

ATTENTION INSTALLERS

ELEVATION CONVERSION KITS FOR ALL NATURAL AND PROPANE GAS VULCAN, HOBART, AND WOLF CONVECTION OVENS

THIS OVEN HAS BEEN EQUIPPED WITH A STANDARD GAS ORIFICE FOR SEA LEVEL INSTALLATIONS. SEA LEVEL INSTALLATIONS ARE AS FOLLOWS:

VULCAN (VCG, SG), **HOBART** (HGC5, HGC20), **WOLF** (WKG) NATURAL AND PROPANE GAS, FROM SEA LEVEL TO 2,499 FEET. **VULCAN** (GCO2), NATURAL GAS, FROM SEA LEVEL TO 5,499 FEET. **VULCAN** (GCO2), PROPANE GAS, FROM SEA LEVEL TO 2,499.

IF OVEN INSTALLATION IS AT AN ELEVATION HIGHER THAN WHATS LISTED ABOVE FOR SEA LEVEL INSTALLATION, THEN THIS OVEN WILL NEED TO BE MODIFIED WITH ONE OF THE KITS LISTED BELOW:

PART NUMBER	DESCRIPTION
958671-G1 (FOR SERVICE ONLY)	ACCESSORY, ORIFICE ELEVATION KIT, NATURAL AND PROPANE GAS (44K BTU APPLICATION); AFC CODE: ELVKIT-GASOVN ; VULCAN (VCG), HOBART (HGC5), WOLF (WKG)
958671-G2 (SEE NOTE 3)	ACCESSORY, ORIFICE ELEVATION KIT, NATURAL AND PROPANE GAS; AFC CODE: ELVKIT-GASSG ; VULCAN (SG4D-11D1 NAT. AND SG4D-21D1 L.P.)
958671-G3	ACCESSORY, ORIFICE ELEVATION KIT, NATURAL AND PROPANE GAS; AFC CODE: ELVKIT-GASHLF ; VULCAN (GCO2), HOBART (HGC20)
958671-G4	ACCESSORY, ORIFICE ELEVATION KIT, NATURAL (SG4-11D1) AND PROPANE (SG4-21D1) GAS: AFC CODE: ELVKIT-GAS60KSG ; VULCAN (SG4)
958671-G5 (50K BTU APPLICATION)	ACCESSORY, ORIFICE ELEVATION KIT, NATURAL AND PROPANE GAS; (50K BTU APPLICATION); AFC CODE: ELVKIT-GAS50KVC ; VULCAN (VCG), HOBART (HGC5), WOLF (WKG)

CONTENTS OF KIT:

- BURNER ORIFICE KIT (NATURAL AND PROPANE GAS) – CONTAINS ORIFICES FOR ELEVATIONS TO 10,500 FEET FOR BOTH NATURAL AND PROPANE GAS.
- ALTITUDE CONVERSION LABEL, 497482-1.

ORIFICE SELECTION – NATURAL GAS

OVEN MODEL	ELEVATION (FEET)	ORIFICE SIZE (PRIOR TO 2-2-2015)	ORIFICE SIZE (AFTER 2-2-2015)
958671-G1 / 958671-G5 (USE 958671-G1 FOR SERVICE ONLY; USE 958671-G5 AFTER 2-2-2015):			
VCG/HGC5/WKG	2,500 TO 3,499	32 (SEE NOTE 6)	31 (SEE NOTE 6)
VCG/HGC5/WKG	3,500 TO 4,499	34 (SEE NOTE 6)	31 (SEE NOTE 6)
VCG/HGC5/WKG	4,500 TO 6,499	35 (SEE NOTE 6)	32 (SEE NOTE 6)
VCG/HGC5/WKG	6,500 TO 8,499	36 (SEE NOTE 6)	33 (SEE NOTE 6)
VCG/HGC5/WKG	8,500 TO 10,500	37 (SEE NOTE 6)	35 (SEE NOTE 6)
958671-G2 (OVEN NOT MADE ANYMORE USE FOR SERVICE ONLY):			
SG4D-11D1	2,500 TO 3,499	38 (NOTE 3)	(SEE NOTE 3)
SG4D-11D1	3,500 TO 4,499	40 (NOTE 3)	(SEE NOTE 3)
SG4D-11D1	4,500 TO 6,499	41 (NOTE 3)	(SEE NOTE 3)
SG4D-11D1	6,500 TO 8,499	42 (NOTE 3)	(SEE NOTE 3)
SG4D-11D1	8,500 TO 10,500	43 (NOTE 3)	(SEE NOTE 3)
958671-G3:			
GCO2/HGC20	5,500 TO 7,499	43	43
GCO2/HGC20	7,500 TO 10,500	44	44
958671-G4:			
SG4-11D1	2,500 TO 3,499	30	30
SG4-11D1	3,500 TO 4,499	30	30
SG4-11D1	4,500 TO 6,499	31	31
SG4-11D1	6,500 TO 8,499	31	31
SG4-11D1	8,500 TO 10,500	32	32

