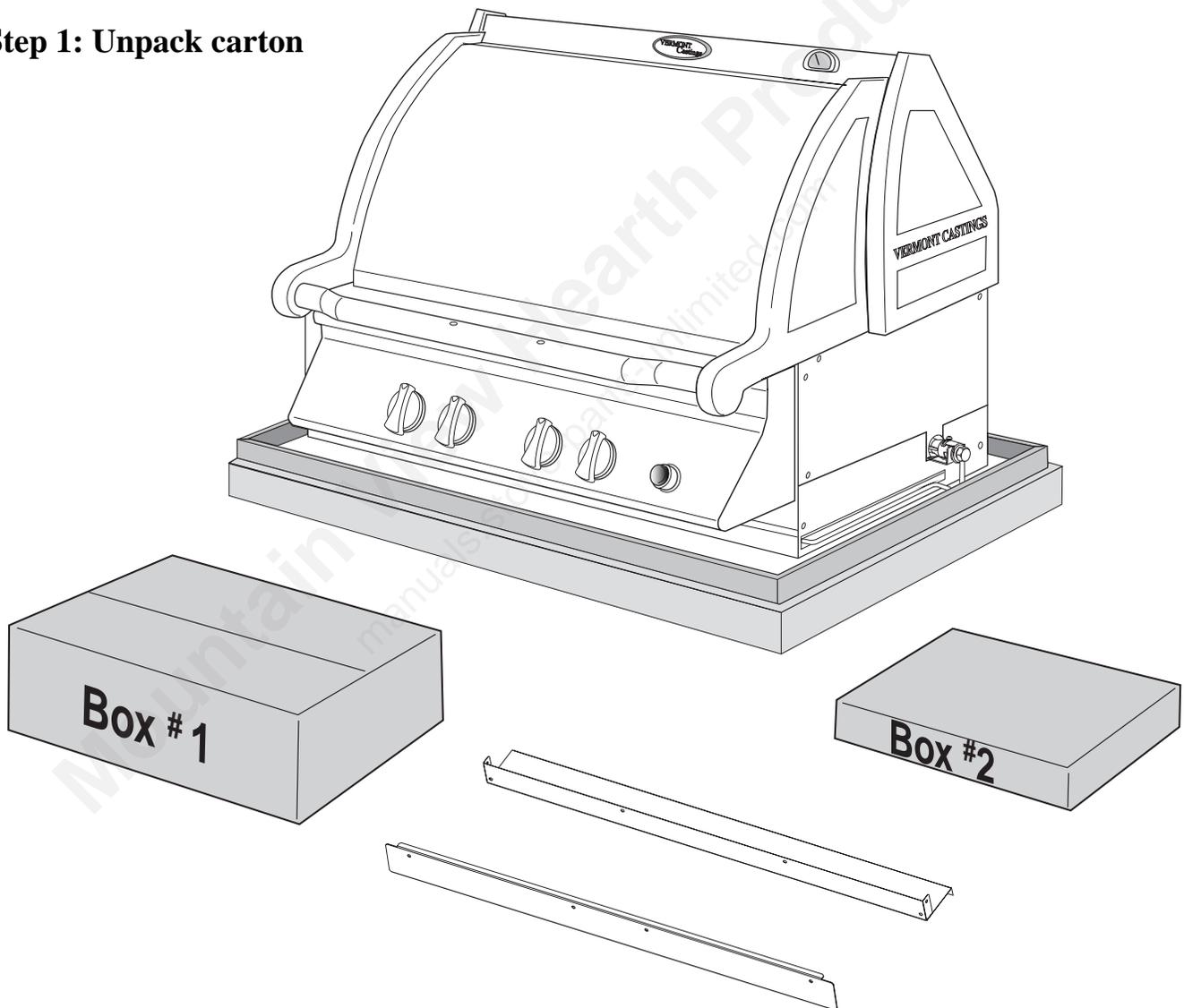




## VC40B1B ASSEMBLY PROCEDURES

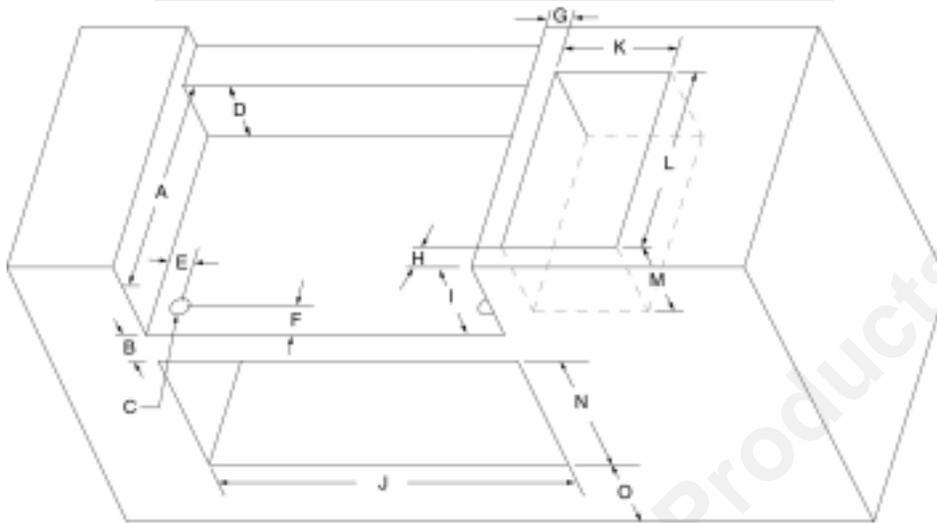
**Tools Required:** Knife or Scissors, 7/16" (11 mm) wrench/ratchet or an adjustable wrench, Philips or Robertson screwdriver.

### **Step 1: Unpack carton**



Use the knife or scissors to cut the strapping on the package then lift off the cardboard cap. Remove the cardboard sleeve lifting it straight over top of the barbecue. Check the 2 enclosed parts boxes, against the parts list (Appendix A) to ensure that no parts are missing. The grease pan front panel and the rear cover panel are packed outside the Grill unit.

## VC40B1B FRAMING DIMENSIONS



ALL DIMENSIONS ARE IN INCHES

Fig. 2

## VC40B1B CLEARANCES

Non Combustible Clearances		Combustible Clearances with ZC Insulated Jacket	
Reference	Measurement	Reference	Measurement
A	24-1/2"	A	24-1/2"
B	4"	B	3"
C	2" $\phi$	C	2" $\phi$
D	7-5/8"	D	8-5/8"
E	2-5/8"	E	2-5/8"
F	3-1/2"	F	3-1/2"
G	2-1/2" Min	G	2-1/2" Min
H	2-1/2" Min	H	2-1/2" Min
I	10-1/2"	I	11-1/2"
J	37-1/2"	J	37-1/2"
K	12"	K	12"
L	21-1/2"	L	21-1/2"
M	10"	M	10"
N	16"	N	16"
O	4" Min	O	4" Min

**Note:** ensure that your grill enclosure has been constructed to the dimensions shown in Fig 2. If the enclosure is constructed of wood or other similar combustible materials, the use of the insulated jacket, Model VCIJ1A, is required.

