 PSI)
	Pressure Relief Valve, NTV	A2114802 (125 PSI)	A2114802 (125 PSI)	A2114802 (125 PSI)	A2114802 (125 PSI)	A2114802 (125 PSI)	A2114802 (125 PSI)	A2114802 (125 PSI)
67	Air Vent	R1-592	R1-592	R1-592	R1-592	R1-592	R1-592	R1-592
68	Burner Door w/gasket	RS2112801	RS2112801	RS2112801	RS2112801	RS2112801	RS2115301	RS2115301
68A	Gasket-only (rubber only)	R2069400	R2069400	R2069400	R2069400	R2069400	R2077400	R2077400
69	Burner Gasket	RS2108500	RS2108500	RS2108500	RS2108500	RS2108500	S2113000	S2113000
69A	Gasket Set (burner gasket, ignitor gasket, sensor gasket & rubber door gasket)	RS2109100	RS2109100	RS2109100	RS2109100	RS2109100	R2077600	R2077600
70	Front Refractory Tile	RT2109001	RT2109001	RT2109001	RT2109001	RT2109001	T2110300	T2110300
71	Rear Refractory Tile	R50D2021	R50D2021	R50D2021	R50D2021	R50D2021	R50D2021	R50D2021
72	Main Burner w/gasket	R2069104	R2069105	R2069106	R2069106	R2069107	R2069108	R2069109
73	Flame Sensor w/gasket	R2069200	R2069200	R2069200	R2069200	R2069200	R2071400	R2071400
74	Ignitor w/gasket	R2069300	R2069300	R2069300	R2069300	R2069300	R2071500	R2071500
74A	Ignitor Gasket	RW2013300	RW2013300	RW2013300	RW2013300	RW2013300	RW2013300	RW2013300
74B	Screw, Ignitor/ Flame Sensor	m4-.7X8mm S2112700	m4-.7X8mm S2112700	m4-.7X8mm S2112700	m4-.7X8mm S2112700	m4-.7X8mm S2112700	m4-.7X8mm S2112700	m4-.7X8mm S2112700
74C	Flame/Sensor Gasket	RW2013400	RW2013400	RW2013400	RW2013400	RW2013400	RW2013400	RW2013400
75	Air/Gas Channel (80-600) Air Adapter (750-850)	RS2108700	RS2108700	RS2108700	RS2108801	RS2108801	RS2115400	RS2115400
75A	Screw, Air/Gas Channel	RS2109400 (5)	RS2109400 (5)	RS2109400 (5)	RS2109400 (5)	RS2109400 (5)	RF2029200 (5)	RF2029200 (5)
76	Drain	R10-143	R10-143	R10-143	R10-143	R10-143	R10-143	R10-143
77	Sight Glass	R50D2020	R50D2020	R50D2020	R50D2020	R50D2020	R50D2020	R50D2020
Electrical Components – See Figure 67								
80	Control Panel Enclosure	R50D7001	R50D7001	R50D7001	R50D7001	R50D7001	R50D7001	R50D7001
81	Transformer	RE2108700	RE2108700	RE2108700	RE2108700	RE2108700	RE2108700	RE2108700
82	High Voltage Shield	R50D7002	R50D7002	R50D7002	R50D7002	R50D7002	R50D7002	R50D7002
83	Top Panel Bracket	R50D7003	R50D7003	R50D7003	R50D7003	R50D7003	R50D7003	R50D7003
84	Electronic Control Module, Standard	Contact Customer Service at 800 900-9276 x11						
84	Electronic Control Module, CSD-1	Contact Customer Service at 800 900-9276 x11						
85	Rocker Switch	RE2322700	RE2322700	RE2322700	RE2322700	RE2322700	RE2322700	RE2322700
87	Wire Harness	R50D7414	R50D7408	R50D7406	R50D7402	R50D7410	R50D7409	R50D7409
89	Air Pressure Switch	RE2334701	RE2334700	—	RE2334700	RE2334700	RE2334701	RE2334700
90	Water Flow Switch	—	—	R2008400	R2008400	R2008400	R2008400	R2008400



