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**Getting Started with the  
Big Green Egg®**

## BIG GREEN EGG SAFETY TIPS

- ALWAYS EXERCISE CAUTION WHEN USING ANY HOT COOKING DEVICE
- PLACE AND USE YOUR EGG IN A SAFE and LEVEL SPOT. DO NOT place an EGG® on a slope, uneven surface or under low trees or branches. Use the locking casters on the wheels once the EGG is moved into position to keep it in place. DO NOT attempt to move your EGG while in use or when the charcoal is hot!
- PULL DON'T PUSH. When moving your EGG in the metal nest, place both hands on the Nest or Handler and pull the EGG behind you. Do not push it ahead of you. The Nest or Handler are not designed to roll over uneven terrain such as gravel, or to be rolled on soft soil or grass. Always make sure you have stable footing and have somebody helping if necessary.
- AVOID BACKDRAFTS or FLASHBACK. Once an EGG is lit, always carefully vent or "burp" it before opening the dome fully by cracking it a few times about an inch or two first – this allows the incoming air to enter slowly and helps avoid a flashback. Use extra caution when opening a hot EGG with closed vents, as the sudden rush of air can cause a dangerous flare up. If you have a flame flare-up - close the lid and the air vents to control the flame, and use extreme caution when re-opening your EGG. It is always advisable to wear heat resistant gloves, and to take care to protect yourself.
- LIFT WITH THE GRILL GRIPPER. Use the specially designed BGE Grill Gripper to pick up and lift hot grills. Hold the Gripper so that one prong grips the grill from underneath. If you try to grip from directly above the grill you won't have enough cantilever force to lift it.
- DO NOT ATTEMPT TO REMOVE OR ADJUST FIREBOX WHEN IT IS HOT or contains any warm charcoal, and DO NOT attempt to remove any lit charcoal from the Firebox. Internal ceramics will remain hot for long periods. Caution - Handle with Care.
- DO NOT LOOK DOWN INTO THE TOP VENT WHEN THE EGG IS IN USE or if the charcoal is lit. This is dangerous behavior. Hot air can burn or singe you, and can cause injury.
- DO USE CAUTION WHEN TOUCHING THE EXTERIOR OF AN EGG - exterior surfaces are HOT when in use. Always keep children, pets, and combustible items away from your EGG.
- DO NOT ATTEMPT TO COOK WITH THE PATENTED DUAL-FUNCTION METAL CAP REMOVED. Your EGG will accelerate to very hot temperatures quickly and you cannot control temperature without the adjustable cap in place.
- DO KEEP THE PATENTED LOWER DRAFT DOOR SPARK SCREEN CLOSED TO PREVENT FIRE HAZARDS. This will minimize any sparks or hot coals from exiting the lower draft door. Do not place the EGG in proximity to combustible ground cover such as leaves or other potential fire hazards.
- DO USE EXTREME CAUTION WHEN HANDLING OR REMOVING HOT COOKING SURFACES including the cooking grate, plate setter or pizza/baking stone from your EGG. The ceramics will be extremely hot. Take care to place them somewhere where they can't burn anyone or come into contact with combustible surfaces. Always use protective gloves and gripping tools to avoid burns. Always exercise caution and keep children, pets and clothing away from an EGG while in use.
- NEVER USE WATER TO EXTINGUISH CHARCOAL IN AN EGG. Simply close both air vents and it will extinguish itself.
- DO NOT USE LIGHTER FLUID OR ANY FLAMMABLE LIQUIDS IN AN EGG. Big Green Egg Natural Lump Charcoal lights easily when using the Natural Fire Starter or Electric Fire Starter for best results. NEVER use charcoal briquettes, lighter fluids or any flammable liquids in your EGG. This may void the Warranty.
- DO NOT PLACE AN EGG DIRECTLY ON A WOOD SURFACE OR ON OR NEAR ANY COMBUSTIBLE SURFACE! The bottom of the ceramic vessel does generate significant heat when in use, and may cause combustion if placed directly on - or in proximity to - any combustible material. The EGG is designed to be used in a metal Nest or with a metal table Nest, providing an air gap below the EGG. Alternately, a concrete paver block may be used to support the EGG when used in a table. For maximum heat protection, a paver block and a metal table Nest can be used in combination. Always close both vents fully upon conclusion of cooking.
- CAUTION – ALWAYS BE AWARE OF FIRE HAZARDS. Do not leave a lit EGG with the dome open if it is unattended. Be aware of dry leaves, decking and other combustible materials that may be in proximity to an EGG while it is in use, as they may present a fire hazard if any hot charcoal or sparks are allowed to come into contact. Do be aware of your surroundings if using an EGG while camping or on cookouts, as any open flame can present a hazard to people and property.
- DO BE AWARE THAT LOCAL ORDINANCES MAY SPECIFY A DISTANCE TO PLACE ANY OUTDOOR COOKER AWAY FROM A STRUCTURE, or may limit outdoor flame of any type during drought or fire hazard periods.
- DO NOT ATTEMPT TO LIGHT OR USE AN EGG INDOORS WITHOUT SUFFICIENT VENTILATION! INDOOR USE IS RECOMMENDED ONLY FOR COMMERCIAL APPLICATIONS, IN ACCORDANCE WITH BUILDING CODES WHERE VENTING AND FIRE SUPPRESSION SYSTEMS ARE PRESENT.
- DO NOT attempt to light or use an EGG near any structure or storage area that may contain combustible materials. THE BIG GREEN EGG IS EXTREMELY SAFE AND HAZARD FREE WHEN USED AS INTENDED AND ACCORDING TO SAFETY GUIDELINES, AND WILL PROVIDE YEARS OF TROUBLE FREE USE AND ENJOYMENT. IT IS THE USERS RESPONSIBILITY TO MAINTAIN SAFE OPERATION OF THE EGG AND TO EXERCISE CAUTION AND REASONABLE STANDARDS OF CARE AT ALL TIMES. ALWAYS EXERCISE EXTREME CAUTION WHEN LIGHTING CHARCOAL, COOKING WITH HOT CHARCOAL OR HANDLING HOT COOKING SURFACES.

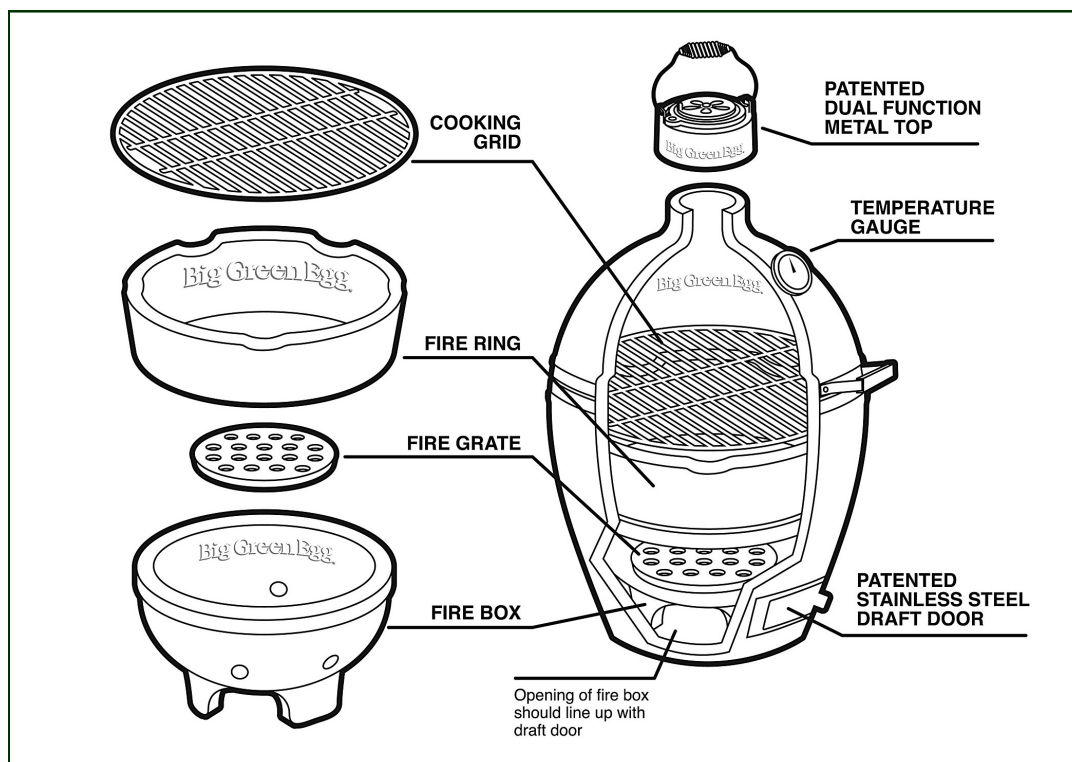
## Unpacking and Assembling the Big Green Egg

Congratulations! You have purchased a Big Green Egg — The Ultimate Cooking Experience! While the assembly of an EGG is not complicated, we do strongly recommend that you view the video to avoid damaging the EGG or misassembling any of the components.

