IMPORTANT NOTICE
BEFORE YOU PROCEED, PLEASE READ THIS BOOKLET FROM COVER TO COVER.
FAILURE TO FOLLOW INSTRUCTIONS MAY:

- VOID YOUR WARRANTY
- CAUSE PROPERTY DAMAGE
- CAUSE INJURY

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## Specifications

### COOKER CAPACITY
- Nominal gas flow rate: 150 grams/hour
- Capacity: (Qn: maximum) 2.1kW (7,172 Btu / hour)

### FUEL
- I3B ISO Butane at Vapour Pressure in disposable cartridges containing 7.8 oz (220 grams) of fuel

### FUEL CARTRIDGE TYPE
- Only **KENYON** brand butane fuel cartridges type KBF-2 should be used in the KISS Stove. It may be hazardous to attempt to fit other types of gas cartridges.

### APPLIANCE DIMENSIONS
- Width: 14 5/8” (370mm)
- Length: 13 ½” (346mm)
- Depth: 5 ¾” (146mm)
- Depth below counter surface: 4 ¾” (121mm)

### WEIGHT
- 14.5 lbs. (6.6 kg)
Introduction

You are now the owner of the most innovative cooking appliance in the marine industry. Your new KENYON KISS Cook Top brings new standards of convenience and efficiency to your galley and your boating experience. Our standards for quality assurance are the highest in the industry. Over 70 years of experience in building marine cooking appliances assures that you will receive exactly what you paid for: years of trouble-free, safe and dependable performance.

FEATURES * OF YOUR NEW KISS COOK TOP
(See Fig. 1)

Convenience

✓ Clean, modern butane gas cooking (no alcohol or other liquid fuels, no wicks, no pumping, no soot, no AC or DC power.)
✓ Automatic lighting (piezo spark igniter)
✓ Instant flame response from simmer to boil
✓ Simple, positive, butane fuel canister loading and extraction.
✓ Long cooking time – from 2 to 4 hours from a single 8 oz. butane canister
✓ Built-in adjustable pot holders
✓ Snap-out grate for easy cleanup
✓ Brushed stainless steel construction for durability and good looks
✓ Tempered glass lid hides stove when not in use, provides extra working space.

* KENYON KISS is protected under U.S. and Foreign patents pending.

Safety

Use this appliance only in a well-ventilated area.

✓ Outside-vented, built-in “safety shell” contains butane canister, provides safe venting if butane gas canister leaks in service
✓ Automatic flame shut-off if glass lid is accidentally closed on lit burner.
✓ Automatic fuel shut-off if flame is inadvertently extinguished. (KISS CE models only)
✓ Interlocks prevent ignition if fuel canister is not correctly inserted.
✓ Interlocks prevent closing gas compartment if safety shell end cap is in “open” position.
✓ Two-motion “push-to-turn” gas knob provides extra safety for children and against accidental ignition.
✓ Interlock stops gas flow if fuel canister is overheated, resets when door is opened
✓ KISS meets and/or exceeds all relevant marine safety standards.

UNPACKING

Handle the Cook Top carefully. Do NOT remove the protective corrugated band – it is there to prevent the glass lid and Cook Top assembly from separating from the underpan until you are ready to mount them!

Inspect Contents of Carton

Your new KISS is shipped with:
• Mounting screws (4)
• Template for counter top cut-out

Please contact the factory if any of these items are missing. If any shipping damage is observed, NOW is the time to contact your dealer.

