OWNER'S MANUAL

For Models: A10-207 ▪ A10-217

Stainless Steel Combination, Stove & Gas Grill

U.S. PATENTS
4,788,962
5,330,154
5,414,090
D 292,163
Other Patents and
Design Patents Pending

STOP
Before returning this item to the dealer.

Made in the USA

For questions regarding performance, assembly, operation, parts, or returns, contact the experts at MAGMA by calling **(562) 627-0500** 7:00 a.m. - 5:00 p.m. Pacific Time Monday thru Friday or e-mail us at mail@MagmaProducts.com

MAGMA®

Read these instructions carefully before use. Familiarize yourself with the appliance before connecting it to its gas container. Keep these instructions for future reference.

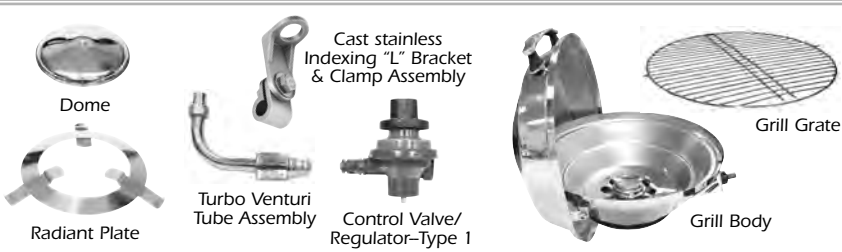
IMPORTANT SAFETY WARNINGS

READ ALL INSTRUCTIONS BEFORE OPERATING.

- USE OUTDOORS ONLY.
- DO NOT USE THIS APPLIANCE INSIDE THE BOAT OR ANY ENCLOSED SPACE.
- GRILLS RADIATE HEAT. CLEARANCE FROM COMBUSTIBLES, 24" SIDES AND BACK. NEVER USE UNDER AWNINGS, PATIO COVERS, ETC.
- USE PROPANE GAS ONLY. FUEL STORAGE SHOULD BE IN COMPLIANCE WITH THE AMERICAN BOAT AND YACHT COUNCIL (ABYC) STANDARDS A-1 (9), MARINE LIQUIFIED PETROLEUM GAS (LPG) SYSTEMS.
- FOR NATURAL GAS APPLICATION CONTACT MAGMA.
- ALWAYS LIGHT GRILL WITH LID OPEN.
- NEVER LEAVE HOT GRILL UNATTENDED.
- DO NOT OVERHEAT GRILL, SEE OPERATING INSTRUCTIONS
- ALWAYS TURN GRILL OFF AFTER USE.
- USE GLOVE OR HOT PAD WHEN HANDLING HOT GRILL.
- NEVER LEAVE GAS CYLINDERS AND REGULATOR CONNECTED WHEN STOWED.
- STORE GAS CYLINDERS IN WELL VENTILATED AREA.
- DO NOT STORE GAS CYLINDERS INDOORS, IN DIRECT SUNLIGHT, BELOW DECKS ON BOATS, OR IN LOCKERS NOT APPROVED FOR BUTANE OR PROPANE STORAGE.
- CAUTION: CHECK FOR GAS LEAKS EACH TIME CYLINDER IS CHANGED.
- NEVER CHECK FOR GAS LEAKS WITH A FLAME!
- DO NOT BLOCK, RESTRICT, OR OTHERWISE OBSTRUCT COMBUSTION OR VENTILATION AIR OPENINGS.
- DO NOT MODIFY THIS APPLIANCE.
- CHECK THAT VALVE SEALING WASHER (A) IS IN PLACE AND IN GOOD CONDITION BEFORE CONNECTING THE GAS CONTAINER.
- INSTALL CANISTERS IN WELL VENTILLATED AREA AND AWAY FROM OPEN FLAME, HEAT SOURCE OR SPARKS. KEEP AWAY FROM OTHER PEOPLE OR FLAMMABLE MATERIALS.

