

Water Heater Parts Fulfillment  
1-800-821-2017

MODELS: 60G/100G/119G  
SERIES: 400/401/450/451

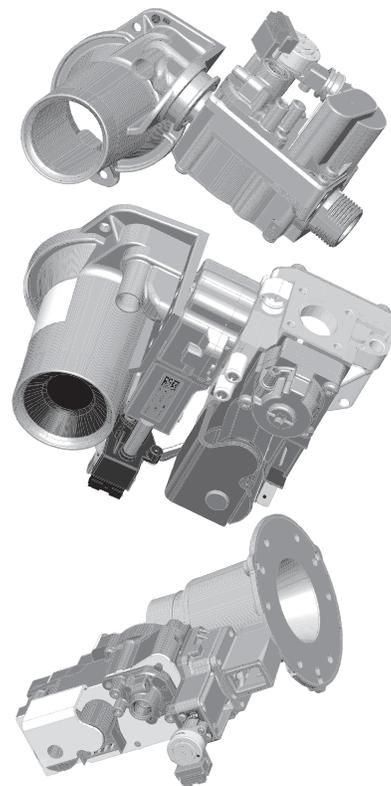
DISPLAY CONTROL ASSEMBLIES



FLEX 60/100/119 GALLON  
MODELS



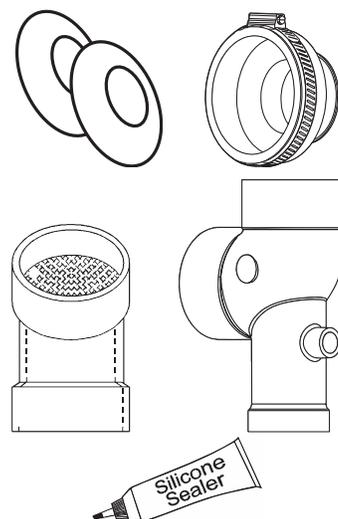
GAS VALVE ASSEMBLIES



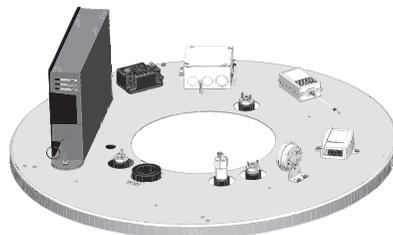
GAS VALVE/BLOWER/BURNER  
ASSEMBLIES



EXHAUST ELBOW ASSEMBLY KITS  
AND VENT ASSEMBLY KITS



INNER COVER CONTROL  
ASSEMBLIES



## CLEANOUT ASSEMBLY / TEMPERATURE-PRESSURE VALVE

Table 1. Cleanout, T&P Valve, Lower Temperature Probe, and Drain Valve Assemblies				
No.	Kit Description	60G	100G	119G
1	K,GASKET,CLEANOUT	100109686	100109686	100109686
2	K,COVER PLATE	100110656	100110656	100110656
3	K,SCREW,THREAD FORMING	100109688	100109688	100109688
4	K, T&P VALVE	100110714	100110714	100110714
5	K,PROBE,TEMP,W/SEALANT, LOWER	100383667	100383667	100383667
6	K,DRAIN VALVE,BRS,BALL,2.5"	100263911	100263911	100263911
7	K,LDM SENSOR ASSY	100305039	100305039	100305039
8	K,SWITCH,BLOCKED OUTLET	100347296	100347296	100347296

