

E600 Barbecue With Infrared Side Burner

Assembly Manual

85-3102-8 (G45321) Propane 85-3103-6 (G45322) Natural Gas

1 YEAR LIMITED WARRANTY

READ AND SAVE MANUAL FOR FUTURE REFERENCE.

Assemble your grill immediately.

Missing or damaged parts claims must be submitted within 30 days of purchase date.

For product inquiries, parts, warranty and troubleshooting support, please call 1-855-453-2150.







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

A CAUTION

Sharp edges. Wear gloves when assembling your grill.

A CAUTION

Read and follow all safety statements, assembly instructions, 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 A WARNING this barbecue without reading the Lighting Instructions section of this manual.



A 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. Requires two people to complete the assembly process.
- 3. Beware of sharp edges.



№ WARNING

- 1. Do not store or use gasoline or other flammable liquids or vapours in the vicinity of this or any other appliance.
- 2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.



IN DIRECT SUN, AND IN OPERATION, YOUR BBO'S STAINLESS STEEL AND PAINTED STEEL PARTS CAN BECOME VERY HOT.

THIS BARBECUE IS FOR OUTDOOR USE ONLY

CONTACT CALL CENTRE IF ANY PARTS ARE MISSING

HARDWARE PACK

DESCRIPTION PART NUMBER QUANTITY TOOLS NEEDED FOR ASSEMBLY 1/4"-20UNCX38 Screw 20120-13038-250 1/4"-20UNCX18 Screw 20120-13018-250 3 1/4"-20UNCX13 Screw 20120-13013-250 • #2 Phillips screwdriver (long and short) 1/4" Nut 30220-13000-250 • 1/4" Slotted screwdriver (long and short) φ7 Lock Washer 41400-07000-250 φ7 Washer 40300-07000-250 Adjustable wrench NO.10-24UNCX10 Screw 20124-10010-250 • Pliers 8 φ5 Lock Washer 41400-05000-250 φ5 Washer 40300-05000-250 Rubber Mallot 20124-10035-250 10 NO.10-24UNCX35 Screw For correct hardware assembly, always position NO.8-32UNCX10 Screw 11 20132-08010-250 the lock washer between the screw and the flat 12 φ4 Lock Washer 41400-04000-250 washer. 13 φ4 Washer 40300-04000-250 Screw NO.8-32UNC Nut 30232-08000-250 14 ST4.2X10 Tapping Screw 15 22500-42010-137 Lock Washer G501-0054-9100 16 Rubberized washer Flat Washer 17 Control knob G453-0049-9000 18 Castor Pin G350-0026-9000 19 Electrode set spacer, Side burner G453-0065-9000 20 Venturi clip, Side burner G405-0019-9200 **▲** Caution: Sheet metal can cause injury. Wear gloves when installing the grill. 1/4"-20UNCx38 Screw 1/4"-20UNCx18 Screw 1/4"-20UNCx13 Screw X 8 X8 X 6 φ7 Lock Washer φ7 Washer 1/4" Nut X 22 X 4 X 18 NO.10-24UNCx10 Screw φ5 Lock Washer φ5 Washer X 10 X 4 X 7 NO.10-24UNCx35 Screw NO.8-32UNCX10 Screw φ4 Lock Washer X 1 X 4 X 4 φ4 Washer NO.8-32UNC Nut ST4.2X10 Tapping Screw X 4 X 4 Castor Pin **Rubberized Washer** Control Knob X 1 X 4 X 2

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BEFORE ASSEMBLING THIS BARBECUE, READ THE INSTRUCTIONS CAREFULLY.

Electrode Spacer

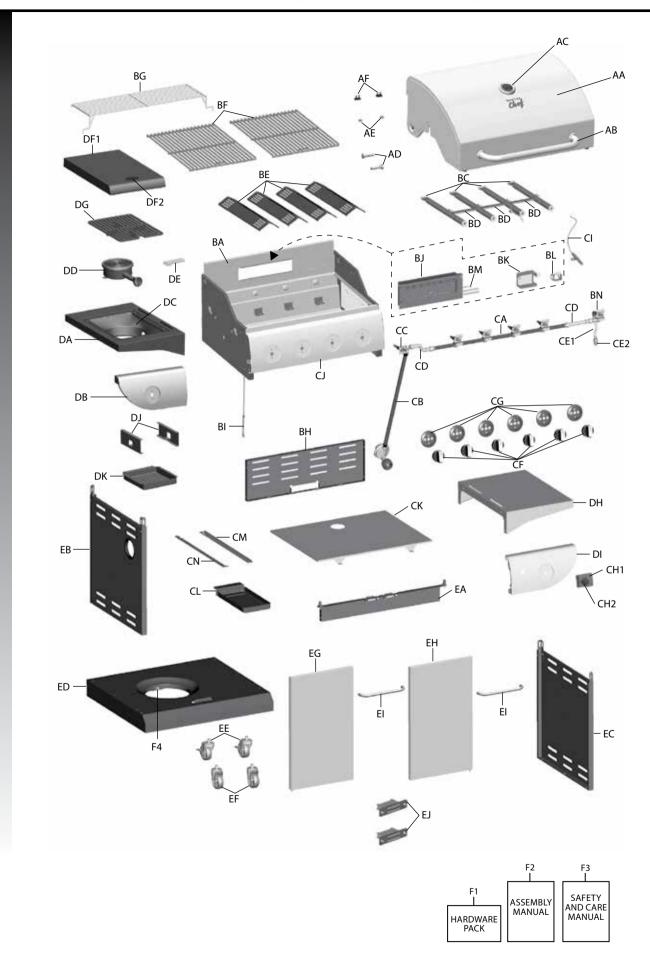
Assemble the barbecue on a flat, clean surface. Grill is heavy. Two people are recommended to complete assembly.