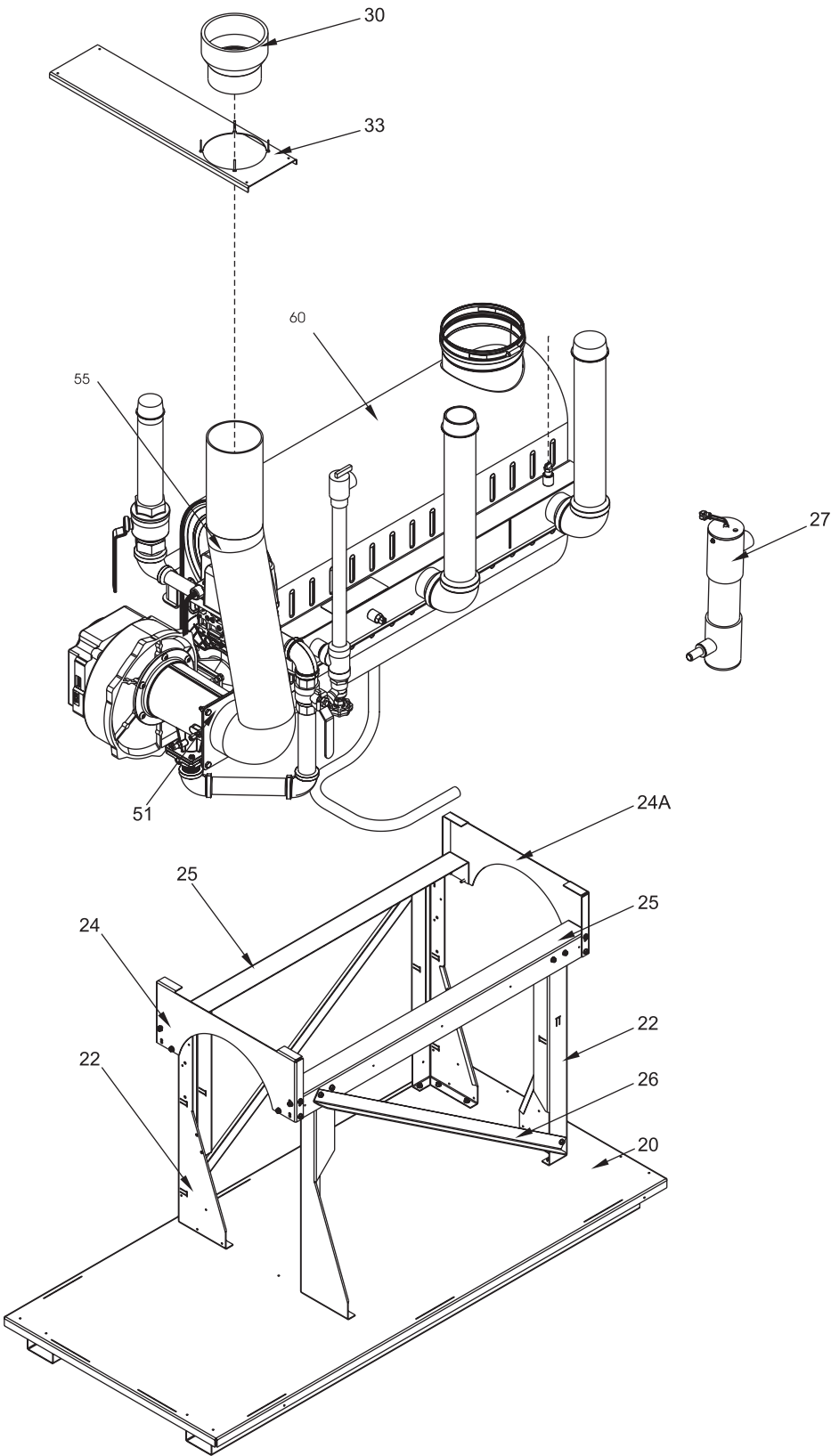
Parts Illustration 1. Jacket Components