CALIFORNIA PROPOSITION 65 – WARNING – The burning of gas cooking fuel generates some by-products, which are on the list of substances, which are known by the State of California to cause cancer or reproductive harm. California law requires businesses to warn customers of potential exposure to such substances. To minimize exposure to these substances, always operate this unit according to the use and care manual, ensuring you provide good ventilation when cooking with gas.

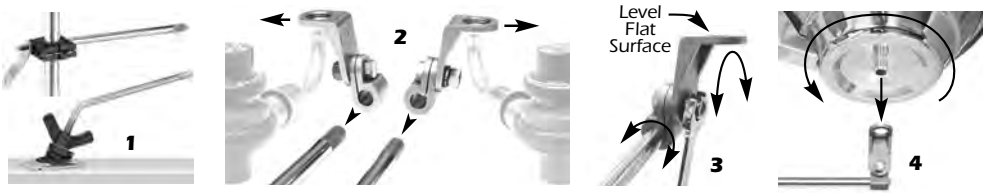
CONTENTS



Each Magma® Gas Grill is individually fire tested before it leaves the factory. For this reason, the burner on your grill may be slightly discolored.

SETTING UP YOUR GRILL

Mounts sold separately. See our website www.MagmaProducts.com for mounting options.

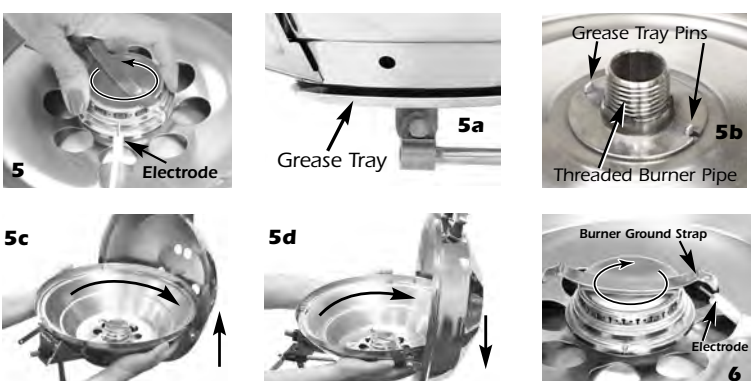


1 Select and install appropriate Magma mount in your desired location. Prior to installing the grill, check that mount does not easily move with a reasonable force applied.

2 Next, decide if gas control valve will be easier to access from the center right side or center left side of grill. This will be based on your placement of the mount **(see picture front cover)**. Now, slide L-Bracket & Clamp on to mount knurled rod so that the threaded flat L-portion of the L-Bracket points in that direction.

3 Adjust threaded flat surface of L-Bracket to level position and tighten firmly with 9/16" or adjustable wrench so that L-Bracket & Clamp cannot be moved. NOTE: Level positioning is critical for even temperatures across the cooking surface.

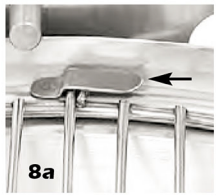
4 Carefully hold the grill body, with the lid closed, and thread on to L-Bracket **VERY TIGHT** so that grill does not unthread easily. Check that grill is tight and level prior to proceeding.



5 With grill body tightly attached to L-Bracket and taking care not to damage electrode, unthread burner **3 full revolutions only. CAUTION: DO NOT UNTHREAD MORE THEN 3 REVOLUTIONS, AS GRILL MAY FALL OVERBOARD.**

- Lift entire grill up to disengage from grease tray positioning pins **(5a & 5b)** and rotate so lid operates freely in desired position **(5a)**.
- Carefully lower back down **(5d)**, making sure pins are re-engaged and rethreaded "burner" back 3 revolutions until tight. If burner does not turn 3 revolutions the pins are not engaged properly.

6 Adjust burner ground strap so it is directly over electrode wire. Check for spark before proceeding.



7 Install radiant plate & dome over burner on fire pan ridge.

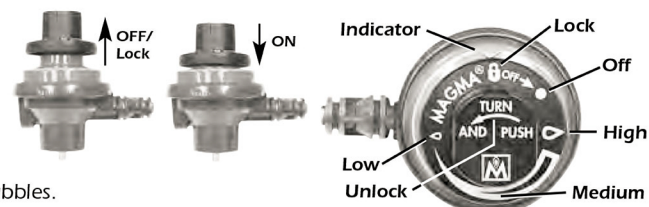
8 Install grill grate by rotating grate so that both grill grate tabs slide under the holding clips **(8a)**, locking grate and all internal components in correct position.