Tools Needed for Installation

• Power Drill
• 1/2” Drill (13mm), center drill, 5/8” (16mm) hole saw
• Jigsaw (or router with 1/2” (13mm) diameter bits)
• Philips screw driver
• Flat blade screw driver

Installer-supplied Materials for Installation

• Vent hose, 5/8” (16mm) ID reinforced clear PVC, length as necessary.
• Hose clamps (2), “mini” style, stainless steel
• Vent fitting: Perko 506DPCMR or similar
• Assorted nylon wire ties and/or clamps as needed to secure vent hose against chafe
**Fig. 1 - KISS Operating Controls**

(1) **Grate**
- "Pinch" these 2 fingers to remove grate for cleaning

(2) **Tempered Glass Lid**
- Hinges down after Lidstay is released

(3) **Lidstay**

(4) **Control Knob**
- Turn CW to open gas compartment door
- Push & turn CCW to ignite burner
- Turn back CW to reduce flame height

(5) **Potholders Deployed**
- a) Loosen knurled knobs and slide laterally to adjust to pot size.
- b) Wait until cool before attempting to readjust or stow!

(6) **To Close Glass Lid:**
- Wait until Lidstay is cool
- Press Lidstay firmly here to disengage from top pan

(7) **Potholders Stowed**

(8) **Door, Gas Compartment**

(9) **KISS with Gas Compartment**
- Door open, ready to load fuel canister

(10) **End Cap**
- Remove by turning CCW

(11) **Butane Gas Canister**
Installation

MOUNTING THE KISS COOK TOP

CAUTION!
Do not cut the opening in your countertop until you ensure that there will be adequate horizontal and vertical clearances from the Cook Top to the nearest flammable materials- fabric, plastic, wood- (except the countertop itself).

Locate the Cook Top Away from Flammable Materials

Before you cut the countertop:

Make certain the Cook Top is far enough away from flammable materials!

Minimum distances are:

HORIZONTAL: 16” (40cm)

VERTICAL: 39” (1m)

Providing Adequate Combustion Air (See Fig.’s 2 & 3)
Most of the air for the flame comes from under the burner. Blocking or restricting this airflow will cause incomplete combustion and may create dangerous levels of carbon monoxide.

You must not install your Cook Top in a closed “box.”
After the Cook Top is mounted, there must be at least 8 square inches (52 square cm) of free air – supply opening in whatever woodwork or cabinetry is surrounding the Cook Top. If not, cut at least one opening 2” x 4” (50mm x 100mm) or three 2” (50mm) diameter holes, etc.) More and/or larger openings are even better to ensure against possible future blockage. (See Fig. 2)

Cutting the Counter Opening
Use the full-sized TEMPLATE supplied with the cook top to locate and mark the cutout. Carefully, mark and drill the 4 cutout corners with a 1/2” drill (13mm). Use a jigsaw or fine-toothed hand saw to connect them (or a router with 1/2” bit (13mm)).

The KISS Cook Top can be recessed in the counter so that the top of the closed glass lid is flush with the countertop surface. Before starting installation, ensure that there will be adequate clearance for the glass lid to hinge up without interference from the countertop at the rear edge.

Mounting the Subpan (See Fig. 3)
Carefully cut the corrugated cardboard security band and separate the galvanized steel underpan from the Cook Top. Set the Cook Top aside on a clean surface.

CAUTION!
GLASS LID BREAKAGE CAN CAUSE INJURY

DAMAGE TO GAS TUBES OR CONNECTIONS CAN CAUSE GAS LEAKS

BE CAREFUL NOT TO DAMAGE OR BEND ANY OF THE COMPONENTS OF THE COOK TOP!

Trial-fit the BOTTOM PAN into the cutout locating the “vee” opening at the rear (the vent hose will pass through the opening). Clean the counter to remove all traces of oil, dirt or grease. Remove the protective strips from the foam adhesive tape on both flanges of the underpan; press the flanges down firmly. Do not add any screws or other fastenings – they will just create “dimples” in the stove deck.

DO NOT mount the Cook Top in the subpan at this time.

European customers should contact the authorized governing body in their country.