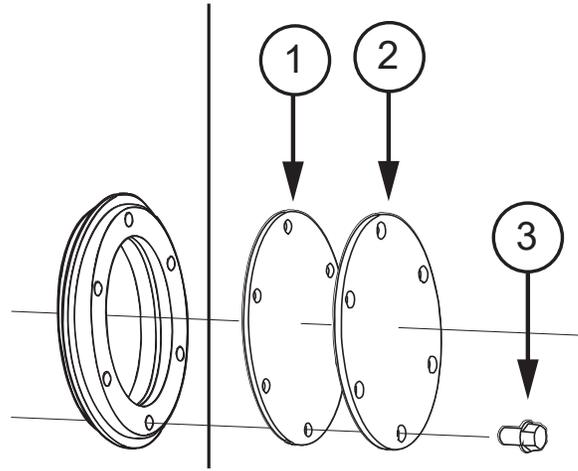


Figure 4. Cleanout Assembly

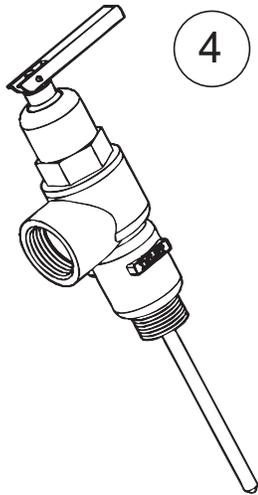


Figure 1. T & P Valve

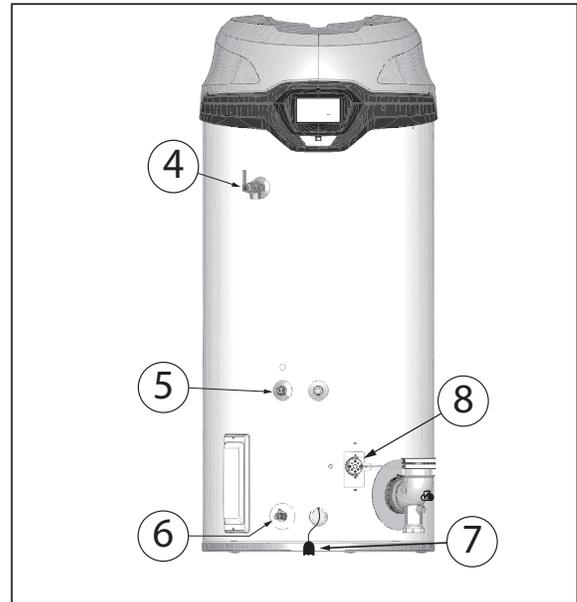


Figure 5. Locating the T&P Valve, Lower Temperature Probe, and Drain Valve

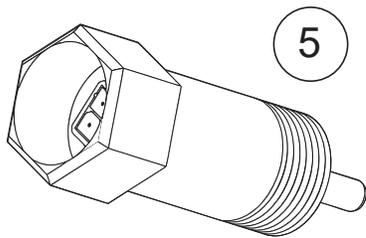


Figure 2. Lower Temperature Probe

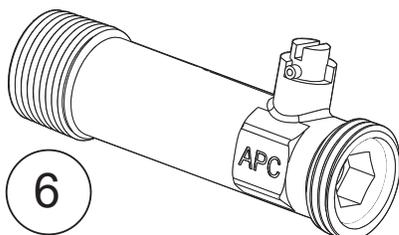


Figure 3. Drain Valve

## DISPLAY CONTROL ASSEMBLIES

Table 2. Display Control Assembly				
No.	Kit Description	60G	100G	119G
1	K,DISPLAY BAND,MOUNT,BTH SERIES 400	100383668	100383668	100383668
2	K, FMM,KEY/HARNESS	100388119	100388119	100388119
3	K,UIM ASSEMBLY, PROGRAMMED	100360226	100360226	100360226
4	K,SWITCH,ENABLE/DISABLE,RA8	100347254	100347254	100347254

