



## Bulletin No. 107

### Parr Calorimeter Parts Kits

### Oxygen Bomb Maintenance Kits, 1 Year Service Kits, & Calorimeter Spare Parts Kits

#### Oxygen Bomb Maintenance Kits

Part Number	Description
6008	Kit, 500 Firings Parts 1108/CL
6008P	Kit, 500 Firings Parts 1108P/CL
6008R	Kit, 500 Firings Parts 1108R/CL
6007	Kit, 500 Firings Parts 1107
6009	Kit, 500 Firings Parts 1109
6009A	Kit, 500 Firings Parts 1109A
6004	Kit, 500 Firings Parts 1104/4B
6036	Kit, 500 Firings 1136/38 A895DD
6038	Kit, 500 Firings 1136/38 A1450DD
6031	Kit, 500 Firings Parts 1131/CL

These kits include all of the parts that Parr recommends be replaced in the oxygen bomb after 500 firings. Note that these parts may need to be replaced on a more frequent basis depending upon the nature of the sample. Included with the kit is a diagram, instructing the user on the proper placement of the parts. The kits are intended to supply the user with a 1 year supply of parts or the ability to perform maintenance once every month for 12 months.

<b>Part Number 6008, 500 Firings Parts Kit for 1108 &amp; 1108CL Oxygen Bomb</b>		
Qty.	Part No.	Description
12	20VB	Valve seat, PCTFE Material
12	230A	O-ring, 2-3/8 ID X 1/8 CS
48	238A	O-ring, 3/16 ID X 1/16 CS
12	415A	O-ring, 7/16 ID X 1/16 CS
2	143AC	Insulator, Delrin
2	388A	Spacer
2	401A	Sleeve Insulator
2	96AC	Electrode Insulator
2	378A	Packing Cup
2	406A	Lock Nut, SS
1	509M	1108 / 1108CL Parts Diagram

<b>Part Number 6008P, 500 Firings Parts Kit for 1108P &amp; 1108PCL Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
12	20VB	Valve seat, PCTFE Material
12	230A	O-ring, 2-3/8 ID X 1/8 CS
48	238A	O-ring, 3/16 ID X 1/16 CS
12	415A	O-ring, 7/16 ID X 1/16 CS
2	143AC	Insulator, Delrin
2	388A	Spacer
2	401A	Sleeve Insulator
2	96AC	Electrode Insulator
2	378A	Packing Cup
12	PA1332RD04	6-32 X ¼ RHMS T316
1	510M	1108P/1108PCL Parts Diagram

<b>Part Number 6008R, 500 Firings Parts Kit for 1108R &amp; 1108RCL Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
12	20VB	Valve seat, PCTFE Material
12	410A	Sealing ring NBR
48	238A	O-ring, 3/16 ID X 1/16 CS
12	415A	O-ring, 7/16 ID X 1/16 CS
2	143AC	Insulator, Delrin
2	388A	Spacer
2	401A	Sleeve Insulator
2	96AC	Electrode Insulator
2	378A	Packing Cup
12	PA1332RD04	6-32 X ¼ RHMS T316
1	511M	1108R/1108RCL Parts Diagram

<b>Part Number 6007, 500 Firings Parts Kit for 1107 Semi-micro Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
12	238A	O-ring, 3/16 ID X 1/16 CS
12	24CJV	Insulator, FKM
12	251AC	Quad Ring NBR, 5/32 ID X 1/16 CS
12	25C2	Mica Washer (1/16 <sup>th</sup> inch stack)
12	27ACJN	Gasket, Neoprene
2	23AC	Electrode Hook
1	517M	1107 Parts Diagram

<b>Part Number 6009, 500 Firings Parts Kit for 1109 Semi-micro Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
12	549AJB	O-ring NBR 3/64 ID X 1/16 CS
12	357HCJB	O-ring NBR 1/4 ID 1/16 CS
12	251AC	Quad Ring NBR 5/32 ID X 1/16 CS
12	531AJB	O-ring NBR 1.049" ID X 0.103" CS
12	659DD	O-ring NBR 5/32 ID X 1/16 CS
2	23AC	Electrode Hook
2	663DD	Contact Bushing
2	528A	Insulator PTFE
1	TX05SK	0.050" Socket Screw Ket
1	512M	1109 Parts Diagram

