



RESIDENTIAL & LIGHT DUTY COMMERCIAL GAS REPLACEMENT PARTS LIST

High-Input Direct Vent Models



Models Covered:

RG2DV40S*(N,X)
(-OLY,-FLX,-SLD) (-500)
RG2DV50S*(N,X)
(-OLY,-FLX,-SLD) (-500)
RG2DV50H*(N,X)
(-OLY,-FLX,-SLD) (-500)
LG2DV50H50*(N,X)
(-OLY,-FLX,-SLD) (-500)
(*) Denotes Warranty Years

DEFENDER
SAFETY SYSTEM®

Includes Hydrojet®
Total Performance System

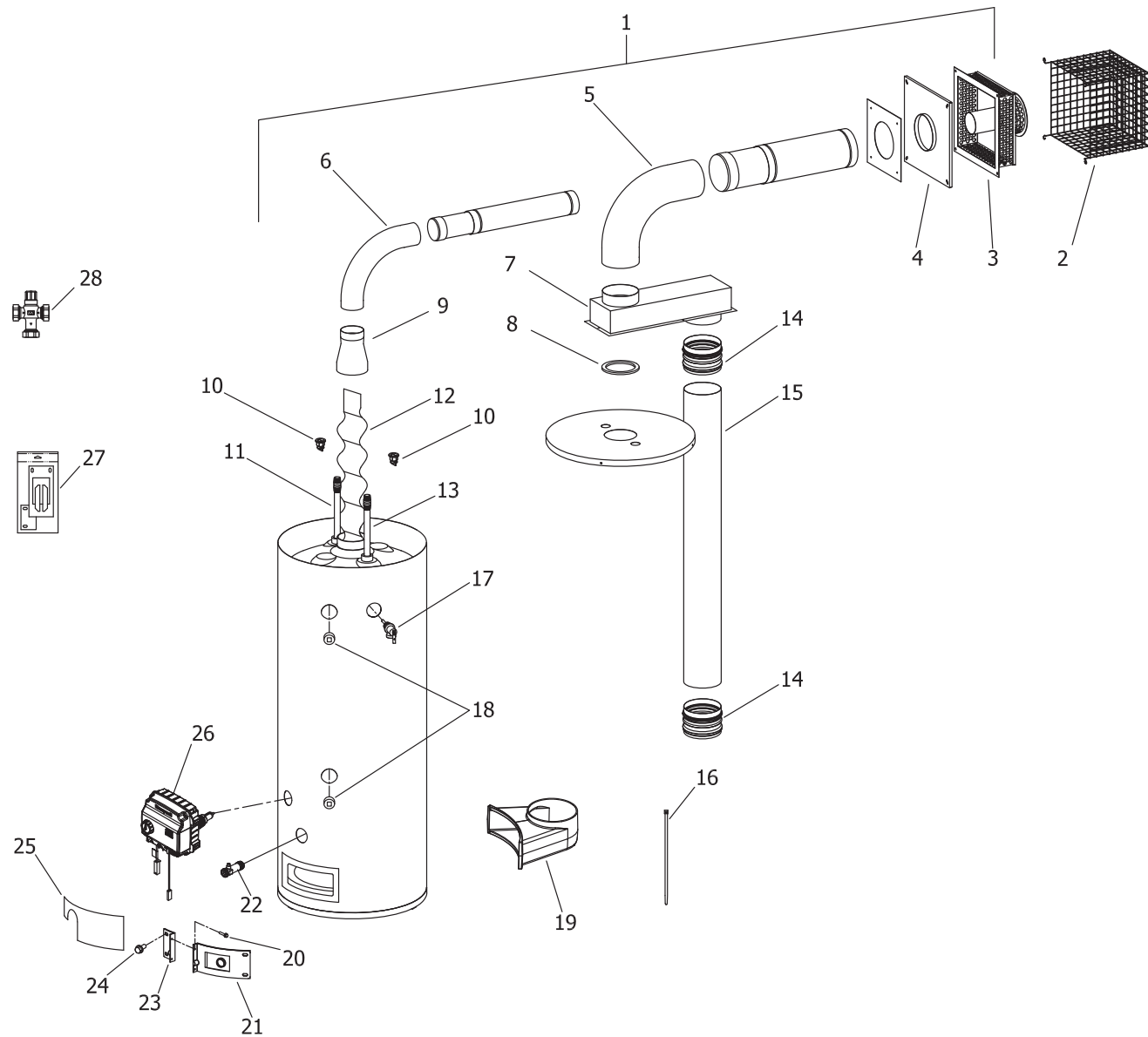
Effective: August, 2020
ECO 8255

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

Dimensions and specifications
subject to change without notice.