Venturi Clip

PARTS LIST (PROPANE) FOR 85-3102-0 (G45321)

KEY#	QUANTITY	DESCRIPTION	PART NO.
AA	1	Top lid	G453-B400-01
AB	1	Lid handle	G432-000J-01
AC	1	Thermometer	G432-000K-01
AD	2	Screw for top lid	G359-0030-01
AE	2	Lid bumper, front	G508-0063-01
AF	2	Lid bumper, rear	G303-0038-01
/ \l		Lia bampei, rear	4505 0050 01
BA	1	Burner box weldment	G453-D200-01
BC	4	Main burner	G517-7300-01
BD	3	Carryover assembly	G614-0095-01
BE	4	Flame tamer	G453-0072-01
BF	2	Stainless steel cooking grate	G453-0079-01
BG	_ 1	Warming rack	G453-0018-01
BH	 1	Upper back panel	G453-0010-01
BI	 1	Match holder	G501-0068-01
BJ	 1	Rotisserie burner	G453-2500-01
BK	1	Wind shield, rotisserie	G501-00B1-01
BL	<u>'</u> 1	Rotisserie burner collector box	G453-0034-01
BM	<u>'</u> 1	Rotisserie burner, electrode set	G453-0034-01
BN	1	Rotisserie burner valve, LP	G453-0033-01
אופ	I	noussette puttiet valve, LP	G 4 33-0000-01
CA	1	Manifold assembly, LP	G453-D500-01
CB	1	Regulator	G606-0008-01
СС	1	IR Side burner valve, LP	G453-0082-01
CD	2	Side burner metal hose	G608-0039-01
CE1			
	1	Rotisserie flexible hose	G601-0055-A1
CE2	1	Rotisserie LP orifice	G535-0035-01
CF	6	Control knob	G453-0049-01
CG	6	Bezel, control knob	G501-0031-01
CH1	1	Electronic igniter assembly	G651-1300-01
CH2	1	Electronic ignition button	G409-0030-01
Cl	1	Electrode set, main burner	G515-0067-01
CJ	1	Control panel	G453-0050-01
CK	1	Heat shield	G453-0011-01
CL	1	Grease tray	G350-4400-01
CM	1	Right track	G453-0013-01
CN	1	Left track	G453-0012-01
			5.152.5420.04
DA	1	Side burner shelf table, Left	G453-7400-01
DB	1	Side burner shelf fascia, Left	G453-0026-01
DC	1	Infrared support frame	G453-0063-01
DD	1	Infrared side burner	G453-E100-01
DE	1	Electrode set, infrared	G453-0058-01
DF1	1	Infrared burner lid	G453-0057-01
DF2	1	Infrared burner lid handle	G401-0031-01
DG	1	Infrared burner cooking grate	G453-0060-01
DH	1	Side shelf table, Right	G453-0700-01
DI	1	Side shelf fascia, Right	G453-0039-01
DJ	2	Infrared grease tray rail	G453-0064-01
DK	1	Infrared grease tray	G453-0059-01
EA	1	Door support rail	G453-5000-01
EB	1	Cart side panel - Left	G453-0300-01
EC	1	Cart side panel - Right	G453-0400-01
ED	1	Bottom shelf-LP	G453-0500-02
EE	2	Locking castor	G350-0023-01
EF	2	Castor	G350-0024-01
EG	1	Left door assembly	G453-6900-01
LU	<u>.</u> 1	Right door assembly	G453-7200-01
			G453-0053-01
EH	•	Door handle	Q435-0035-01
EH El	2	Door handle Magnet assembly	
EH El	•	Door handle Magnet assembly	G501-0016-01
EH EJ	2	Magnet assembly	G501-0016-01
EH EI EJ F1	2 2	Magnet assembly Hardware pack	G501-0016-01 G453-B011-01
EH EH EJ F1 F2 F3	2 2	Magnet assembly	G501-0016-01