<b>Part Number 6009A, 500 Firings Parts Kit for 1109A Semi-micro Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
12	251AC	Quad Ring NBR 5/32 ID X 1/16 CS
12	531AJB	O-ring NBR 1.049" ID X 0.103" CS
12	659DD	O-ring NBR 5/32 ID X 1/16 CS
2	23AC	Electrode Hook
2	663DD	Contact Bushing
2	528A	Insulator PTFE
1	513M	1109A Parts Diagram

<b>Part Number 6004, 500 Firings Parts Kit for 1104 &amp; 1104B Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
12	20VB	Valve seat, PCTFE Material
12	230A	O-ring, 2-3/8 ID X 1/8 CS
48	238A	O-ring, 3/16 ID X 1/16 CS
2	143AC	Insulator, Delrin
2	388A	Spacer
2	401A	Sleeve Insulator
2	96AC	Electrode Insulator
12	7VBCM	Washer Monel
2	378A	Packing Cup
1	109A	Copper Washer
2	406A	Lock Nut, SS
1	424HC2	Hi-Temp Anti-Seize Lube, 1 oz.
1	514M	1104 Parts Diagram

<b>Part Number 6036, 500 Firings Parts Kit for 1136 &amp; 1138 Bomb w/ A895DD Head</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	840DD2	Heat Wire 60"L
12	1374HCJV	O-ring FKM 1/8 ID X 1/16 CS
12	394HC	O-ring FKM 3/8 ID X 1/16 CS
24	821DD	O-ring NBR 1/16 ID X 1/16 CS
12	1081DD	Quad Ring NBR
12	667DDJV	Quad Ring FKM 1.484 ID X 0.139 CS
12	659DD	O-ring NBR 5/32 ID X 1/16 CS
12	882DD	O-ring NBR 1/2 ID X 3/32 CS
12	969DD	O-ring 1/2 ID X 1/8 CS
1	515M	1136(38) A895DD Parts Diagram
12	1138DD	O-ring NBR 1/2 ID X 1/16 CS
12	1143DD	O-ring 0.614 ID X .070 CS NBR
12	357HCJB	O-ring NBR 1/4 ID X 1/16 CS
24	659DDJU	O-ring Urethane 5/32 ID X 1/16 CS
2	658DD	PTFE Insulator
2	654DD	Electrode Washer, Ceramic
12	PA1332RD04	6-32 X 1/4 RHMS T316

<b>Part Number 6038, 500 Firings Parts Kit for 1136 &amp; 1138 Bomb w/ A1450DD Head</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	840DD2	Heat Wire 60"L
24	1374HCJV	O-ring FKM 1/8 ID X 1/16 CS
12	394HC	O-ring FKM 3/8 ID X 1/16 CS
12	821DD	O-ring NBR 1/16 ID X 1/16 CS
12	1071DD	Quad Ring NBR
12	1444DDJB	O-ring NBR 1.62"ID X .139 CS
12	659DD	O-ring NBR 5/32 ID X 1/16 CS
12	882DD	O-ring NBR 1/2 ID X 3/32 CS
12	969DD	O-ring 1/2 ID X 1/8 CS
1	540M	1136(38) A1450DD Parts Diagram
12	519AJV	O-ring, FKM 5/64 ID X 1/16 CS
12	1138DD	O-ring NBR 1/2 ID X 1/16 CS
12	1143DD	O-ring NBR .614 ID X .070 CS
12	357HCJB	O-ring NBR 1/4 ID X 1/16 CS
24	659DDJU	O-ring Urethane 5/32 ID X 1/16 CS
12	694DD	O-ring NBR 5/16 ID X 1/16 CS
2	658DD	PTFE Insulator
2	654DD	Electrode Washer, Ceramic
12	PA1332RD04	6-32 X 1/4 RHMS T316