As required by the state of California Proposition 65.



Item	Description	Model RG2DV40S*(N,X) (-OLY,-FLX,-SLD)	Model RG2DV50S*(N,X) (-OLY,-FLX,-SLD)	Model RG2DV50H*(N,X) (-OLY,-FLX,-SLD)	Model LG2DV50H50*(N,X) (-OLY,-FLX,-SLD)
1	Aluminum Venting (Solid)	239-51283-00	239-51283-00	239-51286-00	239-51286-00
	Aluminum Venting (Flexible)	239-51284-00	239-51284-00	239-51287-00	239-51287-00
2	Direct Vent-Air Intake Terminal Guard (Optional)	239-41453-00	239-41453-00	239-41453-00	239-41453-00
3	Direct Vent-Air Intake Terminal (Flexible & Solid)	239-41425-00	239-41425-00	239-42274-00	239-42274-00
4	Outer Wall Mounting Plate (Flexible & Solid)	239-41431-00	239-41431-00	239-42447-00	239-42447-00
5	6" Diameter Elbow (Solid Only)	---	---	239-42067-00	239-42067-00
	5" Diameter Elbow (Solid Only)	239-41007-00	239-41007-00	---	---
6	4" Diameter Elbow (Solid Only)	---	---	239-42068-00	239-42068-00
	3" Diameter Elbow (Solid Only)	239-41008-00	239-41008-00	---	---
7	Plenum	239-47663-00	239-47663-00	239-47668-01	239-47668-01
8	Plenum Gasket	239-41070-01	239-41070-01	239-41070-02	239-41070-02
9	Flue Reducer	239-41009-00	239-41009-00	239-42066-00	239-42066-00
10	Heat Trap Insert (Outlet & Inlet) Kit	265-51572-00	265-51572-00	265-51572-00	265-51572-00
11	Hot Water Outlet Anode (Magnesium)▲ #	224-47776-19	224-47776-19	224-47776-19	224-47776-19
	Hot Water Outlet Anode (Aluminum)▲ #	224-32999-42	224-32999-42	224-32999-42	224-32999-42
	Hot Water Outlet Anode (A420 Aluminum)▲ #	224-49560-10	224-49560-10	224-49560-10	224-49560-10
12	Flue Baffle	243-47511-00	243-51013-00	243-50921-00	243-50921-00
13	Cold Water Inlet Dip Tube (PEX)▲▲	229-51230-25	229-51230-26	229-51230-20	229-51230-25
14	Coupler (2 Required)◆	239-50102-00	239-50102-00	239-50102-00	239-50102-00
15	Air Intake Tube	239-50099-05	239-50099-06	239-50099-06	239-50099-06
16	Wire Tie	239-44328-00	239-44328-00	239-44328-00	239-44328-00
17	T&P Relief Valve	230-40594-02	230-40594-02	230-40594-02	230-40594-02
18	3/4 NPT Plug	---	---	239-11638-00	239-11638-00
19	Air Intake Boot w/ Gasket	239-47771-18	239-47771-18	239-47771-18	239-47771-18
20	Screw-8-15 X 3/4 INHXWS Slot	239-44195-00	239-44195-00	239-44195-00	239-44195-00
21	Right Side Inner Door w/ Gasket	239-45642-18	239-45642-18	239-45642-18	239-45642-18
22	Brass Drain Valve	265-42351-02	265-42351-02	265-42351-02	265-42351-02
23	Left Side Inner Door w/ Gasket	239-43968-18	239-43968-18	239-43968-18	239-43968-18
24	Screw-#10-12 x 3/4 HWH	239-52581-00	239-52581-00	239-52581-00	239-52581-00
25	Outer Door	243-43962-00	243-43962-00	243-43962-00	243-43962-00
26	Gas Control Direct Replacement Natural Gas	415-52907-02	415-52907-02	415-52907-02	415-52908-02
	Gas Control Direct Replacement LP Gas	415-52909-02	415-52909-02	415-52909-02	415-52910-02
27	Inner Door Gasket Kit	239-49987-00	239-49987-00	239-49987-00	239-49987-00
28	ASSE Approved Mixing Valve (Optional)	239-51778-00	239-51778-00	239-51778-00	239-51778-00