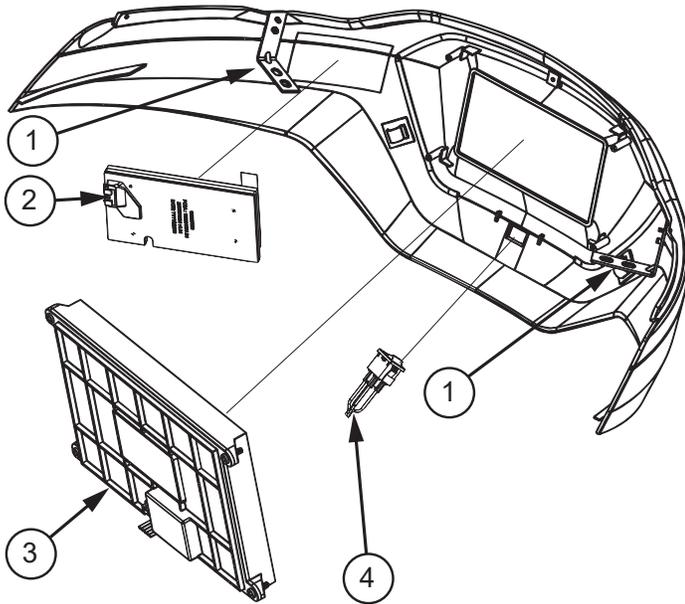


Figure 6. 60 Gallon and 100 Gallon Display Band Assembly

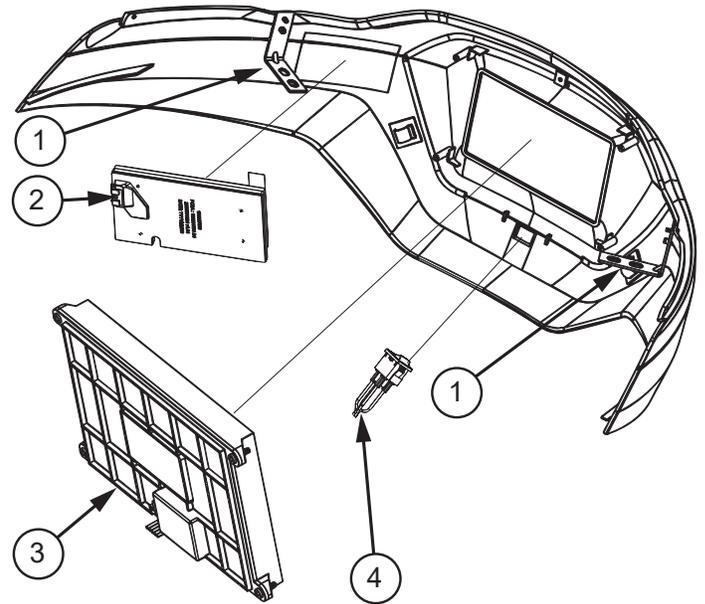


Figure 7. 119 Gallon Models Display Band Assembly

## TOP COVER CONTROL ASSEMBLIES

Table 3. 60 Gallon Models Inner Cover Control Assembly		
No.	Kit Description	60G
1	K, SWITCH, BLOCKED INLET, -2.50"WC, NC, SERIES 400	100383670
2	K, MAIN PROBE, TEMP, W/SEALANT, W/CONN	100383669
3	K, CSC CONTROL BOARD	100347259
4	K, LOW VOLTAGE HARNESS ONLY*	100385865
5	K, TRC CONTROL BOARD	100347258
6	K, TRC/CSC HARNESS ONLY*	100385825
7	K, SPARK IGNITION TRANSFORMER	100271921
8	K, JUNCTION BOX ASSY, PX52, COMM	100385826
9	K, POWERED ANODE 31.5"	100111286

\* Not shown

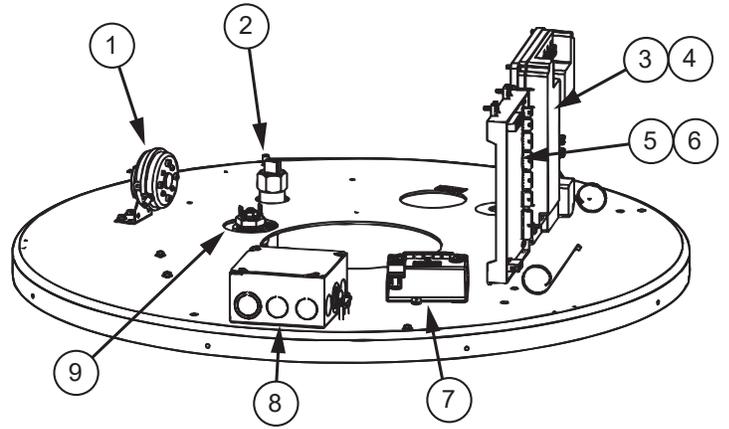


Figure 8. Inner Cover Control Assembly - 60 Gallon

Table 4. 100 Gallon Models Inner Cover Control Assembly		
No.	Kit Description	100G
1	K, SWITCH, BLOCKED INLET, -2.50"WC, NC, SERIES 400	100383670
2	K, POWERED ANODE 48"	100111023
3	K, MAIN PROBE, TEMP, W/SEALANT, W/CONN	100383669
4	K, POWERED ANODE 13.78"	100111024
5	K, TRC CONTROL BOARD	100347258
6	K, TRC/CSC HARNESS ONLY*	100385825
7	K, CSC CONTROL BOARD	100347259
8	K, LOW VOLTAGE HARNESS ONLY*	100385865
9	K, SPARK IGNITION TRANSFORMER	100271921
10	K, JUNCTION BOX ASSY W/ HARNESS*, 100 GAL	100385827