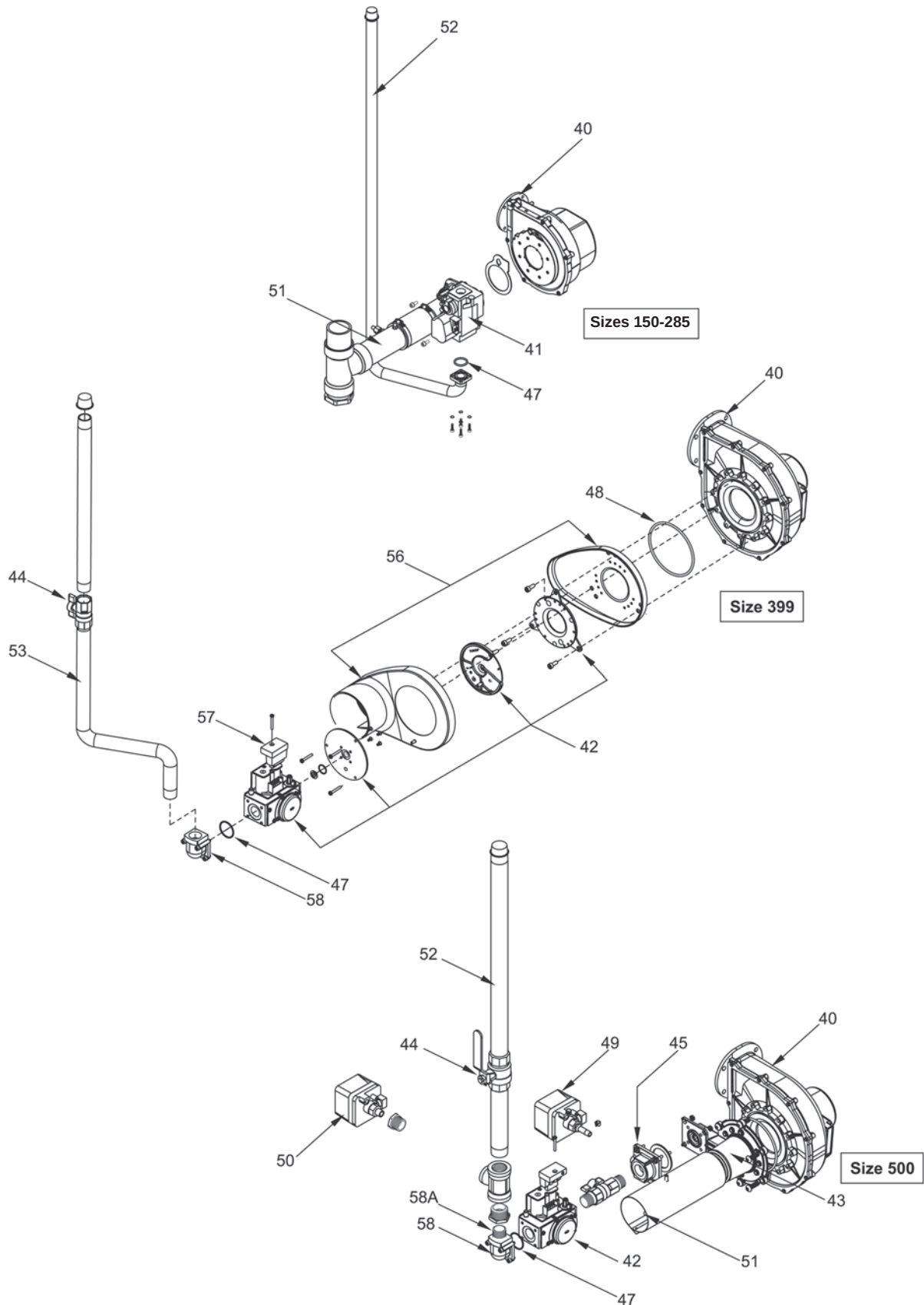
Parts Illustration 2. Internal Components, Sizes 150-210