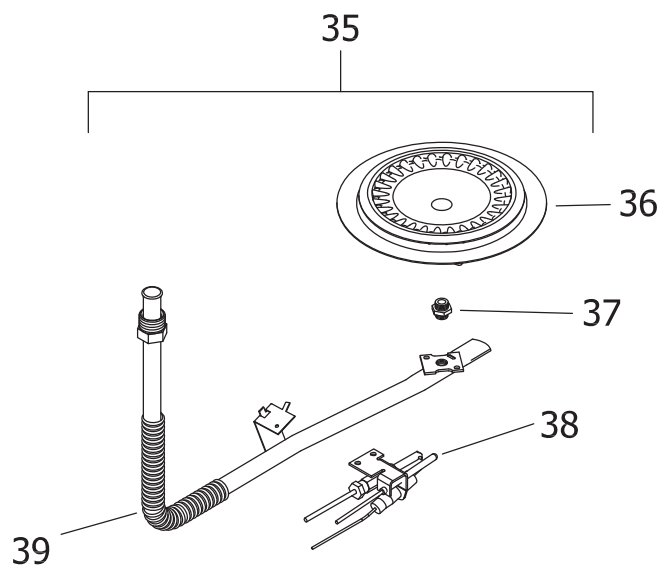
* Applies to all warranties

Anode may need to be cut to length

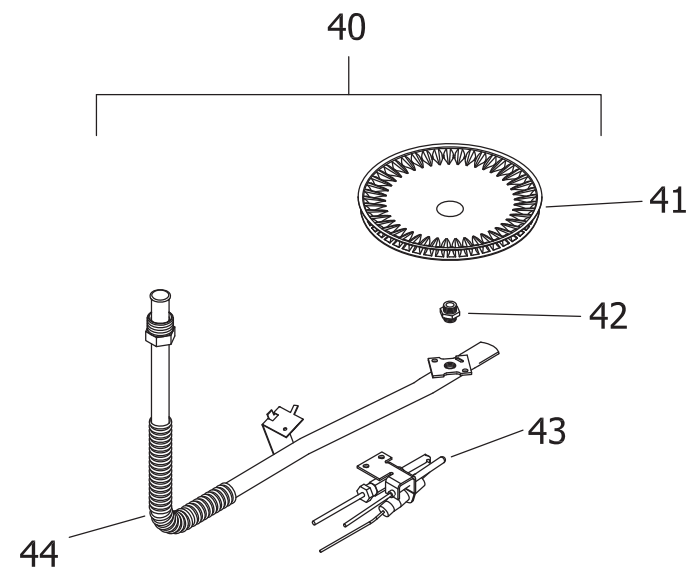
◆ Air intake tube (item #15) should be purchased with coupler (item #14).

