



# 405 Barbeque Assembly Manual

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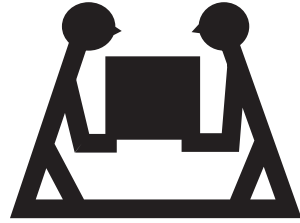
85-3003-4 (G43702) Propane

**1 YEAR LIMITED WARRANTY**

**READ AND SAVE MANUAL FOR FUTURE REFERENCE.**

**If pre-assembled, leave this manual with unit for  
consumer's future reference.**

**For product inquiries, parts, warranty and  
troubleshooting support, please call 1-877-707-5463.**



**HEAVY ARTICLE NEEDS 2 TO LIFT**

**THIS MANUAL MUST REMAIN WITH THE PRODUCT AT ALL TIMES**

To ORDER non-warranty replacement parts or accessories, or to register your warranty, please visit us on the web at [www.masterchefbbqs.com](http://www.masterchefbbqs.com).

**⚠ CAUTION**

Sharp edges. Wear gloves when assembling your grill.

**⚠ CAUTION**

Read and follow all safety statements, assembly instructions, and use and care directions before attempting to assemble and cook.

**⚠ INSTALLER OR ASSEMBLER/CONSUMER**

This manual should be kept with the BBQ at all times.

**⚠ WARNING**

Failure to follow all of the Manufacturer's instructions could result in hazardous fires, explosions, property damage, or serious personal injury or even death.

Follow all leak check procedures carefully prior to operation of barbecue, even if grill was dealer assembled. Do not try to light this barbecue without reading the Lighting Instructions section of this manual.

**⚠ DANGER**

1. If you smell Gas:
  - a. Shut off gas to the appliance
  - b. Extinguish any open flame
  - c. Open lid
  - d. If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department
2. Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.
3. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.
4. Requires two people to complete the assembly process.
5. Beware of sharp edges.

**THIS BARBECUE IS FOR OUTDOOR USE ONLY**

**CONTACT CALL CENTRE IF ANY PARTS ARE MISSING**

**1-877-707-5463**

## HARDWARE PACK

### TOOLS NEEDED FOR ASSEMBLY

- #2 Phillips screwdriver (long and short)
- ¼" Slotted screwdriver (long and short)
- Adjustable wrench
- Pliers

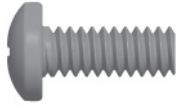
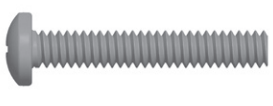







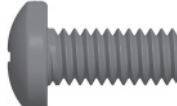



**Before assembling the barbecue, read these instructions carefully.**

Assemble the barbecue on a flat, clean surface. Grill is heavy. You should have at least two people assemble the barbecue together.

**Notes: Do not fully tighten all the nuts during this initial stage.**

KEY #	DESCRIPTION	PART NUMBER	QUANTITY
1	No. 10 x 13 Screw	20124-10013-036	27
2	No. 10 x 30 Screw	20124-10030-036	6
3	No. 10 Nut	31224-10000-036	39
4	Hinge Pin	G306-0005-9088	3
5	Fiber Washer A	G305-0024-9088	1
6	No. 10 Wing Nut	33300-10000-036	2
7	Fiber Washer B	G501-0044-9000	4
8	Fiber Washer (Lid Handle)	G308-0027-9031	2
9	Bolt (Lid)	G306-0004-01	2
10	No. 8 x 10 Screw	20132-08010-036	2
11	No. 8 Wing Nut	33300-08000-032	1
12	Venturi Clip, Side Burner	G305-0057-9000	1
13	No.10 x 16 Screw	20124-10016-036	8

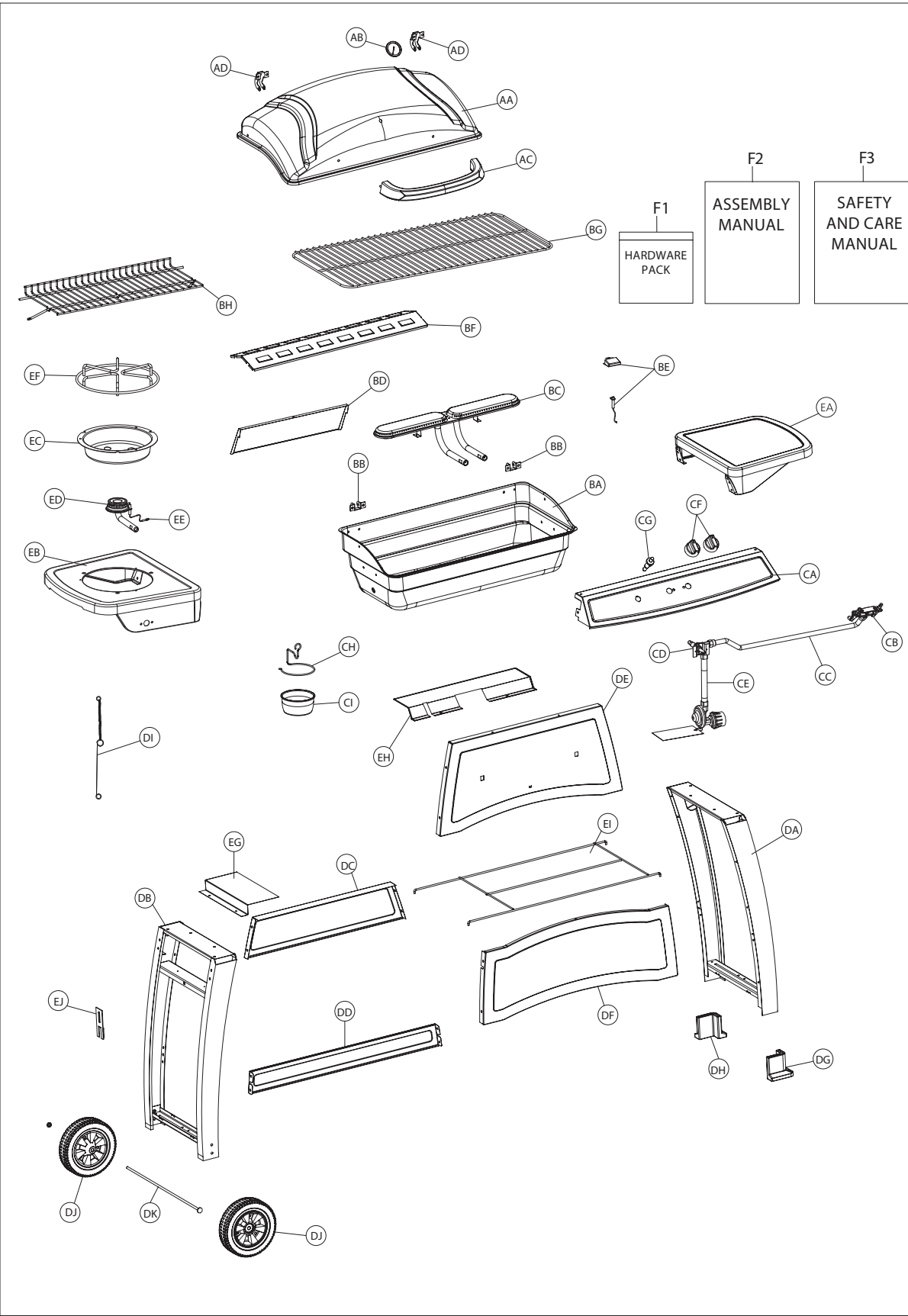
**⚠ Caution:**  
Sheet metal can cause injury. Wear gloves when installing the grill.