\* Not shown

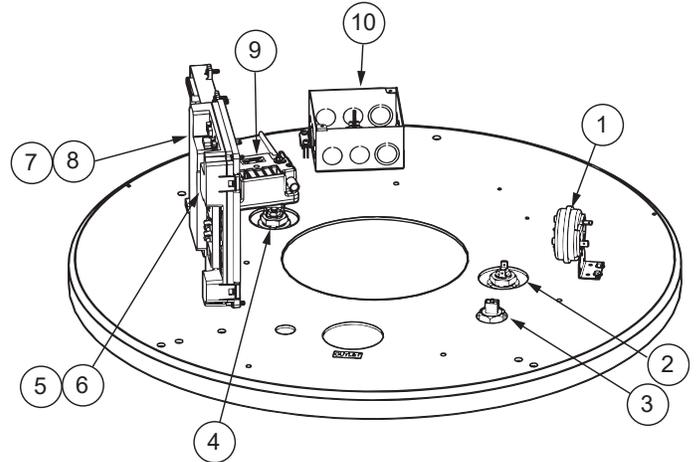


Figure 9. Inner Cover Control Assembly - 100 Gallon

Table 5. 119 Gallon Models Inner Cover Control Assembly		
No.	Kit Description	Part Number
1	K, SWITCH, BLOCKED INLET, -2.10"WC, NC, SERIES 400	100383691
2	K, POWERED ANODE 48"	100111023
3	K, MAIN PROBE, TEMP, W/SEALANT, W/CONN	100383669
4	K, POWERED ANODE 19.69"	100187890
5	K, TRC CONTROL BOARD	100347258
6	K, TRC/CSC HARNESS*	100385825
7	K, CSC CONTROL BOARD	100347259
8	K, LOW VOLTAGE HARNESS ONLY*	100385865
9	K, SPARK IGNITION TRANSFORMER	100271921
10	K, JUNCTION BOX ASSY W/ HARNESS, W/ CPAM, 119 GAL	100385829
11	K, POWERED ANODE 31.5"	100111286
12	K, POWER SUPPLY, CPAM, 119 GAL	100385830
13	K, HRNS, CPAM, TRC, 48", 119 GAL*	100385862
14	K, CONTROL, ASSY, AS PURCH, COMM, CPAM MIN	100385863
15	K, HARNESS, CPAM OUTPUT, CYCLONE LV 119 GAL*	100385861
* Not shown.		

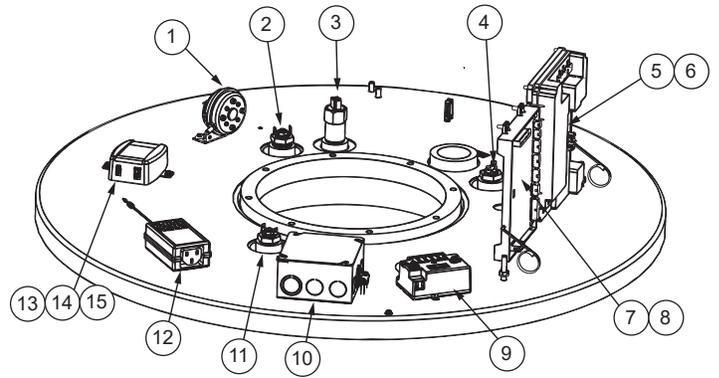


Figure 10. Inner Cover Control Assembly - 119 Gallon

## GAS VALVE/BLOWER/BURNER ASSEMBLIES

Table 6. 60 Gallon Models Gas Valve/Blower/Burner Assembly		
No.	Kit Description	Part Number
1	K,NRG118 BLOWER ASSYW/O PRESSURE PORT	100347260
2	K,GASKET,BLOWER OUTLET,SILICONE	100360243
3	K,SIGHT GLASS	100110901
4	K,GASKET,SIGHT GLASS	100110902
5	K,GASKET,BURNER	100187867
6	K,BURNER,60G,2.77" DIA X 6.08L,S400	100360246
7	K,GASKET,SPARK IGNITER,.04" GRAPHITE	100338898
8	K,SPARK IGNITER ASSY,STRAIGHT,BURNR	100271888
9	K, IGNITION CABLE ONLY	100271890
10	K,GASKET,FLAME ROD,.56" ODX.31"ID	100338897
11	K.FLAME SENSOR ROD,6" KANTHAL	100347293
12	K,GAS VALVE/VENTURI ASSEMBLY,PX52,S400	100347291