▲ Order with item #10

▲▲ Order with item #13



NATURAL GAS (N) BURNER ASSEMBLY



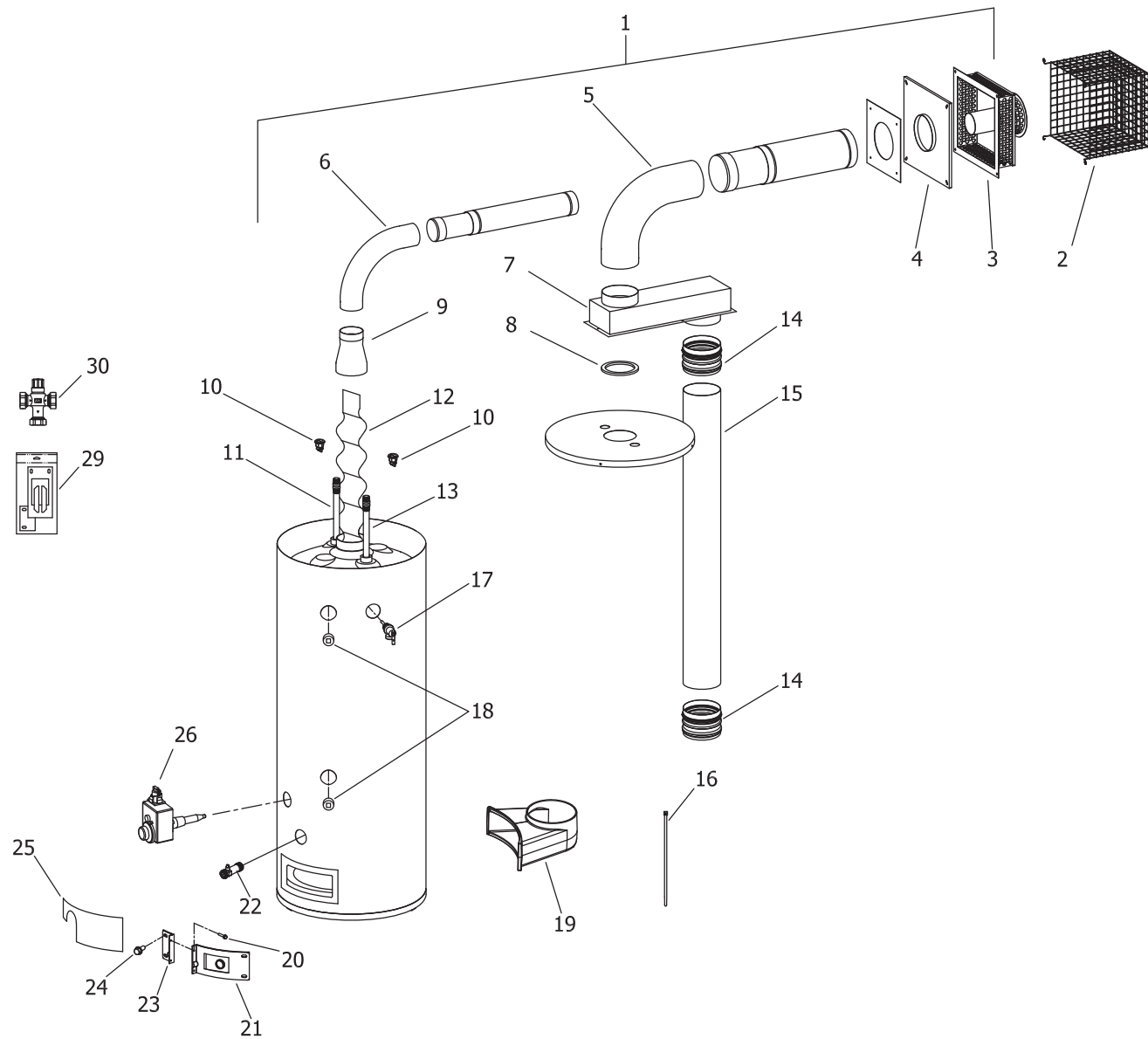
LP GAS (X) BURNER ASSEMBLY

Item	Description	Model RG2DV40S*(N,X) (-OLY,-FLX,-SLD)	Model RG2DV50S*(N,X) (-OLY,-FLX,-SLD)	Model RG2DV50H*(N,X) (-OLY,-FLX,-SLD)	Model LG2DV50H50*(N,X) (-OLY,-FLX,-SLD)
Natural Gas (N) Burner Assembly					
35	Nat. Gas Burner Assembly Complete***	265-48110-06-33	265-48110-06-32	265-48110-06-31	265-48110-06-31
36	Nat. Gas BN Burner**	228-42506-00	228-42506-00	228-42506-00	228-42506-00
37	Nat. Gas (N) Main Burner Orifice 0 Ft. to 2,000 Ft. **	234-41034-33	234-41034-32	234-41034-31	234-41034-31
	Nat. Gas (N) High Altitude Orifice 2,001 Ft. to 7,000 Ft. (-475 model suffixes) **	234-41034-38	234-41034-36	234-41034-35	234-41034-35
	Nat. Gas (N) High Altitude Orifice Kit 7,001 Ft. to 10,000 Ft.	265-51311-02-41	265-51311-02-40	265-51311-02-38	265-51311-02-38
38	Nat. Gas Pilot Assembly	233-41062-03	233-41062-03	233-41062-03	233-41062-03
39	Nat. Gas Feedline	233-48095-05	233-48095-05	233-48095-05	233-48095-05
LP Gas (X) Burner Assembly					
40	LP Gas Burner Assembly Complete***	265-47440-28-50	265-47440-28-49	265-47440-29-47	265-47440-29-47
41	LP Gas (X) Burner**	228-46964-00	228-46964-00	228-47000-00	228-47000-00
42	LP Gas (X) Main Burner Orifice 0 Ft. to 2,000 Ft. **	234-47064-50	234-47064-49	234-47064-47	234-47064-47
	LP Gas (X) High Altitude Orifice 2,001 Ft. to 7,000 ft. (-475 model suffixes) **	234-47064-52	234-47064-51	234-47064-50	234-47064-50
	LP Gas (X) High Altitude Orifice Kit 7,001 Ft. to 10,000 Ft. **	265-51367-02-53	265-51367-02-53	265-51367-02-51	265-51367-02-51
43	LP Gas Pilot Assembly**	233-48078-01	233-48078-01	233-48078-01	233-48078-01
44	LP Gas Feedline	233-47677-05	233-47677-05	233-47677-05	233-47677-05
	LP Gas (X) to Nat. Gas (N) Conversion Kit	265-47452-31	265-47452-33	265-47452-35	265-47452-37
	LP Gas (X) to Nat. Gas (N) Conversion Kit (Hi Alt. -475 model suffixes)	265-47452-32	265-47452-34	265-47452-36	265-47452-38

* 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.



Item	Description	Model (-OLY,-FLX,-SLD)	Model (-OLY,-FLX,-SLD)	Model (-OLY,-FLX,-SLD)	Model (-OLY,-FLX,-SLD)
1	Aluminum Venting (Solid)	239-51283-00	239-51283-00	239-51286-00	239-51286-00
	Aluminum Venting (Flexible)	239-51284-00	239-51284-00	239-51287-00	239-51287-00
2	Direct Vent-Air Intake Terminal Guard (Optional)	239-41453-00	239-41453-00	239-41453-00	239-41453-00
3	Direct Vent-Air Intake Terminal (Flexible & Solid)	239-41425-00	239-41425-00	239-42274-00	239-42274-00
