



RESIDENTIAL GAS REPLACEMENT PARTS LIST

Combi2™ Model



"CDW2" Series

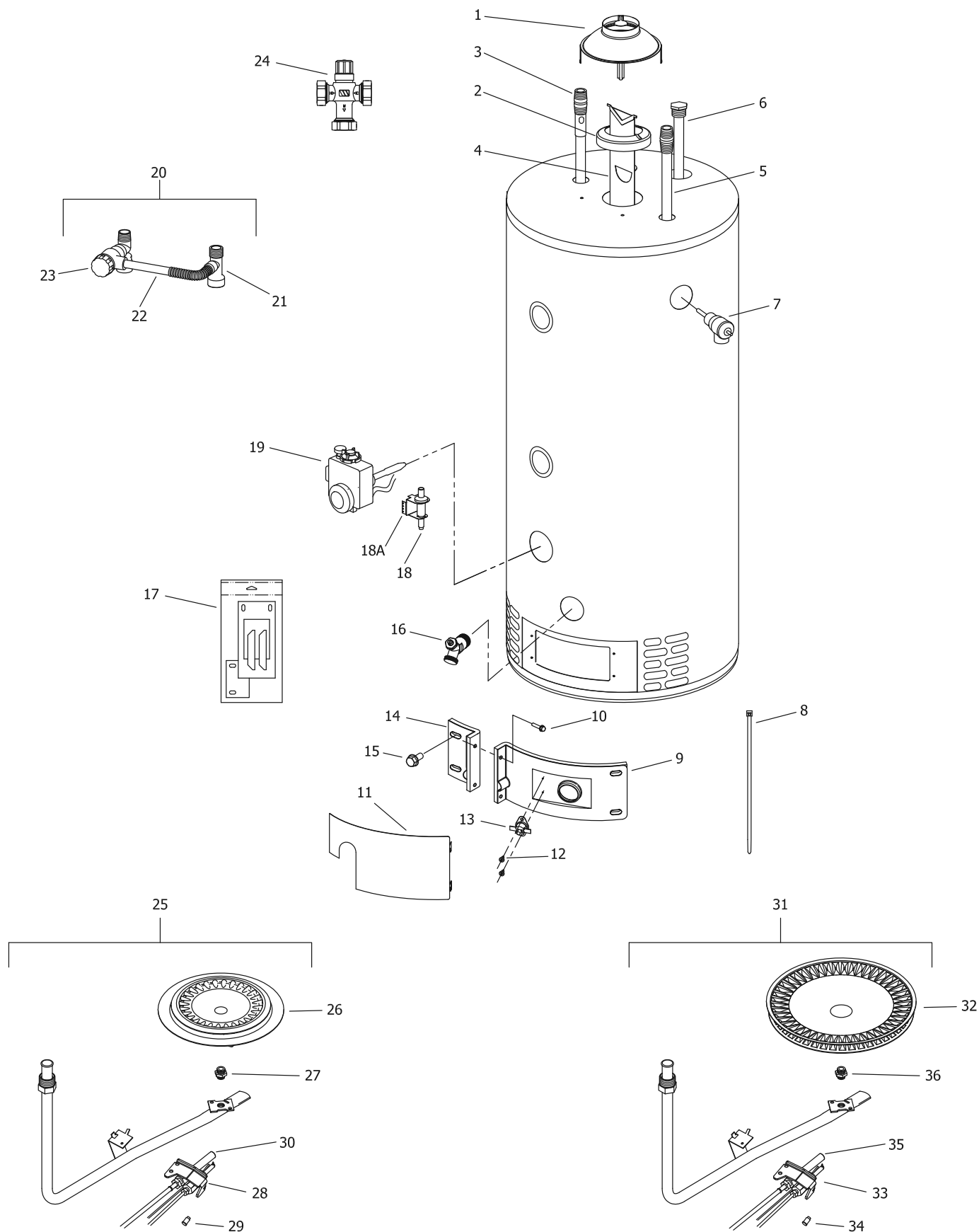
DEFENDER
SAFETY SYSTEM®

Includes Hydrojet®
Total Performance System

Effective: April, 2012
ECO 7946

NOTE: BOTH MODEL AND SERIAL
NUMBERS ARE REQUIRED FOR
ORDERING REPLACEMENT PARTS

Dimensions and specifications
subject to change without notice.