<b>1</b>  No. 10 x 13 Screw X 27	<b>2</b>  No. 10 x 30 Screw X 6	<b>3</b>  No. 10 Nut X 39
<b>4</b>  Hinge Pin X 3	<b>5</b>  Fiber Washer A X 1	<b>6</b>  No. 10 Wing Nut X 2
<b>7</b>  Fiber Washer B X 4	<b>8</b>  Fiber Washer (Lid Handle) X 2	<b>9</b>  Bolt (Lid) X 2
<b>10</b>  No. 8 x 10 Screw X 2	<b>11</b>  No. 8 Wing Nut X 1	<b>12</b>  Venturi Clip, Side Burner X 1
<b>13</b>  No. 10 x 16 Screw X 8		

PARTS LIST (PROPANE) FOR 85-3003-4 (G43702)

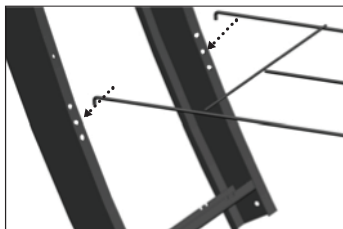
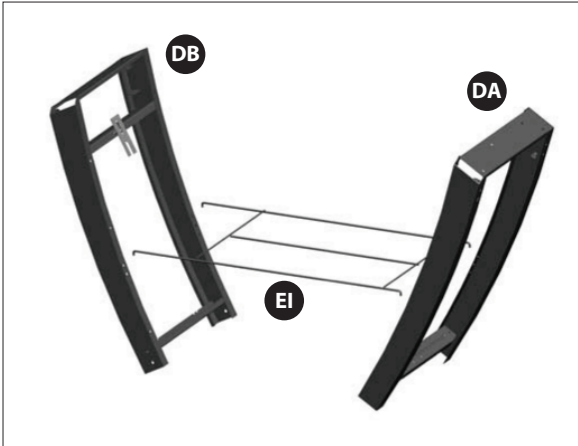
KEY #	QUANTITY	DESCRIPTION	PART NO.
AA	1	Top lid assembly	G437-0026-01
AB	1	Thermometer	G305-0039-01
AC	1	Top lid handle	G306-0002-01
AD	2	Upper hinge	G206-0002-02
BA	1	Burner box assembly	G437-1301-01
BB	2	Lower hinge	G210-0019-01
BC	1	Burner	G437-1400-01
BD	1	Heat shield	G437-0023-01
BE	1	Electrode set, main burners / Collector Box	G305-0026-02
BF	1	Flame tamer	G434-0005-01
BG	1	Cooking grate	G434-0004-01
BH	1	Warming rack	G437-0051-01
CA	1	Control panel	G437-0027-01
CB	1	Valve assembly	G434-0036-01
CC	1	Side burner metal hose	G305-0015-01
CD	1	Side burner valve	G305-0062-01
CE	1	Regulator	G614-0035-01
CF	3	Control knob	G401-0023-01
CG	1	Ignitor	G206-0301-01
CH	1	Grease cup hook	G305-0043-01
CI	1	Grease cup	G430-0033-02
DA	1	Cart side panel, right	G437-0800-01
DB	1	Cart side panel, left	G437-0700-01
DC	1	Upper, back brace	G437-0011-01
DD	1	Lower, back brace	G437-0012-01
DE	1	Upper, front panel	G437-0030-02
DF	1	Lower, front panel	G437-0032-01
DG	1	Front, end cap	G437-0028-01
DH	1	Back, end cap	G437-0029-01
DI	1	Match holder	G401-0079-01
DJ	2	Wheel	G210-0018-01
DK	1	Wheel axle	G437-0007-01
EA	1	Side shelf table- right	G210-0300-02
EB	1	Side burner table-left	G437-0600-01
EC	1	Side burner drip pan	G304-0016-02
ED	1	Side burner	G437-3400-02
EE	1	Electrode set, side burner	G434-0040-02
EF	1	Side burner grate	G303-0022-01
EG	1	Heat shield (LP tank)	G210-0012-01
EH	1	Lower heat shield	G437-0031-01
EI	1	Tank exclusion	G437-0017-01
EJ	1	Tank retainer clip	G206-0028-02
F1	1	Hardware pack	G437-B002-01
F2	1	Assembly instructions	G437-M002-02
F3	1	Safe Use and Care Manual	G207-M015-02