<b>Part Number 6031, 500 Firings Parts Kit for 1131 &amp; 1131CL Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	840DD2	Heat Wire 60"L
12	1071DD	Quad Ring NBR
12	821DD	O-ring NBR 1/16 ID X 1/16 CS
12	667DDJV	Quad Ring FKM 1.484 ID X 0.139 CS
12	663DD	Contact Bushing
12	659DD	O-ring NBR 5/32 ID X 1/16 CS
2	658DD	PTFE Insulator
12	882DD	O-ring NBR 1/2 ID X 3/32 CS
12	519AJV	O-ring FKM 5/64 ID X 1/16 CS
12	644DD	O-ring NBR 3/4 ID X 3/32 CS
1	338VBAD	Male Conn; oseal 1/8T X 5/16-24
1	516M	1131/ 1131CL Parts Diagram
2	654DD	Electrode Washer, Ceramic
12	PA0948RD04	3-48 x 1/4 RHMS T316SS

## 1 Year Service Kits

Additionally, we have created kits intended to supply the user with the standard parts generally replaced in the calorimeter and oxygen bomb after one year of service. These kits are tailored to the individual calorimeter and bomb choice of the user.

The part numbers for these kits are listed in the following table.

Bomb Model Number	6400 Automatic Isoperibol Calorimeter	6300 Automatic Isoperibol Calorimeter	6200 Isoperibol Calorimeter	6100 Compensated Jacket Calorimeter	1341 Plain Jacket Calorimeter
1108			6209B	6109B	1349B
1108P			6209P	6109P	1349P
1108R			6209R	6109R	1349R
1104			6209Y	6109Y	1349Y
1109			6209X	6109X	
1109A			6209A	6109A	
1136/1138	6409B	6309B			

### 6400 Automatic Isoperibol Calorimeter 1 Year Service Kit

<i>Part Number 6409B, 1 Year Service Kit, 6400 with the A1450DD Head Assembly</i>		
Qty.	Part No.	Description
1	643DD	Pin Check Valve
1	906DD	Capsule Holder (1136)
1	668DD	Check Valve
5	845DD2	Ignition Thread, 4" 10g ~1000
1	3415	Benzoic Acid, 1g, 100 pellets
6	43AS	Capsule SS
12	944DD	O-ring NBR 1/4ID X 3/32CS
12	857DD	O-ring NBR 3/8ID X 3/32CS
1	1094DD	Electrode Long (1136)
1	1095DD	Electrode (1108P/A416A5)
1	359VB	Filter, In-Line 1/8T BR 15 MIC
1	1235DD	Gasket, Air Can (6300, 6400)
1	1241DD	Belt, Timing (6300, 6400)
1	A1458DD	Tubing Kit, Water Replacement 6400
6	149C	In-Line Filter
1	6038	Kit 500 Firing 1136/38 A1450DD



### 6300 Automatic Isoperibol Calorimeter 1 Year Service Kit

<b>Part Number 6309B, 1 Year Service Kit, 6300 with the A1450DD Head Assembly</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	906DD	Capsule Holder
1	668DD	Check Valve
5	845DD2	Ignition Thread 4" 10 g ~1000 pieces
1	3415	Benzoic Acid, 1g, 100 pellets
6	43AS	Capsule SS
12	944DD	O-ring NBR 1/4 ID X 3/32 CS
12	857DD	O-ring NBR 3/9 ID X 3/32 CS
1	1094DD	Electrode Long
1	1095DD	Electrode
1	6038	Kit, 500 Firings Parts 1136/38 A1450DD
1	359VB	Filter In-Line 1/8T BR 15 MIC
1	1235DD	Gasket Air Can 6300
1	1241DD	Belt, Timing (6300)
1	A1395DD	Tubing Kit Replacement 6300
6	149C	In-line Filter
1	643DD	Pin, Check Valve
1	1245DD	Filter, Water; Brass Mini 1/4 M

### 6200 Isoperibol Calorimeter 1 Year Service Kits

<b>Part Number 6209B, 1 Year Service Kit, 6200 with the 1108 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
6	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10 cm
2	4A10	Str Electrode w/ sleeve
2	5A10	Loop Electrode w/ sleeve
2	A297E	Lead Wire, Ignition
1	359VB	Filter In-Line 1/8T BR 15 MIC
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)
1	6008	Kit, 500 Firings Parts 1108/CL
1	A1393DD	Tubing Kit Replacement