4	Outer Wall Mounting Plate (Flexible & Solid)	239-41431-00	239-41431-00	239-42447-00	239-42447-00
5	6" Diameter Elbow (Solid Only)	---	---	239-42067-00	239-42067-00
	5" Diameter Elbow (Solid Only)	239-41007-00	239-41007-00	---	---
6	4" Diameter Elbow (Solid Only)	---	---	239-42068-00	239-42068-00
	3" Diameter Elbow (Solid Only)	239-41008-00	239-41008-00	---	---
7	Plenum	239-47663-00	239-47663-00	239-47668-01	239-47668-01
8	Plenum Gasket	239-41070-01	239-41070-01	239-41070-02	239-41070-02
9	Flue Reducer	239-41009-00	239-41009-00	239-42066-00	239-42066-00
10	Heat Trap Insert (Outlet & Inlet) Kit	265-51572-00	265-51572-00	265-51572-00	265-51572-00
11	Hot Water Outlet Anode (Magnesium)▲ #	224-47776-19	224-47776-19	224-47776-19	224-47776-19
	Hot Water Outlet Anode (Aluminum)▲ #	224-32999-42	224-32999-42	224-32999-42	224-32999-42
	Hot Water Outlet Anode (A420 Aluminum)▲ #	224-49560-10	224-49560-10	224-49560-10	224-49560-10
12	Flue Baffle	243-47511-00	243-51013-00	243-50921-00	243-50921-00
13	Cold Water Inlet Dip Tube (PEX)▲▲	229-51230-25	229-51230-26	229-51230-20	229-51230-25
14	Coupler (2 Required)◆	239-50102-00	239-50102-00	239-50102-00	239-50102-00
15	Air Intake Tube	239-50099-05	239-50099-06	239-50099-06	239-50099-06
16	Wire Tie	239-44328-00	239-44328-00	239-44328-00	239-44328-00
17	T&P Relief Valve	230-40594-02	230-40594-02	230-40594-02	230-40594-02
18	3/4 NPT Plug	---	---	239-11638-00	239-11638-00
19	Air Intake Boot w/ Gasket	239-47771-18	239-47771-18	239-47771-18	239-47771-18
20	Screw-8-15 X 3/4 INHXWS Slot	239-44195-00	239-44195-00	239-44195-00	239-44195-00
21	Right Side Inner Door w/ Gasket	239-45642-18	239-45642-18	239-45642-18	239-45642-18
22	Brass Drain Valve	265-42351-02	265-42351-02	265-42351-02	265-42351-02
23	Left Side Inner Door w/ Gasket	239-43968-18	239-43968-18	239-43968-18	239-43968-18
24	Screw-#10-12 x 3/4 HWH	239-52581-00	239-52581-00	239-52581-00	239-52581-00
25	Outer Door	243-43962-00	243-43962-00	243-43962-00	243-43962-00
26	Gas Control Natural Gas (White Rodgers)	265-40251-03	265-40251-03	265-40251-03	265-40251-03
	Gas Control LP Gas (White Rodgers)	265-46182-01	265-46182-01	265-46182-01	265-46182-01
27	Piezo Igniter	239-43448-00	239-43448-00	239-43448-00	239-43448-00
28	Piezo Igniter Mounting Bracket	239-46157-02	239-46157-02	239-46157-02	239-46157-02
29	Inner Door Gasket Kit	239-49987-00	239-49987-00	239-49987-00	239-49987-00
30	ASSE Approved Mixing Valve (Optional)	239-51778-00	239-51778-00	239-51778-00	239-51778-00