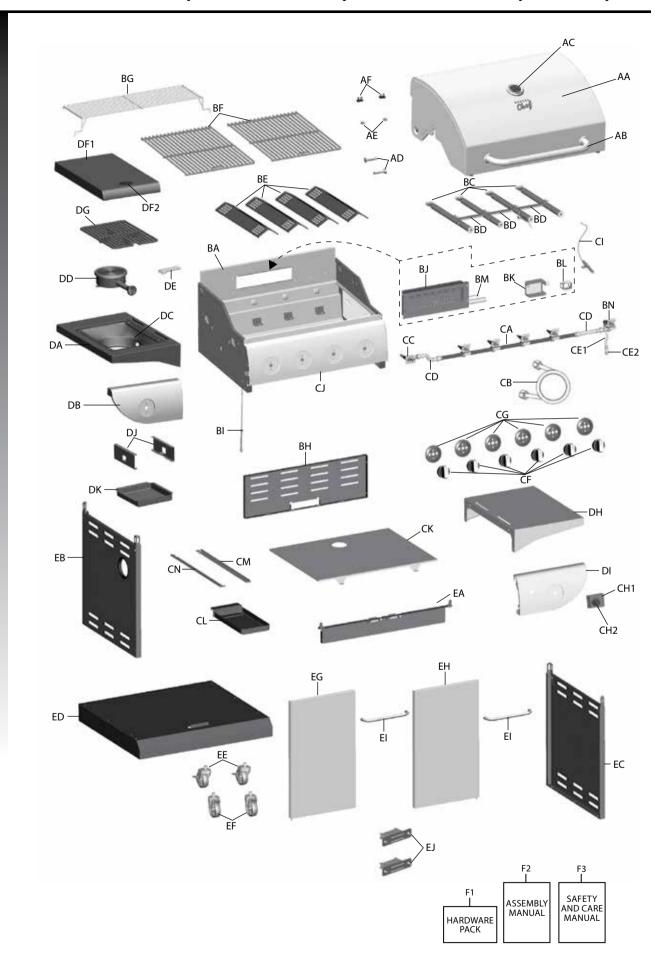
EXPLODED DIAGRAM (PROPANE) FOR 85-3102-0 (G45321)



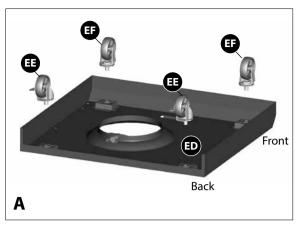
PARTS LIST (NATURAL GAS) FOR 85-3103-8 (G45322)

KEY#	QUANTITY	DESCRIPTION	PART NO.
٩A	1	Top lid	G453-B400-01
AB	1	Lid handle	G432-000J-01
AC .	1	Thermometer	G432-000K-01
AD.	2	Screw for top lid	G359-0030-01
ΑΕ	2	Lid bumper, front	G508-0063-01
4F	2	Lid bumper, rear	G303-0038-01
3A	1	Burner box weldment	G453-D200-01
3C	4	Main burner	G517-7300-01
3D	3	Carryover assembly	G614-0095-01
3E	4	Flame tamer	G453-0072-01
3F	2	Stainless steel cooking grate	G453-0079-01
3G	1	Warming rack	G453-0018-01
3H	1	Upper back panel	G453-0010-01
31	1	Match holder	G501-0068-01
3J	1	Rotisserie burner	G453-2500-01
3K	1	Wind shield, rotisserie	G501-00B1-01
3L	1	Rotisserie burner collector box	G453-0034-01
BM	1	Rotisserie burner, electrode set	G453-0033-01
BN	1	Rotisserie burner valve, NG	G453-0081-01
CA	1	Manifold assembly, NG	G453-D900-01
IB .	1	Natural Gas hose	G501-0099-01
CC	1	IR Side burner valve, NG	G453-0083-01
D .	1	Side burner metal hose	G608-0039-01
CE1	1	Rotisserie flexible hose	G601-0055-A1
Œ2	1	Rotisserie NG orifice	G535-0034-01
CF .	6	Control knob	G453-0049-01
CG .	6	Bezel, control knob	G501-0031-01
CH1	1	Electronic igniter assembly	G651-1300-01
CH2	1	Electronic ignition button	G409-0030-01
CI	1	Electrode set, main burner	G515-0067-01
Ţ.J	1	Control panel	G453-0050-01
CK .	1	Heat shield	G453-0011-01
CL .	1	Grease tray	G350-4400-01
CM	1	Right track	G453-0013-01
CN	1	Left track	G453-0012-01
DA	1	Side burner shelf table, Left	G453-7400-01
OB	1	Side burner shelf fascia, Left	G453-0026-01
OC .	1	Infrared support frame	G453-0063-01
DD	1	Infrared side burner	G453-E100-01
DE	1	Electrode set, infrared	G453-0058-01
DF1	1	Infrared burner lid	G453-0057-01
DF2	1	Infrared burner lid handle	G401-0031-01
OG	1	Infrared burner cooking grate	G453-0060-01
OH	1	Side shelf table, Right	G453-0700-01
Ol	1	Side shelf fascia, Right	G453-0039-01
) J	2	Infrared grease tray rail	G453-0064-01
OK .	1	Infrared grease tray	G453-0059-01
A	1	Door support rail	G453-5000-01
В	1	Cart side panel, Left	G453-0300-01
C	1	Cart side panel, Right	G453-0400-01
D	1	Bottom shelf, NG	G453-1000-02
E	2	Locking castor	G350-0023-01
F	2	Castor	G350-0024-01
G	1	Left door assembly	G453-6900-01
ΕH	1	Right door assembly	G453-7200-01
ΞI	2	Door handle	G453-0053-01
EJ	2	Magnet assembly	G501-0016-01
1	1	Hardware pack	G453-B011-01
2	1	Assembly instructions	G453-M021-01
-3	1	Safe use and care manual	G453-M015-02

EXPLODED DIAGRAM (NATURAL GAS) FOR 85-3103-8 (G45322)



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Upside down view

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Close Up

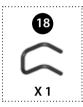
Separate the 2 different types of castors: 2 Locking Castors (EE) and 2 Regular Castors (EF).