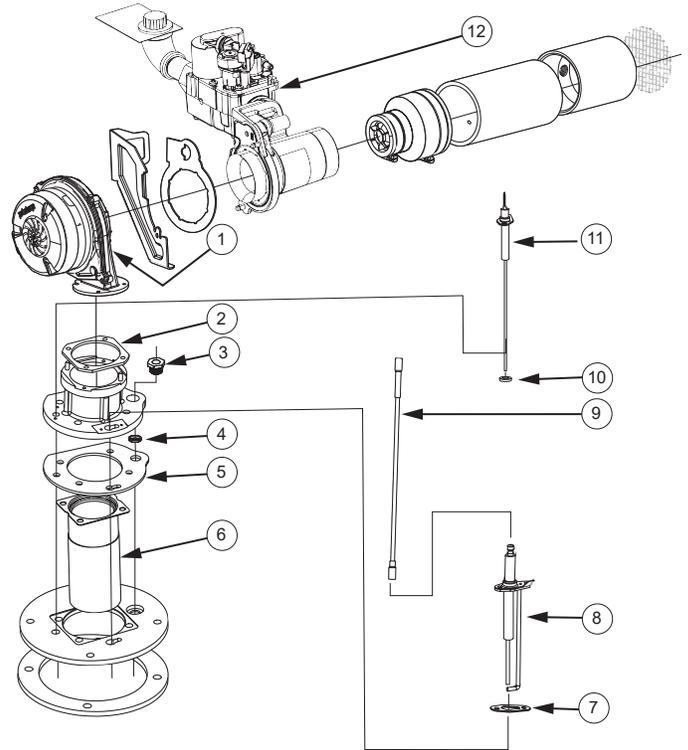


Figure 11. 60-Gallon Blower-Burner Assembly

Table 7. 100 Gallon Models Gas Valve/Blower/Burner Assembly		
No.	Kit Description	Part Number
1	K,VGR145,CVI BLOWER ASSY	100360228
2	K,GASKET,BLOWER OUTLET,SILICONE	100360243
3	K,SIGHTGLASS	100110901
4	K,GASKET,SIGHTGLASS	100110902
5	K,GASKET,BURNER	100187867
6	K,BURNER ASSEMBLY	100187866
7	K,GASKET,SPARK IGNITER,.04" GRAPHITE	100338898
8	K,SPARK IGNITER ASSY,STRAIGHT,BURNER	100271888
9	K, IGNITION CABLE ONLY	100271890
10	K,GASKET,FLAME ROD,.56" ODX.31" ID	100338897
11	K.FLAME SENSOR ROD,6"KANTHAL	100347293
12	K,GAS VALVE/VENTURI/THROTTLE ASSEMBLY,VK	100387942