EXPLODED DIAGRAM (PROPANE) FOR 85-3003-4 (G43702)



ASSEMBLY INSTRUCTIONS

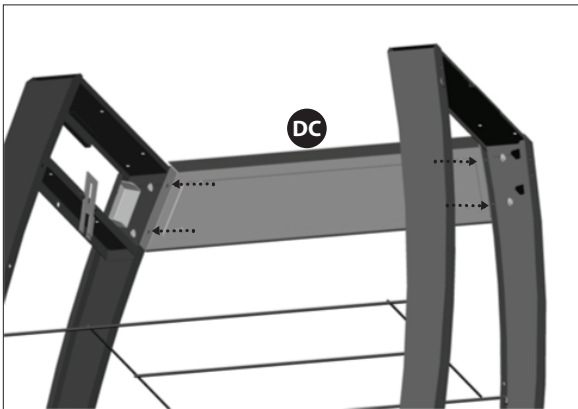
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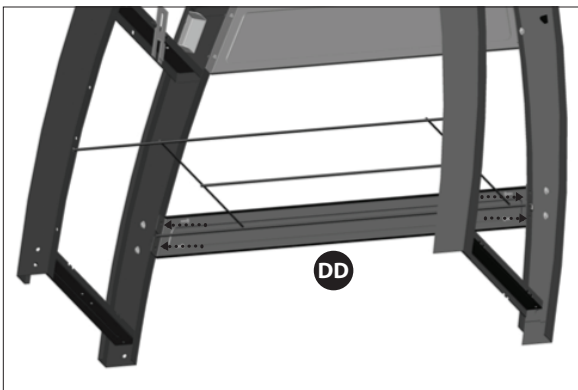
TWO PEOPLE REQUIRED FOR ALL ASSEMBLY STEPS

Insert the tank exclusion (EI) into the right and left cart side panels (DA & DB), as shown. Make sure to insert the tank exclusion (EI) into the hole of the cart panels, as shown

2



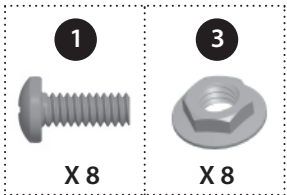
Front View



Front View

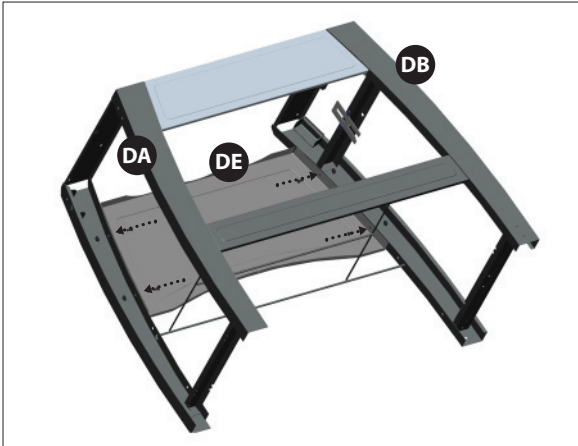
Assemble the upper and lower back braces (DC & DD) to both cart side panels, as shown.

YOU WILL NEED:



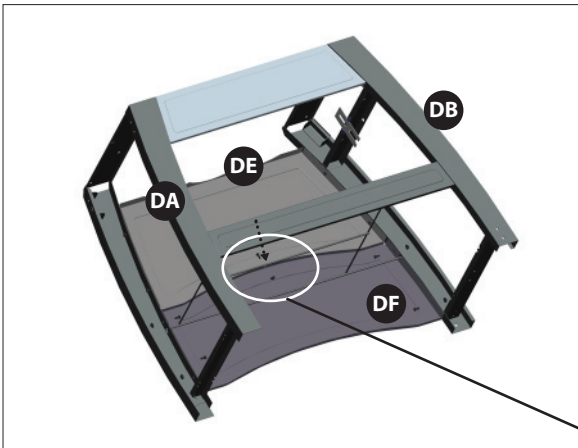
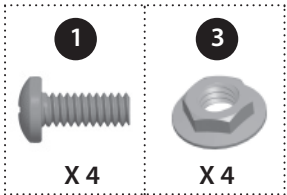
ASSEMBLY INSTRUCTIONS

3



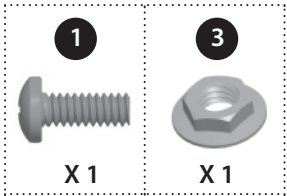
a. Assemble the upper front panel (DE) to the left and right, front cart side panels (DB & DA), as shown.

YOU WILL NEED:



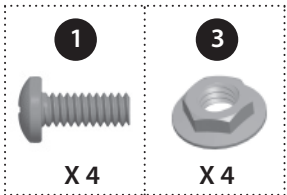
b. Assemble the lower front panel (DF) to the upper front panel (DE) and Cart side panels (DA and DB), as shown.