Note: Regular Castors (EF) need to be assembled to the front of the Bottom Shelf (ED), and Locking Castors (EE) need to be assembled to the back of the Bottom Shelf (ED), as shown in image A.

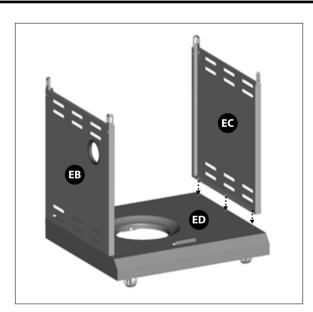
Attach the Regular Castor (EF) to the front of the Bottom Shelf (ED), and use the Pin Tool (#18) to secure and tighten.

Repeat for remaining 3 castors (EE & EF).

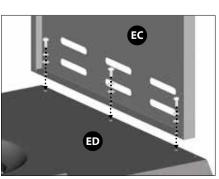
YOU WILL NEED:



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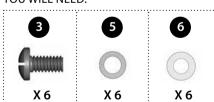
Front view

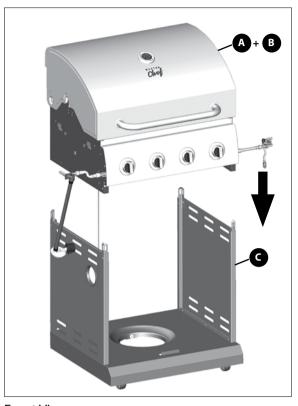


Close Up

Ensure that the Locking Castors (EE) are firmly locked in the "ON" position before continuing.

Assemble the Left Side Panel (EB) and the Right Side Panel (EC), to the Bottom Shelf (ED).



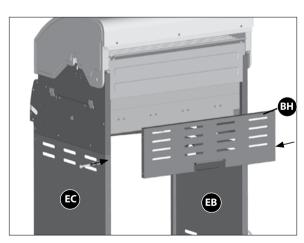


Front View

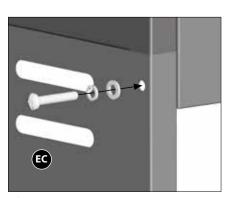
THIS STEP REQUIRES 3 PEOPLE. DO NOT ATTEMPT ALONE. EXTREMELY HEAVY!

Position the Top Lid Assembly and Burner Box Assembly (A & B) onto the Cart Assembly (C), as shown.

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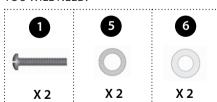
Back View



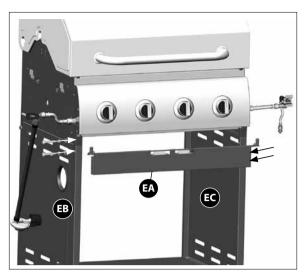
Close Up

Attach the Upper Back Panel (BH) to both the Left And Right Side Panels (EB & EC).

Attention: Assembly of the Upper Back Panel (BH) will be completed in Step 8 and 11.



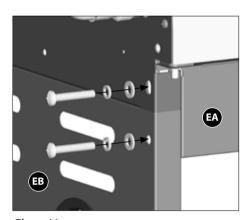
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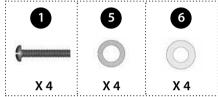
Front View

Assemble the Door Support Rail (EA) to the Left and Right Upper Side Panels (EB and EC), as shown.

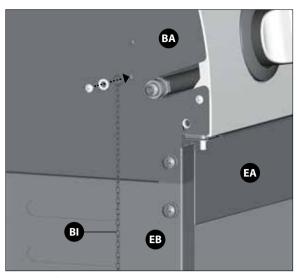
WARNING: This part may have sharp edges. Wear protective gloves when assembling.



Close Up



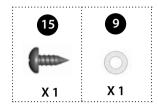
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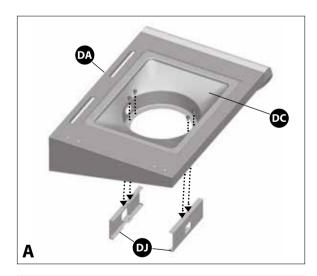
Front, left side view

Attach the Match Holder (BI) to the left side panel of the Burner Box Assembly.

YOU WILL NEED:



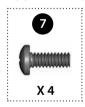
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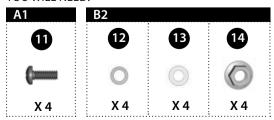
B B2

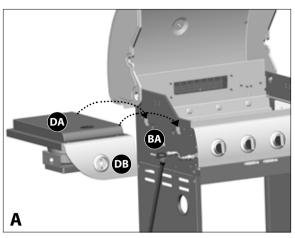
a. Assemble infrared grease tray rails (DJ) to the infrared support frame (DC) located on the left sear stove side shelf (DA) as shown in figure A.