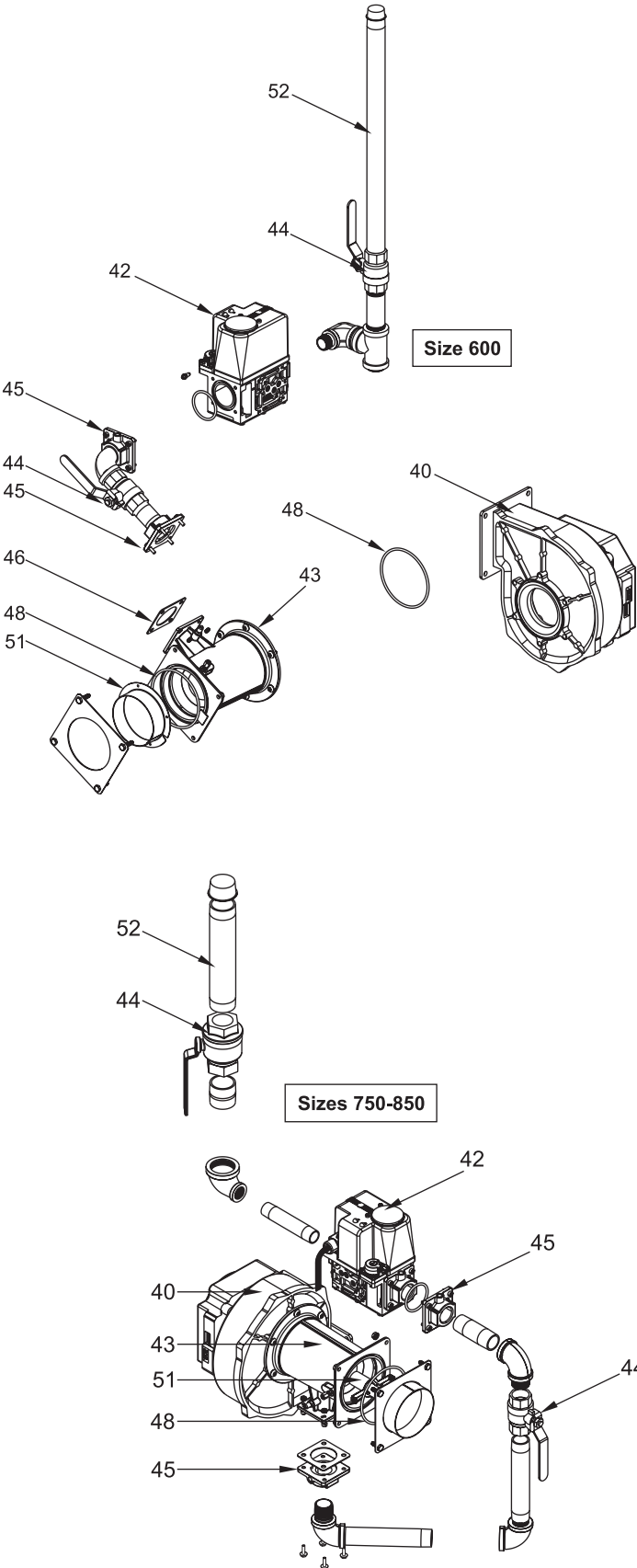
Parts Illustration 3. Internal Components, Sizes 285-600



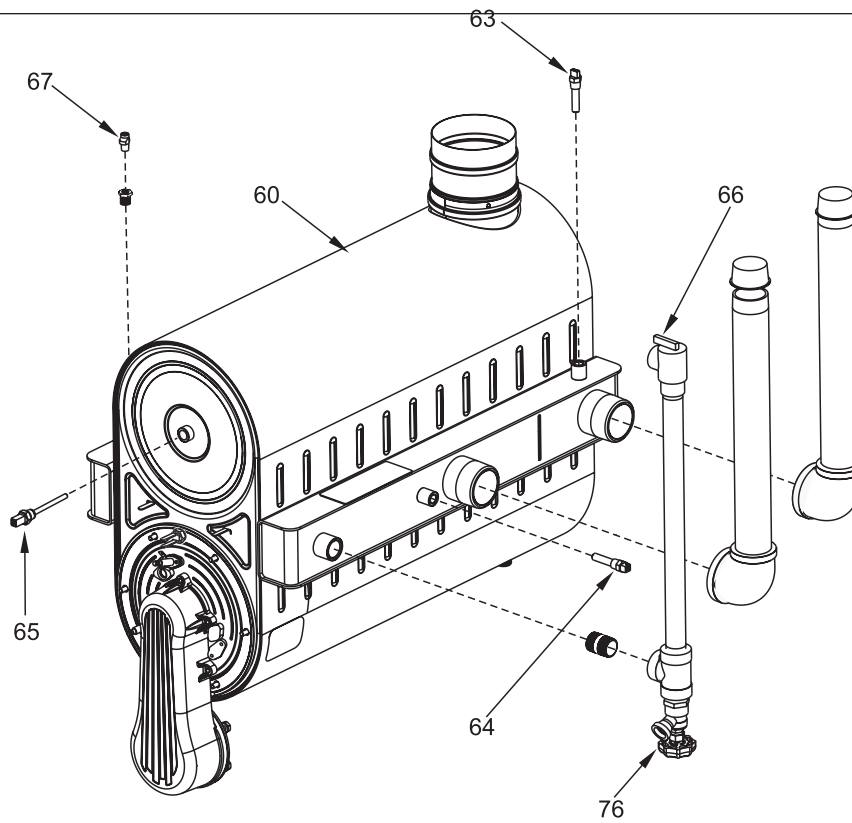
Parts Illustration 4. Internal Components, Sizes 750-850



