



RESIDENTIAL GAS REPLACEMENT PARTS LIST

Direct Vent Energy Saver Models



"DS" Series

DEFENDER
SAFETY SYSTEM®

Includes Hydrojet®
Total Performance System

Effective: August, 2013
ECO 7817

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

Dimensions and specifications
subject to change without notice.

Item	Description	Model	Model	Model	Model
		DS140S*F(BN,CX, SX)	DS140S*F(BN,SX) (-ONLY,-FLEX,-SOLID)	DS150S*F(BN,CX, SX)	DS150S*F(BN,SX) (-ONLY,-FLEX,-SOLID)
1	Vent Package (Solid)	239-41097-00	239-47810-00	239-41097-00	239-47810-00
	Vent Package (Flexible)	---	239-47812-00	---	239-47812-00
2	Direct Vent-Air Intake Terminal (Flexible & Solid)	239-41425-00	239-41425-00	239-41425-00	239-41425-00
3	Outer Wall Mounting Plate (Flexible & Solid)	239-41431-00	239-41431-00	239-41431-00	239-41431-00
4	Inner Wall Mounting Plate (Flexible & Solid)	239-41433-00	239-41433-00	239-41433-00	239-41433-00
5	Five inch Diameter Telescopic Air Intake Tube (Solid Only)	239-41006-00	239-41006-00	239-41006-00	239-41006-00
6	Three inch Diameter Telescopic Vent Tube (Solid Only)	239-41005-00	239-41005-00	239-41005-00	239-41005-00
7	Five inch Diameter Elbow (Solid Only)	239-41007-00	239-41007-00	239-41007-00	239-41007-00
8	Three inch Diameter Elbow (Solid Only)	239-41008-00	239-41008-00	239-41008-00	239-41008-00
9	Plenum	239-41010-00	239-47663-00	239-41010-00	239-47663-00
10	Flue Reducer	239-41009-00	239-41009-00	239-41009-00	239-41009-00
11	Plenum Gasket	239-41070-01	239-41070-01	239-41070-01	239-41070-01
12	Air Intake Tube ♦	239-41012-01	239-50099-01	239-41012-02	239-50099-02
13	Flue Baffle	243-44648-00	243-47511-00	243-44648-00	243-47412-00
14	Heat Trap Insert (Inlet)	239-45073-00	239-45073-00	239-45073-00	239-45073-00
15	Cold Water Inlet Dip Tube Polysulfone ▲▲	229-39628-04	229-39628-04	229-39628-06	229-39628-06
16	Hot Water Outlet Anode Magnesium ▲	224-32731-81	224-32731-81	224-32731-82	224-32731-82
	Aluminum ▲	224-32999-31	224-32999-31	224-32999-06	224-32999-06
	A420 Aluminum ▲#	224-49560-08	224-49560-08	224-49560-08	224-49560-08
17	Heat Trap Insert (Outlet)	239-45167-00	239-45167-00	239-45167-00	239-45167-00
18	T&P Relief Valve	230-32920-01	230-32920-01	230-32920-01	230-32920-01
19	Wire Tie	239-44328-00	239-44328-00	239-44328-00	239-44328-00
20	Direct Vent Boot Escutcheon	243-46922-00	---	243-46922-00	---
21	Air Intake Boot	239-46755-01	239-47771-18	239-46755-01	239-47771-18
22	Air Intake Boot Gasket	223-41067-00	w/ Intake Boot	223-41067-00	w/ Intake Boot
23	Right Side Inner Door	239-45642-18	239-45642-18	239-45642-18	239-45642-18
24	Left Side Inner Door	239-43968-18	239-43968-18	239-43968-18	239-43968-18
25	Screw-#10-12 x 3/4 HWH	239-44113-00	239-44113-00	239-44113-00	239-44113-00
26	Screw-#8-18 x 3/4 HWH	239-44195-00	239-44195-00	239-44195-00	239-44195-00
27	Brass Drain Valve	265-42351-02	265-42351-02	265-42351-02	265-42351-02
28	Piezo Igniter (White Rodgers)	239-43448-00	239-43448-00	239-43448-00	239-43448-00
29	Piezo Igniter Bracket (White Rodgers)	239-46157-02	239-46157-02	239-46157-02	239-46157-02
30	Outer Door	243-43962-00	243-43962-00	243-43962-00	243-43962-00
31	Gas Control Direct Replacement Natural Gas	239-47463-01	239-47463-01	239-47463-01	239-47463-01
	Gas Control Direct Replacement LP Gas	239-47465-01	239-47465-01	239-47465-01	239-47465-01
	Gas Control Universal Replacement Natural Gas	239-47851-00	239-47851-00	239-47851-00	239-47851-00
	Gas Control Universal Replacement LP Gas	239-47856-00	239-47856-00	239-47856-00	239-47856-00
32	Coupler (2 Required) ♦	---	239-50102-00	---	239-50102-00