NATURAL GAS (BN) BURNER ASSEMBLY

LP GAS (SX) BURNER ASSEMBLY

LP GAS (SX) BURNER ASSEMBLY TO REPLACE LP GAS (CX) BURNER ASSEMBLY
ON ALL MODELS EXCEPT 75 & 100 GAL. MODELS

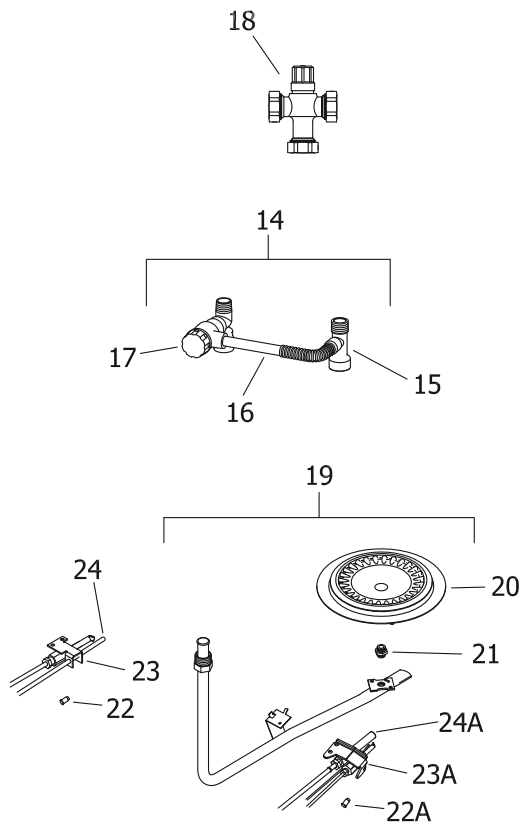
Item	Description	Model
		CDW2504T10F(BN,CX,SX)
1	Draft Hood	243-33081-02-20
2	Flue Reducer	243-36920-00
3	Hot Water Outlet Anode Aluminum	224-32999-30
	A420 (Aluminum Anode)#	224-49560-08
4	Flue Baffle	243-41037-00
5	Cold Water Inlet Dip Tube Polysulfone	229-39628-19
6	Plug Type Anode Aluminum	224-38508-03
7	T&P Relief Valve	230-40594-02
8	Wire Tie	239-44328-00
9	Right Side Inner Door Complete ♦	239-43963-07
10	Screw-#8-18 x 3/4 HWH	239-44195-00
11	Outer Door	243-43962-00
12	Screw-#6-20 x 3/8 PHCR	239-43967-00
13	Resettable Thermal Switch	239-43676-02
14	Left Side Inner Door Complete	239-43968-18
15	Screw-#10-12 x 3/4 HWH	239-44113-00
16	Brass Drain Valve	265-42351-02
17	Inner Door Gasket Kit	239-44078-00
18	Piezo Igniter	239-43448-00
18A	Piezo Bracket White Rodgers	239-46157-02
	Piezo Bracket Robertshaw	239-46157-01
19	White Rodgers Combination Gas Valve Natural Gas	265-46367-02
	White Rodgers Combination Gas Valve LP Gas	265-46368-03
20	Kit-Integrated Mixing Device (The Optimizer)	239-46225-01
21	Inlet Tee (The Optimizer)	239-45632-00
22	Flexible Connector (The Optimizer)	239-46347-02
23	Outlet Mixing Device (The Optimizer)	239-45631-00
24	ASSE Approved Mixing Valve (Optional)	239-43740-01
Natural Gas BN Burner Assembly		
25	Nat. Gas Burner Assembly Complete**	265-47439-05-27
26	Nat. Gas BN Burner**	228-42506-00
27	Nat. Gas Main Burner Orifice*	234-41034-27
	Nat. Gas High Altitude 2000 Ft. to 5000 Ft.*	234-41034-29
	Nat. Gas High Altitude 5000 Ft. to 8000 Ft.*	234-41034-30
	Nat. Gas High Altitude Over 8000 Ft.*	234-41034-31
28	Nat. Gas Pilot Assembly*	233-40248-04
29	Nat. Gas Pilot Orifice*	234-46502-05
30	Thermocouple*	233-46501-15
LP Gas SX Burner Assembly Replacement for LP Gas CX Cast Iron Burner		
31	LP Gas Burner Assembly Complete**	265-47440-08-43
32	LP Gas SX Burner*	228-47000-00
33	LP Gas Pilot Assembly*	233-40261-02
34	LP Gas Pilot Orifice*	234-46502-05
35	Thermocouple*	233-46501-24
36	LP Gas Main Burner Orifice*	234-47064-43
	LP Gas High Altitude 2000 Ft. to 5000 Ft.*	234-47064-44
	LP Gas High Altitude 5000 Ft. to 8000 Ft.*	234-47064-47
	LP Gas High Altitude Over 8000 Ft.*	234-47064-48
	LP to Natural Gas Conversion Kit (Norm Alt.)	265-45712-25
	LP to Natural Gas Conversion Kit (High Alt.)	265-45712-26