YOU WILL NEED:

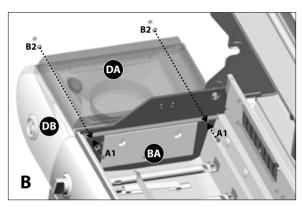


b. Attach the infrared burner lid (DF1) to the left side burner shelf table (DA).

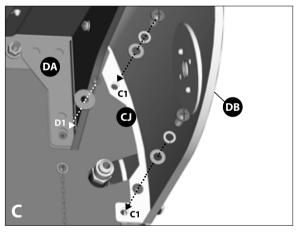




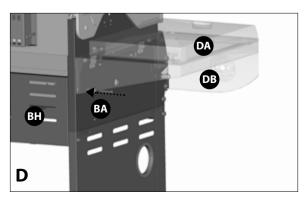
Front, left side view



View inside burner box



View from underneath left side shelf



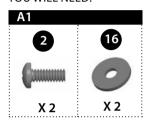
Back, left side view

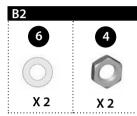
LEFT SIDE SHELF ASSEMBLY

TIP: Do not tighten until all hardware is in place.

- a. Mount the left side burner side shelf (DA and DB) onto the two support brackets, located on the left, upper side panel of the burner box (BA).
- b. Assemble the left side burner side shelf (DA and DB) to the upper side panel of the burner box (BA), by positioning hardware through the interior of the burner box (BA), as shown in figure B.

YOU WILL NEED:

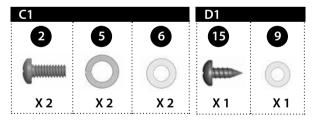




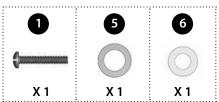
TIP: Ensure that the rubber side of the rubberized washer makes contact with the burner box.

c. Assemble the front of the left side burner side shelf assembly (DA and DB) to the control panel (CJ), as shown in figure C.

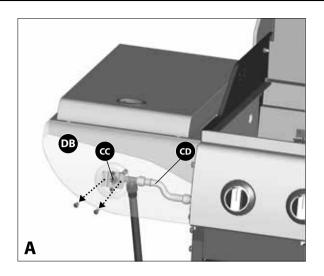
YOU WILL NEED:



d. Complete the left side burner side shelf assembly (DA and DB) by connecting the side shelf, the rear of the Burner Box side panel (BA), and the Upper Back Panel (BH), as shown in figure D.

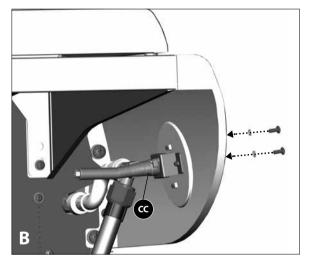


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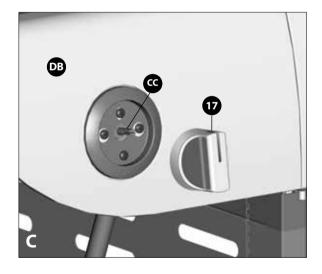


a. Remove the hardware that is pre-assembled to the IR side burner valve (CC), as shown in figure A.

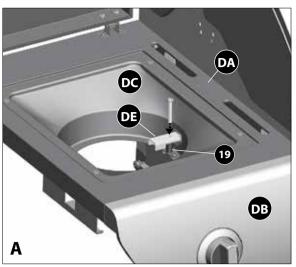
Insert the side burner valve stem (CC) through the rear of the left side shelf fascia (DB) and assemble using the hardware removed.



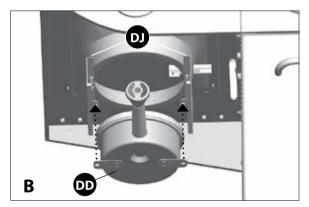
b. Assemble the Side burner control knob (#17) to the Side burner valve (CC).



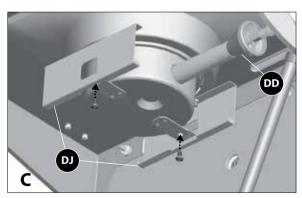




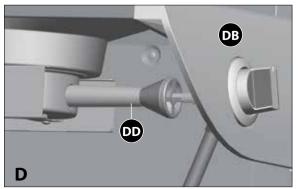
View from above, left side shelf



View from underneath left side shelf



View from underneath left side shelf

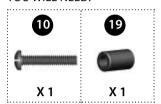


View from underneath left side shelf

a. Position the electrode spacer (#19) on the infrared support frame (DC) and then feed the infrared burner electrode (DE) through the opening on the right side of the infrared support frame (DC). Assemble using hardware as shown in figure A.

NOTE: the infrared electrode (DE) set can be found attached to the infrared side burner valve (CC).

YOU WILL NEED:

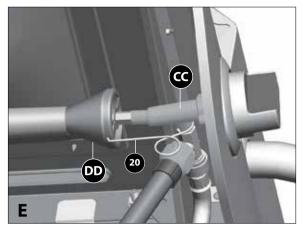


b. To complete assembly of the infrared side burner (DD), align the brackets of the infrared side burner (DD) to the brackets located on the infrared grease tray rails (DJ) as shown in figure B and C. Assemble using hardware.

IMPORTANT: Make sure that the infrared side burner (DD) engages the sear stove burner valve (CC) before tightening hardware (figure D).