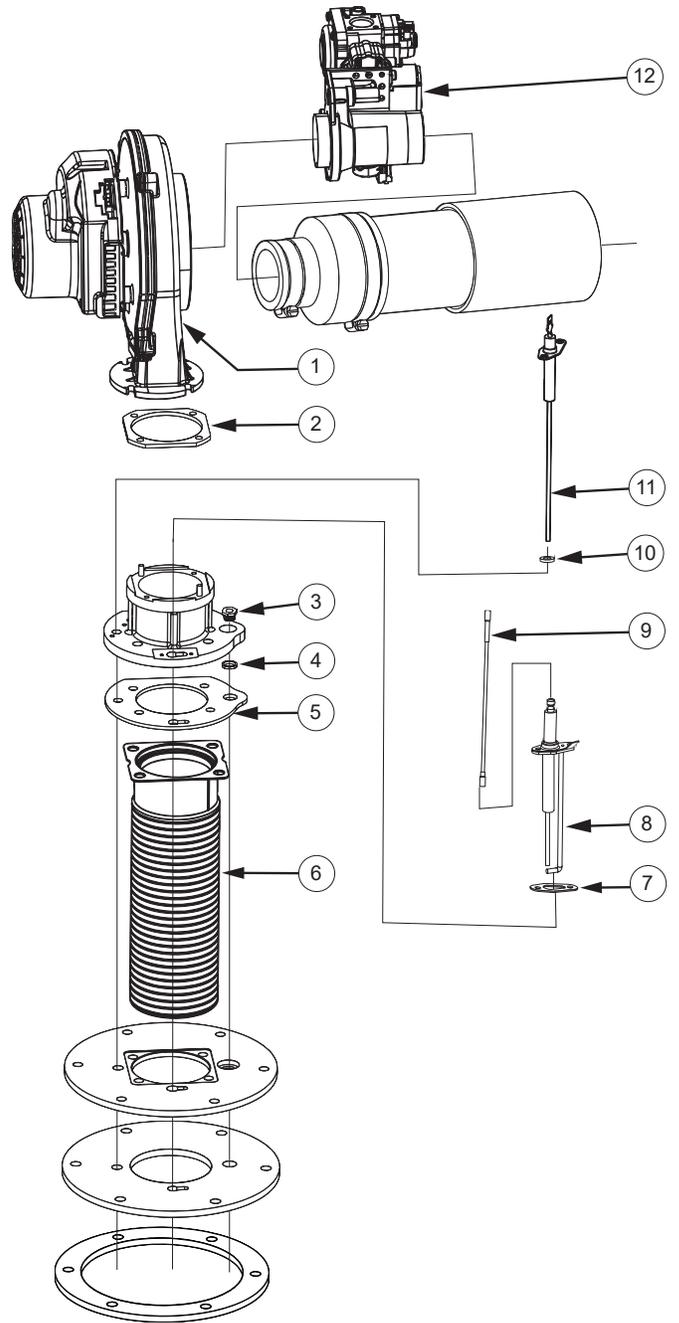


Figure 12. 100-Gallon Blower-Burner Assembly

Table 8. 119 Gallon Models Gas Valve/Blower/Burner Assembly		
No.	Kit Description	Part Number
1	K,VGR145,STD BLOWER ASSY	100360227
2	K,GASKET,BLOWER OUTLET,SILICONE	100360243
3	K,SIGHT GLASS	100110901
4	K,GASKET,SIGHT GLASS	100110902
5	K,GASKET,BURNER	100187867
6	K,BURNER,119G	100360245
7	K,GASKET,SPARK IGNITER,.04" GRAPHITE	100338898
8	K,SPARK IGNITER ASSY,ANGLED	100360209
9	K, IGNITION CABLE ONLY	100271890
10	K,GASKET,FLAME ROD,.56" ODX.31" ID	100347293
11	K,FLAME SENSOR ROD,5.16"KANTHAL	100360244
12	K,GAS VALVE/VENTURI/THROTTLE ASSY,RAMBLR	100387943