*Applies to all warranties

**Inner door gasket kit recommended

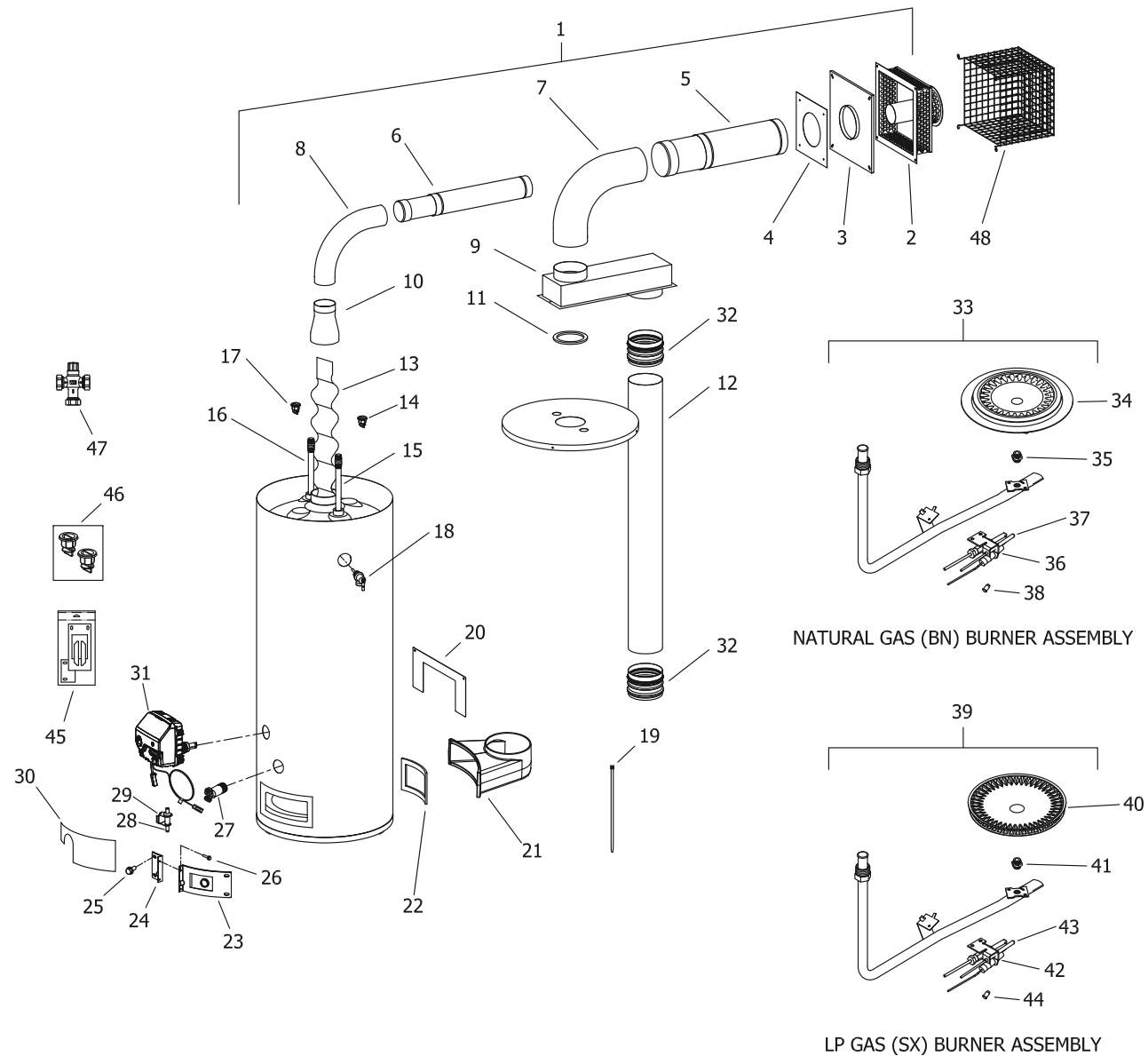
***Ordering a complete burner assembly may increase delivery time. Please order the specific component required for the quickest delivery.