* Inner door gasket kit (item 17) recommended.

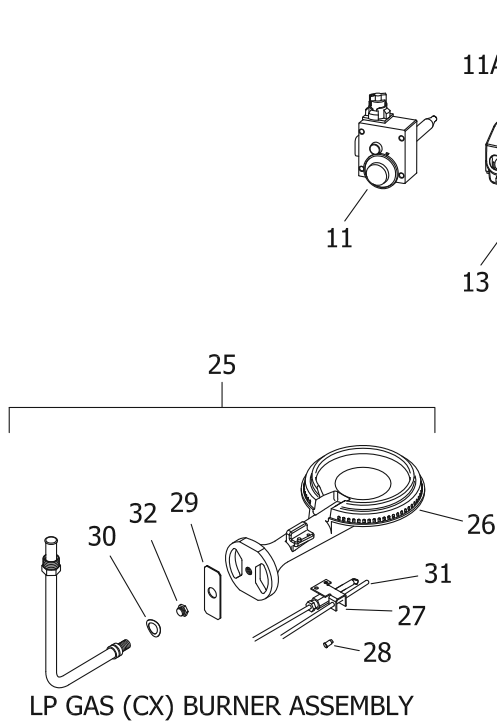
** Ordering a complete burner assembly may increase delivery time. Please order the specific component required for the quickest delivery.

♦ Includes item 13.