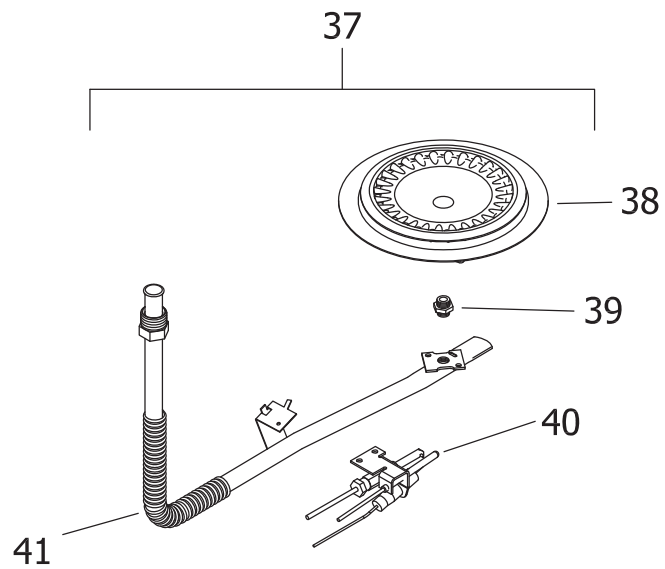
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Anode may need to be cut to length

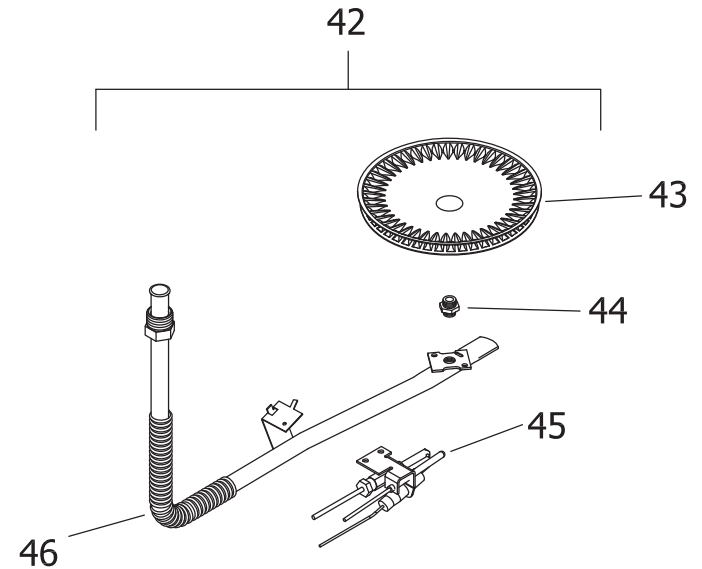
◆ Air intake tube (item #15) should be purchased with coupler (item #14).