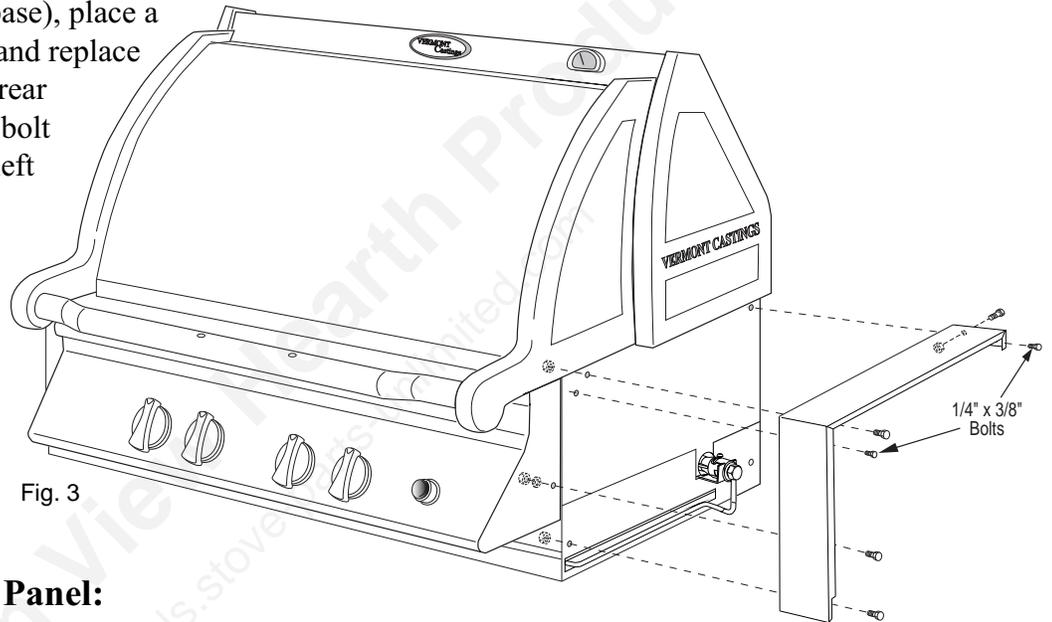
If you have an L.P. model with a 20 lb.. cylinder stored in the enclosure, ensure that there are a least 2 air ventilation openings of 10 sq. inches, 180° apart, at the cylinder valve level and 2 more at the cylinder base level. For other requirements, see section 1.7 of ANSI Z21.58a-1998/CGA 1.6a-M98-American National Standard / Canadian Gas Association Standard for outdoor cooking gas appliances.

## Step 2: Assemble Fascia Brackets:

Required: Main grill unit, left fascia bracket, right fascia bracket, (8) # 10 x 1/2" bolts, (8) #10 lock nuts, (2) 1-1/4" washers

Tilt the front of the grill unit up 2 to 3 inches with a block of wood of other similar item. Carefully remove the protective plastic from the 2 fascia brackets, and the rear panel. Remove the (4) 1/4-20 bolts from the top of the left and right sides of the base assembly.

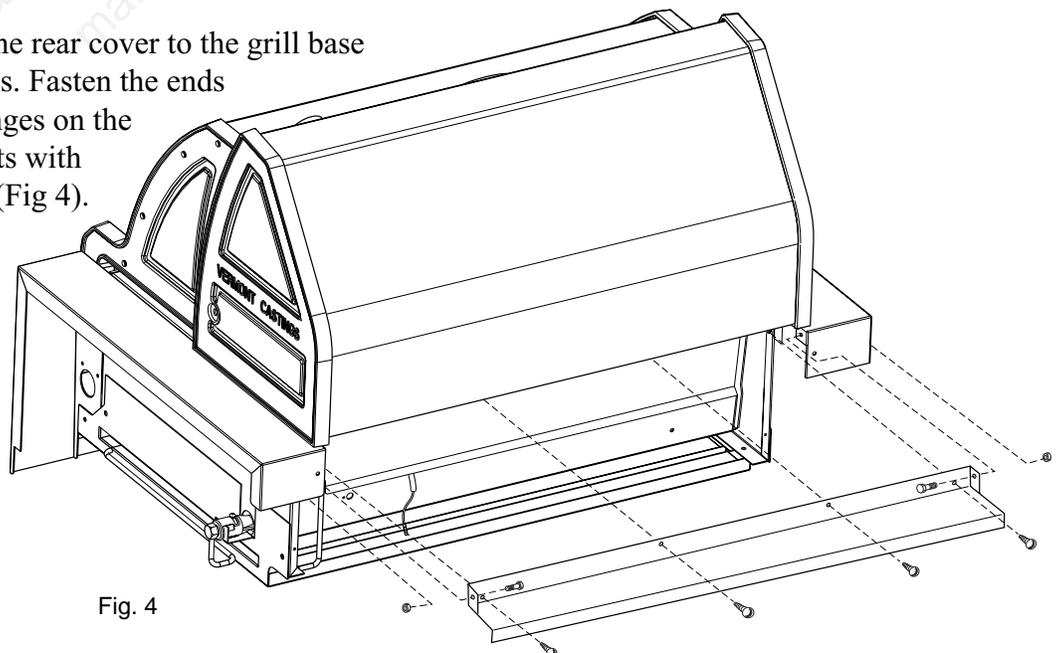
Attach the right hand fascia bracket to the grill base, utilizing (2) 1/4 x 3/8 long hex head bolts and (1) #10 bolt and locknut at the top of the bracket, and (2) # 10 bolts and (2) # 10 locknuts at the front edge. If the flanges around the 45 degree joint facing the control console are not flush, remove the existing top screw (holding the console to the base), place a 1-1/4 "washer on the screw and replace over the flange. Tighten the rear flanges together with a # 10 bolt and lock nut. Repeat for the left side fascia bracket (Fig 3).