### Unpacking the EGG

The Big Green Egg itself is packed in two boxes; you may have more boxes – for a Nest, Table, Mates, Shelves or a Nest Handler. If you have a Nest, Handler or Table, assemble them first.

The large box contains: ceramic base, dome, fire box, fire ring and ceramic damper top. DO NOT remove the gray felt gasket from the base or dome; this gasket provides a seal when the EGG is used. The EGG Assembly Kit box contains: spring assisted bands and hinge mechanism, dual function metal top, temperature gauge, cast iron fire grate, stainless steel grid, self-adhesive felt, assembly bolts and hardware.



### Placing the EGG

If using a Nest: with someone assisting, carefully place the EGG base into the Nest with the vent door facing the front side of the Nest — the front has two locking casters. The EGG may not push all the way down into the Nest until fully assembled; this is normal.

If using a Table: with someone assisting, carefully place the EGG base into the table with the vent door facing the front side of the table. If using a table do not place the EGG base directly onto the wood! Use the optional Big Green Egg metal Table Nest or a garden paving stone or insulated brick to support the EGG. Do not set the EGG directly onto any wood surface.

***WARNING! Failure to use the metal Table Nest or to place an insulating stone between the EGG and the wood could cause serious damage to your table and other property.***

Install the band and dome according to the assembly instructions (*for XLarge EGGs see pages 7-11, for Large, Medium or Small EGGs see pages 12-13, for Mini EGGs see pages 14-15*). If you are installing the optional EGG Mates or Shelves at this time you will want to insert the EGG Mates/Shelves clinch studs into the lower band only (*step #1 of the EGG Mates or Shelves instructions*).

***WARNING! The hinge mechanism is under spring pressure, do not remove the white plastic shipping retainer bars until instructed or personal injury could occur.***

Ensure that your EGG is sitting flat in the Nest or Table by applying light pressure downward on the dome. Slowly lift the EGG handle until the dome remains securely open.

Place the fire box into the base by reaching through the center of the fire box and using the opening at the bottom as a handle. Be sure that the opening in the bottom of the fire box faces the opening of the stainless steel draft door.

For the Large, Medium, Small or Mini EGG, place the fire ring on top of the fire box, making sure that the rounded notches in the fire ring face upward. For the XLarge, the square notches in the fire ring face upward and the rounded notches face downward.

Now place the fire grate, beveled edge down, into the fire box and then place the stainless steel cooking grid on top of the fire ring.

### **Installing the External Temperature Gauge, Seal Kit, Dual Function Metal Top and Ceramic Damper Top**

To install the external temperature gauge, close the dome and place the probe of the thermometer into the small hole in the front of the dome, about halfway up from the handle. Open the dome and use the supplied clip to fasten the probe from the inside. You must squeeze the clip to move it up the probe so that it fits flush against the inside of the dome.

DO NOT REMOVE the gray felt gasket around the rim of the base and the dome. The gasket provides a seal when the dome is closed.

Grasp the handle and slowly lower the dome. Place the dual function metal top onto the dome when using the EGG to control air flow. When not in use, the ceramic damper top can be used to seal the opening. Do not attempt to remove the metal top until the EGG is cool.

***IMPORTANT! After using the EGG a few times, ideally after your first four cooks and when the EGG is cool, please recheck the carriage bolts for tightness. We recommend rechecking the various nuts and bolts once a year to make sure that everything remains secure, particularly if you move your EGG frequently.***

## Starting the Fire

Watch the Lighting video at [BigGreenEgg.com/getting-started/](http://BigGreenEgg.com/getting-started/) for tips.

For best results, cook with Big Green Egg Natural Lump Charcoal, made from 100% American oak and hickory “premium select” hardwoods. Fill the fire box with charcoal, up to the horizontal line that separates the fire box and the fire ring. Open the dome and slide the patented stainless steel draft door completely open, leaving the mesh screen completely closed.

If using Natural Charcoal Starters, nestle one or two Charcoal Starters into the center of the charcoal and light. After seven to ten minutes, or when several coals are burning, close the dome and fully open the dual function metal top for maximum air flow.

If using an Electric Charcoal Starter, first bury the lighter into the charcoal and plug it in. After seven to ten minutes, or when several coals are burning, remove and unplug the lighter. Close the dome and fully open the dual function metal top for maximum air flow. **Caution: the lighter will be hot!**

Replace the cooking grid. Never use lighter fluid ... you don't need it and you don't want chemical taste on your food.

When the temperature gauge reaches the desired cooking temperature, reduce the airflow by adjusting the dual function metal top and the draft door. Small adjustments may be made later if necessary to fine tune the temperature.

When you are finished cooking, simply close both dampers. The fire will soon be extinguished and the Big Green Egg will begin to cool. Because of the thick ceramic walls of the EGG, it may take a while to cool — remember, this works well to keep foods warm. *Do not use water to extinguish the coals!*

***NOTE! AVOID BACKDRAFTS or FLASHBACK. Once an EGG is lit, always carefully vent or "burp" it before opening the dome fully by cracking it a few times about an inch or two first — this allows the incoming air to enter slowly and helps avoid a flashback. Use extra caution when opening a hot EGG with closed vents, as the sudden rush of air can cause a dangerous flare up. If you have a flame flare-up - close the lid and the air vents to control the flame, and use extreme caution when re-opening your EGG. It is always advisable to wear heat resistant gloves, and to take care to protect yourself.***

## Restarting the Big Green Egg

You will find that much of the charcoal you started out with for your previous cookout was not consumed. If you closed the dampers when you finished cooking much of the charcoal can be reused. Before firing up the EGG, use an ash tool to rake the coals across the cast iron fire grate; the ash will fall through the holes in the grate and into the bottom of the EGG. Add charcoal if necessary to bring the level just above the air holes as before. You are now ready to relight the EGG.

Periodically, use your ash tool to reach through the draft door and rake out the ashes. Also check the air holes in the fire box to make sure that they are clear; these sometimes become filled with small bits of charcoal or ash which will reduce air flow.

## Maintaining your Big Green Egg

As you use your Big Green Egg the inside parts will get darker, seasoning naturally. It is not necessary to clean the inner walls unless the coating becomes excessive. The EGG will burn off any splattering inside much like a self-cleaning oven. The ceramic fire ring and fire box do not need to be removed for cleaning; the parts might get dropped or damaged if removed. This type of damage is not covered by your warranty; the warranty covers damage due to cracking caused by heat.

The fire ring and fire box often develop superficial fissures or small cracks. This is due to normal aging of ceramics and will not affect the cooking results or durability of your EGG®. Should the ceramic ever break apart, it can usually still be used for cooking until a repair can be made. Any of our ceramic parts can be easily repaired with the use of a heat resistant epoxy. Look for a high temperature, non-toxic epoxy, available at most home center or hardware stores. Follow the instructions that come with the product. The repaired part should be ready within a few hours.

## Removing the Ash

If you use the recommended Big Green Egg Natural Lump Charcoal, you will have very little ash to remove. Periodically use an ash tool to reach through the draft door and rake out the ashes. Also check the air holes in the fire box to make sure that they are clear; these sometimes become filled with small bits of charcoal or ash which will reduce air flow. Only remove the ash when your EGG is cool.

## Replacing the Gasket

The heat sealing gasket material installed on your Big Green Egg® is designed to last for years under normal operating conditions. If the gasket shows signs of excessive wear or deterioration, it can be easily replaced using a Genuine Big Green Egg High Temperature Gasket Kit.

Make sure the EGG is completely cool. Change gasket only in a dry, well-ventilated location. Please take safety precautions and use protective gloves and eyewear.

Begin by slightly moistening the old gasket material with acetone or isopropyl alcohol. Completely remove the old gasket with a flat-edged scraper, and then clean the rim of the base and lid with acetone or isopropyl alcohol to remove any gasket or adhesive residue (caution should be taken to avoid damage to the ceramic surface). Do not use common household adhesive removers as they can leave a residue on the ceramic surface.

Allow ceramic to dry for at least 30 minutes; the surface must be clean and dry for the new gasket to adhere. The new gasket is self-adhesive, provided that you have properly removed the old gasket and cleaned the surface as instructed.

Simply remove the backing from the gasket, taking care not to touch the adhesive side, and press firmly down onto the rim. Carefully curve or bend the gasket material around the rim as you press down, being careful not to let the gasket material hang over the inside edge. Do not pull or attempt to stretch the gasket; there is ample material for the top and bottom rim of your EGG. Trim any excess length as needed.

Before using EGG, please allow gasket to cure for 24 hours in a dry location with the lid closed. To improve longevity, keep gasket clean of grease and oils.