<b>Part Number 6209P, 1 Year Service Kit, 6200 with the 1108P Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6008P	Kit, 500 Firings Parts 1108P/CL
1	840DD2	Heat Wire 60" L (2" per use)
5	845DD2	Ignition Thread 4" 10 g ~1000
6	43AS	Capsule SS
1	3415	Benzoic Acid, 1g, 100 pellets
1	1095DD	Electrode
1	1095DD2	Electrode, Insulated
1	906DD	Capsule Holder
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
1	A1393DD	Tubing Kit, Replacement
1	359VB	Filter, In line 1/8T BR 15 MIC
2	A297E	Lead Wire, Ignition
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)

<b>Part Number 6209R, 1 Year Service Kit, 6200 with the 1108R Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6008R	Kit, 500 Firings Parts 1108R/CL
1	840DD2	Heat Wire 60" L (2" per use)
5	845DD2	Ignition Thread 4" 10 g ~1000
6	43AS	Capsule SS
1	3415	Benzoic Acid, 1g, 100 pellets
1	1095DD	Electrode
1	1095DD2	Electrode, Insulated
1	906DD	Capsule Holder
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
1	A1393DD	Tubing Kit, Replacement
1	359VB	Filter, In line 1/8T BR 15 MIC
2	A297E	Lead Wire, Ignition
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)

<b>Part Number 6209Y, 1 Year Service Kit, 6200 with the 1104 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
2	4A	Str Electrode 667 Alloy
2	5A3	Loop Electrode
2	A297E	Lead Wire, Ignition
6	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10cm
1	3415	Benzoic Acid, 1g, 100 pellets
12	56A	Gasket NBR
1	A1393DD	Tubing Kit, Replacement
1	359VB	Filter, In line 1/8T BR 15 MIC
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)
1	6004	Kit, 500 Firings Parts 1104

<b>Part Number 6209X, 1 Year Service Kit, 6200 with the 1109 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
2	208AC	Fuel Capsule, Inconel
1	3414	Benzoic Acid, 0.2g, 120 pellets
12	357HC	O-ring FKM ¼ ID X 1/16 CS
3	45C10	Fuse Wire Ni Alloy 10 cm
2	A297E	Lead Wire, Ignition
1	1241DD2	Belt, Timing (6100, 6200)
1	1317DD	Lid Seal (6200)
1	359VC	Filter, In line 1/8T BR 15 MIC
1	A1393DD	Tubing Kit, Replacement
1	165AC2GE	Capsule Support Loop Ni-Cr
1	6009	Kit, 500 Firings Parts 1109

<b>Part Number 6209A, 1 Year Service Kit, 6200 with the 1109A Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6009A	Kit, 500 Firings Parts 1109
3	45C10	Fuse Wire Ni Alloy 10 cm
2	208AC	Fuel Capsule, Inconel
1	3414	Benzoic Acid, 0.2g, 120 pellets
1	165AC2GE	Capsule Support Loop Ni-Cr
12	357HC	O-ring FKM ¼ ID X 1/16 CS
1	A1393DD	Tubing Kit, Replacement
1	359VB	Filter, In line 1/8T BR 15 MIC
2	A297E	Lead Wire, Ignition
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)

#### 6100 Compensated Jacket Calorimeter 1 Year Service Kits

<b>Part Number 6109B, 1 Year Service Kit, 6100 with the 1108 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
6	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10 cm
2	4A10	Str Electrode w/ sleeve
2	5A10	Loop Electrode w/ sleeve
2	A297E	Lead Wire, Ignition
1	359VB	Filter In-Line 1/8T BR 15 MIC
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)
1	6008	Kit, 500 Firings Parts 1108/CL



<b>Part Number 6109P, 1 Year Service Kit, 6100 with the 1108P Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6008P	Kit, 500 Firings Parts 1108P/CL
1	840DD2	Heat Wire 60" L (2" per use)
5	845DD2	Ignition Thread 4" 10 g ~1000
6	43AS	Capsule SS
1	3415	Benzoic Acid, 1g, 100 pellets
1	1095DD	Electrode
1	1095DD2	Electrode, Insulated
1	906DD	Capsule Holder
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
1	359VB	Filter, In line 1/8T BR 15 MIC
2	A297E	Lead Wire, Ignition
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)