ORIFICE SELECTION – PROPANE GAS			
OVEN MODEL	ELEVATION (FEET)	ORIFICE SIZE (PRIOR TO 2-2-2015)	ORIFICE SIZE (AFTER TO 2-2-2015)
VCG/HGC5/WKG	2,500 TO 4,499	49 (SEE NOTE 6)	48 (SEE NOTE 6)
VCG/HGC5/WKG	4,500 TO 7,499	50 (SEE NOTE 6)	49 (SEE NOTE 6)
VCG/HGC5/WKG	7,500 TO 10,500	51 (SEE NOTE 6)	50 (SEE NOTE 6)
SG4D-21D1	2,500 TO 4,499	53 (NOTE 3)	(SEE NOTE 3)
SG4D-21D1	4,500 TO 7,499	54 (NOTE 3)	(SEE NOTE 3)
SG4D-21D1	7,500 TO 10,500	55 (NOTE 3)	(SEE NOTE 3)
GCO2/HGC20	2,500 TO 7,499	55	55
GCO2/HGC20	7,500 TO 10,500	56	56
SG4-21D1	2,500 TO 4,499	45	45
SG4-21D1	4,500 TO 7,499	47	47
SG4-21D1	7,500 TO 10,500	48	48

NOTES:

1. DELETED.
2. VCG/HGC5/WKG OVENS ARE SHIPPED WITH A #30 ORIFICE FOR NATURAL GAS OR A #46 ORIFICE FOR PROPANE (AFTER 2-2-2015 #46, #48 PRIOR TO 2-2-2015). ONE BURNER PER OVEN.
3. SG4D OVENS ARE SHIPPED WITH **TWO** #36 ORIFICES FOR NATURAL GAS, OR **TWO** #52 ORIFICES FOR PROPANE. TWO BURNERS PER OVEN. **OVEN NOT MADE ANYMORE, AS OF 3-27-2013.**
4. GCO2/HGC20 OVENS ARE SHIPPED WITH A #42 ORIFICE FOR NATURAL GAS OR A #54 FOR PROPANE. ONE BURNER PER OVEN.
5. SG4 OVENS ARE SHIPPED WITH A #29 ORIFICE FOR NATURAL GAS OR A #44 ORIFICE FOR PROPANE. ONE BURNER PER OVEN.
6. OVENS VCG/HGC5/WKG FOR NATURAL GAS AND PROPANE, HAD MODIFICATIONS TO THE COMBUSTION SYSTEM WHICH RESULTED IN CHANGES TO THE ORIFICE SIZES FOR DIFFERENT ALTITUDES. THIS CHANGE TAKES PLACE 2-2-2015.

INSTALLATION INSTRUCTIONS FOR ORIFICE ELEVATION KIT



⚠ WARNING Disconnect the electrical power to the machine and follow lockout / tagout procedures.

FORM 38286 (REV D/01-15)

⚠ WARNING Shut off the gas before servicing the unit.

⚠ WARNING All gas joints disturbed during servicing must be checked for leaks. Check with a soap and water solution (bubbles). Do not use an open flame.

TOOLS REQUIRED:

- PHILLIPS HEAD DRIVE – TO REMOVE/INSTALL BOTTOM FRONT COVER
- 5/16 SOCKET – TO REMOVE/INSTALL ORIFICE
- 7/16 SOCKET – TO REMOVE/INSTALL GAS MANIFOLD BOLTS
- SLIP JOINT PLIERS OR 1/2" WRENCH – TO HOLD ORIFICE EXTENSION FROM ROTATING

REPLACEMENT OF ORIFICE:

1. OPEN OVEN DOORS AND REMOVE BOTTOM FRONT COVER BY REMOVING SCREWS, TWO FROM EACH SIDE AND TOP OF BOTTOM FRONT COVER (TOTAL OF 6) AS SHOWN IN FIGURE 1. SCREWS ATTACHING CONTROL PANEL TO OVEN MAY NEED TO BE LOOSENED TO ALLOW FOR EASE OF REMOVAL AND RE-INSTALLATION OF BOTTOM FRONT COVER.