YOU WILL NEED:



lower front panel to upper front panel

YOU WILL NEED:



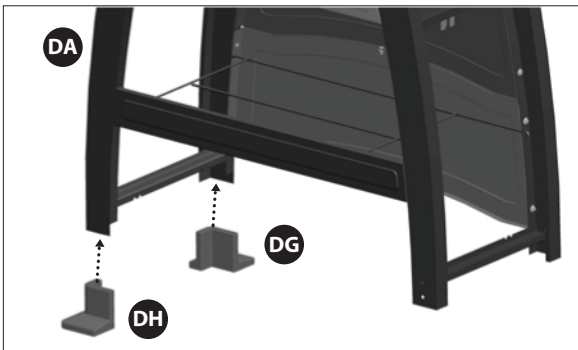
Lower front panel to cart side panel

Back View

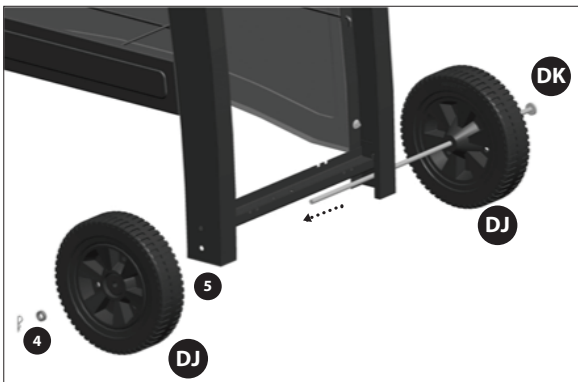


ASSEMBLY INSTRUCTIONS

4



a. Insert the front and back end caps (DG & DH) to the bottom of the right cart panel (DA), as shown.

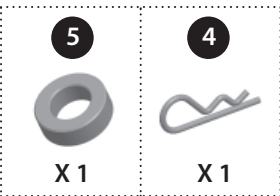


b. Insert the wheel axel (DK) through the first wheel (DJ) and the bottom of the left cart panel (DB). "Cone" side of the wheel should be against left cart leg.



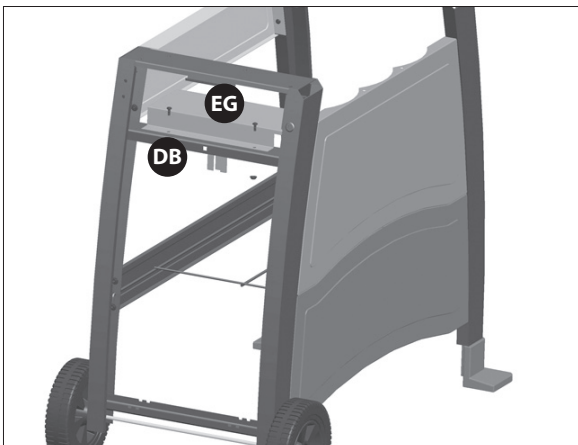
c. Slide the second wheel (DJ) onto the wheel axel (DK) and attach hardware #5 and #4.

YOU WILL NEED:



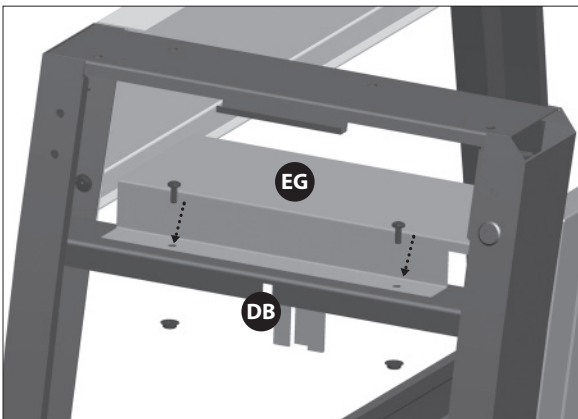
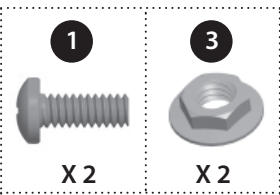
ASSEMBLY INSTRUCTIONS

5



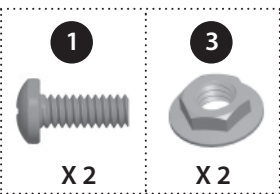
a. Assemble the tank heat shield (EG) to the center support bar located on the left cart side panel (DB), as shown.

YOU WILL NEED:

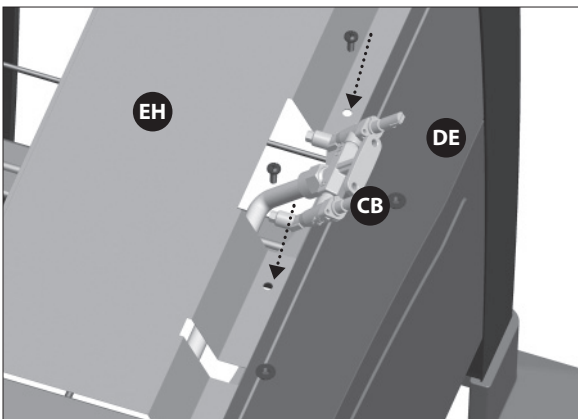


b. Assemble the lower heat shield (EH) to the top of the upper front panel (DE), as shown.

YOU WILL NEED:

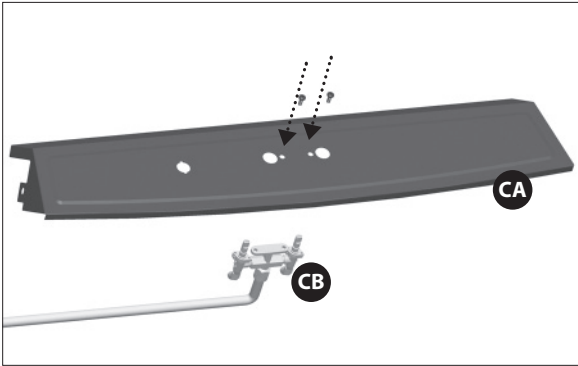


**IMPORTANT:** Ensure that the main burner valve (CB) passes through the heat shield.



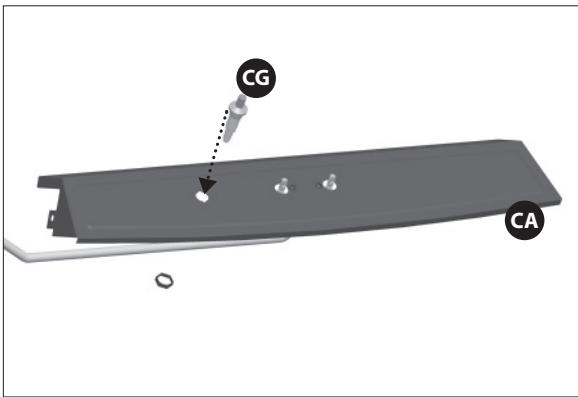
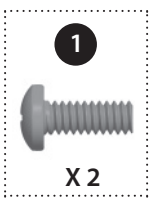
ASSEMBLY INSTRUCTIONS