<b>Part Number 6109R, 1 Year Service Kit, 6100 with the 1108R Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6008R	Kit, 500 Firings Parts 1108R/CL
1	840DD2	Heat Wire 60" L (2" per use)
5	845DD2	Ignition Thread 4" 10 g ~1000
6	43AS	Capsule SS
1	3415	Benzoic Acid, 1g, 100 pellets
1	1095DD	Electrode
1	1095DD2	Electrode, Insulated
1	906DD	Capsule Holder
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
1	359VB	Filter, In line 1/8T BR 15 MIC
2	A297E	Lead Wire, Ignition
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)

<b>Part Number 6109Y, 1 Year Service Kit, 6100 with the 1104 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
2	4A	Str Electrode 667 Alloy
2	5A3	Loop Electrode
2	A297E	Lead Wire, Ignition
6	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10cm
1	3415	Benzoic Acid, 1g, 100 pellets
12	56A	Gasket NBR
1	359VB	Filter, In line 1/8T BR 15 MIC
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)
1	6004	Kit, 500 Firings Parts 1104

<b>Part Number 6109X, 1 Year Service Kit, 6100 with the 1109 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
2	208AC	Fuel Capsule, Inconel
1	3414	Benzoic Acid, 0.2g, 120 pellets
12	357HC	O-ring FKM ¼ ID X 1/16 CS
3	45C10	Fuse Wire Ni Alloy 10 cm
2	A297E	Lead Wire, Ignition
1	1241DD2	Belt, Timing (6100, 6200)
1	1317DD	Lid Seal (6200)
1	359VB	Filter, In line 1/8T BR 15 MIC
1	165AC2GE	Capsule Support Loop Ni-Cr
1	6009	Kit, 500 Firings Parts 1109

<b>Part Number 6109A, 1 Year Service Kit, 6100 with the 1109A Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6009A	Kit, 500 Firings Parts 1109
3	45C10	Fuse Wire Ni Alloy 10 cm
2	208AC	Fuel Capsule, Inconel
1	3414	Benzoic Acid, 0.2g, 120 pellets
1	165AC2GE	Capsule Support Loop Ni-Cr
12	357HC	O-ring FKM ¼ ID X 1/16 CS
1	359VB	Filter, In line 1/8T BR 15 MIC
2	A297E	Lead Wire, Ignition
1	1317DD	Lid Seal (6200)
1	1241DD2	Belt, Timing (6100, 6200)

#### 1341 Plain Jacket Calorimeter 1 Year Service Kits

<b>Part Number 1349B, 1 Year Service Kit, 1341 with the 1108 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
6	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10 cm
2	4A10	Str Electrode w/ sleeve
2	5A10	Loop Electrode w/ sleeve
2	A468E	Ign Wire Spade & Banana (1341)
2	52C	Washer Neoprene
1	37M2	Belt, Drive 0.139 X 15-11/16
1	6008	Kit, 500 Firings Parts 1108/CL

<b>Part Number 1349P, 1 Year Service Kit, 1341 with the 1108P Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6008P	Kit, 500 Firings Parts 1108P/CL
1	840DD2	Heat Wire 60" L
1	845DD	Ignition Thread Spool
6	43AS	Capsule SS
1	3415	Benzoic Acid, 1g, 100 pellets
1	1095DD	Electrode
1	1095DD2	Electrode, Insulated
1	906DD	Capsule Holder
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
2	A468E	Ign Wire Spade & Banana (1341)
1	37M2	Belt, Drive 0.139 X 15-11/16
2	52C	Washer Neoprene

<b>Part Number 1349R, 1 Year Service Kit, 1341 with the 1108R Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	6008R	Kit, 500 Firings Parts 1108R/CL
1	840DD2	Heat Wire 60" L
1	845DD	Ignition Thread Spool
6	43AS	Capsule SS
1	3415	Benzoic Acid, 1g, 100 pellets
1	1095DD	Electrode
1	1095DD2	Electrode, Insulated
1	906DD	Capsule Holder
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
2	A468E	Ign Wire Spade & Banana (1341)
1	37M2	Belt, Drive 0.139 X 15-11/16
2	52C	Washer Neoprene

<b>Part Number 1349Y, 1 Year Service Kit, 1341 with the 1104 Oxygen Bomb</b>		
<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
2	4A	Str Electrode 667 Alloy
2	5A3	Loop Electrode
2	A468E	Ign Wire Spade & Banana (1341)
6	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10cm
1	3415	Benzoic Acid, 1g, 100 pellets
12	56A	Gasket NBR
1	37M2	Belt, Drive 0.139 X 15-11/16
2	52C	Washer Neoprene
1	6004	Kit, 500 Firings Parts 1104

## Spare Parts Kits

Our original kits are still available for purchase. The basic kits are a compilation of replacement parts for the oxygen bombs and the calorimeter. Additionally, you'll see from the parts lists that kits labeled "A" provide a more extensive supply of parts for the user. Kits that are labeled "B" contain primary assemblies for the calorimeters and are intended to supply dealers with service parts.