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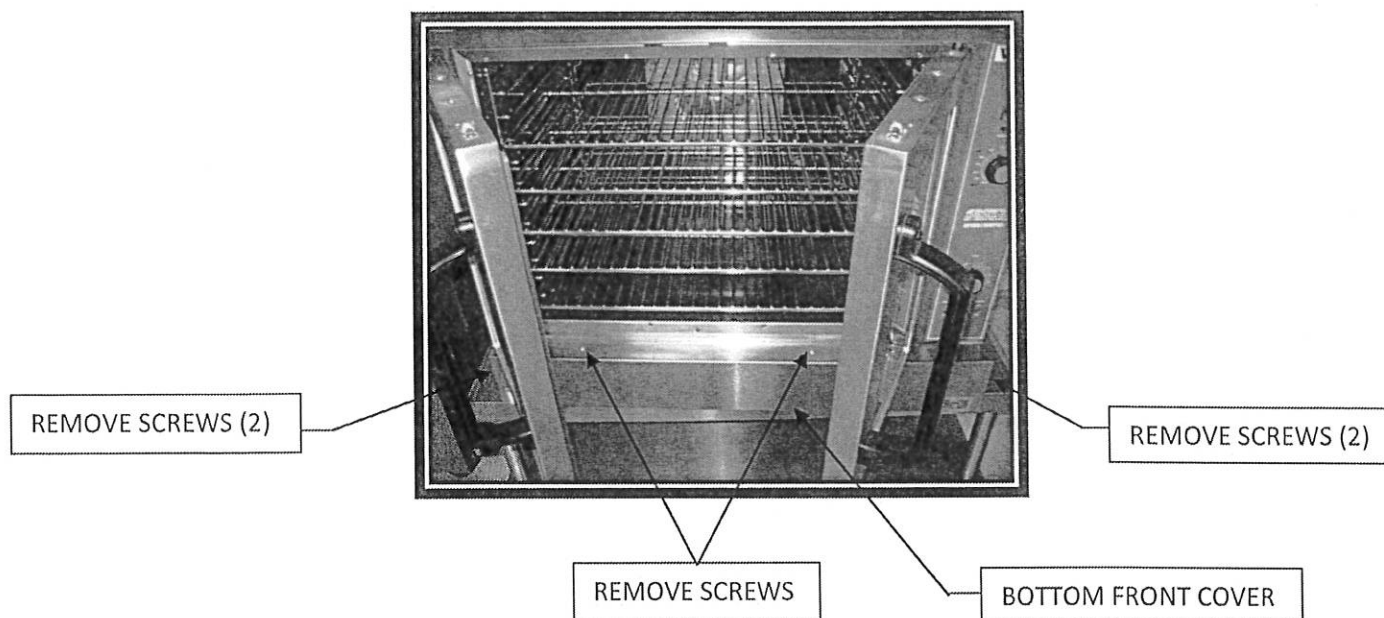


FIGURE 1

2. REMOVE BOLTS HOLDING MANIFOLD TO OVEN USING 7/16" SOCKET AND PLACE TO THE SIDE, AS SHOWN IN FIGURES 2 & 3.

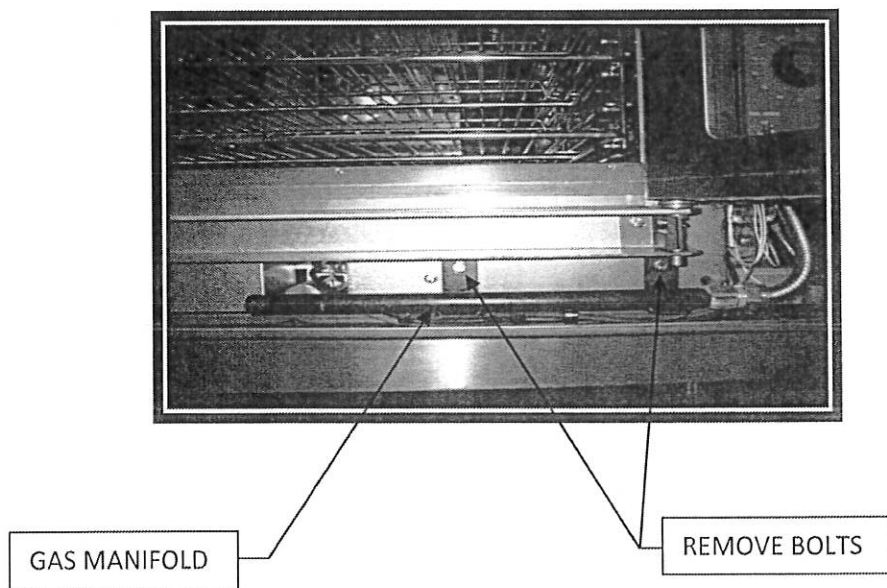


FIGURE 2

3. REMOVE ORIFICE FROM ORIFICE EXTENSION USING A 5/16" SOCKET, OR WRENCH, AS SHOWN IN FIGURE 3. SECURE ORIFICE EXTENSION, USING 1/2" WRENCH, SLIP JOINT PLIERS OR SIMILAR TOOL, WHILE ORIFICE IS BEING REMOVED. REMOVE BRASS ORIFICE ONLY.