▲ Order with item #10

▲▲ Order with item #13



NATURAL GAS (N) BURNER ASSEMBLY



LP GAS (X) BURNER ASSEMBLY

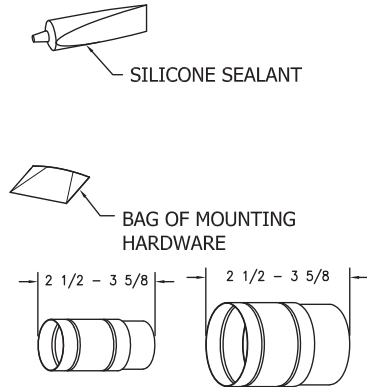
Item	Description	Model (-OLY,-FLX,-SLD)	Model (-OLY,-FLX,-SLD)	Model (-OLY,-FLX,-SLD)	Model (-OLY,-FLX,-SLD)
Natural Gas (N) Burner Assembly					
37	Nat. Gas (N) Burner Assembly Complete***	265-48110-06-33	265-48110-06-32	265-48110-06-31	265-48110-06-31
38	Nat. Gas (N) Burner**	228-42506-00	228-42506-00	228-42506-00	228-42506-00
39	Nat. Gas (N) Main Burner Orifice 0 Ft. to 2,000 Ft.**	234-41034-33	234-41034-32	234-41034-31	234-41034-31
40	Nat. Gas (N) Pilot Assembly**	233-41062-03	233-41062-03	233-46277-04	233-46277-04
LP Gas (X) Burner Assembly					
41	LP Gas (X) Burner Assembly Complete***	265-47440-28-50	265-47440-28-49	265-47440-29-47	265-47440-29-47
42	LP Gas (X) Burner**	228-46964-00	228-46964-00	228-47000-00	228-47000-00
43	LP Gas (X) Main Burner Orifice 0 Ft. to 2,000 Ft.**	234-47064-49	234-47064-49	234-47064-47	234-47064-47
44	LP Gas (X) Pilot Assembly**	233-41063-03	233-41063-03	233-46278-04	233-46278-04

* Applies to all warranties

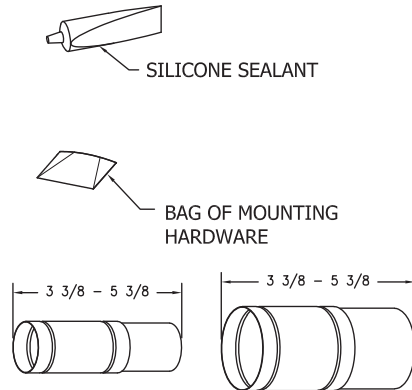
** Inner door gasket kit recommended

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

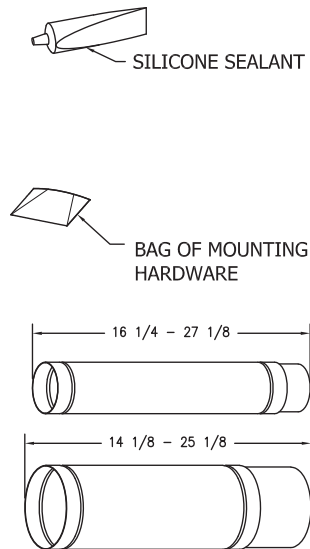
SOLID VENT KITS



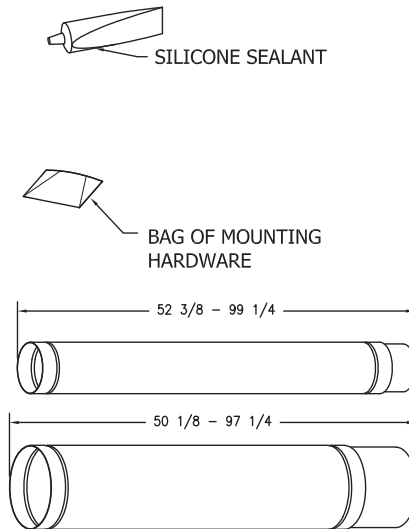
DIRECT VENT-AIR INTAKE KIT F
PART NO. 239-42516-00 (OPTIONAL)