## Step 3: Assemble Rear Panel:

Required: Rear panel, (4) self tapping screws, (2) # 10 x 1/2" bolts, (2) lock nuts

Fasten the back flange of the rear cover to the grill base with (4) self-tapping screws. Fasten the ends of the rear cover to the flanges on the left and right fascia brackets with (2) bolts and (2) lock nuts (Fig 4).



### Step 4: Assemble Grease Tray Front and Handle:

Required: Grease tray front, handle and screws, (2) #10 bolts, (2) #10 lock nuts

Remove the grease tray from the front of the unit (Below the control console).

Remove the protective plastic from the front panel and attach to the front lip of the grease tray with (2) bolts and nuts. Attach the handle to the tray with the (2) bolts supplied with the handle (Fig 5).

Do not reassemble the grease tray into the unit at this time.

**NOTE:** Due to the shallow depth of the grease tray, ensure it is cleaned often to avoid possible “Grease Fire”.

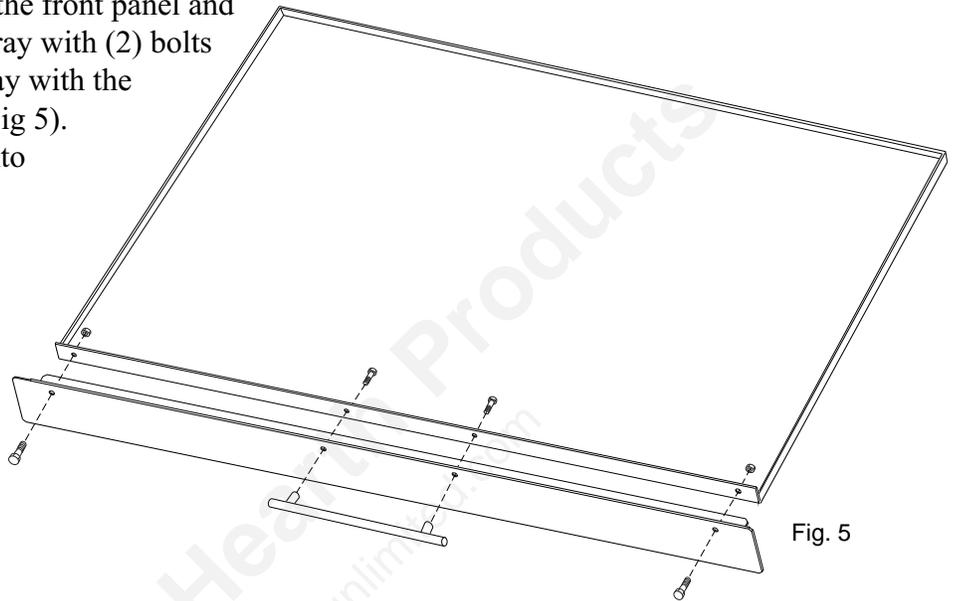


Fig. 5

### Step 5: Assemble Handle Grips:

Required: Top handle grip, lower grip, (2) #4 x 3/4 screws

Place the top grip (with the logo) onto the front handle, using the holes as a guide. Snap the lower grip in place, and fasten together using the (2) screws (Fig 6).