A420 Anode may need to be cut to length

▲ Order with item 17

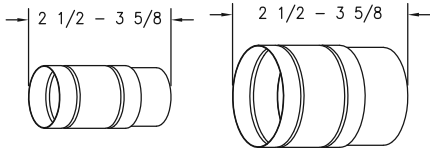
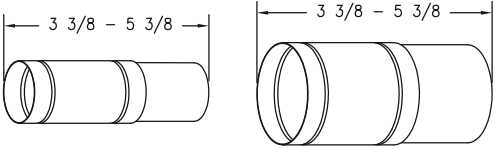
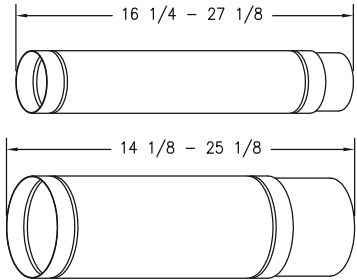
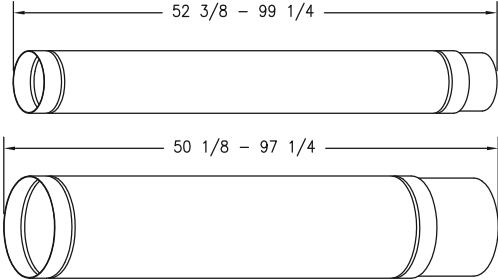
▲▲ Order with item 14

♦ Air intake tube (item 12) must be ordered with coupler (item 32).



Item	Description	Model DS140S*F(BN,CX, SX)	Model DS140S*F(BN,SX) (-ONLY,-FLEX,-SOLID)	Model DS150S*F(BN,CX, SX)	Model DS150S*F(BN,SX) (-ONLY,-FLEX,-SOLID)
	Natural Gas BN Burner Assembly				
33	Nat Gas Burner Assembly Complete***	265-47439-07-33	265-48110-01-33	265-47439-07-32	265-48110-01-32
34	Nat. Gas BN Burner**	228-42506-00	228-42506-00	228-42506-00	228-42506-00
35	Nat. Gas Main Burner Orifice**	234-41034-33	234-41034-33	234-41034-32	234-41034-32
	Nat. Gas High Altitude 2001 Ft. to 5000 Ft.**	234-41034-36	234-41034-36	234-41034-36	234-41034-36
	Nat. Gas High Altitude 5001 Ft. to 8000 Ft.**	234-41034-36	234-41034-36	234-41034-38	234-41034-38
	Nat. Gas High Altitude Over 8000 Ft.**	234-41034-40	234-41034-40	234-41034-38	234-41034-38
36	Nat. Gas Pilot Assembly (White Rodgers)**	233-46277-04	233-46277-04	233-46277-04	233-46277-04
	Nat. Gas Pilot Assembly (Honeywell)**	233-48077-03	233-48077-03	233-48077-03	233-48077-03
37	Thermocouple (White Rodgers)**	233-46501-24	233-46501-24	233-46501-24	233-46501-24
38	Nat. Gas Pilot Orifice (White Rodgers)**	234-46502-05	234-46502-05	234-46502-05	234-46502-05
	LP Gas SX Burner Assembly				
	Replacement for LP Gas Cast Iron Burner				
39	LP Gas Burner Assembly Complete***	265-47440-11-50	265-48111-01-50	265-47440-11-49	265-48111-01-49
40	LP Gas SX Burner**	228-46964-00	228-46964-00	228-46964-00	228-46964-00
41	LP Gas Main Burner Orifice**	234-47064-50	234-47064-50	234-47064-49	234-47064-49
	LP Gas High Altitude 2001 Ft. to 5000 Ft.**	234-47064-51	234-47064-51	234-47064-51	234-47064-51
	LP Gas High Altitude 5001 Ft. to 8000 Ft.**	234-47064-52	234-47064-52	234-47064-52	234-47064-52
	LP Gas High Altitude Over 8000 Ft.**	234-47064-53	234-47064-53	234-47064-52	234-47064-52
42	LP Gas Pilot Assembly (White Rodgers)**	233-46278-03	233-46278-03	233-46278-03	233-46278-03
	LP Gas Pilot Assembly (Honeywell)**	233-48078-03	233-48078-03	233-48078-03	233-48078-03
43	Thermocouple (White Rodgers)**	233-46501-24	233-46501-24	233-46501-24	233-46501-24
44	LP Gas Pilot Orifice (White Rodgers)**	234-46502-02	234-46502-02	234-46502-02	234-46502-02
45	Inner Door Gasket Kit	239-44078-00	239-44078-00	239-44078-00	239-44078-00
46	Heat Trap Insert Kit	265-45420-00	265-45420-00	265-45420-00	265-45420-00
47	ASSE Approved Mixing Valve (Optional)	239-43740-01	239-43740-01	239-43740-01	239-43740-01
48	Direct Vent-Air Intake Terminal Guard (Optional)	239-41453-00	239-41453-00	239-41453-00	239-41453-00
-	LP to Natural Gas Conversion Kit (Norm Alt.)	265-45712-31	265-45712-51	265-45712-32	265-45712-52
-	LP to Natural Gas Conversion Kit (High Alt.)	265-45712-36	265-45712-56	265-45712-37	265-45712-57