6

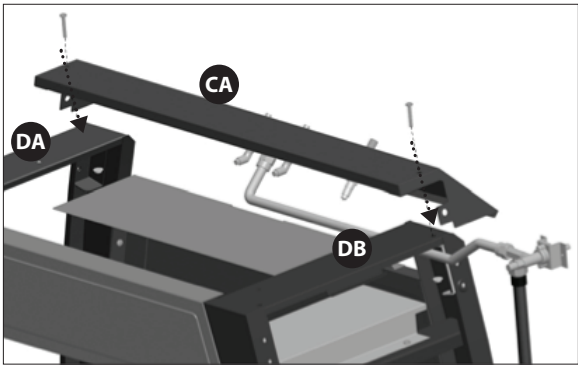


a. Assemble the valve assembly (CB) to the control panel (CA).

YOU WILL NEED:

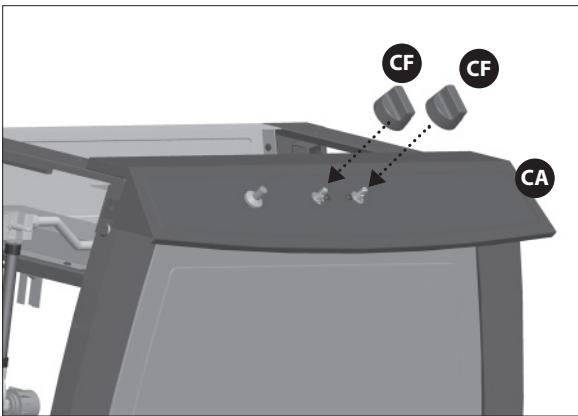
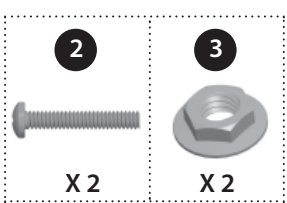


b. Assemble the igniter (CG) to the control panel (CA).



c. Assemble the control panel (CA) to the top of the left and right cart side panels (DA & DB), as shown.

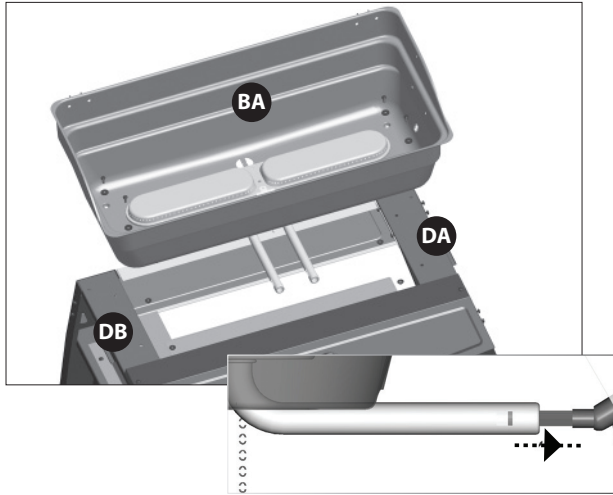
YOU WILL NEED:



d. Place the control knobs (CF) onto the valve stems (CB) located on the control panel (CA).

ASSEMBLY INSTRUCTIONS

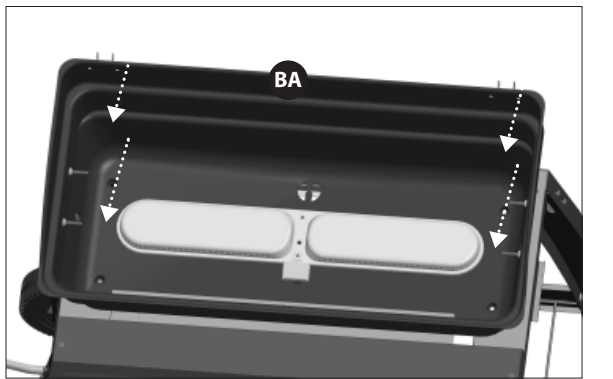
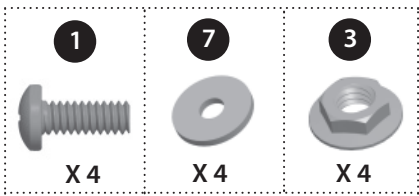
7



Position the Burner box assembly (BA) onto the burner box support brace (DA & DB) located at the top of the right and left cart side panels .

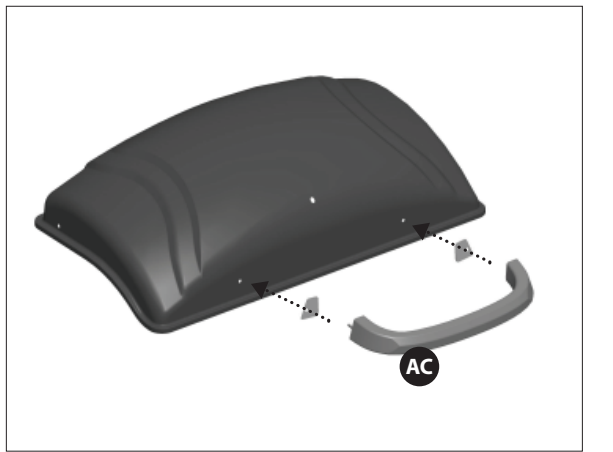
**TIP:** Before assembling make sure the burner (BC) engages the valve assembly (CB).