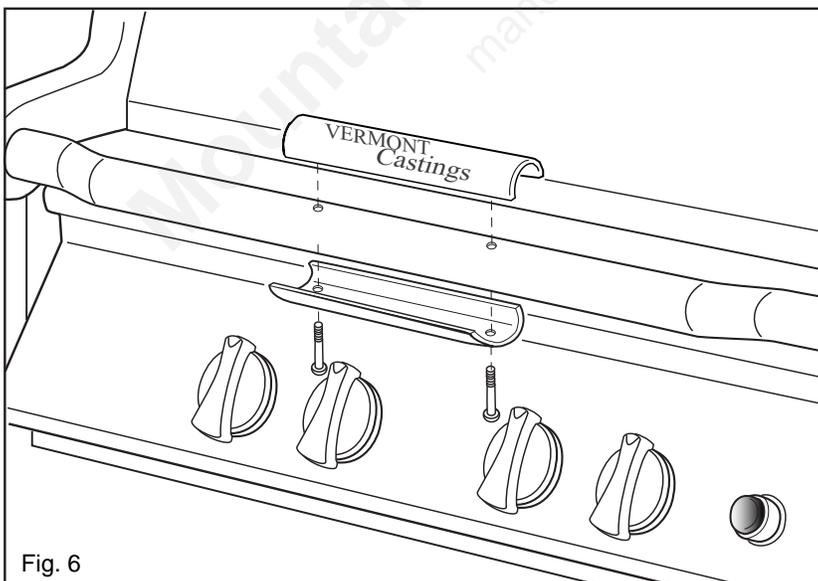


Fig. 6

## Step 6: Assemble the Grill Unit to the Enclosure:

Note: this step should be performed with 2 persons and gloves.

Before positioning the grill unit into the prepared enclosure or insulated jacket, it may be necessary to temporarily disconnect the LP regulator or 12 ft. natural gas hose from the steel flex line, depending on access available.

Carefully position the grill unit into the opening from the front and raised slightly, while ensuring the gas feed tubing is fed through the opening provided in the bottom of the opening. Push the unit back into its final position, and check for proper fit.

Reattach the LP regulator or hose if removed, and leak check all connections.

Reinstall the grease tray assembly into position.

The end of the steel flex line should be clamped to the surround structure to prevent excessive movement.

## Step 7: Install Sear Plates, Cooking Grates, Warming Rack, and Smoker Boxes:

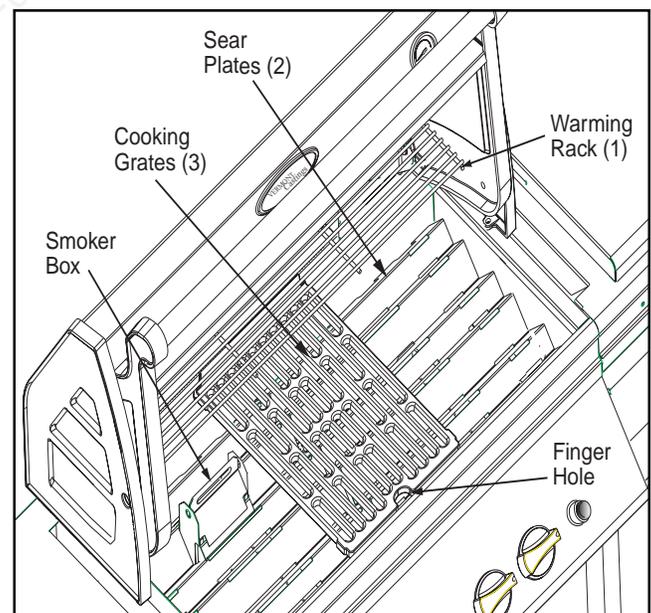
Required: (2) Sear plates, (2) smoker boxes and lids, (3) cooking grates, warming rack.

Place the sear plates into the barbecue ensuring that their edges are facing downward. The sear plate with the large square cutout will house the smoker box. The plate with the smoker box hole should be placed so that it is closer to the rear of the unit on the left side of the Grill. If the plates have arrows stamped on them, position the plates so the arrows point to each other. Place the lid on the smoker box.