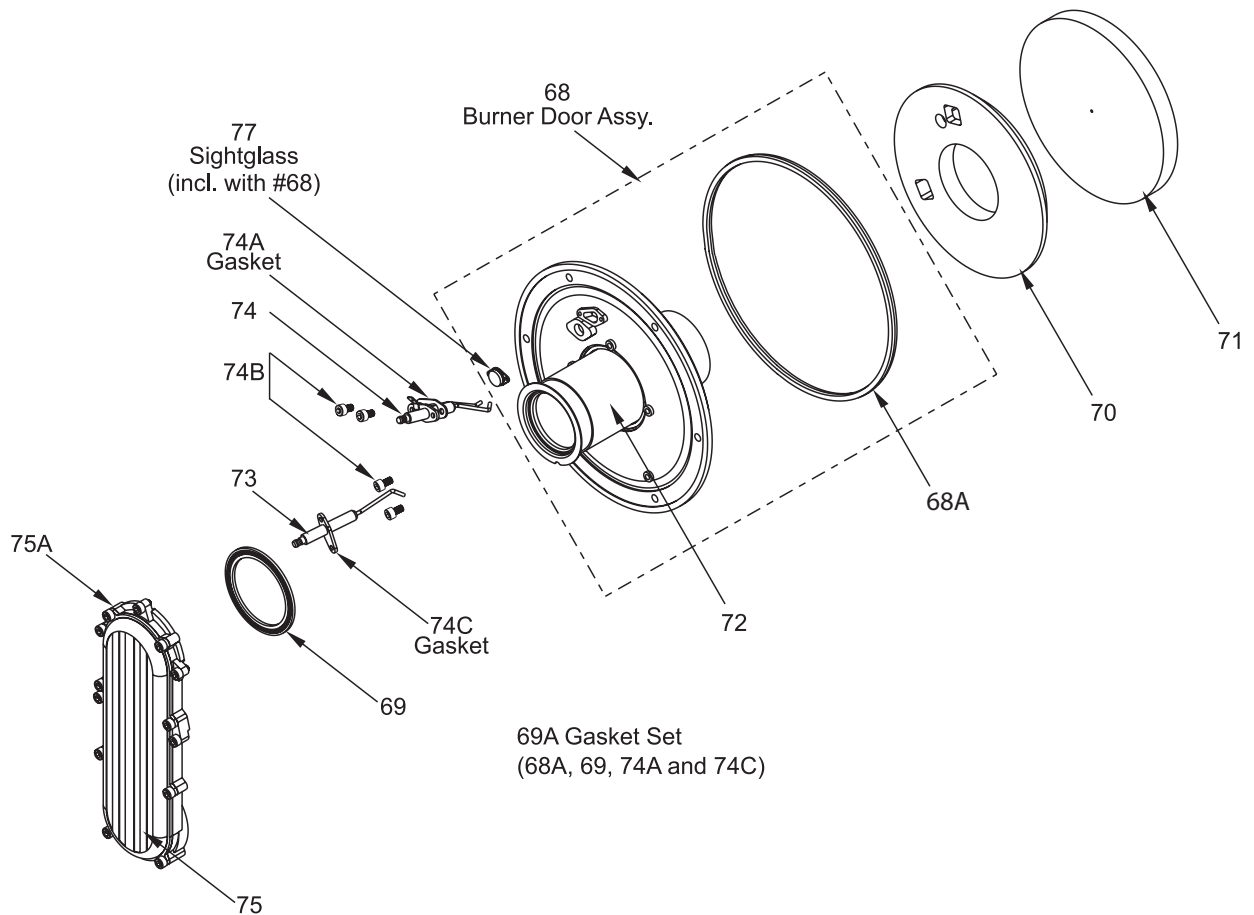
Parts Illustration 5. Gas Train Components, Sizes 150-500