**CAUTION - Only replace the gasket on a completely cooled and dry Big Green Egg. Wear protective eyewear and gloves when handling acetone or isopropyl alcohol; work only in a well-ventilated area, and do not use these products while smoking, near an open flame or near any source of ignition.**

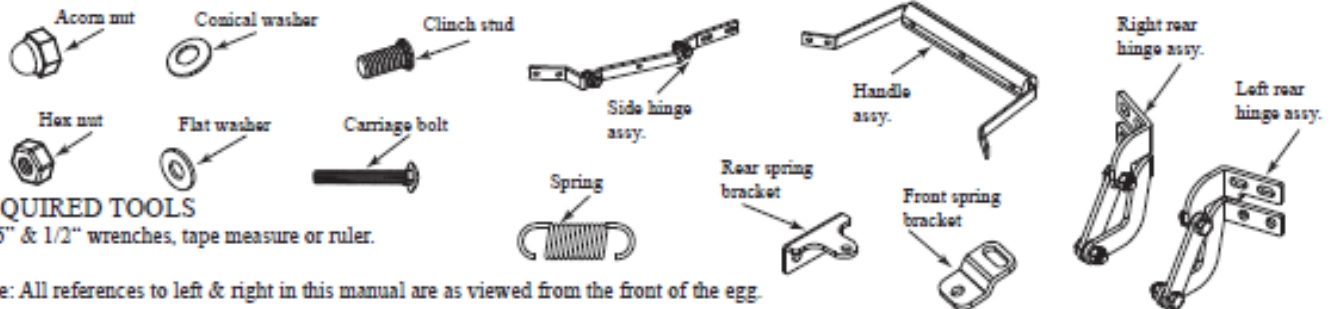


# Assembly Manual for an XLarge EGG Band

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- (2) Bands (1) Handle assembly (2) Side hinge assemblies (1) Left rear hinge assembly  
 (1) Right rear hinge assembly (2) Front spring brackets (2) Rear spring brackets (2) Springs  
 (1) Hardware bag: (14) 1/4" x 5/8" clinch studs (4) 1/4" x 3/4" (green) clinch studs (4) 1/4" x 1/2" clinch studs  
 (22) 1/4" acorn nuts (18) conical washers (2) 5/16 x 2" carriage bolts (2) 5/16" flat washers (2) 5/16" hex nuts (4) black vinyl caps



## REQUIRED TOOLS

7/16" & 1/2" wrenches, tape measure or ruler.

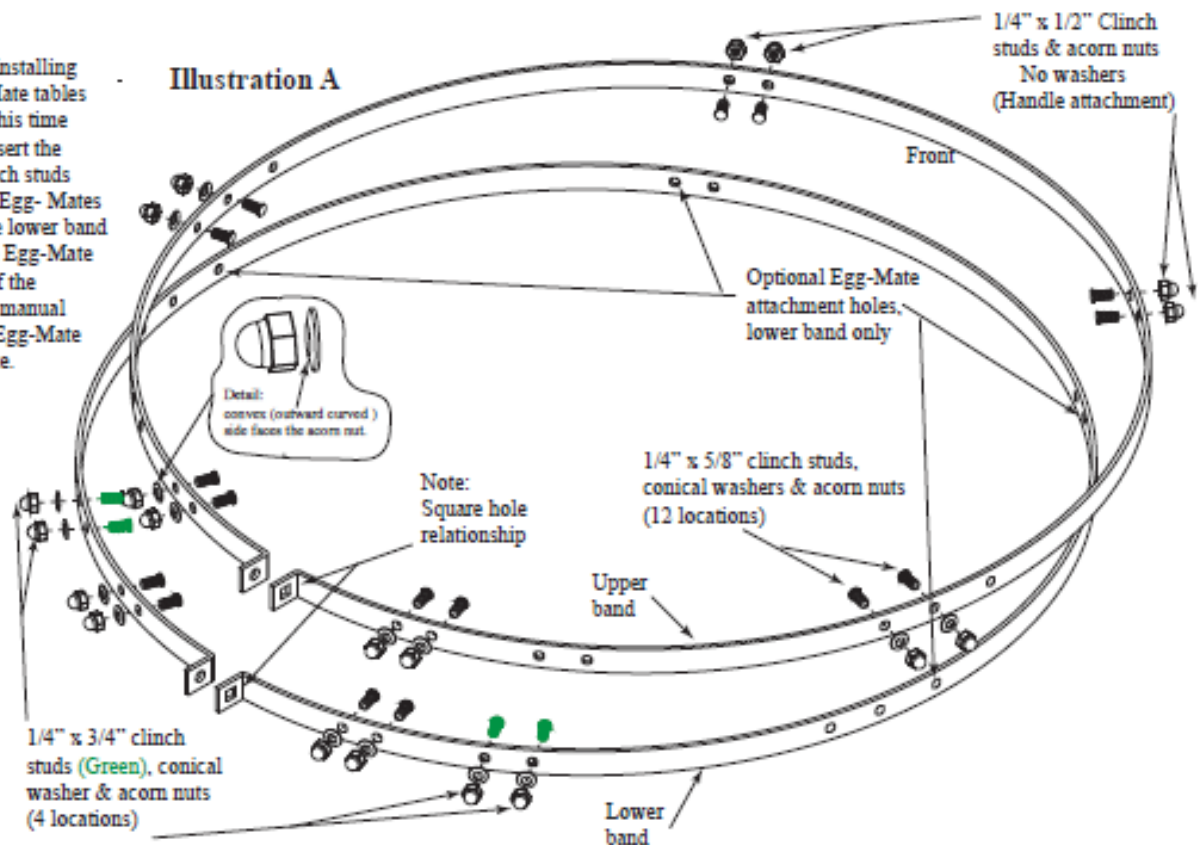
Note: All references to left & right in this manual are as viewed from the front of the egg.

The photo illustrations in this manual show silver colored brackets & fasteners, this is for improved visual contrast for illustration purposes. Most of the components included with your unit are black in color.

**STEP 1:** Verify all components on the contents list are present. Place the egg stand of your choosing (optional nest or table) on a flat & level surface. Carefully remove all the internal components from inside the egg bottom. (Save the foam / cardboard pads that separated the egg bottom from the top during shipping, these will be needed in step 4) With the aid of an assistant, place the egg bottom into the stand with the lower vent door facing forward. Carefully place all the components back into the egg bottom.

**STEP 2 :** Open the hardware bag and locate the (4) 1/4" x 1/2" clinch studs (shortest 4). Insert them into the handle attachment holes in the upper band, then install & hand tighten an acorn nut onto each one to hold it in place during band installation. (Illustration A) (Note: both bands are identical and some holes are not used, they become upper & lower after the fasteners are installed as specified.) Install (4) 1/4" x 3/4" clinch studs (green) into the lower band as illustrated, install a conical washer & acorn nut onto each stud and hand tighten. Install (12) 1/4" x 5/8" clinch studs with conical washers & acorn nuts into the remaining designated locations as in (illustration A) and hand tighten. Note: If you are installing the optional Nest Handler, you will want to substitute (2) longer clinch studs included with the Nest Handler. (refer to step 5 in the Nest Handler manual).

Note: If you are installing the optional Egg-Mate tables or Egg Shelves at this time you will want to insert the (4) 1/4" x 5/8" clinch studs (provided with the Egg-Mates or Shelves) into the lower band only. (Step 1 of the Egg-Mate manual). Several of the illustrations in this manual show the optional Egg-Mate clinch studs in place.



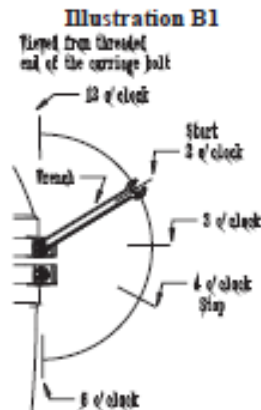
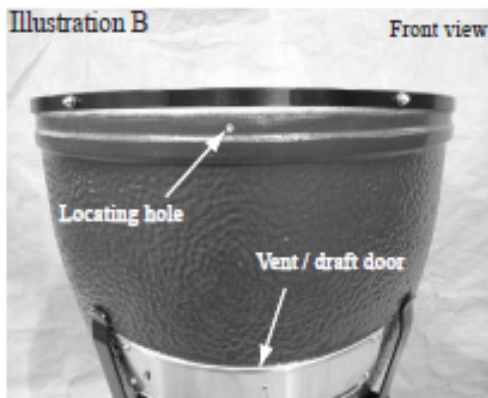
# Assembly Manual for an XLarge EGG Band