YOU WILL NEED:



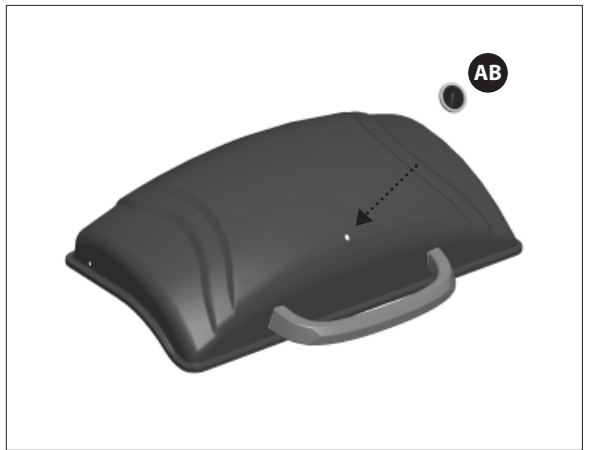
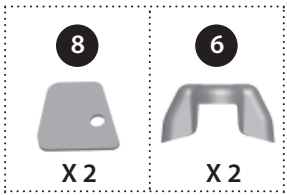
**IMPORTANT:** Ensure that the fiber washers are secured inside the burner box assembly to properly seal the lower casting.

8



a. Assemble the top lid handle (AC) to the top lid (AA).

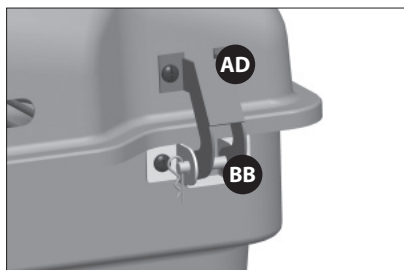
YOU WILL NEED:



b. Assemble the thermometer (AB) to the top lid (AA).

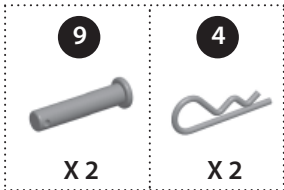
ASSEMBLY INSTRUCTIONS

9

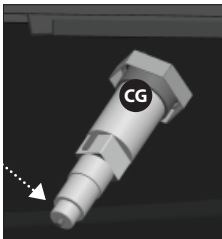
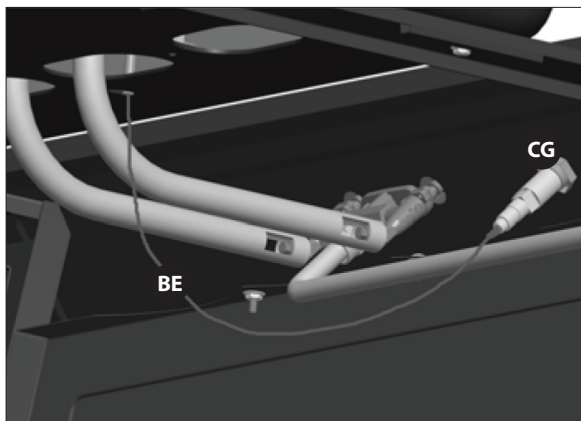


The lid (AA) should then be assembled to the burner box (BA).

YOU WILL NEED:



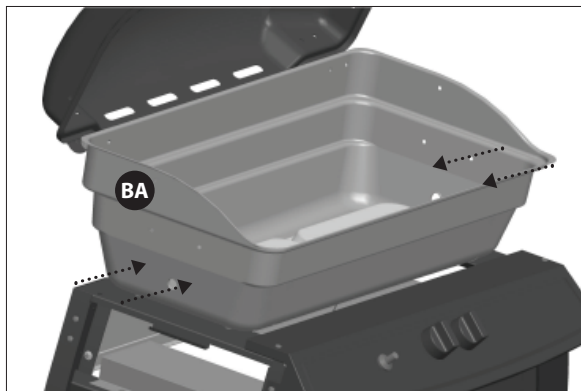
10



Connect the main burner electrode wire (BE) to the igniter (CG), as shown.

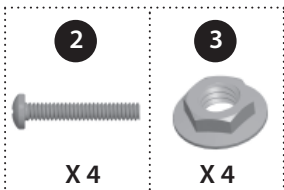
ASSEMBLY INSTRUCTIONS

11



Install the hardware into the burner box assembly (BA) to support the flame tamer (BF).

YOU WILL NEED:



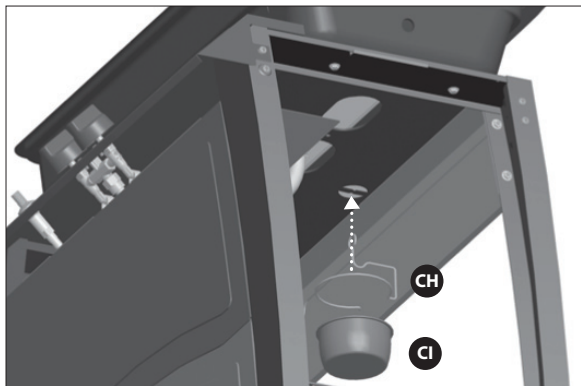
12



Position the flame tamer (BF) into the burner box assembly (BA), using the hardware assembled in the previous step, as support.