4
If Cook Top will be "boxed in" by existing structures:

- Cut 2" x 4" (50mm x 100mm) opening for combustion air anywhere in the surrounding enclosure
- Cut 2" (50 mm) diameter hole for Vent Hose where shown

If Cook Top will be “boxed in” you must provide at least 8 square inches of opening for combustion air

Hole for Vent Hose at least 2" diameter

Bottom Pan

Vent Hose Route
INSTALLING THE VENTING SYSTEM
(See Fig.’s 4, 5, 6)

Introduction

Your KISS Cook Top is equipped with a unique outside venting provision. This vent system must be correctly installed and connected. Otherwise, you will not get the full safety benefit from this product. Therefore, please read this section carefully and decide which venting arrangement best suits your boat.

The KISS Cook Top is vented to ensure that any possible gas leakage from a defective gas canister does not cause a release of gas at the stove itself, but is vented to a location outside where it can harmlessly dissipate in the open air.

NOTE: KISS exceeds the requirements of ABYC Standard A-30 which are based on the finding that the contents of an 8 oz. butane canister will generally not, if released into the hull interior, create a flammable or explosive condition.

VENTING BASICS

A. Keep water out of the Cook Top by:

1. Choosing the best vent exit location:
   The venting hose must terminate in a location that will prevent water from entering the hose and getting into the KISS stove under normal conditions

2. Installing the Check Valve(s)
   (Supplied with all KISS Cook Tops beginning 2/98).
   This device provides an additional defense against water entering the CookTop.

   The vent layouts shown in this manual are designed to minimize the chance of water entry if the check valve should fail. Note that two (2) check valves are needed for side-exit sailboat installations.

B. Vent Hose Routing:

Unlike drain hoses for large propane lockers (ref. ABYC Standard A-1), the KISS vent hose can run uphill, downhill, have pockets, bends and dips.

Therefore, the venting hose can terminate at any location external to the hull’s interior spaces, where it will be protected from entry of water, whether from waves, spray, rain or washdown. It can be inboard or outboard of coamings; in the cockpit or outside of it.

Select the most applicable layout from the three versions shown – and follow it!

C. Install it Right the First Time!

• Use 5/8” ID (16mm) reinforced vinyl hose. Insert the check valve in the hose. Note the “FLOW” direction arrow, it should point AWAY from the cook top.

• Use the correctly sized stainless “mini” hose clamps.

• Use a PERKO 506DPCHR vent fitting at the outlet end. Maximum hose length: 30 feet (9 meters)

D. Best Locations for Vent Outlet Fitting (POWER OR SAIL):

1. A cockpit coaming, locker or cubby
2. Any similar deck or cockpit structure
3. Above the cockpit well or floor

E. Acceptable Location

1. Through the side of the hull, at least 1-1/2 feet above the waterline. (1/2 meter)

Note that for sailboats, two (2) Check Valves in tandem are required – (see Fig.’s 5 and 6)

Whichever compartment you select, it should be vented, drained or scuppered to the “outdoors,” ie to the cockpit, the weatherdeck or overboard. This drain does not have to lead outboard of the cockpit area, rails or coamings. The size of the drain is not critical so long as its cross sectional area is at least equal to that of the venting hose itself.

F. A few common sense rules:

• DO NOT select a location in which vigorous washdown water from a pressurized hose can cause water to enter the vent hose.

• DO NOT run the venting hose near to or in contact with local heat sources or surfaces that can cause hose failure.

• If the hose enters laterally through a vertical panel so that the hose end fitting will be horizontal, use a stock fuel tank vent fitting, such as the PERKO 506DPCHR which has a built-in “clamshell” hood. Orient the fitting with its clamshell opening facing down.

• If the hose must enter from the bottom, it can be bent 180 degrees to form a loop or a return bend of 5/8” (16mm) copper or stainless steel tubing can be used.

• If the hose enters vertically from the “roof” of the space, no end fitting is necessary.

• Finish the installation by securing the venting hose from chafe and vibration with suitable clamps or ties.
Due to the many variations in boat layout hull design and modes of use, it is not possible for KENYON to anticipate every way in which water might enter the Cook Top. Therefore, it is the owner's and/or installer's responsibility to provide a venting system that positively prevents water entry into the Cook Top.