The part numbers for these kits are listed in the following table.

1241 Calorimeter	1261 & 1266 Calorimeters	1281 Calorimeter	1271 Calorimeter (S/N 1 – 999)	1271A Calorimeter (S/N 1001+)	1351 & 1356 Calorimeter
1249	1269	1289	1279	1279	1359
	1269A				
	1269B				
	1269X (1107)				

6300 Calorimeter	6200 Calorimeter	6100 Calorimeter	1341 Calorimeter
6309	6209	6109	1349

### 1249 Spare Parts Kit

Qty.	Part No.	Description
5	139C	Fuse Slo-Blo, 250V, 2amp
2	143AC	Insulator-Delrin
6	20VB	Valve Seat, PCTFE Material
12	230A	O-ring, NBR, 2-3/8 ID X 1/8 CS
12	238A	O-ring, NBR 3/16ID X 1/16 CS
2	285E	Relay (1241)
6	292DD	Belt Neoprene, 3"ID X 1/8 CS
1	3415	Benzoic Acid, 1g, 100 pellets
12	357HCJB	O-ring, NBR, 1/4ID X 1/16 CS
2	401A	Sleeve Insulator
2	406A	Lock Nut, SS
12	415A	O-ring, NBR, 7/16ID X 1/16 CS
2	417DD	O-ring, NBR, 1/14ID X 1/8 CS
12	43AS	Capsule SS
3	45C10	Fuse Wire, Ni Alloy 10 cm
2	4A10	St. Electrode w/Sleeve
2	5A10	Loop Electrode w/Sleeve
2	89HW2	Solenoid Repair Kit (89HW)
2	96AC	Electrode Insulator
4	A297E	Lead Wire, Ignition

**1269 Spare Parts Kit**

Qty.	Part No.	Description
2	143AC	Insulator-Delrin
6	20VB	Valve Seat Kel-F Material
12	230A	O-ring NBR 2-3/8ID x 1/8CS
12	238A	O-ring NBR 3/16ID x 1/16CS
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8 ID x 1/16CS
2	401A	Sleeve Insulator
2	406A	Lock Nut, SS
12	415A	O-ring NBR 7/16ID x 1/16CS
12	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10cm
2	4A10	St Electrode W/Sleeve
2	5A10	Loop Electrode W/Sleeve
1	89HW2	Solenoid Repair Kit (89HW)
2	96AC	Electrode Insulator
4	A297E	Lead Wire, Ignition

## 1269A Spare Parts Kit

Qty.	Part No.	Description
6	4A10	Straight electrode with sleeve
6	5A10	Loop electrode with sleeve
6	230A	O-ring, NBR, 2-3/8 ID x 1/8 CS
36	238A	O-ring, NBR, 3/16 ID x 1/16 CS
6	278A3	Reducing bushing
2	378A	Packing cup
2	388A	Spacer
1	400A	Valve needle
6	401A	Sleeve insulator
2	402A	Electrode core
1	403A	Check valve
6	404A2	Deflector nut
6	406A	Lock nut, SS
12	415A	O-ring, NBR, 7/16 ID x 1/16 CS
6	96AC	Electrode insulator
2	143AC	Insulator-delrin
12	45C10	Fuse Wire, Ni alloy, 10 cm
6	149C	In-line filter
6	263C	Paper, printer 40 column
4	264C	Ribbon, replacement 1755/6
6	844DD	Filter, coarse fan
5	139E2	Fuse, 1.5A 3AG normal-blo
25	139E8	Fuse, 3AG slo-blo 250V 2.5 AMP
5	185E	Fuse, slo-blo 5 AMP 250V
6	A297E	Lead wire
5	959E	Fuse, 1.0A fast-act rectifier
5	959E4	Fuse, 7.0A fast-act rectifier
12	7VBCM	Washer, Monel
12	20VB	Valve seat, Kel-F material
12	214VB	Ferrule set, brass 1/8T
12	218VB	Ferrule set, brass 1/4T
12	222VB	Ferrule set, brass 3/8T
1	359VB	Filter, in-line 1/8T
84 inches	JR0056TB125A	5/16 ID x .125 W latex black
10 feet	HJ0025TB035	Tubing, nylon 1/4 OD x .035W
36 inches	HM0037TB062	3/8 OD x 1/4 ID polyethylene
25 feet	HX0012TB024	Tubing, pressure 1/8 OD nylon
74 inches	HX0038TB062	Tubing, bev-a-line, 3/8 OD
18 inches	HX0062TB062	Tubing, bev-a-line, 5/8 OD