ASSEMBLY INSTRUCTIONS

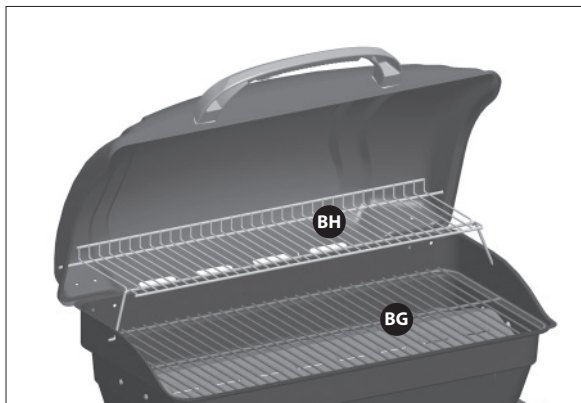
13



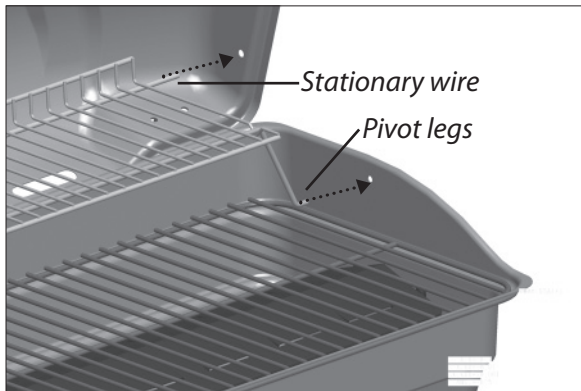
Attach the grease cup hook (CH) to the bottom of the burner box assembly (BA) as shown. Position the grease cup (CI) into the grease cup hook (CH), as shown.

**CAUTION:** Failure to assemble grease cup (CI) and grease cup hook (CH) will cause hot grease to drip from the bottom of the burner box, with the risk of fire, property damage, or personal injury.

14



a. Place the cooking grate (BG) into the burner box assembly (BA), as shown.



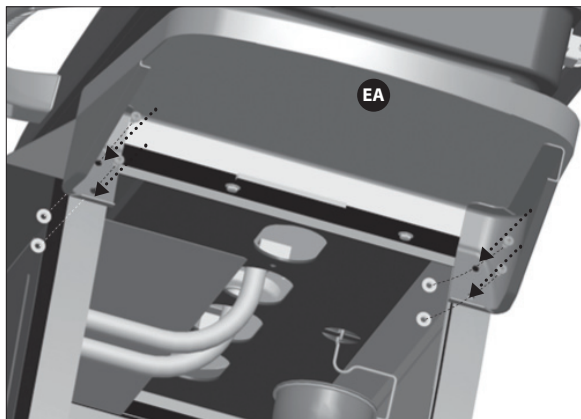
b. To assemble the warming rack (BH), insert the stationary wire into the holes on the sides of the lid assembly (AA). Insert warming rack pivot legs (BH) into the holes on the inside of the burner box assembly (BA).

ASSEMBLY INSTRUCTIONS

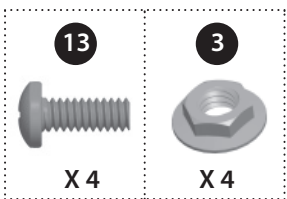
15



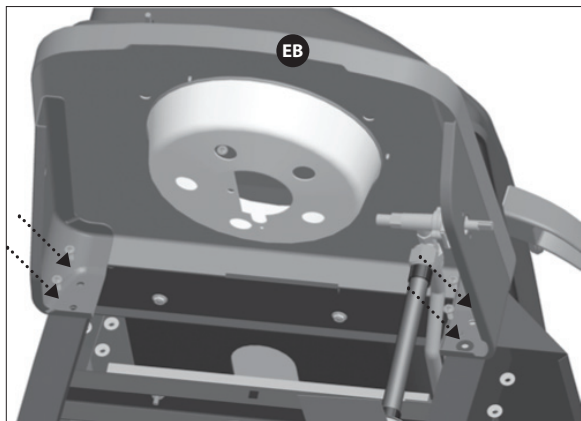
Assemble right side shelf table (EA), and left side burner table (EB) to the left and right cart side panels, as shown.



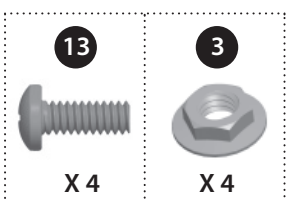
YOU WILL NEED:



Right side shelf table



YOU WILL NEED:

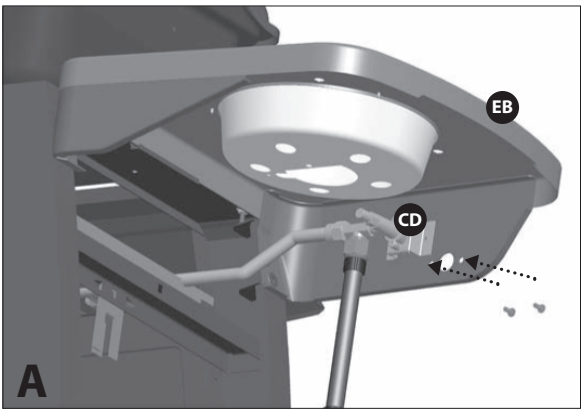


Left side burner table



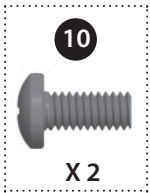
ASSEMBLY INSTRUCTIONS

16



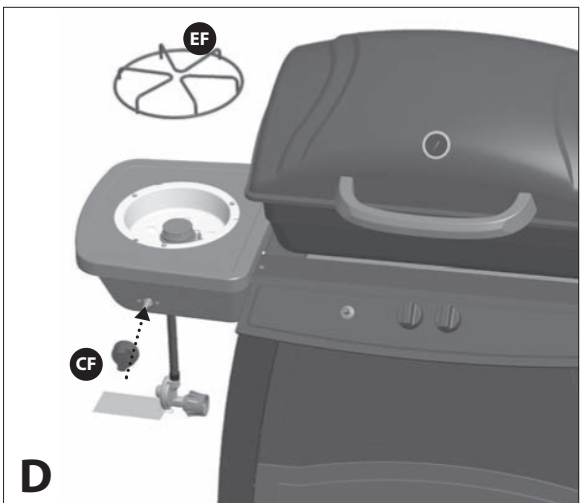
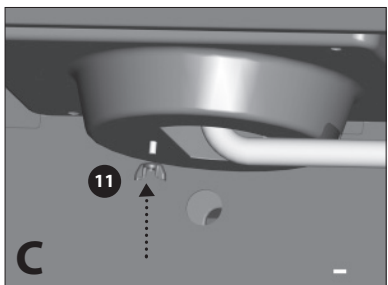
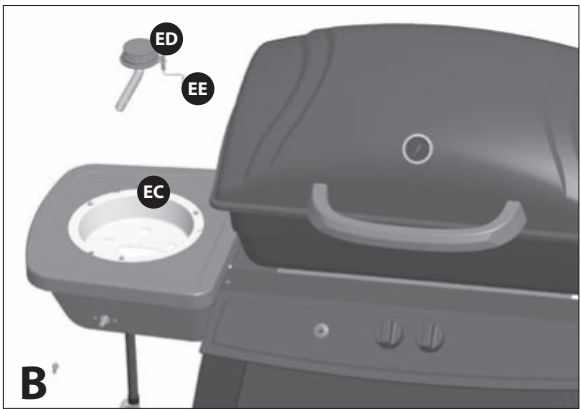
a. Assemble the side burner valve (CD) onto the control panel of the side burner table (EB), as shown.

YOU WILL NEED:



b. Place the side burner (ED) into the side burner drip pan (EC) and secure using hardware.

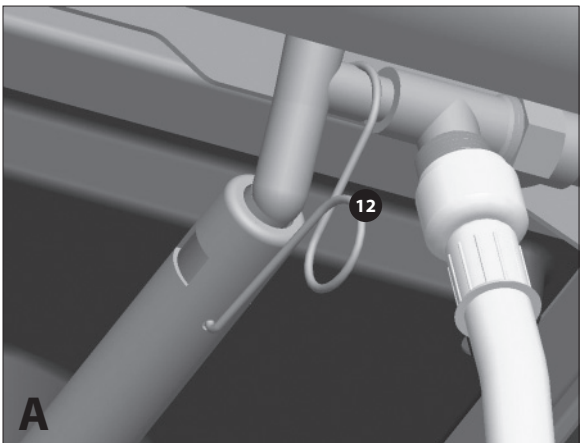
YOU WILL NEED:



c. Place side burner grate (EF) onto side burner table (EB). Attach the control knob (CF) to the side burner valve (CB), as shown.

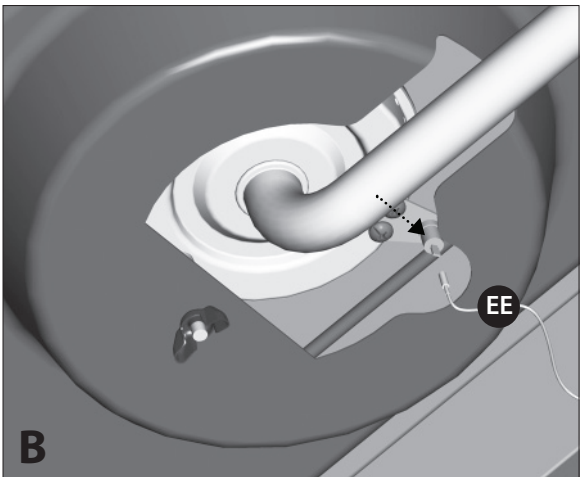
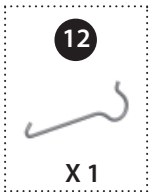
ASSEMBLY INSTRUCTIONS

17

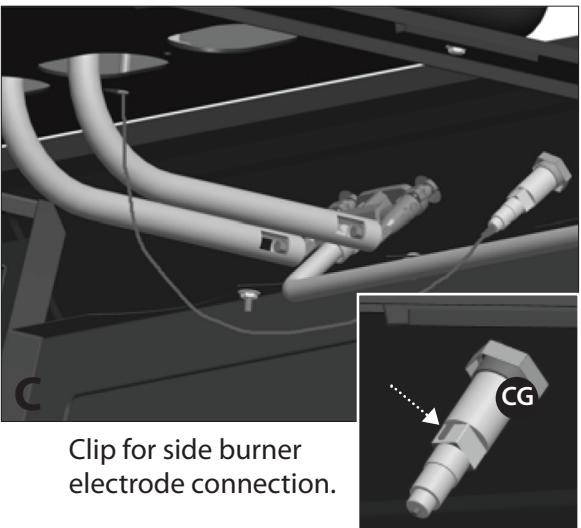


a. Use the side burner clip (#12) to secure the side burner orifice to the side burner valve (CD).

YOU WILL NEED:



b. Connect the side burner electrode wire (EE), shown in figure B, to the main burner ignitor (CG), located on the back of the control panel (CA), shown in Figure C.



c. Connect the electrode wire (EE) to the main ignitor (CG) as shown.

**TIP: THE HEAT SHIELD WILL OBSTRUCT YOUR VIEW. SIMPLY PUSH THE HEAT SHIELD UPWARD TO LOCATE THE IGNITOR CLIP FOR THE SIDE BURNER. POSITION THE ELECTRODE WIRE OVER THE IGNITOR CLIP AND PUSH IN FIRMLY.**

## ASSEMBLY INSTRUCTIONS

# 18



### LP CYLINDER IS SOLD SEPARATELY.

Fill and leak test the LP cylinder before attaching to BBQ. Once LP cylinder has been filled and leak checked, locate the tank support bar on the bottom of the left cart side panel and place LP cylinder in the grooves of the tank support bar. Slide tank retainer clip (EJ) over cylinder collar and tighten knob. Connect the regulator (CE) to the gas tank OPD valve.