9 Insert the turbo venturi tube into the threaded pipe on the bottom of the grill body and firmly tighten the threaded nut so nut doesn't turn while rotating the turbo venturi tube. Note: turbo venturi tube should still rotate freely. Venturi tube should be stowed with valve in a clean dry environment when not in use. (See "Stowing Tips" page 6) Before each use, prior to inserting venturi tube, check that the threaded pipe is free of spider web obstructions.

CONNECTING FUEL SOURCE

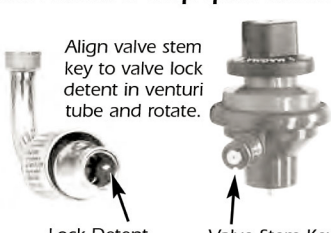
CONTROL VALVE REGULATOR

- Uses standard 1-lb. disposable propane canisters (DOT-39 NRC).
- Prior to installing valve, become familiar with the valve function and graphics on valve knob. Never force the knob. Always turn or push gently.
- Turn control valve to "lock 🔒" and install gas canister being careful not to cross the threads. Check for leaks prior to use, by brushing soapy water solution around threads and orifice hole checking for bubbles.



- Position valve with gas bottle as shown **(A)**. Gently insert valve stem into the turbo venturi tube. Rotate until valve stem key aligns with lock detent allowing valve to fully insert. Rotate gas canister down **(B)**.

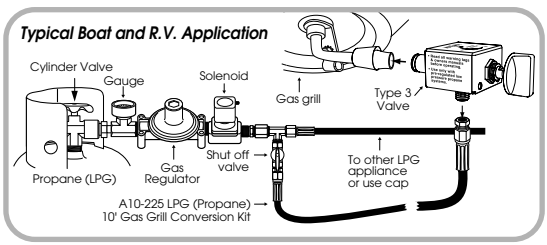
Valve will feel loose and will rotate easily. Even though the valve feels loose, it is designed that way and will not leak. The valve was designed to be loose fitting in order to allow safe, easy installation and removal of the propane canister and so it easily swings without resistance to fit all applications.



USING GRILL WITH ON-BOARD LPG (PROPANE) SYSTEMS

▪ Magma On-Board LPG (Propane) Valves & LPG (Propane) Low Pressure Gas Grill Connection Kit allow Magma Grills to be installed within a boats existing on-board, pre-regulated low pressure LPG (Propane) system.
▪ Use only **Magma Type 3 Low Pressure LPG (Propane) Valves.** See our **Valve Application Guide** at **www. MagmaProducts.com** for correct valve.
▪ In North America use **Magma A10-225 LPG 10' Gas Grill Connection Kit** in conjunction with **Type 3 Valve.** Outside North America check your local dealer for proper hose & fittings.
▪ A primary shutoff valve **(supplied with Gas Grill Connection Kit)** must be used with this control valve at point of connection into your system. This allows shut off of gas supply to hose leading to grill.

Gently insert valve stem into venturi tube upside down until fully inserted & rotate as shown.



IMPORTANT!! ▪ DO NOT CONNECT A HIGH-PRESSURE SUPPLY HOSE FROM A NON-REGULATED TANK DIRECTLY TO GRILL.

Magma's grills are designed for use with small disposable propane canisters or with pre-regulated low-pressure propane and optional low-pressure valves. Running high-pressure propane fuel supply lines on a boat is in violation of American Boat & Yacht Council (ABYC) guidelines and is not considered a safe application. Additionally, impurities found in larger refillable propane tanks may clog the small orifices in the high-pressure control valve/ regulator causing it to lose performance capabilities and eventually fail. Regulating these tanks to 1/2 PSI and using this pre-regulated propane with the correct low-pressure valve will ensure safe, efficient performance of the grill.