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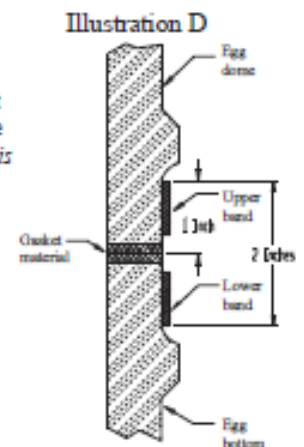
**STEP 3:** Install the lower band onto the egg bottom; the square hole in the flange at the end of the band should be to the left at the rear of the egg. Note, the egg bottom and dome have a locating hole on the band attachment area that indicate the front of the grill this will be centered between the handle attachment holes in the bands. (**Illustration B**) Insert a 5/16" x 2" carriage bolt through the square hole then the round hole in the band tensioning flanges at the rear of the egg bottom. Install a flat washer and a 5/16" hex nut and hand tighten. Measure vertically from the top of the gasket surface to the lower edge on the band; position the band as close to 1 inch as you can (**Illustration D**) (slightly more than 1 inch is better than less). Do this at four points, front, rear and both sides. When you have the band set at 1 inch, proceed to tighten the 5/16" carriage bolt to approximately 120 inch lbs. or 10 ft. lbs. (**bending of the bolt and flanges during tightening is normal / recommended. Don't fear the ceramic will not break**). If you are like most people, you don't own or have access to a torque wrench. No problem, after a brief lesson on the basic principals of leverage & torque you will be able to correctly tighten your bands with a standard wrench. First of all the basics: We all know 12 inches equal 1 foot, and likewise 12 inch pounds equal 1 foot pound. Torque = rotational force, and one way to measure torque is in foot pounds. For example if you have a 1 foot long wrench placed on a bolt and you apply 1 pound of weight or force at the opposite end of the wrench you are applying 1 foot pound or 12 inch pounds of torque to the bolt. In our situation you need to apply 10 pounds of weight or force to the end of a 1 foot wrench to obtain the 10 ft. lbs. of torque required. The 5/16" fastener you are tightening requires a 1/2" wrench, and most typical 1/2" wrenches measure about 5 or 6 inches long. You most likely have the typical wrench that is approximately 6" (1/2 of a foot) long, so how much weight or force do you need to apply to the end of your shorter wrench to obtain 10 foot pounds of torque at the fastener? You would need to double the force or weight (20 pounds for the current situation) applied to the end of the 6" wrench to obtain the required 10 ft. lbs of torque at the fastener.

The simplest method is to estimate the force or weight you are applying to the wrench by hand. To obtain a more accurate final torque setting, you can hang a known weight from the end of the wrench by carefully suspending it with a securely attached short rope or wire. An old bar bell weight or a pail of sand weighed on a scale will work for this. You want the weight or force to be applied as squarely to the wrench as possible. For example start with the wrench in approximately the 2 o'clock position (as viewed from the threaded end of the carriage bolt) make sure your wrench is securely engaged on the carriage bolt nut with no chance it could slip off. Support the weight by hand and let it slowly pull the wrench down to approximately the 4 o'clock position. Reposition the wrench at the 2 o'clock starting position and repeat this procedure until the wrench stops turning. When the wrench stops turning the fastener is properly tightened. (**illustration B1**)

After the band is securely tightened, check the 1-inch measurement once again to make sure the band didn't move upward reducing your 1-inch measurement. If the band did move and you have less than a 1-inch measurement loosen the band, reset the 1-inch measurement and tighten the band again. Check the measurement again, if it is still less than 1 inch note the measurement and proceed to step 4.



**STEP 4:** In this step you will be installing the upper band onto the egg dome. This works best with the dome supported upside-down, gravity will help you in this way. Remove the cooking grate from inside the egg bottom. Replace the cardboard / foam pads (retained from step 1) inside the top lip of the egg bottom. If you discarded the original pads use some other suitable thick padding to line the inside lip of the egg bottom to prevent chipping the glaze finish on the egg dome. Find the front locating hole in the band attachment area of the egg dome. With the padding in place on the egg bottom, and with the help of an assistant, carefully place the egg dome upside down inside the egg bottom with the front locating hole roughly aligned with the front of the grill bottom. (**Illustration C**) Place the upper band onto the egg dome with the square hole in the tensioning flange to the right side at the rear of the egg. (*Since the dome is upside down, this is opposite of the egg bottom band*) Position the band so the locating hole in the dome is centered left to right between the handle attachment acorn nuts. Insert a 5/16" x 2" carriage bolt through the square hole then the round hole in the band tensioning flanges at the rear of the egg dome. Install a flat washer and a 5/16" hex nut and hand-tighten. As in step 3 adjust the band height on the dome so it measures 1 inch from the gasket surface to the lower edge on the band. If your measurement in step 3 was less than 1 inch (*i.e. your measurement was 7/8" that is 1/8" less than the 1" required*) you will want to try to increase the dome band measurement by the amount your base measurement was less than 1 inch (*i.e. 1" required + 1/8" = 1-1/8"*). Measure & adjust this at four points and then tighten the 5/16" carriage bolt approximately as tight as you did the lower band in step 3. (*you can do a final torque setting after the egg dome is in place and securely attached*). After tightening, check your measurement again to verify it didn't change. Repeat this process if needed to adjust the dimension as close as possible.

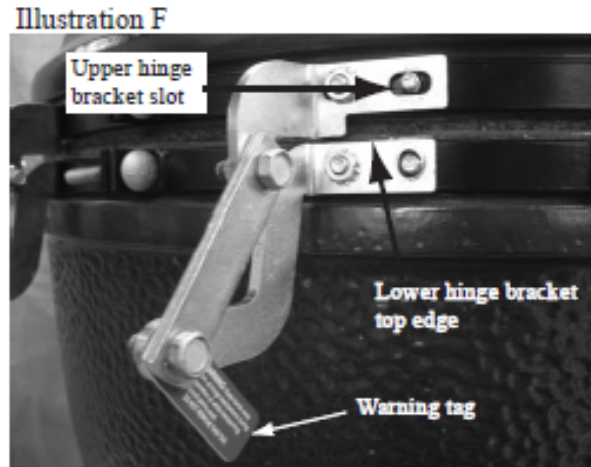
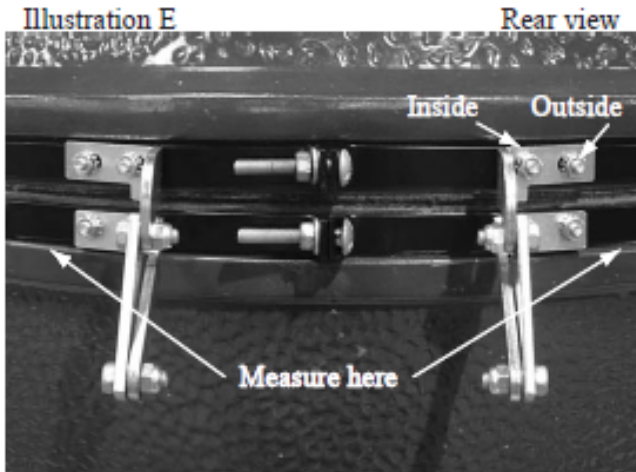


**STEP 5:** With the help of an assistant, lift the egg dome from the egg bottom and remove the padding from the inside lip of the egg bottom. Turn the egg dome upright and place it onto the egg bottom with the band tensioning flanges aligned at the rear of the egg. Remove the four handle attachment acorn nuts from the front of the upper band, slide the handle assembly onto the studs and reattach the acorn nuts (*make sure the Big Green Egg brand on the front wood cover is not upside down*) and then tighten all four acorn nuts. Center the dome on the base, front to rear and left to right.



# Assembly Manual for an XLarge EGG Band

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**STEP 6:** Remove the 8 acorn nuts & conical washers from the clinch studs for rear hinge bracket attachment. Measure the vertical distance from the top edge of the upper band to the bottom edge of the lower band (*It should be 2" plus or minus 1/16"*). Make this measurement at two places, just outside of where the rear hinge brackets will attach (**Illustrations D & E**). The rear lower hinge bracket has a small vertical slot for fine adjustment as needed.

If your measurement was  $2'' + - 1/16''$  as specified in (**Illustration D**), place the hinge assembly onto the studs in both bands and position it so the top edge of the lower hinge bracket is flush / even & parallel with the top edge of the lower band. Install the conical washers & acorn nuts and tighten the inside nut first, then the outside nut, make sure the bracket doesn't move during tightening. Repeat this procedure for the opposite rear hinge assembly.

If your measurement was less than the specified 2" distance by more than  $1/16''$  position the lower bracket downward as far as possible on the clinch studs. Install the conical washers & acorn nuts and tighten the inside nut first, then the outside nut, make sure the bracket doesn't move during tightening. Repeat this procedure for the opposite rear hinge assembly.

Look at the location of the clinch studs in relationship to the slot in the upper hinge bracket; (**Illustration F**) you may have to slightly rotate the dome to equalize the location of the studs in the left & right brackets. Install the conical washers & acorn nuts for the upper hinge brackets and securely tighten, starting with the inside nut first.