▶ Damage to the KISS Cook Top from water entry and consequential damages are not covered under the product warranty.

G. Step-by-Step Vent System Installation:

1. Install the vent fitting in the selected compartment or through the hull as directed. Use appropriate watertight sealant for thru-hull installations.

2. Connect vent hose using correctly sized stainless steel hose clamps.

Before cutting the vent hose to final length, be sure to allow enough slack so you can feed it up through the “vee” opening in the subpan and attach it to the KISS vent pipe.

3. Connect vent hose and check valve to KISS vent pipe, tighten hose clamps securely.

4. Confirm check valve flow direction: RED (inlet) end closest to Cook Top.

5. Carefully, tilt and insert the Cook Top to the Installed position in the subpan while feeding the vent hose and check valve down through the vee opening.

6. Ensure that the lidstay rod and wire cable do not hang up on the sheetmetal divider of the subpan.

7. Inspect the position: Cook Top should be “squared off,” not skewed or misaligned with galley counter edges.

8. Inspect and operate the lid mechanism before fastening Cook Top to counter. While holding the Cook Top firmly in place, raise the glass lid until it latches. If the sheetmetal divider is interfering with the lidstay, adjust the Cook Top position slightly until you get smooth operation.

9. Mark for the 4 mounting holes to be drilled into the countertop, using the four countersunk holes in the Cook Top deck as guides.

10. Drill four .116” (3mm) holes for the #6 Type-B self-tapping screws (supplied with your Cook Top). Insert screws.

11. Tighten screws snugly, but DO NOT OVERTIGHTEN. This will deform the Cook Top.

**WARNING**

COMPLETELY REVIEW AND UNDERSTAND THE OPERATING INSTRUCTIONS THAT FOLLOW BEFORE OPERATING THIS APPLIANCE

FAILURE TO OPERATE THIS APPLIANCE PROPERLY MAY RESULT IN FIRE, INJURY OR DEATH
WARNING
GAS LEAKS, UNCONTROLLABLE FLAME

FAILURE TO INSTALL CHECK VALVE AS SHOWN MAY CAUSE WATER DAMAGE TO COOK TOP RESULTING IN GAS LEAKS AND UNCONTROLLED FLAME

THIS VENTING METHOD DOES NOT CONFLICT WITH ANY ABYC STANDARD.
CALL KENYON (860) 664 4906 FOR COPY OF RULING

KENYON International, Inc. © 2005
**OPTIONAL VENT ARRANGEMENT:**

USE Part # B93089
DUAL CHECK VALVE KIT

INCLUDES CHECK VALVE FOR A TANDEM INSTALLATION WITH FACTORY INSTALLED CHECK VALVE. THIS IS RECOMMENDED FOR SAILBOAT THROUGH HULL INSTALLATIONS.

**CHECK VALVE**

- NOTE “FLOW” LABEL (INLET IS RED)
- FACTORY INSTALLED
- OUTLET REQUIRES 5/8” ID HOSE
- KENYON # B93088 FOR REPLACEMENT ASSY.

**WARNING**

GAS LEAKS, UNCONTROLLABLE FLAME

FAILURE TO INSTALL CHECK VALVE(S) AS SHOWN MAY CAUSE WATER DAMAGE TO COOK TOP RESULTING IN GAS LEAKS AND UNCONTROLLABLE FLAME

VENT HOSE runs aft and up into cubby, winch base, or other compartment in the cockpit area, terminates with a PERKO 506PDCHR or similar fuel tank vent fitting. Compartment may vent or drain inboard or outboard.

**THIS VENTING METHOD DOES NOT CONFLICT WITH ANY ABYC STANDARD.**

CALL KENYON (860) 664-4906 for copy of ruling

---

Mount bottom pan into counter cutout first, using foam tape only - no screws.