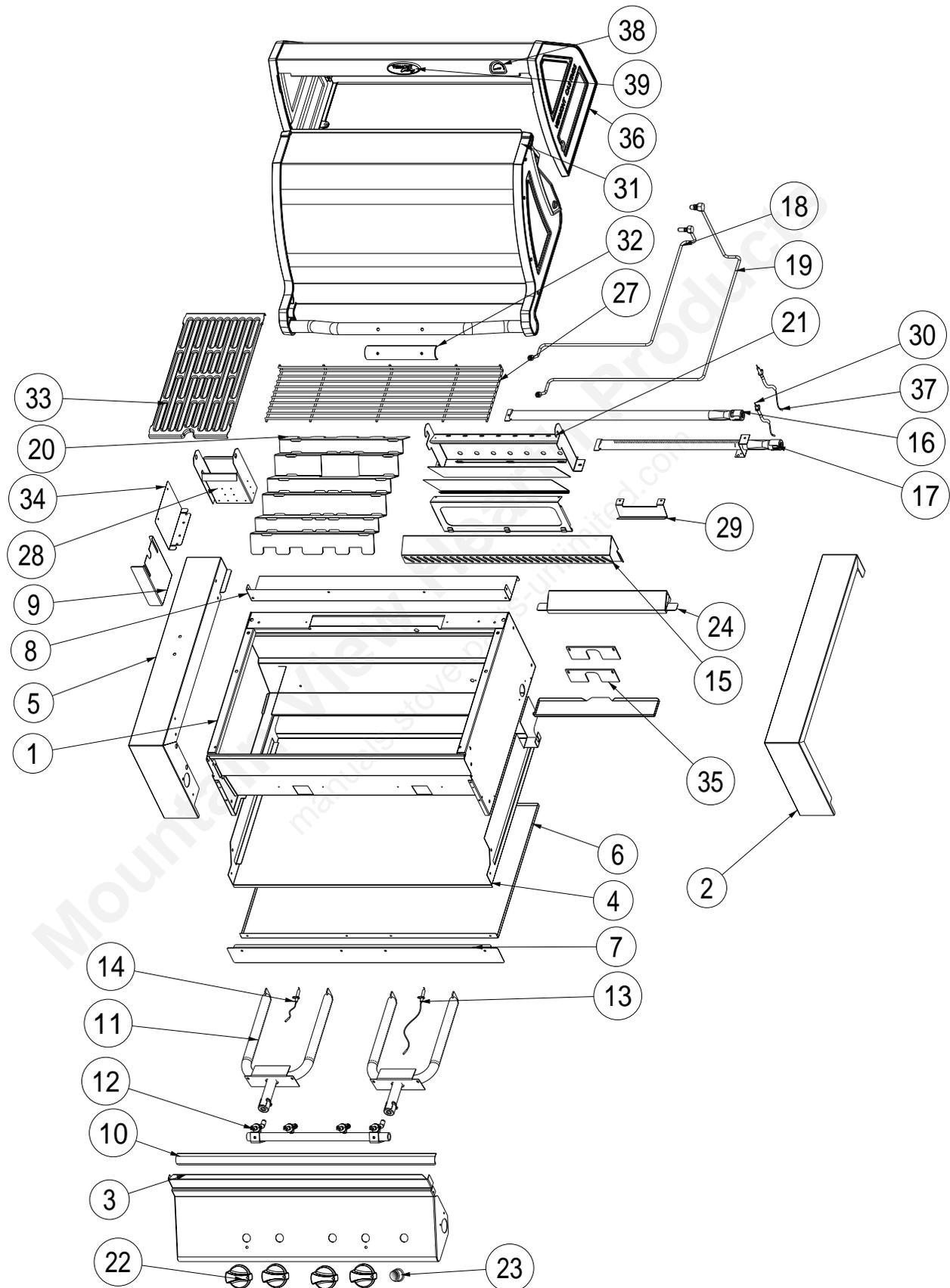
Position the 3 cooking grates in the base unit with the finger holes to the front. These may be turned over to provide an angled flat surface for delicate foods.

Slip the rear lip of the warming rack into the two supports extruding above the rotisserie burning housing. Let it rest in a level position.

To use the rotisserie smoker box. Remove the warming rack, and sit the box and lid on top of the rotisserie housing.