**STEP 7:** Make sure the dome is still centered left to right on the egg bottom. At the rear of the egg, place the closed / boxed end of your  $1/2''$  wrench onto the band tensioning carriage bolt of the upper / dome band. Brace your knee against the egg bottom to prevent the egg bottom from moving. Firmly grasp the wrench and use it as a handle to gently pull the egg dome rearward typically  $1/8''$  to  $1/4''$  (**Illustration G**). The goal is to create a small gap ( $1/16''$  to  $1/8''$ ) between the dome and base gaskets at the rear of the egg. Remove your  $1/2''$  wrench and proceed to the front of the egg. Grasp the dome lift handle and slowly lift straight up (*do not pull forward*) between  $1/2$  inch and no more than 1 inch, then lower the dome back down. (*This allows the dome to rotate forward on the hinge to the proper location on the bottom*) If you lifted the dome too far repeat step 7. Once step 7 is complete **Do Not** move the dome until instructed in step 9.

**STEP 8A:** Remove the 8 acorn nuts & conical washers that will attach the left & right side hinge assemblies, 4 from each band. Position the lower side hinge bracket onto the studs in the lower band. Position a rear spring bracket onto the same studs install the conical washers and the acorn nuts and securely tighten. Attach a slotted front spring bracket to the inside of the side link bar using a  $1/4'' \times 5/8''$  clinch stud through the round hole in the spring bracket then through the round hole in the side link bar and install a conical washer & an acorn nut. The slotted section of the spring bracket should overhang the edge of the side link bar facing the front of the egg. The front spring bracket is offset formed to prevent it from rotating on the link bar. (**Illustration H**) Rotate the side link bar forward into position so the upper side hinge bracket can be placed onto the studs in the upper band. Install and hand tighten the inner conical washer & acorn nut only. Repeat this for the opposite side hinge assembly. After both assemblies are in place, look at the outer slot and the stud in the upper side hinge bracket. (**Illustration I**) You need to have slot space available to allow the dome to be moved forward as needed. **If you DO NOT have the slot space required proceed to STEP 8B. If you DO have the required slot space on both sides**, install the outer conical washers & acorn nuts and tighten the upper front hinge brackets (*inner nut first*) at this time also tighten the front spring bracket nuts and proceed to Step 9.

**Step 8B:** On the rare occasion that you don't have slot space in front of the studs, this could be caused by a combination of two things. 1: The dome is somewhat larger in circumference than the bottom of the egg. *Since the metal bands are die cut / punched simultaneously they are very accurate and can be considered as a tape measure. Simply look at the gap at the -*

# Assembly Manual for an XLarge EGG Band

(Page 4)

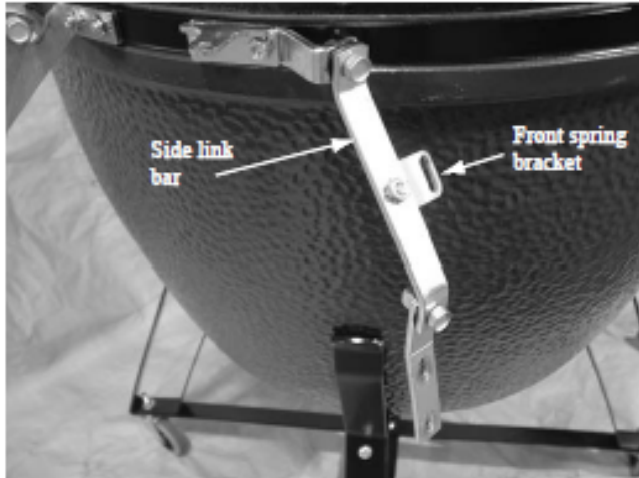
tensioning flanges at the rear of the egg, if the dome band has a larger gap between the tensioning flanges than the bottom band the dome is larger in circumference. 2: The egg dome or the bottom could be out of round. Re-adjusting the bands can usually compensate for these conditions. By raising the upper band or lowering the lower band or lowering the lower rear hinge bracket causes the dome to have to be moved rearward. (For every 1/16" that you move either band the dome will then need to be moved rearward by 1/8"). First remove the upper side hinge brackets from the studs in the upper bands and swing the side link bars down out of the way. If you have room to move the upper band upward further or the lower band downward further please do so accordingly. Completely loosen all 8 of the rear hinge bracket to band attaching nuts and then the band tensioning bolt and re-position the band as needed. Remember don't rotate the band; only slide it up or down as needed. If the bands are at the upper or lower limits then you have the small vertical slot in the lower rear hinge bracket that you can adjust downward. Re tighten all 4 of the lower rear hinge bracket nuts first then the upper 4 nuts. Now return to step 7 and continue from there.

**Step 9:** With the hinge attaching hardware properly tightened, you need to check the bottom to dome gasket seal. You do this by fully opening the dome (read CAUTION below) and placing a dollar bill centered lengthwise across the bottom gasket then close the dome on it. Now slowly pull the dollar bill out and you should feel some resistance, this indicates the gaskets are making good contact. The slightest resistance will provide a good seal especially after the gaskets compress after use. You should perform this test at 4 points front, rear and both sides. When you have a good seal at all four points proceed to step 10.

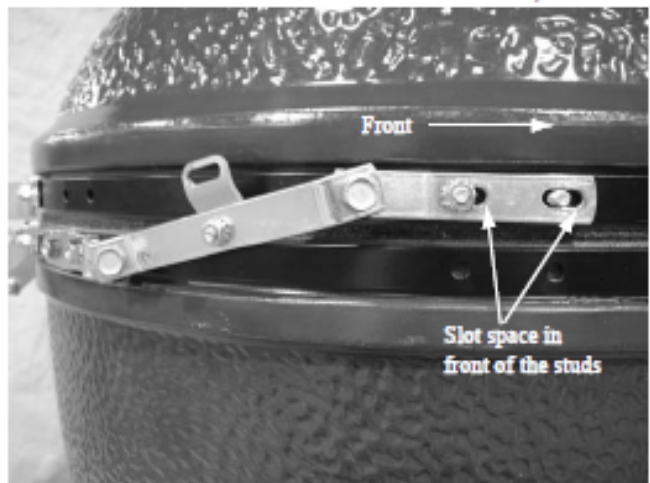
**Caution:** The dome is heavy and difficult to open until the assist springs are installed; it also has a rapid weight transfer when closing that could catch you off guard. We recommend you use both hands until you get comfortable with the opening and closing cycles.

On the rare occasion that the gasket seal test would fail, take note of the area that isn't sealing properly. If the area is at the rear of the egg, inspect the rear hinge assemblies to make sure nothing is binding or that the upper hinge bracket isn't contacting the lower bracket thereby holding the dome up. Open the dome fully and inspect both gasket surfaces for foreign material or irregularities that may prevent the dome from sealing. Perform the seal test again if you have a good seal proceed to step 10. If the problem persists contact your Big Green Egg dealer for assistance.

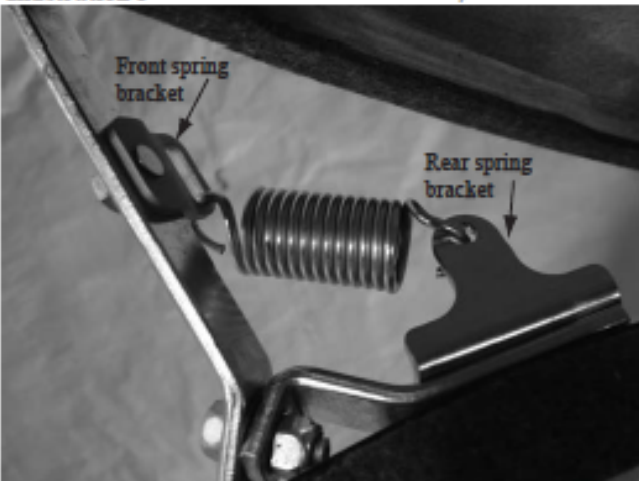
**Illustration H** Left, rear view



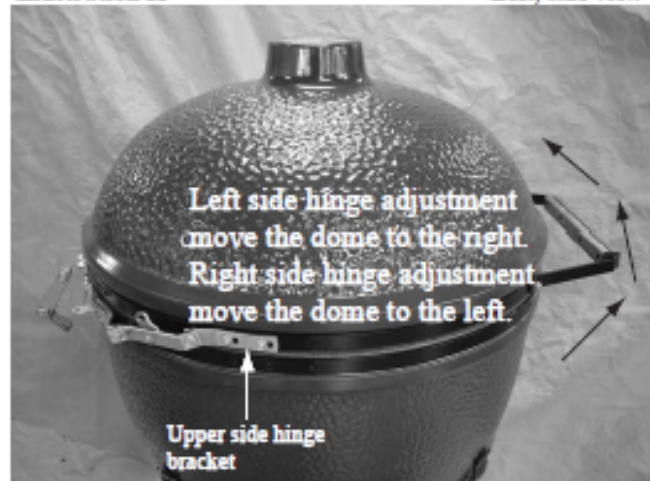
**Illustration I** Left, side view



**Illustration J** Left, rear / front view



**Illustration K** Left, side view





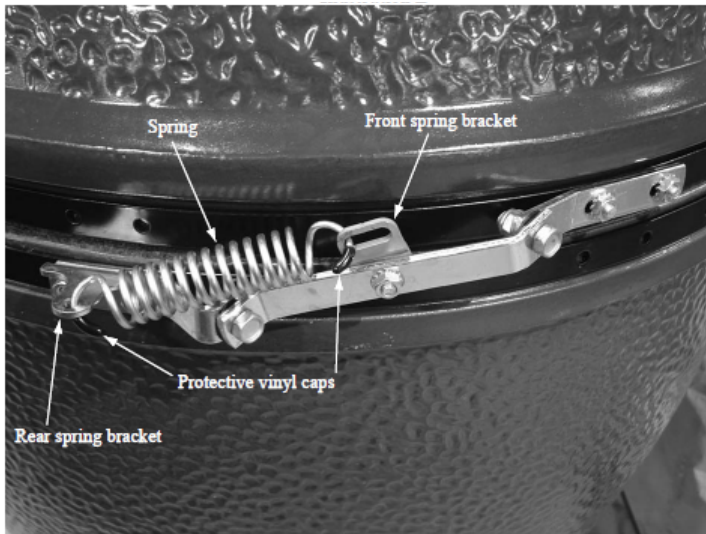
# Assembly Manual for an XLarge EGG Band