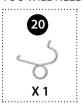
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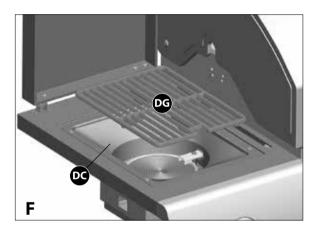
View from underneath left side shelf

c. Use the side burner Venturi clip (#20) to connect the infrared side burner (DD) to the side burner valve (CC).

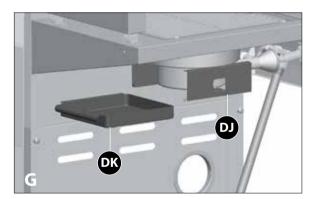
YOU WILL NEED:



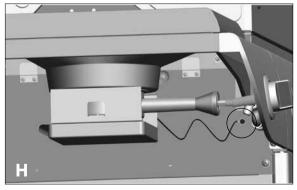
d. Position the side burner cooking grate (DG) onto the infrared support frame (DC).



e. Position the infrared grease tray (DK) onto the infrared grease tray rails (DJ).

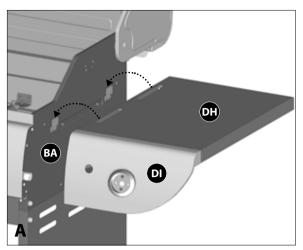


View from the back, left side

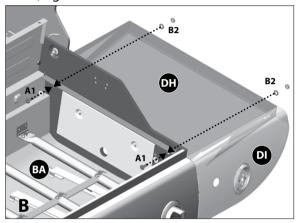


View from underneath left side shelf

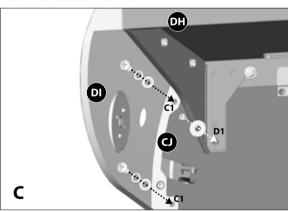
f. Verify that the black grounding wire attached to the side burner electrode is pre-assembled to the side of the burner box as shown in figure H.



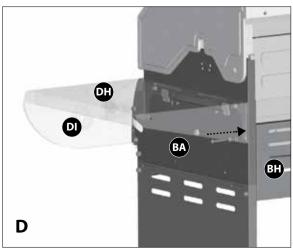
Front, right side view



View inside burner box



View, under right side shelf



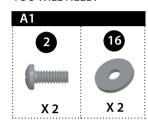
Back, right side view

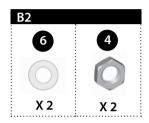
RIGHT SIDE SHELF ASSEMBLY

TIP: Do not tighten until all hardware is in place.

- a. Mount the right side shelf (DH and DI) onto the two support brackets, located on the right, upper side panel of the burner box (BA).
- b. Assemble the right side shelf (DH and DI) to the upper side panel of the burner box (BA), by positioning hardware through the interior of the burner box, as shown in figure B.

YOU WILL NEED:

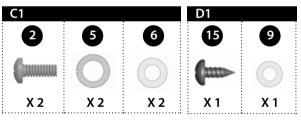




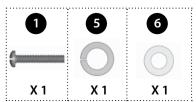
TIP: Ensure that the rubber side of the rubberized washer makes contact with the burner box.

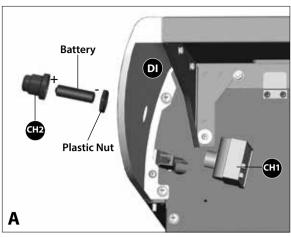
c. Assemble the front of the right side shelf (DH and DI) to the control panel (CJ), as shown in figure C.

YOU WILL NEED:

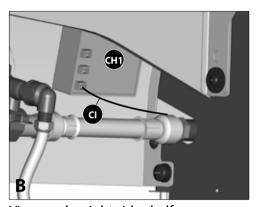


d. Complete the right side burner side shelf assembly (DI and DH) by connecting the side shelf, the rear of the Burner Box side panel (BA), and the Upper Back Panel (BH), as shown in figure D.

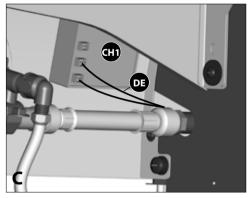




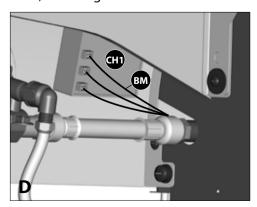
View, under right side shelf



View, under right side shelf



View, under right side shelf



View, under right side shelf

ELECTRONIC IGNITION ASSEMBLY

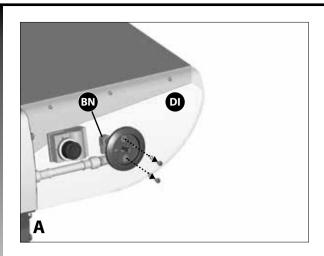
- a. Remove the Ignition Battery Cover (CH2) and the plastic nut from the Electronic Ignition Box (CH1).
- b. Position the Electronic Igniter Assembly (CH1) through the opening in the Right Side Shelf Fascia (DI) and secure using the plastic nut.
- c. Insert one "AA" battery into the battery compartment (CH1) with the positive end facing outward, as shown. Secure using the electronic ignition button (CH2).
 - * Battery not included.