OPERATING PROCEDURES

WARNING: Do not overheat grill. Magma grills do not require pre-heating. Stainless Steel loses anti-corrosive characteristics when subjected to extreme heat. Most grilling is done on low temperature with the lid closed. If medium or high heat is required, grill with lid open.

LIGHTING INSTRUCTIONS

▪ Open lid during lighting. ▪ Depress knob & rotate counter-clockwise to the "HIGH" flame position.
▪ Push Piezo Igniter. ▪ Visually confirm ignition. ▪ Turn knob to adjust flame.
▪ If grill does not light, ensure that a burner electrode spark cap is directly above electrode.
▪ If the piezo ignition continues to fail to ignite the gas, see MATCH LIGHTING INSTRUCTIONS.

MATCH LIGHTING INSTRUCTIONS

(Back up system allows use of grill until piezo ignition system is repaired.)
▪ Open lid during lighting.
▪ Place flame up to burner through the match light hole.
▪ Depress valve and turn counter-clockwise to the "HIGH" flame position.
▪ Visually confirm ignition.

TO REDUCE FLARE-UP

- Trim excess fats from meat.
- Use non-oil based marinades.
- Reduce heat.
- Use water spray directly on flare-ups.

To help create your own Magma gourmet experience every time you grill, please check these important critical points prior to lighting your grill.

- Mount is secure and grill does not move.
- Grease tray & fire pan are clean from excess drippings to reduce flare up & ensure even air flow.
- Lid is correctly positioned to operate freely and is in best position for blocking the wind.
- Venturi tube, burner, threaded burner pipe and valve orifice are free of obstructions, such as spider webs.
- Electrode is clean and has a spark.
- Radiant plate & dome are positioned correctly.
- Grill grate is in locked position under holding clips.
- Venturi tube holding nut is tight and doesn't turn when rotating valve position.
- Valve is installed and locked into venturi tube properly.
- Sufficient fuel is available.

Cooking Tips

- The most common mistake when grilling is using too high of a heat setting. Grills become hotter as you cook, so use moderate heat settings when cooking with lid closed.
- Always keep a water spray bottle handy for flare ups and quick cooling if grill overheats.
- Coat the grill grate with vegetable or olive oil to prevent food from sticking.

Stowing Tips

- Always disconnect the fuel canister from the valve prior to stowing.
- Stow the valve and venturi tube in a clean, dry area to protect from corrosion to valve and spider web obstructions in venturi tube.
- Always stow by unthreading the entire grill from the L-Bracket. Do not remove the L-Bracket & Clamp unless repositioning is necessary.
- Always store propane in a sealed propane storage locker that allows leakage to vent overboard or use **Magma A10-210 Propane Storage Tote**. Never stow below decks.

USING THE MARINE KETTLE AS A STOVE

Magma's patented, unique design of the Marine Kettle allows it to be used as a conventional stove. This permits you to fry, saute, boil, wok, etc. ▪ Remove the grill grate. ▪ Remove the radiant dome ▪ Adjust flame to proper cooking temperature.

- For smaller pots and pans, place the cookware directly on the three tongs of the radiant plate.
- For larger pots and pans, including woks, invert the radiant plate and place the cookware directly on the radiant plate.

MAINTENANCE

Complete Disassembly for Cleaning (or access to Piezo Igniter)

1 - Remove entire grill body from L-Bracket of Mount.
2 - Unthread and remove burner, fire pan and grease pan from outer bowl.
3 - To inspect piezo igniter, remove single screw from inside of outer bowl to release igniter box and carefully inspect for corrosion or loose wire connection.
4 - To reassemble, reverse above steps and steps 6 through 9 from page 3 "Setting Up Your Grill".

Stainless Steel, contrary to popular belief, can rust. Most commonly, deposits on the surface of the product will trap moisture. It is this moisture that robs the stainless steel of oxygen. Oxygen is the element that reacts with the stainless steel to form a protective layer of chrome oxide. Robbed of oxygen this reaction does not take place and "crevice corrosion", or "surface rusting", occurs. To minimize this effect, thoroughly clean your grill with soap and water, rinse with fresh water and dry. Avoid using products designed to clean stainless steel as most leave a residue that may discolor when the grill is heated.