(Page 5)

**Step 10:** Fully open the egg dome. Insert one hook end on the spring downward through the round hole in the rear spring bracket, then the opposite hook end downward through the slotted hole in the front spring bracket. The spring should be hanging in place and your assembly should look like (Illustration J). Repeat this for the opposite side of the egg. Now carefully close the dome. Open and close the dome several times to familiarize yourself, this also allows the parts to seat in place. Perform the gasket seal test once again the same as you did earlier.

It's not uncommon for the gasket seal test to fail at the rear of the egg, this is easily remedied. The dome needs to be allowed to travel slightly more forward. Fully open the dome and remove both springs (*never attempt to make this adjustment with the springs installed*). Then carefully close the dome (*Remember it will be heavy without the springs*). Completely loosen both nuts on the upper side hinge bracket on the left side of the egg only. Put a piece of tape or make a pencil mark on the upper side hinge bracket along the back edge of one of the nuts to mark the current position in the slot. If you are using an egg nest block the casters so the nest won't move. Stand to the left of the lift handle at the front of the egg. Grasp the lift handle and gently slide / push the dome to the right side of the egg as you watch the studs in the upper side hinge bracket. The studs should move forward in the slotted hinge bracket as you move the dome. (Illustration K) Move the studs about 1/8" forward in the slots from there original location. Tighten both nuts securely and repeat this process on the right side of the egg. *Remember, you will move the dome to the left when adjusting the right side hinge bracket.* After you complete the right side adjustment, you can open the dome and re-install both springs as you did earlier. When both springs are in place you can open and close the dome several times and then repeat the gasket seal test. If the gaskets are still loose at the rear, *remove the springs* and repeat this process to move the dome further forward in the upper side hinge brackets. Install the black vinyl protective caps onto the ends of the spring hooks and you are done (Illustration L).

Illustration L



Congratulations, you have completed the hinge / band installation. Periodically lubricate the (8) pivot points on the hinge mechanism with light oil 10W or 20W and it will provide you many years of trouble free service. Lubricate between the linkage bars / hinge brackets and between the bolt heads / brackets, and the nuts / brackets. The bolts must be able to rotate freely in the brackets. (*penetrating lubricants such as WD 40 are not recommended, they actually wash away oils and leave very little lubrication film*) Thank you for your purchase; this product was designed & manufactured in the U.S.A. exclusively for Big Green Egg. This hinge / band assembly is protected under U.S. Patent 7,770,576 B2.

**IMPORTANT:** You must check the band bolts and the hinge / band bolts for tightness regularly, especially after each of the first two or three uses. Failure to follow these instructions may cause the dome to slip out and break; this will not be covered under warranty. (NEVER TIGHTEN THE BANDS WHEN THE GRILL IS IN USE)

**⚠ Caution:** Extension springs are a source of energy and should be removed before making any adjustments to your hinge / band assembly or personal injury could occur.

## ⚠ SAFETY WARNINGS

- ⚠ Do not lift or transport the egg assembly by grasping the handle or hinge mechanism.
- ⚠ Do not move the egg over rough or uneven surfaces, or by pulling the handle.
- ⚠ Do not place your hands inside the egg until the lid is completely open.
- ⚠ Periodically lubricate the hinge mechanism to insure proper functioning.
- ⚠ Do not place hands / fingers in or near the hinge mechanism, many pinch points exist.
- ⚠ Do not allow children to play with or operate the egg.
- ⚠ Do not allow untrained persons to operate the egg.

# Assembly Manual for a Large, Medium or Small EGG Band

(Page 1)

## PARTS LIST

### LARGE, MEDIUM & SMALL EGG

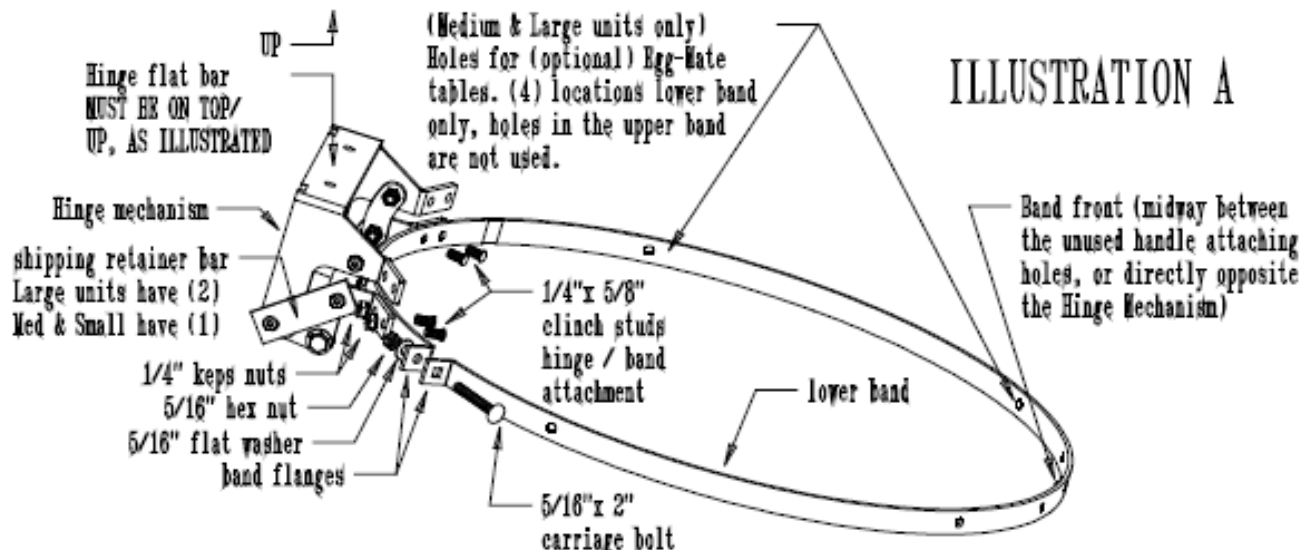
- (2) Bands (1) Handle assembly (1) Hinge mechanism assembly  
(1) Hardware bag: (2) 1/4" x 1/2" clinch studs (8) 1/4" x 5/8" clinch studs (8) 1/4" Keps nuts (2) 5/16" x 2" carriage bolts  
(2) 1/4" Acorn nuts (2) 5/16" flat washers (2) 5/16" hex nuts

**WARNING: THE HINGE MECHANISM IS UNDER SPRING PRESSURE, DO NOT REMOVE THE (WHITE PLASTIC) SHIPPING RETAINER BAR/S UNTIL INSTRUCTED, OR PERSONAL INJURY COULD OCCUR.**

**STEP 1A** Position a band (*both bands are the same*) and the hinge mechanism in relation to each other as in (*illustration A*), insert the (4) 1/4" x 5/8" clinch studs through the inside of the lower band then through the hinge assembly. Install (1) 1/4" Keps nut onto each stud and hand tighten only.

**STEP 1B** If you are installing the optional Egg-Mate tables at this time, you will want to insert the (4) 1/4" x 1/2" clinch studs (*provided with the tables*) into the lower band only (*see step 1 of the Egg-Mate manual*). Tip: install & hand tighten nuts to hold the studs in place during the remainder of the assembly.

**STEP 2** With the Egg bottom positioned in its nest or table, place the hinge / band assy. onto the egg bottom making sure the hinge flat bar is on top; align the band front (*illustration A*) with the front of the egg bottom (*the ceramic bottom has a small hole in the band attaching surface that indicates the front*). Insert (1) 5/16" x 2" carriage bolt through the square hole in the band flange (*illustration A*) then through the round hole in the opposite band flange. Install (1) 5/16" flat washer and (1) 5/16" hex nut and hand tighten only.