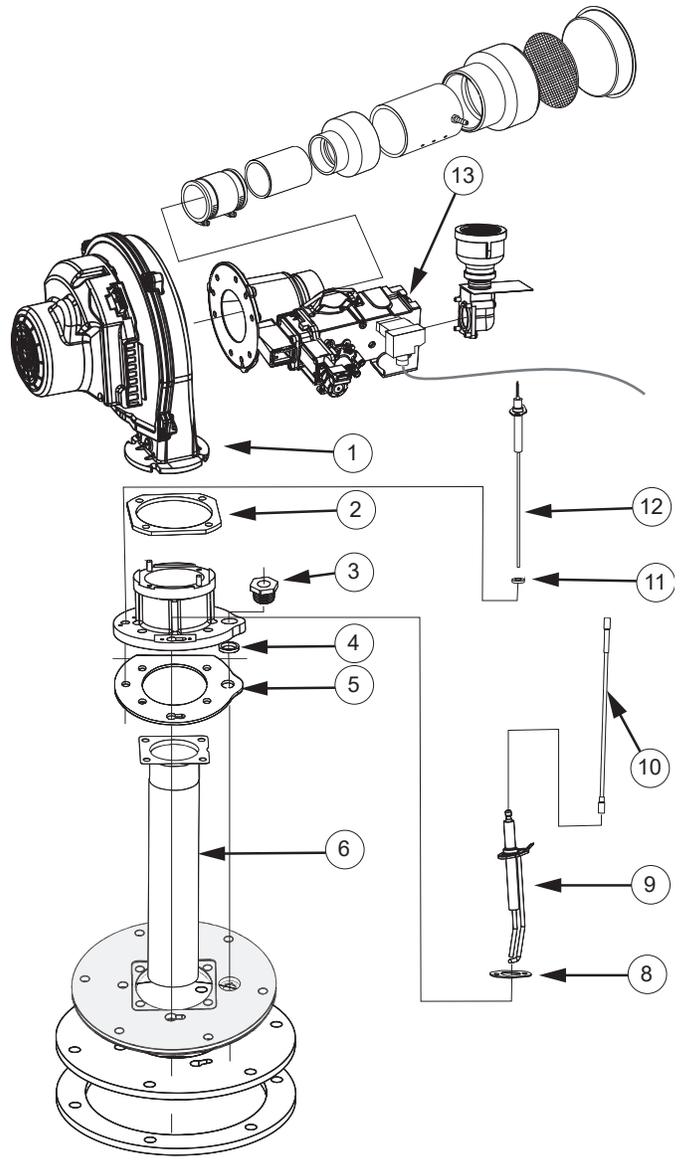


Figure 13. 119 Gallon Blower-Burner Assembly

### 3" EXHAUST CONNECTOR AND VENT KIT ASSEMBLIES

Table 9. 3" Exhaust Connector and Vent Kit Assemblies for 60 and 100 Gallon Models			
No.	Kit Description	60G	100G
<b>Exhaust Elbow and Fittings</b>			
1	Exhaust Connector (2.50" x 4.00")	100110947	100110947
2	Exhaust /Condensate Elbow Assembly	100187862	100187862
3	Condensate Trap Gasket	100338896	100338896
<b>Vent Kit Parts</b>			
4	Intake/Exhaust Screen	100110830	100110830
5	PVC 45 Degree Elbow w/Screen (PVC)	100108686	100108686
6	PVC 45 Degree Elbow (Canada, ULC S636)	100055670	100055670
7	Wall Plate	100109820	100109820
8	Silicone	100109821	100109821