# VC40B1B ASSEMBLY DRAWING



## VC40B1B PARTS LIST

ITEM	QTY	PART NO.	DESCRIPTION
1	1	50000899	BASE ASSY
2	1	50000624	BRACKET RT 400 BI
3	1	50000626	CONSOLE S/S BI
4	1	50000625	BOTTOM COVER
5	1	50000676	BRACKET LT 400BI
6	1	50000627	GREASE TRAY 400BI
7	1	50000628	FRONT GREASE TRAY
8	1	50000629	COVER REAR BI
9	1	50000649	BRACKET ROTISS MOTOR BI
10	1	50000424	FRONT EDGE BASE
11	2	50000038	BURNER MAIN ASSY
12a	1	50000919	VALVE/MANIFOLD NG 2/400
12b	1	50000470	VAVLE/MANIFOLD LP
13	1	50000523	ELECTRODE MAIN LONG
14	1	50000431	ELECTRODE MAIN SHORT
15	1	50000430	DEFLECTOR OVEN
16	1	50000433	BURNER OVEN ASSY
17	1	50000047	BURNER ROTISS ASSY
18a	1	50000454	TUBE & ORIFICE ASSY OVEN NG
18b	1	50000453	TUBE & ORIFICE ASSY OVEN LP
19a	1	50000456	TUBE & ORIFICE ASSY ROTISS NG
19b	1	50000455	TUBE & ORIFICE ASSY ROTISS LP
20	1	50000356	PLATE HEAT SET
21	1	50000746	ROTISSERIE HOUSING/SCREEN ASSY
22	4	50000076	KNOB CONTROL
23	1	50000438	IGNITOR KIT
24	1	50000747	ROTISSERIE SMOKER SET
27	1	50000261	WARMING RACK
28	1	50000357	SMOKE BOX KIT
29	1	50000043	FLASH TUBE
30	1	50000439	ELECTRODE OVEN
31	1	50000419	LID ASSY FRONT CHARCOAL
32	1	50000748	GRIP HANDLE FRONT SET
33	1	VCCG1A	COOK GRATES (3)
34	1	50000650	IGNITOR DEFLECT BI
35	2	50000499	GASKET MAIN BURNER
36	1	50000414	LID ASSY REAR CHARCOAL
37	1	50000466	ELECTRODE ROTISS
38	1	50000967	GAUGE TEMP
39	1	50000007	LOGO
*	1	50000365	LID BUMPERS SET (6)
*	1	50000248	REGULATOR/Q.D. ASSY
*	1	50000355	PIVOT PIN & BOLT SET
*	1	50000438	IGNITOR KIT
*	1	50000630	ROTISSERIE MOTOR
*	1	50000286	ROTISSERIE SPIT ROD
*	1	50000287	ROTISSERIE FORK KIT
*	1	50000399	ROTISSERIE ROD SUPPORT BRACKET
*	1	50000649	ROTISSERIE MOTOR BRACKET

\* Not Shown

## APPENDIX A

The contents of the VC40B1B parts kits contains the follows parts:  
(For reference only, see parts list for replacement parts)

### Box 1:

Sear Plate – Right Hand (1)  
Sear Plate – Left Hand (1)  
Warming Rack (1)  
Smoker Box-Rotisserie Body (1)  
Smoker Box-Rotisserie Lid (1)  
Bracket Assembly - Right (1)  
Bracket Assembly - Left (1)  
Handle - Door (1)  
Handle Grip Top (1)  
Handle Grip Bottom (1)  
Hardware Bag (1)  
Battery (1)

### Box 2:

Cooking Grates (3)

### Box 3:

Rotisserie Motor (1)  
Rotisserie Spit Rod (1)  
Rotisserie Fork Kit (2)  
Rotisserie Support Bracket (1)  
Rotisserie Motor Bracket (1)  
Instructions (1)

## Hardware Bag: (Part # 50000679)

(Parts not available separately)

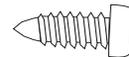
(12) #10-24 Lock Nuts



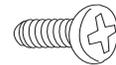
(2) #4 x 3/4 Screws



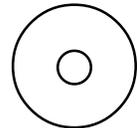
(4) #8-18  
Self Tapping Screws



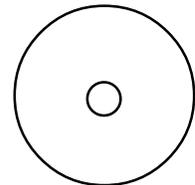
(14) #10-24 x 1/2" Bolts



(2) #10 x 3/4" Washers



(2) #10 x 1-1/4" Washers



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