**STEP 3** Install the upper band to the hinge mechanism in the same manner that you did the lower band in step 1A. Now install the handle to the front of the upper band (*the 2 holes you need to use are directly opposite the Hinge Mechanism*) by inserting (1) 1/4" x 1/2" clinch stud through each hole on the inside of the upper band and then through the handle assembly install (1) 1/4" Acorn nut onto each stud and hand tighten (*illustration B*).

**STEP 4** Position the dome onto the Egg bottom and inside the upper band taking care to align the front of the dome (*the ceramic dome has a small hole in the band attaching surface that indicates the front*) with the band front (*midway between the handle attaching bolts*) Insert (1) 5/16" x 2" carriage bolt through the square hole in the band flange then through the round hole in the opposite flange. Install (1) 5/16" flat washer and (1) 5/16" hex nut (*hand tighten only*). Check to make sure the dome is centered and seated evenly against the egg bottom. Next, position the hinge / band assembly so the lower band is as low as it will go all the way around on the egg bottom. The upper and lower bands will be properly spaced by the hinge assembly at the rear, but the bands are flexible and you should move the upper band as needed to make the space between the bands equal to the rear on the sides and front also. Next, securely tighten both the upper and lower bands to approximately 125 inch lbs. (*bending of the bolt and the flanges during tightening is normal / recommended, Don't fear, the ceramic will not break*). Make sure the dome is still evenly seated on the Egg bottom and proceed to tighten all (8) Keps nuts that attach the hinge assembly to the bands. At this time, you should also tighten the 1/4" Acorn nuts that attach the handle assembly to the upper band.

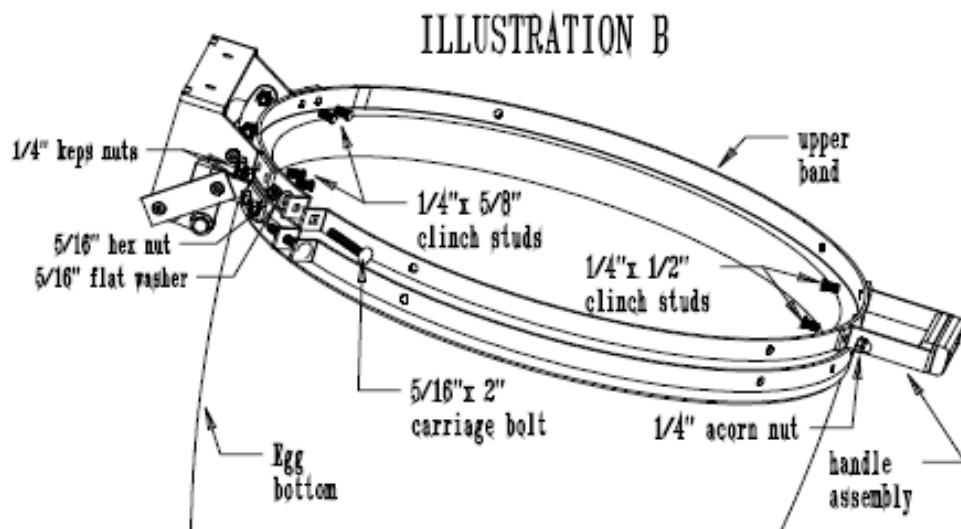
**IMPORTANT: You must check the band carriage bolts and the hinge / band studs for tightness regularly, especially after each of the first two or three uses. Failure to follow these instructions may cause the dome to slip out of the bands and break; this will not be covered under warranty. (NEVER TIGHTEN THE BANDS WHEN THE GRILL IS IN USE)**

OVER →

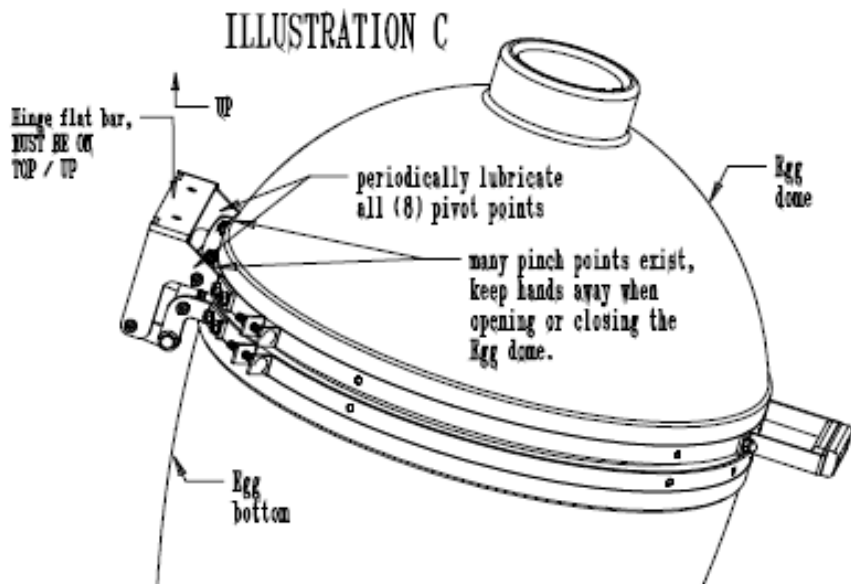


# Assembly Manual for a Large, Medium or Small EGG Band

(Page 2)



**STEP 5** You can now remove the (white plastic) shipping retainer bar/s (Large units have (2) one on each side of the hinge assembly, Medium & small units have (1)) from the side/s of the hinge mechanism (illustration A) by cutting the plastic cable tie/s that hold it in place and then pull or gently pry the bar off the bolt heads. **DO NOT OPEN THE DOME WITHOUT REMOVING THE SHIPPING RETAINER BARS OR DAMAGE COULD OCCUR.** The shipping retainer bars hold the hinge assembly at the neutral / balance point and provide proper band spacing, we recommend that you keep them for future reinstallation in the event you may need to remove or adjust the Spring Assisted Band.



Congratulations, you have completed the hinge / band installation. Periodically lubricate the (8) pivot points (illustration C) on the hinge mechanism and it will provide you many years of trouble free service. Thank you for your purchase; this product was designed & manufactured in the U.S.A. exclusively for Big Green Egg.

**Important: Once again, please keep the band carriage bolts properly tightened as instructed in step 4, or the egg dome could slip out of the bands and fall to the ground. This could result in dome breakage or possible personal injury.**

## SAFETY WARNINGS

- ▲ Do not lift or move the egg assembly by the handle or hinge mechanism.
- ▲ Do not place hands / fingers in the hinge mechanism while operating or moving the egg, pinch points exist.
- ▲ Do not place your hands inside the egg until the dome is completely open and stable.
- ▲ Do not move the egg over rough or uneven surfaces, or by pulling the handle or hinge mechanism.
- ▲ Periodically lubricate the hinge mechanism to insure proper function.
- ▲ Do not allow children to play with or operate the egg.
- ▲ Please notify all persons that may handle / operate the egg about these and all other safety warnings.

# Assembly Manual for a Mini EGG Band

(Page 1)

## Contents:

A = 2 Bands

B = 2 Side hinge bracket assemblies

C = 1 rear hinge bracket assembly

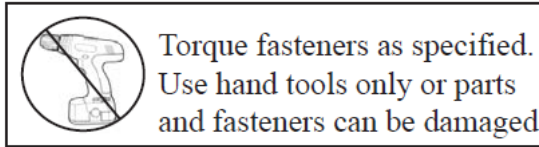
D = 1 Handle assembly

E = 1 Bagged hardware

2 = 1/4" x 1/2" clinch stud 2 = 1/4" acorn nut

2 = 1/4" x 1-1/2" hex head cap screws 2 = 1/4" Keps nuts

4 = 1/4" flat washers 12 = #10 x 1/2" clinch studs 12 = #10 Acorn nuts 12 = #10 conical washers



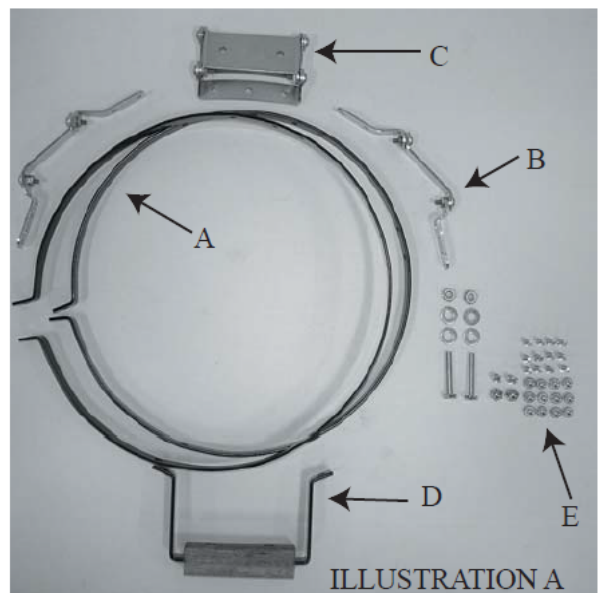
## Tools required

2 = 7/16" wrenches 1 = 3/8" wrench

**Note:** All references to Left & Right in this manual are as viewed from the front (*facing the vent / draft door*) of the egg. The photo illustrations in this manual show silver colored brackets and fasteners, this is for improved visual contrast for illustration purposes. Most of the components included with your unit are black in color.