Additionally, stainless steel that is exposed to high heat will change in color and texture over time. This "bluing" and later "browning" of the internal components is not a failure of the stainless steel and will not affect the product operation. However, prolonged exposure to extreme high heat will cause the chromium and nickel to "burn out" of the stainless steel. At this point the stainless steel will become more susceptible to corrosion and will start to deteriorate. We recommend that you replace these internal components if they become seriously deteriorated.

We recommend thorough cleaning of all internal parts after each outing. It is important to disassemble the interior components and remove any food residue. A soft "Scothbrite" pad or similar product may be used in this process. For heavier burned-on stains we recommend "Easy-Off Oven & Grill Cleaner" followed by thorough washing with soap and water, rinse with fresh water and dry. AVOID CONTACT OF OVEN CLEANER WITH CONTROL VALVE, IGNITER ELECTRODE & WIRE, AND BOAT SURFACES. CAUTION: DO NOT USE ANY TYPE OF ABRASIVE PAD ON THE EXTERIOR MIRROR FINISH AS IT WILL SCRATCH THE SURFACE. USE ONLY A SOFT COTTON CLOTH. We recommend covering the grill between uses. Grill covers are available at Magma retailers or directly from Magma. See our website, **www.MagmaProducts.com.**

Grill Grates

Clean with brass wire brush while grill is warm. Use Oven & Grill cleaner for burnt-on residue. Wash with soapy water and dry prior to storage.

Ceramic Electrode

Located just beside the burner, it should be kept clean of grease and debris. Burner ground strap must be directly over the electrode for proper operation, be careful not to damage the ceramic insulation or the wire.

Control Valve

All valves are set and tested at our factory. Do not attempt to adjust or disassemble the valve. Call Magma if you suspect it is not adjusted properly. Clean valve with a cloth and remove any debris obstructing the orifice.

Repair/Replacement Parts

All replacement parts are readily available at your Magma Retailers or directly from Magma. For a complete list of replacement parts, see page 8, or visit our website **www.MagmaProducts.com**.

REPLACEMENT PARTS

A10-207
Original Size

A10-217
Party Size

10-153
Cooking Grill

10-453
Cooking Grill

10-665
Radiant Plate
& Dome

10-765
Radiant Plate
& Dome

10-657
Burner

10-657
Burner

10-658
Fire Pan

10-758
Fire Pan

10-651
Complete Handle
Assembly & Fasteners

10-651
Complete Handle
Assembly & Fasteners

10-652
Lid w/hinge &
fasteners (no handle)

10-752
Lid w/hinge &
fasteners (no handle)