### 1269B Spare Parts Kit

Qty.	Part No.	Description
1	549DD	Spring, gas
1	A591DDEE	Heater assembly, 230V
1	A592DD	Thermoswitch assembly
1	A593DDEF	Pump/motor assembly, 240V
1	A594DDEF	Motor assembly, stirrer 240V
1	A595DDEE	Solenoid assembly, water 230V
1	A596DDEE	Solenoid assembly, oxygen 230V
1	A598DD	Pressure switch assembly
1	A633DDEF	Pump/motor assembly 240V
1	893E	Thermistor, 1/8 OD SS 7.8"L
1	982E	Thermoswitch
1	180HWEA	Solenoid, 1/8 NPTF

### 1269X Spare Parts Kit

Qty.	Part No.	Description
12	107AC	Washer Alloy 400
1	1144E	Lead Wire, In-line Jacks 24"L
12	208AC	Fuel Capsule, Inconel
2	23AC	Electrode Hook
12	24CJV	Insulator
12	251AC	Quad-ring NBR 5/32ID x 1/16CS
12	25C2	Mica Washer
12	27ACJN	Gasket Low Sulphur Neoprene
1	3414	Benzoic Acid, 0.2g, 120 pellets
12	357HC	O-ring FKM 1/4ID x 1/16CS
3	45C10	Fuse Wire Ni Alloy 10cm
1	89HW2	Solenoid Repair Kit (89HW)
4	A297E	Lead Wire, Ignition

## 1279 Spare Parts Kit

Qty.	Part No.	Description
12	519AJV	O-ring FKM .070ID x .070CS
1	643DD	Pin, Check Valve
6	644DD	O-ring NBR .741ID x .103CS
1	651DD	Electrode, Straight (1271)
1	652DD	Electrode, Loop (1271)
2	653DD	Nut, Electrode
1	654DD	Electrode Washer, Ceramic
1	655DD	Electrode Spacer
1	656DD	Reducer Bushing
1	657DD	Electrode Core
1	658DD	Insulator, TFE
12	659DD	O-ring NBR .145ID x .070CS
1	663DD	Contact Bushing, Delrin
12	667DDJV	Quad Ring FKM 1.609ID x .139CS
1	668DD	Check Valve Head
12	699DD	O-ring NBR .112 ID x 103CS
12	712HC	O-ring NBR 5/16ID x 1/16CS
12	821DD	O-ring .056ID x .060CS NBR
1	840DD2	Fuse Wire, 60" L
4	843DD	Holder, Wire
1	845DD	Thread, Ignition; Spool
1	859DD	Coupler Centerpiece, Nylon
12	882DD	O-ring NBR .487ID x .102CS
6	1071DD	Quad Ring NBR 2.88ID x .125CS
10	PA0948RD04	3-48 x 1/4 RHMS T316SS
6	43AS	Capsule SS
1	1096DD	Quad Ring NBR .125 ID x .09CS
2	1341E	Contact Strip; Ignition
1	3415	Benzoic Acid, 1g, 100 pellets