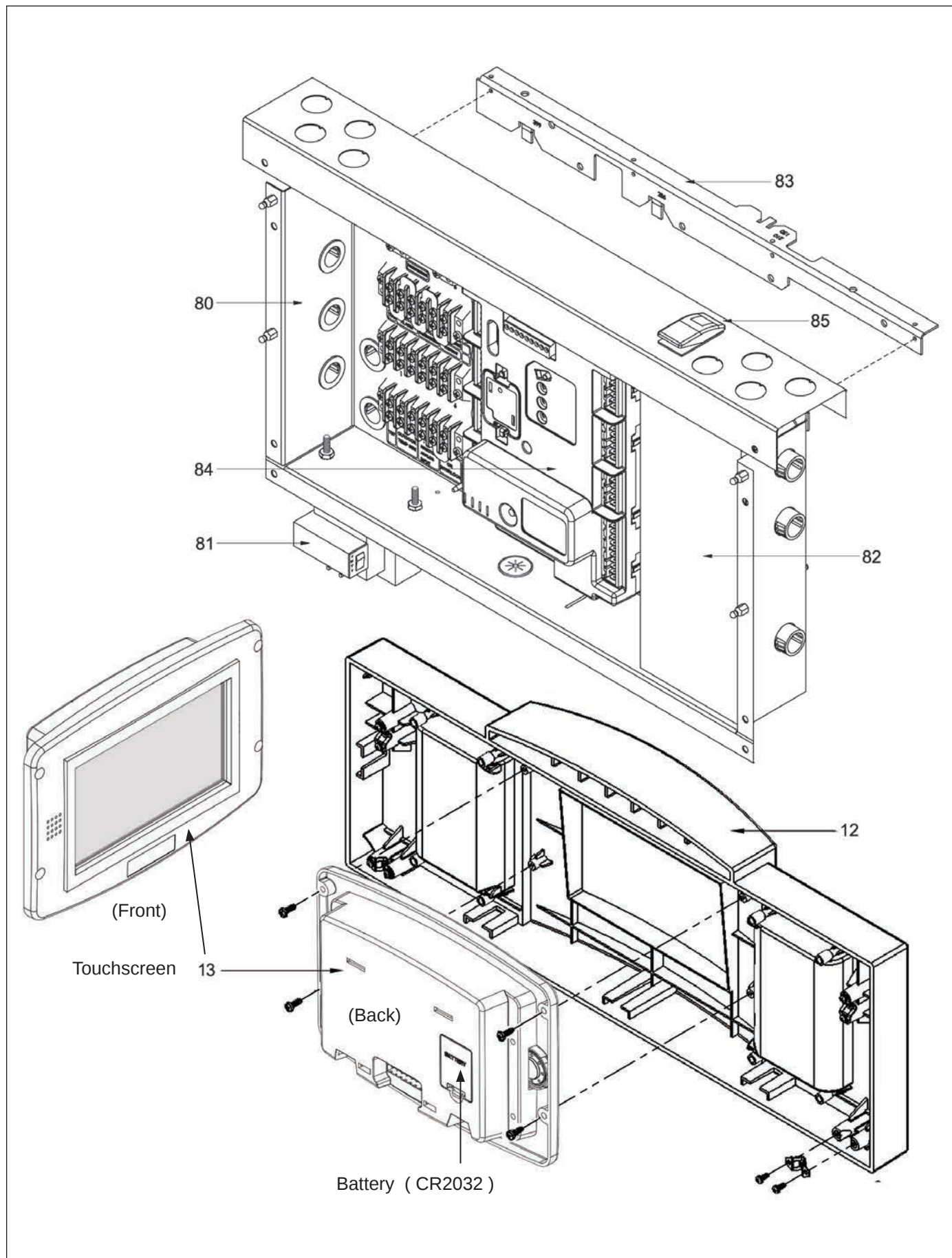
Parts Illustration 6. Gas Train Components, Sizes 600-850



Sizes 285 -



Parts Illustration 7. Heat Exchanger Components

**Parts Illustration 8. Electrical Components**

Notes:

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



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