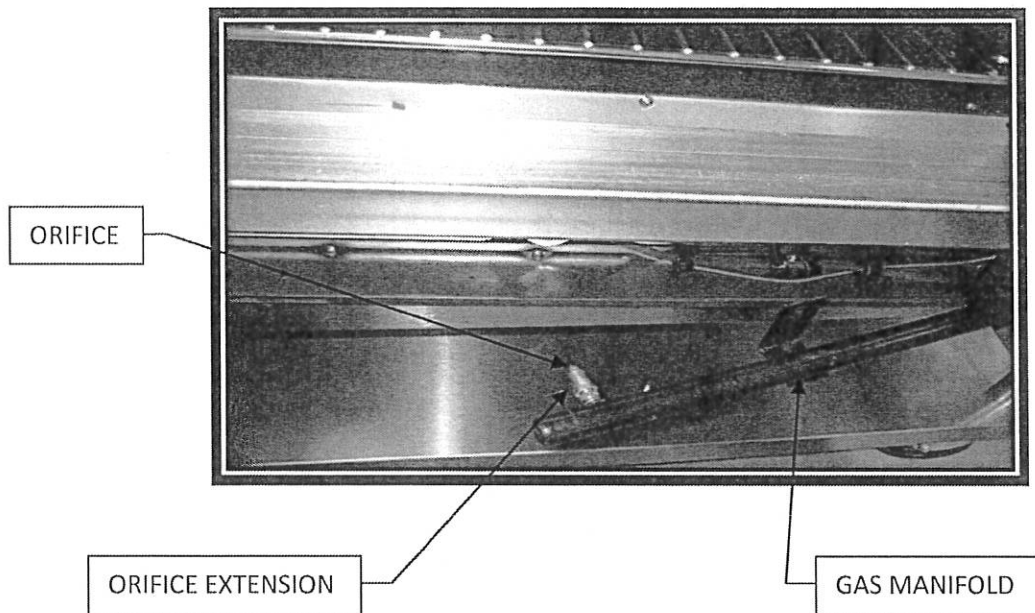


FIGURE 3

4. SELECT CORRECT ORIFICE SIZE FROM ELEVATION KIT BASED ON INFORMATION FROM ORIFICE SELECTION CHART, PAGE 2, RELATIVE TO ELEVATION AND GAS TYPE REQUIRED. INSTALL THE NEW ORIFICE, DO NOT OVER TIGHTEN OR USE PIPE SEALER ON BRASS ORIFICE. INSTALL GAS MANIFOLD AND BOTTOM FRONT COVER IN REVERSE PROCEDURE.
5. USING A PERMANENT MARKER, FILL OUT INFORMATION, ELEVATION AND ORIFICE SIZE, ON ELEVATION CONVERSION LABEL, SUPPLIED WITH KIT. APPLY LABEL TO UPPER RIGHT CORNER OF OVEN FRONT AS SHOWN IN FIGURE 4.

LOCATE ELEVATION CONVERSION
LABEL HERE (SEE NOTE 5).

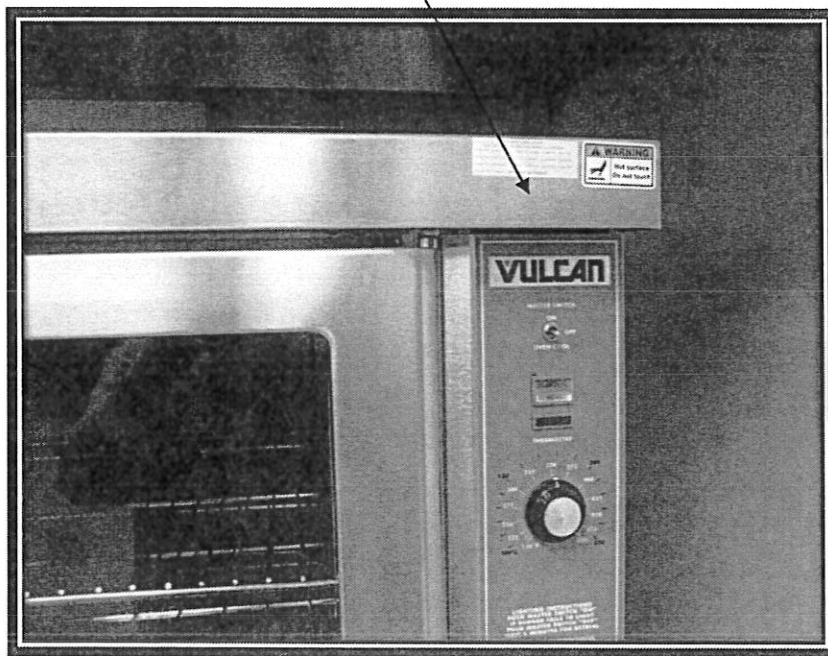


FIGURE 4