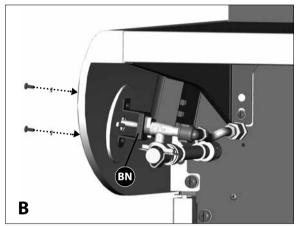
Note: All wire connectors are the same.

d. Insert the Electrode Sets, for the Main Burner (CI), the infrared side burner (DE), and the rotisserie burner (BM), into the Electronic Igniter Assembly (CH1). (Figure B, C and D)

Ensure that the wire is pushed in firmly.

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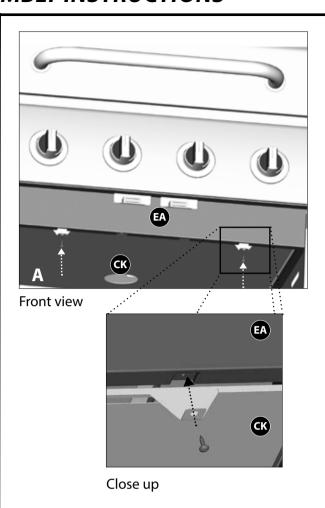
a. Remove the hardware that is pre-assembled to the Rotisserie Burner Valve (BN), as shown in figure A.

Assemble the Rotisserie Burner Valve (BN) to the Right Side Shelf Fascia (DI), using the hardware removed.

b. Assemble the Side Burner Control Knob (#17) to the Rotisserie Burner Valve (BN).

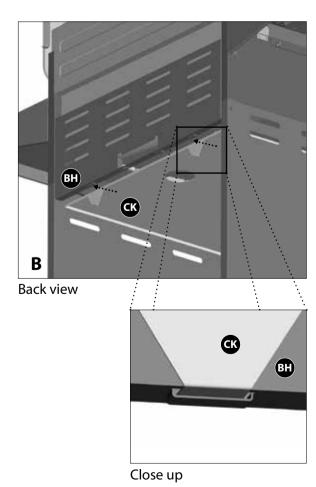


14

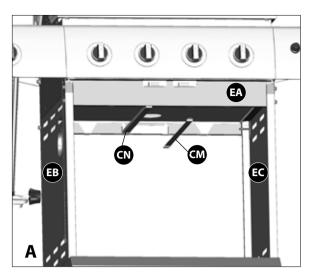


Assemble the Heat Shield (CK) to the bottom of the Door Support Rail (EA) and the Upper back panel (BH), as shown in figure A and B.





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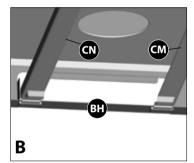


Front view

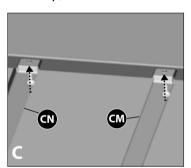
a. Assemble the Left and Right Tracks (CN and CM) for the Grease Tray (CL), as shown in figure A.

YOU WILL NEED:

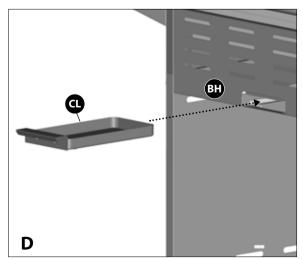




Close up, back view



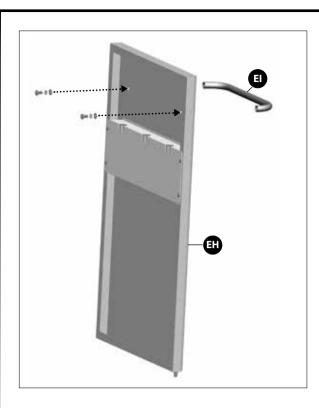
Close up, front view



Back view

b. Insert the Grease Tray (CL) into the opening of the Upper Back Panel (BH).

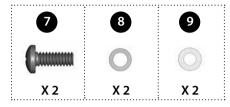
16



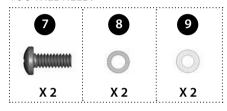
Assemble the Door Handle (EI) to the Left and Right Door Assembly (EG and EH).

Left door handle

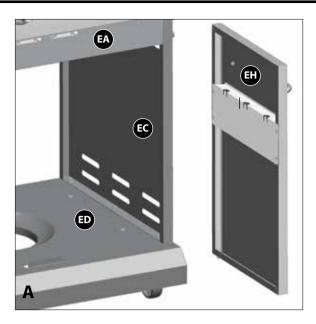
YOU WILL NEED:



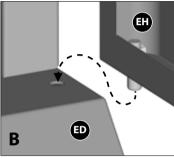
Right door handle



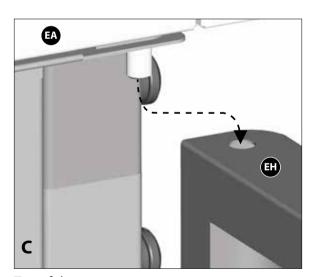
17



a. Assemble the right door assembly (EH), to the bottom shelf (ED) by inserting the fixed pin (bottom of door) into the hole provided (figure B).