Feed hose through “vee” opening in bottom pan.
**CHECK VALVE**

- **NOTE “FLOW” LABEL (INLET IS RED)**
- **FACTORY INSTALLED**
- **KENYON # B93088 FOR REPLACEMENT ASSY.**
- **OUTLET REQUIRES 5/8” ID HOSE**

---

**Fig. 6 – “Cockpit” KISS Vent Layout for Sailboats**

**“Thru-Hull” KISS Vent Layout for Sailboats**

---

- **WARNING**
  - GAS LEAKS, UNCONTROLLABLE FLAME
  - FAILURE TO INSTALL CHECK VALVE(S) AS SHOWN MAY CAUSE WATER DAMAGE TO COOK TOP RESULTING IN GAS LEAKS AND UNCONTROLLABLE FLAME

---

- **THIS VENTING METHOD DOES NOT CONFLICT WITH ANY ABYC STANDARD. CALL KENYON**
  - (860) 664-4906 for copy of ruling

---

- **OPTIONAL VENT ARRANGEMENT:**
  - USE Part # B93089
  - DUAL CHECK VALVE KIT
  - INCLUDES CHECK VALVE FOR AN INSTALLATION INLINE WITH FACTORY INSTALLED CHECK VALVE. THIS IS RECOMMENDED FOR SAILBOAT THROUGH HULL INSTALLATIONS

---

- **Suggested Vent PERKO 506DPCHR (or similar)**
- **passes through aft wall of cabin trunk; vents into cockpit at least 3” (76mm) above cockpit**

---

- **Mount bottom pan into counter cutout first, using foam tape only**
- **Feed hose through “vee” opening**

---

- **Bottom pan installed in countertop**
- **3/8” (10mm) Diameter Vent Pipe**

---

- **≥3” (76mm)**
- **COCKPIT SOLE**
- **GALLEY SOLE**

---

- **10 DEGREE SLOPE TO DRAIN**
- **Not included in Kit**

---

- **Optional Venting Method:**
  - **Use Part # B93089**
  - **Dual Check Valve Kit**
  - **Includes Check Valve for an Installation Inline with Factory Installed Check Valve. This is Recommended for Sailboat Through Hull Installations**
Operation: BUTANE GAS MODE

Before using your KISS Cook Top, be sure to provide adequate ventilation!

WARNING
OPEN FLAME COOKING APPLIANCES CONSUME OXYGEN. THIS CAN CAUSE ASPHYXIATION OR DEATH.
OPEN FLAME COOKING APPLIANCES PRODUCE CARBON MONOXIDE. CARBON MONOXIDE IS COLORLESS AND ODORLESS.

TO PREVENT INJURY:
MAINTAIN OPEN VENTILATION. DO NOT USE THIS APPLIANCE FOR COMFORT HEATING. INSTALL AND OPERATE THIS APPLIANCE IN CONFORMANCE WITH THE MANUFACTURER’S INSTRUCTIONS.

The Correct Butane Fuel Canister:
Description: (See Fig. 7)

Operating Controls & Features
Description: (See Fig. 1)

CAUTION
GLASS LID MAY SHATTER IF FORCED SHUT WITHOUT releASING LIDSTAY.
GLASS LID MAY SHATTER IF CLOSED ON A Lit BURNER.
GLASS LID IS NOT A COOKING SURFACE.

Pots & Pans
Your KISS Cook Top is a very compact appliance, designed to fit into small galleys with limited counter space. Therefore, you cannot use pots or pans larger than 10” (254 mm) diameter. 8” (200mm) pans are strongly recommended. Larger pans will overhang the counter on the left side and may scorch or discolor decorative laminates or simulated granite finishes. A new set of 8” (200mm) diameter pots and fry pans will be a good investment.