SOLID VENT KITS

 SILICONE SEALANT  BAG OF MOUNTING HARDWARE  DIRECT VENT-AIR INTAKE KIT A PART NO. 239-41260-00 (OPTIONAL)	 SILICONE SEALANT  BAG OF MOUNTING HARDWARE  DIRECT VENT-AIR INTAKE KIT B PART NO. 239-41331-00 (OPTIONAL)
 SILICONE SEALANT  BAG OF MOUNTING HARDWARE  DIRECT VENT-AIR INTAKE KIT C PART NO. 239-41029-00 (OPTIONAL) ABOVE TUBE LENGTHS SUPPLIED WITH HEATER	 SILICONE SEALANT  BAG OF MOUNTING HARDWARE  DIRECT VENT-AIR INTAKE KIT D PART NO. 239-41424-00 (OPTIONAL)

SOLID VENT KITS

		Horizontal "X"				
		13 1/4 14 3/16	15 17 11/16	22 1/4 32 3/16	36 55 7/8	58 5/16 104 5/16
Vertical "Y"	10	order kit A 239-41260-00	order kit B 239-41331-00	no add'l kit req'd	order kit C 239-41029-00	order kit D 239-41424-00
	14 3/4 15 11/16	order kit A *(2) 239-41260-00	order kit A & B 239-41260-00 239-41331-00	order kit A 239-41260-00	order kit A & C 239-41260-00 239-41029-00	order kit A & D 239-41260-00 239-41424-00
	16 1/2 19 3/16	order kit A & B 239-41260-00 239-41331-00	order kit B *(2) 239-41331-00	order kit B 239-41331-00	order kit B & C 239-41331-00 239-41029-00	order kit B & D 239-41331-00 239-41424-00
	23 3/4 33 11/16	order kit A 239-41260-00	order kit B 239-41331-00	order kit C 239-41029-00	order kit C *(2) 239-41029-00	order kit D 239-41424-00
	37 1/2 57 3/8	order kit A & C 239-41260-00 239-41029-00	order kit B & C 239-41331-00 239-41029-00	order kit C *(2) 239-41029-00	order kit C *(3) 239-41029-00	order kit C & D 239-41029-00 239-41424-00
	59 13/16 105 13/16	order kit A & D 239-41260-00 239-41424-00	order kit B & D 239-41331-00 239-41424-00	order kit D 239-41424-00	order kit C & D 239-41029-00 239-41424-00	order kit D *(2) 239-41424-00

*(2) = Order two kits

*(3) = Order three kits

FLEXIBLE VENT KITS

Vertical Vent Height + Horizontal Vent Length	Kit Part Number
Less than 100 inches	239-47812-00
More than 100 inches	N/A*

*Do not attempt to use flexible vent hose at a distance greater than 100 inches.



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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