Close up, bottom of door

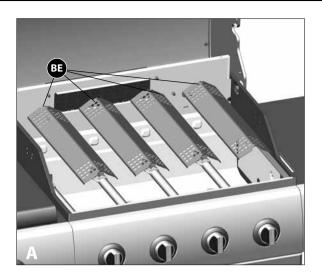


Top of door

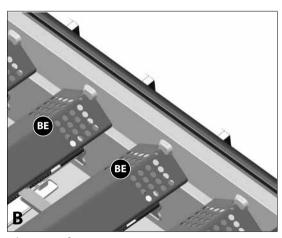
b. Assemble the top of the door assembly (EH) to the door support rail (EA), by pressing in the door support pin and aligning with the hole located on the top right corner of the door (figure C).

TIP: Use a paint scraper to press-in the support pin, while the second person aligns the door. The support pin will lock into position when the door is assembled correctly.

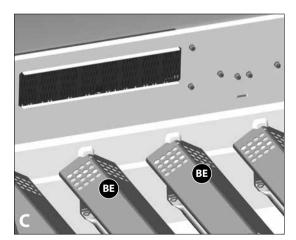
c. Repeat steps a, and b for the left door assembly (EG).



a. Position the Flame Tamers (BE) into the Burner Box (BA).

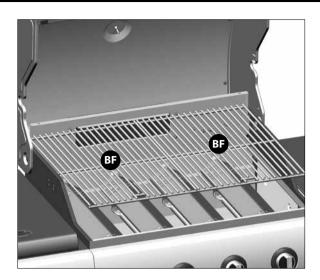


Close up, front view



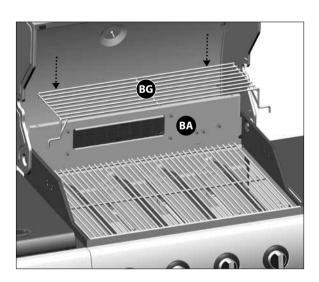
Close up, back view

19

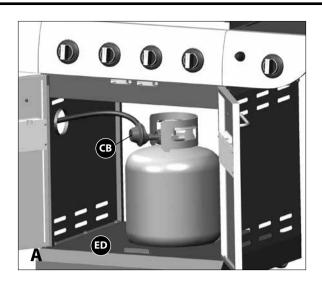


Place the cooking grates (BF) into the burner box (BA).

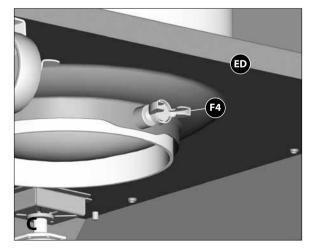
20



Insert the two small positioning rods of the warming rack (BG) into the rear panel of the burner box (BA).







View, underneath bottom panel

FOR PROPANE MODEL ONLY FOR NATURAL GAS MODEL, FOLLOW STEP 22.

- a. Attach the Regulator coupling nut (CB) to the LP cylinder valve.
- b. Position the 20 lb propane tank onto the Bottom Shelf (ED), and secure using the bolt (already attached) located on the underside of the Bottom Shelf (ED), as shown in figure C.

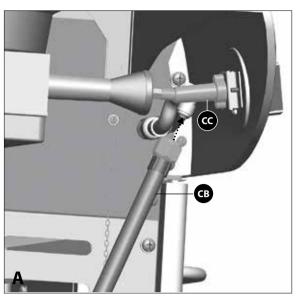
ATTENTION A

FOR YOUR SAFETY, DO NOT ATTEMPT TO LIGHT THIS BBQ UNTIL YOU HAVE REVIEWED PAGES 4-8 OF THE MASTER CHEF® SAFETY & CARE MANUAL.

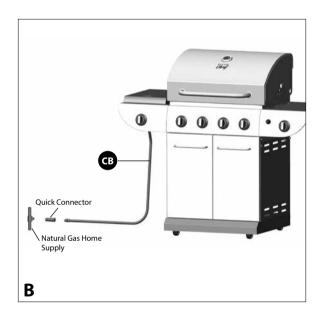
ALL SAFETY AND LEAK TESTS MUST BE PERFORMED BY THE END USER, PRIOR TO LIGHTING THIS BBQ.

ATTENTION A
DO NOT STORE EXTRA PROPANE TANKS WITHIN
BBQ CART.

22



View from underneath left side shelf



FOR NATURAL GAS MODEL ONLY

Attach the Natural Gas Hose (CB) to the IR Side Burner Valve (CC) as shown.

ATTENTION

In order to complete installation of your Natural Gas BBQ a 1/2" or 3/8" adapter may be required to connect your BBQ's Natural Gas hose to your home gas supply. Contact your Natural Gas supplier to purchase the necessary part.

A ATTENTION **A**

FOR YOUR SAFETY, DO NOT ATTEMPT TO LIGHT THIS BBQ UNTIL YOU HAVE REVIEWED PAGES 4-8 OF THE MASTER CHEF® SAFETY & CARE MANUAL.

ALL SAFETY AND LEAK TESTS MUST BE PERFORMED BY THE END USER, PRIOR TO LIGHTING THIS BBQ.

WARNING: For all new, at home, natural gas connections please contact a certified gas technician to install your natural gas barbecue.



Visit **www.masterchefbbqs.com** to complete product registration

Master Chef® Customer Service 1-855-453-2150