Loading a Butane Fuel Canister and igniting the Burner

- **Remove** the end cap by rotating counter-clockwise (CCW) as shown by the ← OPEN marking.
- **Insert** the fuel canister and rotate it until you feel the canister notch engage the guide key inside the safety shell. (The canister will not go all the way in unless you do this.)
- **Close** the end cap by rotating it clockwise (CW) as shown by the CLOSE → marking until the finger tab is vertical. The wide end of the finger tab should now be ↑ UP. If not, remove and reverse the end cap. (The door will not latch closed unless you do this correctly.)
- **Close** the door by pushing it down until it latches
- **Ignite** the burner by pushing the gas knob down then turning it clockwise (CCW) to the “lightning flash” icon. (CE models: push FFD button simultaneously, hold for 5 seconds after ignition). If several more attempts fail, STOP, read the “Troubleshooting” section now.
- **Adjust** flame height by rotating the gas knob CW.
- **Place** the pot or pan on the burner after lighting (see label on glass lid)

Removing the Butane Fuel Canister

- **Open** the gas compartment door as before and remove the end cap.
- **Extract** the gas canister, using a fingernail if necessary to disengage it from the gas connector inside the safety shell. Replace the end cap (or the door will not latch).

Helpful Hint #1: To make your fuel canisters easier to remove, apply an occasional drop of SAE20 or thinner oil to the pinvalve at the end of the canister. Do not use any other type of oil.

Helpful Hint #2: To extend the life of the end cap gasket, wipe the “groove” with an occasional light film of SAE 20 or thinner oil.

Using the Adjustable Pot Holders

- **To deploy**: Loosen the two knurled nuts and swing the pot holders down to the horizontal. Slide to fit pot snugly, tighten knurled nuts securely.
- **To stow**: wait until cool, reverse above. Carefully, align the pot holders with their respective notches in the black hinge before swinging up – DO NOT FORCE!

CAUTION
POT HOLDERS AND LIDSTAY GET EXTREMELY HOT DURING USE.
ALLOW TO COOL TO THE TOUCH BEFORE READJUSTING OR STOWING POT HOLDERS OR CLOSING GLASS LID.
**Operation**

**Securing the KISS Cook Top after Use**

The butane canister should be removed from the cooktop between uses. Store the canister in a cool, dry and well ventilated location away from possible sources of heat and ignition.

Never leave any butane canisters on board when laying the craft up for extended periods of time. Remove them from the vessel, and store in a safe location.

**Closing the Glass Lid**

- The lidstay will get extremely hot during use. Wait until it is cool before touching it!

**CAUTION**

GLASS LID MAY SHATTER IF FORCED SHUT WITHOUT FIRST RELEASING LIDSTAY.

GLASS LID MAY SHATTER IF CLOSED ON A LIT BURNER.

GLASS LID IS NOT A COOKING SURFACE.

**CAUTION**

POT HOLDERS AND LIDSTAY GET EXTREMELY HOT DURING USE.

ALLOW TO COOL TO THE TOUCH BEFORE READJUSTING OR STOWING POT HOLDERS OR CLOSING GLASS LID.

**Routine Inspection/Cleaning**

Please refer to *Troubleshooting* Section page 16

**Gas Leaks**

**Every time** the Cook Top is used, the operator should confirm that no gas leaks are present.

**The “Sniff” Test**

If you SMELL gas – STOP! There is a gas leak! Turn the control knob off immediately. Extinguish any other open flame or sources of ignition. Ventilate and evacuate the area. Do not re-enter until the smell of gas is gone. Do not re-light the burner until the cause is found and corrected.

**The “Hiss” Test**

If you HEAR a “hiss” – STOP! There is a gas leak! (Follow the procedure described above)

It is possible for a small momentary gas leak to occur inside the safety shell during the loading or removing of the butane fuel canister. This is no cause for concern unless it is continuous. To confirm that it is only momentary, try this simple test.

1. Extinguish all possible ignition sources.
2. Push the pre-aligned canister firmly into the safety shell with the end cap removed. If the leak persists, the fuel canister pin valve may be defective. Try a different fuel canister. Discard the defective fuel canister in a safe manner.