**Step 1:** Verify the contents list, use (Illustration A) as a reference. (*Several of the fasteners for this product are small & not readily available locally, don't attempt this assembly in an area that will make it difficult to find a dropped item*). Assemble the components onto the bands as in (Illustration B).

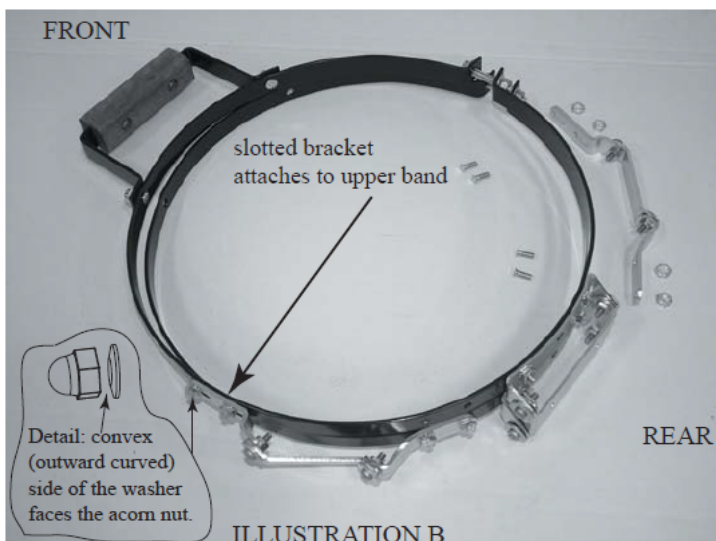
(*Note: Both bands are identical and some holes will not be used. They become upper & lower bands after the fasteners are installed as specified*). Position the bands so the flanges are to the left side. Install the handle assembly (D) to one of the bands (*Make sure BGE branding on the handle cover is not upside down*) with (2) 1/4" x 1/2" clinch studs from the inside of the band outward through the handle, install a 1/4" acorn nut on each stud & tighten / torque to 60 inch lbs. or 5 ft. lbs.



Attach the rear hinge assembly as in (Illustration B) (*The center holes on the rear hinge assembly are not used. Also, it is possible to incorrectly attach the rear hinge assembly upside down, the hinge tabs must be pointing downward (Illustration D) for proper function*). Install #10 x 1/2" clinch studs from inside the bands outward and install a conical washer and a #10 acorn nut onto each stud at all four locations & tighten / torque them to 25 inch lbs. or 2 ft lbs. Attach the side hinge assemblies as in (Illustration B). The brackets with the round holes attach to the lower band closer to the rear and the brackets with the slotted holes attach to the upper band. Use #10 x 1/2" clinch studs, conical washers and acorn nuts at the (8) attaching

holes. Tighten / torque the lower band brackets to 25 inch lbs. or 2 ft. lbs, leave the upper band brackets loose so they can move freely. Place a 1/4" flat washer onto each of the 1/4" x 1-1/2" cap screws. Insert a cap screw from the front to the rear on each of the band tensioning flanges located on the left side of each band. Install a 1/4" flat washer and a hex nut onto each cap screw, run the nut on flush with the end of the cap screw.

**STEP 2:** Place the egg bottom onto a stable work platform. On the band attachment surface of the egg bottom, directly above the lower vent door you will see a locating hole. Place the lower band of the hinge / band assembly onto the egg bottom. Position the lower band so the locating hole in the egg bottom is centered between the unused handle attachment holes in the lower band. (Illustration C)



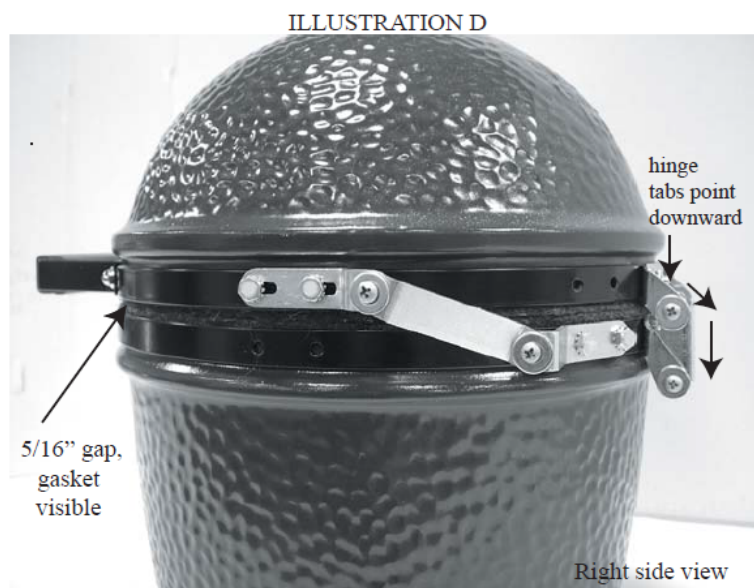
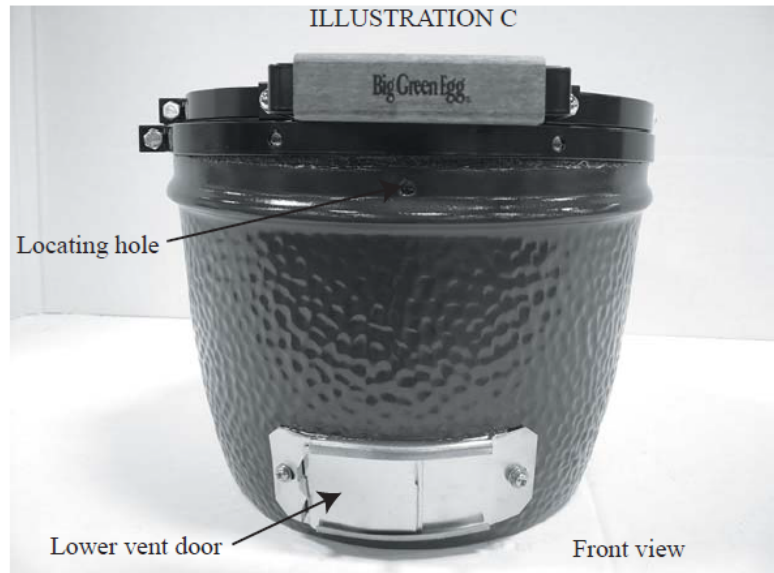


# Assembly Manual for a Mini EGG Band

(Page 2)

**Step 2 Continued:** Hand tighten the lower band tensioning cap screw so the band will only move with moderate force. (Note the Egg top has a locating hole on the band attachment surface just like the bottom has, see illustration C) Place the egg lid inside the upper band and onto the bottom of the Egg. Position the lid so the locating hole is between the handle attaching holes. Hand tighten the upper band tensioning cap screw so the band will only move on the egg with moderate force.

**Step 3:** Center the lid left to right and front to back on the egg bottom. Position the upper & lower bands vertically (slightly loosen the tensioning bolts if needed) so you can see both the bottom & the lid gasket material evenly between the upper & lower bands when viewed from the side. The bands should be evenly spaced about 5/16" between them all the way around the egg (illustration D).



Evenly tighten / torque the 1/4" band tensioning cap screws on both bands to 60 inch lbs. 5 ft. lbs. , they and the band flanges should just start to bend slightly. Make sure the bands are maintaining the 5/16" spacing between them and staying vertically centered on the lid & bottom gasket material as you tighten the bands.

Check the lid to make sure it is still centered over the egg bottom and then proceed to tighten the acorn nuts on the slotted brackets on the upper band. On the slotted upper side bracket, (both sides of the Egg) tighten / torque the #10 acorn nut on the inner slot first (closest to the bend) to 25 inch lbs or 2 ft. lbs. Then tighten the outer nut to the same specification. Your egg should now look like (Illustration D). when viewed from the right side.

With all the fasteners properly tightened, you have completed the installation of your band assembly.

Periodically lubricate the (8) pivot points with light weight oil (not penetrating oils such as WD 40) and it will give you many years of service

Thank you for your purchase, this hinge / band was designed & manufactured in the USA and is protected under U.S. Patent No. 7,770,576

- ⚠ You must check the band tensioning bolts for tightness after the first couple uses and periodically thereafter, failure to do so may cause the lid to fall from the bands.
- ⚠ Do not lift or transport the egg assembly by grasping the handle or hinge mechanism.
- ⚠ Do not place your hands inside the egg until the lid is completely open.
- ⚠ Do not place your hands / fingers in or near the hinge mechanism, many pinch points exist.
- ⚠ Do not allow children to play with or operate the egg.
- ⚠ Do not allow untrained persons to operate the egg.
- ⚠ Failure to follow these and other safety guidelines could result in personal injury & or property damage.