**1289 Spare Parts Kit**

Qty.	Part No.	Description
1	907DD	Check Valve, Head
6	1081DD	Quad ring NBR (1136)
1	906DD	Capsule Holder (1136)
1	654DD	Electrode Washer, Ceramic
1	655DD	Electrode Spacer
1	658DD	PTFE Insulator
12	659DD	O-ring NBR 5/32 ID X 1/16 CS
1	663DD	Contact Bushing
12	667DDJV	Quad ring FKM 1.484 ID X .139 CS
1	668DD	Check Valve
12	821DD	O-ring NBR 1/16 ID X 1/16 CS
1	840DD2	Heat Wire 60" L (2" per use)
1	845DD	Ignition Thread Spool
12	1374HCJV	O-ring FKM 1/8 ID X 1/16 CS
12	394HC	O-ring NBR 3/8 ID X 3/32 CS
12	882DD	O-ring NBR 1/2 ID X 3/32 CS
1	3415	Benzoic Acid, 1g, 100 pellets
6	43AS	Capsule SS
12	969DD	O-ring NBR 1/2 ID X 1/8 CS
12	357HCJB	O-ring NBR 1/4 ID X 1/16 CS
12	944DD	O-ring NBR 1/4 ID X 3/32 CS
12	857DD	O-ring NBR 3/8 ID X 3/32 CS
1	1094DD	Electrode Long (1136)
1	1095DD	Electrode (1108P/ A416A5)

**6309 Spare Parts Kit**

Qty.	Part No.	Description
1	643DD	Check Valve, Head
1	906DD	Capsule Holder (1136)
6	654DD	Electrode Washer, Ceramic
1	655DD	Electrode Spacer
2	658DD	PTFE Insulator
12	659DDJU	O-ring Urethane 5/32 ID X 1/16 CS
2	663DD	Contact Bushing
1	668DD	Check Valve
5	845DD2	Ignition Thread 4" 10 g ~1000
1	3415	Benzoic Acid, 1g, 100 pellets
6	43AS	Capsule SS
12	944DD	O-ring NBR 1/4 ID X 3/32 CS
12	857DD	O-ring NBR 3/8 ID X 3/32 CS
1	1094DD	Electrode Long (1136)
1	1095DD	Electrode (1108P/ A416A5)
12	PA1332RD04	6-32 X 1/4 RHMS T316
6	149C	In-line Filter
1	1245DD	Filter, Water; Brass Mini 1/4 M

**6209 Spare Parts Kit**

Qty.	Part No.	Description
2	143AC	Insulator, Delrin
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
12	43AS	Capsule, SS
3	45C10	Fuse Wire Ni Alloy 10cm
2	4A10	Straight Electrode w/ Sleeve
2	5A10	Loop Electrode w/ Sleeve
4	A297E	Lead Wire, Ignition

**6109 Spare Parts Kit**

Qty.	Part No.	Description
2	143AC	Insulator, Delrin
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8 ID X 1/16 CS
12	43AS	Capsule, SS
3	45C10	Fuse Wire Ni Alloy 10cm
2	4A10	Straight Electrode w/ Sleeve
2	5A10	Loop Electrode w/ Sleeve
4	A297E	Lead Wire, Ignition

**1349 Spare Parts Kit**

Qty.	Part No.	Description
2	143AC	Insulator-Delrin
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring NBR 3/8 ID x 1/16 CS
3	37M2	Belt Neoprene 4-3/4ID x 1/8CS
12	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10 cm
2	4A10	St Electrode W/Sleeve
2	52C	Washer Black Neoprene
2	5A10	Loop Electrode W/Sleeve
2	A468E	Ignition Wire Spade & Banana

**1359 Spare Parts Kit**

Qty.	Part No.	Description
2	143AC	Insulator-Delrin
6	20VB	Valve Seat PCTFE Material
12	230A	O-ring NBR 2-3/8ID x 1/8CS
12	238A	O-ring NBR 3/16ID x 1/16CS
1	3415	Benzoic Acid, 1g, 100 pellets
12	394HCJE	O-ring EP 3/8ID x 1/16CS
2	401A	Sleeve Insulator
2	406A	Lock Nut, SS
12	415A	O-ring NBR 7/16 ID x 1/16 CS
12	43AS	Capsule SS
3	45C10	Fuse Wire Ni Alloy 10cm
2	4A10	St Electrode W/Sleeve
2	5A10	Loop Electrode W/Sleeve
2	96AC	Electrode Insulator
4	A297E	Lead Wire, Ignition



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