DIRECT VENT-AIR INTAKE KIT G
PART NO. 239-42517-00 (OPTIONAL)



DIRECT VENT-AIR INTAKE KIT H
PART NO. 239-42514-00 (OPTIONAL)
ABOVE TUBE LENGTHS SUPPLIED WITH HEATER



DIRECT VENT-AIR INTAKE KIT I
PART NO. 239-42512-00 (OPTIONAL)

SOLID VENT KITS

		Horizontal "X"				
		16 1/4 17 3/16	18 20 11/16	25 1/4 35 3/16	37 3/4 57 7/8	61 5/16 107 5/16
Vertical "Y"	11 9/16	order kit F 239-42516-00	order kit G 239-42517-00	no add'l kit req'd	order kit H 239-42514-00	order kit I 239-42512-00
	16 5/16 17 1/4	order kit F *(2) 239-42516-00	order kit F & G 239-42516-00 239-42517-00	order kit F 239-42516-00	order kit F & H 239-42516-00 239-42514-00	order kit F & I 239-42516-00 239-42512-00
	18 1/16 20 3/4	order kit F & G 239-42516-00 239-42517-00	order kit G *(2) 239-42517-00	order kit G 239-42517-00	order kit G & H 239-42517-00 239-42514-00	order kit G & I 239-42517-00 239-42512-00
	25 5/16 35 1/4	order kit F 239-42516-00	order kit G 239-42517-00	order kit H 239-42514-00	order kit H *(2) 239-42514-00	order kit I 239-42512-00
	38 1/16 57 15/16	order kit F & H 239-42516-00 239-42514-00	order kit G & H 239-42517-00 239-42514-00	order kit H *(2) 239-42514-00	order kit H *(3) 239-42514-00	order kit H & I 239-42514-00 239-42512-00
	61 3/8 107 3/8	order kit F & I 239-42516-00 239-42512-00	order kit G & I 239-42517-00 239-42512-00	order kit I 239-42512-00	order kit H & I 239-42514-00 239-42512-00	order kit I *(2) 239-42512-00

*(2) = Order two kits

*(3) = Order three kits

FLEXIBLE VENT KITS

Vertical Vent Height + Horizontal Vent Length	Kit Part Number
Less than 100 inches	239-48915-00
More than 100 inches	N/A*

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

Reference Chart of Anode Length by Model

Model	AOD Anode Cut (End to end)	
	Inches	Millimeters
RG2DV40S*(N,X)(-OLY,-FLX,-SLD)	39.13	994
RG2DV50S*(N,X)(-OLY,-FLX,-SLD)	47.63	1210
RG2DV50H*(N,X)(-OLY,-FLX,-SLD)	47.63	1210
LG2DV50H50*(N,X)(-OLY,-FLX,-SLD)	47.63	1210
RG2DV40S*(N,X)(-OLY,-FLX,-SLD)-500	39.13	994
RG2DV50S*(N,X)(-OLY,-FLX,-SLD)-500	47.63	1210
RG2DV50H*(N,X)(-OLY,-FLX,-SLD)-500	47.63	1210
LG2DV50H50*(N,X)(-OLY,-FLX,-SLD)-500	47.63	1210



United States

Sales 800-523-2931

Technical Support 800-334-3393

Email techserv@bradfordwhite.com

Warranty 800-531-2111

Email warranty@bradfordwhite.com

Service Parts 800-538-2020

Email parts@bradfordwhite.com

Canada

Sales & Technical Support 866-690-0961 905-203-0600

Fax 905-636-0666

Warranty bwccwarranty@bradfordwhite.com

Technical Support bwcctech@bradfordwhite.com

Service Parts orders@bradfordwhitecanada.com

Orders ca.orders@bradfordwhite.com

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

International

General Contact international@bradfordwhite.com