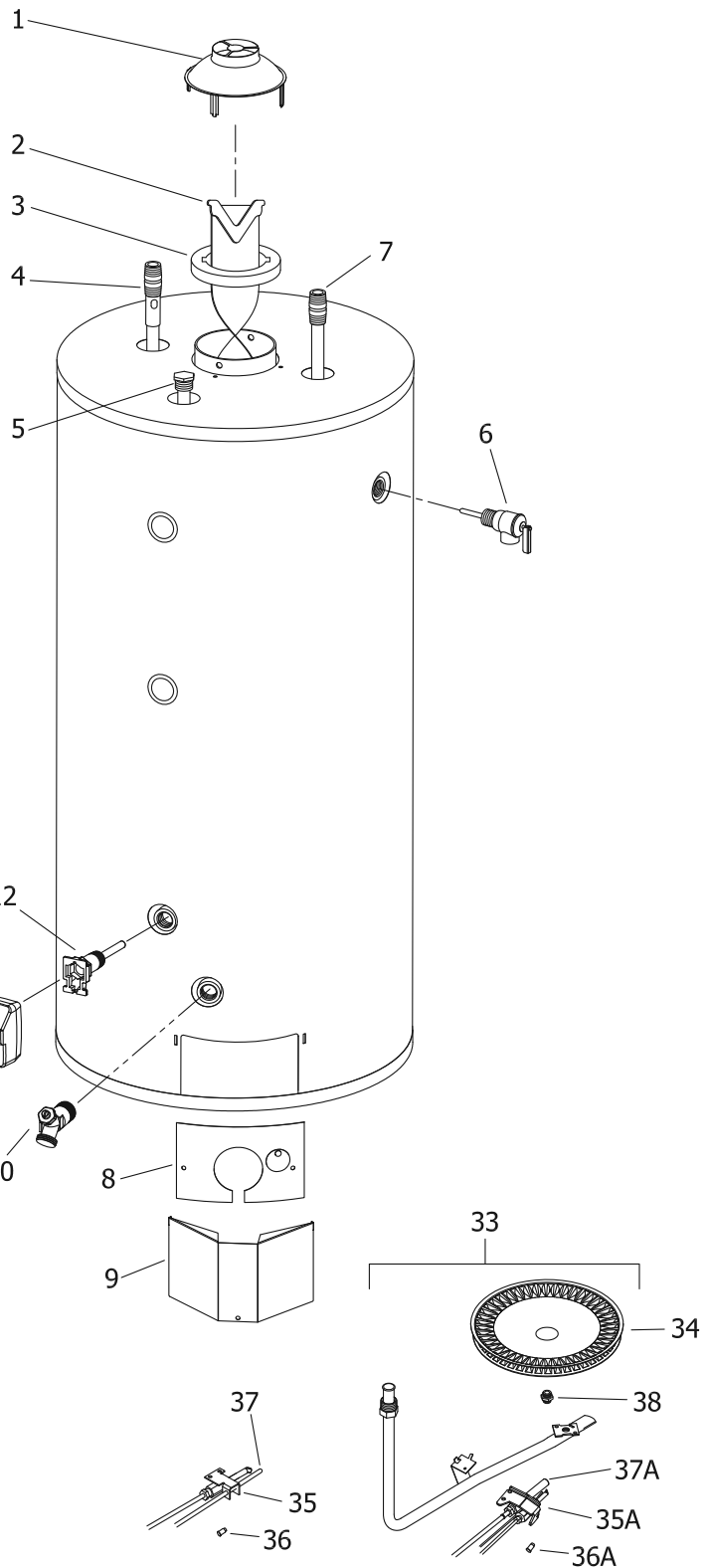
A420 Anode may need to be cut to length



NATURAL GAS (BN) BURNER ASSEMBLY



LP GAS (CX) BURNER ASSEMBLY



LP GAS (SX) BURNER ASSEMBLY

LP GAS (SX) BURNER ASSEMBLY TO REPLACE LP GAS (CX) BURNER ASSEMBLY
ON ALL MODELS EXCEPT 75 & 100 GAL. MODELS

Item	Description	Model
		C(D,S)W275T10(BN,CX,SX)
1	Draft Hood	239-12950-00
2	Flue Baffle	243-39975-00
3	Flue Reducer	243-36920-00
4	Hot Water Outlet Anode Aluminum	224-32999-21
5	Plug Type Anode Aluminum	224-38508-03
	Plug Type Anode (A420)#	224-49539-04
6	T&P Valve	230-40594-02
7	Cold Water Inlet Dip Tube	229-45092-01
8	Inner Door	243-39207-00
9	Outer Door	243-37177-00
10	Brass Drain Valve	227-42351-02
11	White Rodgers Combination Gas Valve Natural Gas	265-46365-02 °
	White Rodgers Combination Gas Valve LP Gas	265-46366-02 °
11A	Honeywell Combination Gas Valve Natural Gas	265-46990-02 ¹
	Honeywell Combination Gas Valve LP Gas	265-46991-02 ¹
12	Thermowell	239-45651-02 ¹
13	Intermediate Harness	239-46995-00 ¹
14	Kit integrated Mixing Device	239-46225-01
15	Inlet Tee	239-45632-00
16	Flexible Connector	239-46347-02
17	Outlet Mixing Device	239-45631-00
18	ASSE Approved Mixing Valve (Optional)	239-43740-01
Natural Gas BN Burner Assembly		
19	Nat. Gas Burner Assembly Complete**	265-46998-01-22 ¹
	Nat. Gas Burner Assembly Complete**	265-43979-03-22 °
20	Nat. Gas BN Burner**	228-42506-00
21	Nat. Gas Main Burner Orifice	234-41034-22
	Nat. Gas High Altitude 2000 Ft. to 5000 Ft.	234-41034-26
	Nat. Gas High Altitude 5000 Ft. to 8000 Ft.	234-41034-26
	Nat. Gas High Altitude Over 8000 Ft.	234-41034-30
22	Nat. Gas Pilot Orifice (White Rodgers)	234-46502-05 °
22A	Nat. Gas Pilot Orifice (Honeywell)	234-47098-01 ¹
23	Nat. Gas Pilot (White Rodgers)	233-46277-03 °
23A	Kit-Nat. Gas Pilot Assembly (Honeywell)	239-47492-01 ¹
24	Thermocouple (White Rodgers)	233-46501-24 °
24A	Kit-Thermopile (Honeywell)	239-47446-00 ¹
LP Gas CX Burner Assembly		