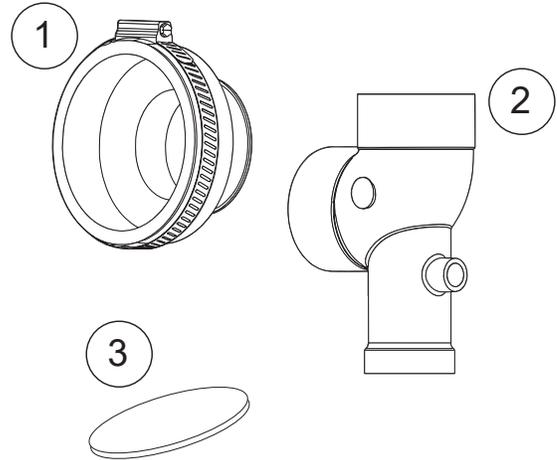


Figure 14. 3" Exhaust Connector Kits

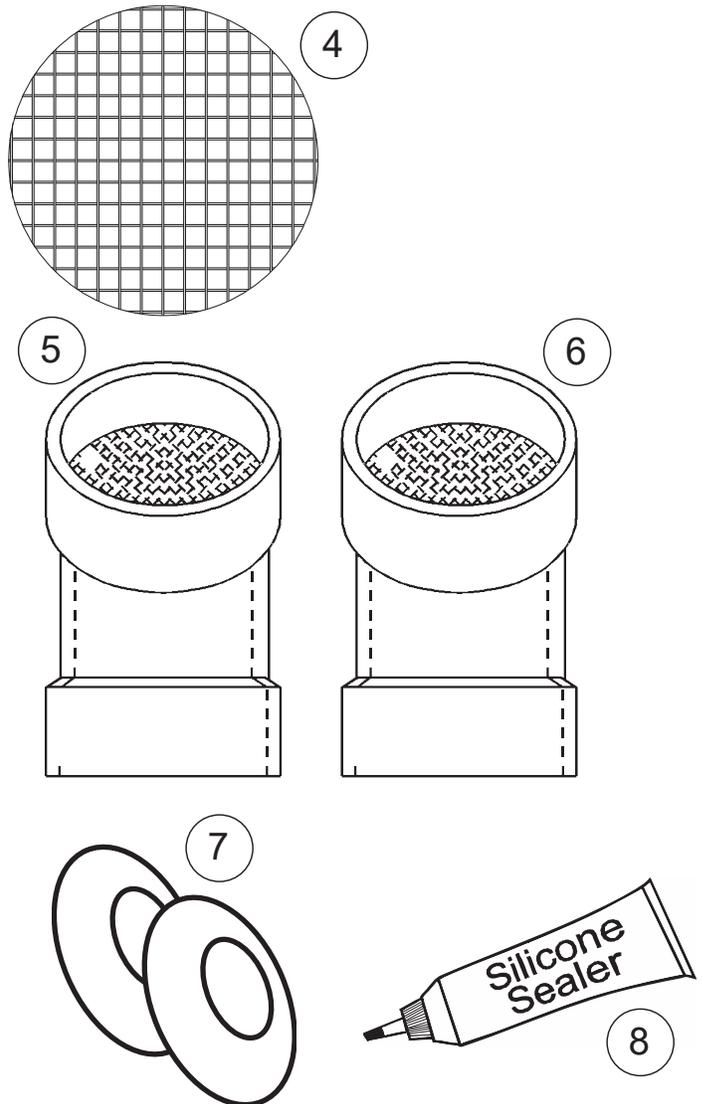


Figure 15. 3" Vent Kits

## 4" EXHAUST CONNECTOR AND VENT KIT ASSEMBLIES

Table 10. 4" Exhaust Connector and Vent Kit Assemblies for 119 Gallon Models		
No.	Kit Description	Part Number
<b>Exhaust Elbow and Fittings</b>		
1	Connector, Exhaust	100110908
2	Exhaust/Condensate Elbow Assembly	100187863
3	Condensate Trap Gasket	100338896
<b>Vent Kit Parts</b>		
4	Intake/Exhaust Vent Terminal*	100110909
5	Wall Plates (2 required)	100110910
6	Silicone Sealer, 2 oz. tube	100109821
7	Exhaust Vent Terminal (Canada)*	100111103

\*Not shown.

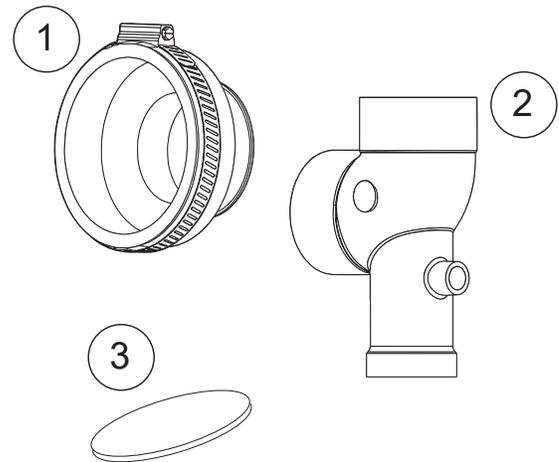


Figure 16. 4" Exhaust Connector Kits

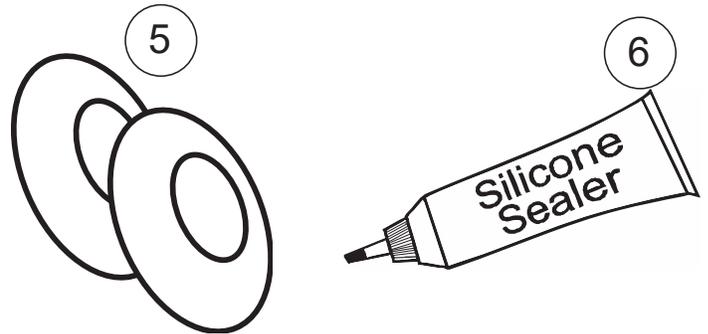


Figure 17. 4" Vent Kits

## OPTIONAL VENT KIT ASSEMBLIES

Table 11. Optional Vent Kit Assemblies		
No.	Kit Description	Part Number
1	K, 2 INCH, VENT TERMINAL	100386033
2	K, VENT TERMINATION, LOW PROFILE, 2"	100187903
3	KIT, CONCENTRIC VENT, ULCS636, 2	100112869
4	KIT, CONCENTRIC VENT, ULC COMPLIANT, 3"	100111100
5	KIT, VENT TERMINATION, LOW PROFILE, 3"	100187887
6	KIT, VENT TERMINATION, LOW PROFILE, 4"	100187888
77	KIT, CONCENTRIC VENT, 6"	100113124
8	K, VENT TERMINAL, 6 INCH	100111626
9	KIT, VENT TERMINATION, LOW PROFILE, 6"	100187889
10	Silicone	100109821
11	Wall Plate	100109820

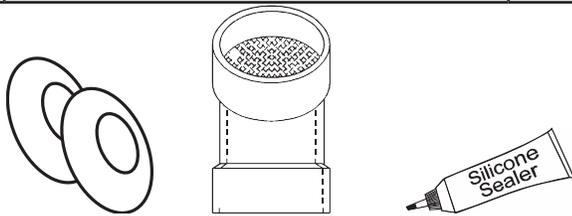


Figure 18. Optional Vent Kits

## OPTION KIT ASSEMBLIES

Table 12. Option Kit Assemblies		
No.	Kit Description	Part Number
1	KIT, BMS	100378810
2	KIT, NEUTRALIZER, 100-300K BTU, CN2-300C	100289339
3	KIT, NEUTRALIZER, 400-500K BTU, CN4-850	100374577