10-659
Outer Bowl

10-759
Outer Bowl

10-960
Piezo Igniter w/Wire
Electrode & Screw

10-960
Piezo Igniter w/Wire
Electrode & Screw

10-662
Igniter Case

10-662
Igniter Case

10-161
Grease Tray

10-161
Grease Tray

10-664
"L" Bracket &
Clamp Assembly

10-664
"L" Bracket &
Clamp Assembly

10-160
Turbo Venturi Tube

10-160
Turbo Venturi Tube

10-263
Control Valve
Regulator–Type 1

10-263
Control Valve
Regulator–Type 1

TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Possible Solution
Burner will not light with igniter	Electrode covered with grease or residue	Clean electrode
	Electrode not directly under burner ground strap	Adjust burner so burner ground strap is directly above electrode
	Electrode wire loose, disconnected, or corroded	Clean, adjust & reconnect wire between igniter & electrode, see "Complete Disassembly" (page 7)
	Wire is shorted causing spark from wire before electrode	Replace Igniter, Electrode & Wire See page 8 for part number
	No spark being generated	Replace Igniter, Electrode & Wire See page 8 for part number
Burner will not light even with match	No gas flow	Check fuel level, replace canister or refill cylinder
	Obstructed gas flow	Clean burner, turbo venturi tube, and valve orifice. Remove debris/spider webs
Flare-up	Excessive cooking temperature	Operate only on low when lid is closed Reduce flame level Leave lid open Use water spray to cool
	Grease and/or residue build-up	Clean components
	Excessive fat in meats	Trim fat from cuts of meat before grilling
	Excessive oils in marinades	Use non-oil based marinades
Yellow sooty flame	Obstructed gas flow	Clean burner, turbo venturi tube, and valve orifice. Remove debris/spider webs
Blow-out	Flame too low	Increase flame
	Wind directly on burner	Block wind with lid. See page 3
	Obstructed gas flow	Clean burner, turbo venturi tube, and valve orifice. Remove debris/spider webs
Hot Spots	Grill not level	Level Grill. See page 3
	Grease or residue build-up	Clean components
	Excessive fat in meats	Trim fat from cuts of meat before grilling
	Excessive oil in marinades	Use non-oil based marinades

ACCESSORIES

Magma® Marine Kettle® Grill Cover/Tote Bag

10 Piece Stainless Steel Gourmet "Nesting" Cookware

Stores in less than 1/2 cubic foot

10 Piece Stainless Steel Gourmet "Nesting" Cookware Coated with Teflon® Select Non-Stick Coatings

Magma Magic Grill Restorer
Removes amber color from all Magma Grills - USA only

Fish & Veggie Grill Tray
Stainless Steel Finish or Coated with Teflon® Select Non-Stick Coatings

Professional Grill Utensils
Grill Brush, Tongs & Spatula

100% All 18-8 Stainless Steel Wok
16-1/2" diameter

LPG (Propane) Low Pressure Gas Grill Connection Kit
for on-board LPG (Propane) systems North America Only

Low Pressure Control Valves
for on-board LPG (Propane) or CNG (Natural Gas) gas systems

Propane/Butane Canister Storage Locker/Tote Bag

"Marine Cuisine"® Grill Guide & Cookbook

See our website www.MagmaProducts.com for a complete list of accessories

LIMITED WARRANTY

Magma Products, Inc. guarantees this product to be free from defects in materials or workmanship to the original consumer. This guarantee is for the periods herein specified when used under normal and reasonable conditions, one (I) year from the date of original purchase. This warranty does not include the cost of property damage or any inconvenience due to the failure of the product. Nor does it cover damage due to misuse, abuse, accident, or damage resulting from transportation of the product. Nor does it include damage resulting from the commercial use of this product. Nor does it include, on stainless steel products, "Surface Rust'; Excessive Corrosion due to exposure to salt water; or Discoloration or Corrosion caused by exposure to excessive heat or failure to properly clean and care for the stainless steel surfaces. If the product fails to operate due to a defect in materials or workmanship during the warranty period, the defective part will be repaired or replaced at Magma's option. If you wish to obtain performance under this limited warranty, you should contact Magma's Customer Service Department via telephone at (562) 627-0500, or via e-mail at mail@MagmaProducts.com, or via U.S. Postal Service mail at "Magma Products, Inc., Attention Customer Service, 3940 Pixie Ave. Lakewood, CA, 90712". The defective part, along with proof of purchase, must be returned postage prepaid to Magma Products, Inc. We suggest that you keep your purchase receipt as we may require reasonable proof of purchase.

In the state of California only, if refinishing or replacement of the product is not commercially practicable, the retailer selling the product, or Magma Products, Inc., will refund the purchase price paid for the product, less the amount directly attributable to use by the original consumer prior to the discovery of the nonconformity. In addition, in the state of California only, you may take the product to the retail establishment from which it was purchased or to any retail establishment selling this product in order to obtain performance under this warranty. All implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the express warranty periods specified herein for the parts described herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Neither Magma dealers, nor the retail establishment selling this product has any authority to make any warranties or to promise remedies in addition to or inconsistent with those stated above. Magma's maximum liability shall not exceed the purchase price of the product paid by the original consumer. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation orexclusions may not apply to you. The warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Marine Kettle 2 is a trademark of Magma Products, Inc.
Patent pending.

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