25	LP Gas Burner Assembly Complete**	265-41876-24-38
26	LP Gas Cast Iron Burner	228-14173-00
27	LP Gas Pilot Assembly (White Rodgers)	233-40261-03 °
28	LP Gas Pilot Orifice (White Rodgers)	234-46502-02 °
29	Air Shutter	239-35466-00
30	Air Shutter Nut	239-18197-00
31	Thermocouple (White Rodgers)	233-46501-24 °
32	LP Gas Main Burner Orifice	234-35928-38
	LP Gas High Altitude 2000 Ft. to 5000 Ft.	234-35928-42
	LP Gas High Altitude 5000 Ft. to 8000 Ft.	234-35928-43
	LP Gas High Altitude Over 8000 Ft.	234-35928-43
LP Gas SX Burner Assembly		
33	LP Gas SX Burner Assembly Complete**	265-47011-02-38
34	LP Gas SX Burner	228-46938-00
35	LP Gas Pilot (White Rodgers)	233-46278-03
35A	Kit-LP Gas Pilot Assembly (Honeywell)	239-47492-02 ¹
36	LP Gas Pilot Orifice (White Rodgers)	234-46502-02 °
36A	LP Gas Pilot Orifice (Honeywell)	234-47098-02 ¹
37	Thermocouple (White Rodgers)	233-46501-24 °
37A	Kit-Thermopile (Honeywell)	239-47446-00 ¹
38	LP Gas Main Burner Orifice	234-47064-38
	LP Gas High Altitude 2000 Ft. to 5000 Ft.	234-47064-42
	LP Gas High Altitude 5000 Ft. to 8000 Ft.	234-47064-43
	LP Gas High Altitude Over 8000 Ft.	234-47064-43
	LP to Natural Gas Conversion Kit (Norm Alt.)	265-45754-07
	LP to Natural Gas Conversion Kit (High Alt.)	265-45754-08

** Ordering a complete burner assembly may increase delivery time. Please order the specific component required for the quickest delivery.

° Serial # prior to EF10694503.

¹ Serial # EF10694504 and after.

A420 Anode may need to be cut to length



For U.S. and Canada field service,
contact your professional installer or
local Bradford White sales representative.

Sales/800-523-2931
Fax/215-641-1670
Parts Fax/215-641-2180

Technical Support/800-334-3393
Fax/269-795-1089

Warranty/800-531-2111
Fax/269-795-1089

International:
Telephone/215-641-9400
Telefax/215-641-9750



Sales/866-690-0961
905-238-0100

Fax/905-238-0105

Technical Support/800-334-3393

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