If the leak persists, **DO NOT** use the Cook Top.

Contact KENYON Customer Service.
Maintenance

USER MAINTENANCE

To Remove and Replace the Grate
To remove the grate, wait until cool, squeeze and release the two fingers adjacent to the opening in the ring. To replace, align the two protecting fingers with the two holes in the burner bowl, squeeze and release.

To Clean Burner Bowl and/or Deck
Remove grate and use any brand of metal cleaner or polish intended for stainless steel. Be careful not to damage or bend the spark igniter electrode (see Troubleshooting section if this happens).

To Clean Up After a Major Boil-over
If a great amount of liquid or other material has overflowed the burner bowl and run down into the interior of the Cook Top, it will be caught by a secondary drip bowl inside. You can access and clean out this bowl as follows:

• Remove the butane fuel canister from the appliance.
• Remove the four (4) mounting screws.
• Carefully lift the Cook Top up and towards you, watching to ensure that the vent hose is coming along with it. If there is resistance, STOP. The vent hose may be clamped or secured to some structure under the stove. Investigate, free the hose, and continue.*
• Clean out the drip bowl.
• Reverse the above, being careful not to damage any of the small gas tubes or catch the lidstay or lid safety interlock cable on the sheetmetal divider.
• Confirm that the glass lid opens and closes smoothly.
• Replace the (4) screws snugly, but not tight – or you will distort the stainless steel deck.

* Note: If the vent hose was originally installed with no slack, you may have to disconnect the hose from its vent fitting at the far end. If you do this, you must reconnect it after the cleanup is completed!

Servicing the Spark Ignition System
This system consists of a piezo element actuated by the gas control knob, an electrode at the burner, and a connecting wire cable. This is a very simple and reliable system. Failure to ignite the burner after two or three attempts is probably due to changes in the electrode gap caused by over-energetic cleaning of the burner bowl. (See Troubleshooting section) Remember: if the built-in ignition system refuses to operate, you can always light the burner with a match or barbecue lighter until service can be arranged.

Servicing the Safety Shell and End Cap
• Door and safety shell: If this assembly does not rise up smoothly when the gas knob is rotated to the “door open” icon or does not open at all, STOP. Do not force the door. Contact Customer Service or see Troubleshooting.
• End Cap (See Fig. 8): Inspect the gasket seal several times a season. If it is damaged, frayed or peeling call KENYON Customer Service for a replacement.

Inspecting the Venting System
Confirm that the vent hose, vent fitting and check valve are intact and not damaged. Do this annually or following any major accident, sinking, immersion or other damage to vessel.

Confirming Glass Lid Safety Interlock Function
Your KISS Cook Top has a special feature that automatically shuts off gas to the burner if a careless operator closes the lid on a lit burner. You should occasionally check to confirm this interlock is operational as follows:

• REMOVE the fuel canister from the stove, replace gas compartment end cap, close gas compartment door.
• Rotate the gas control knob counter-clockwise to the high flame position.
• Release the lidstay, slowly lower the lid to fully closed. The gas knob should rotate itself clockwise back almost to the gas door open icon. The knob may or may not pop up when it gets to this position.

If the interlock is not working as described, Contact KENYON Customer Service.

FACTORY ONLY MAINTENANCE

All problems and procedures not specified above must be referred to our factory for diagnosis and repair.
WARNING
GAS LEAKS, FIRE, EXPLOSION, SEVERE BURNS
FAILURE OF SOFT SEALING GASKET PLUS
POSSIBLE GAS LEAKAGE FROM BUTANE
CANISTER MAY RELEASE FLAMMABLE GAS
DO NOT USE COOK TOP IF END CAP SEALING GASKET
IS TORN OR DAMAGED

Call Customer Service to order new end cap with sealing
gasket should yours become damaged.

Helpful Hint #1: To make your fuel canisters easier to
remove, apply an occasional drop of SAE 20 or thinner oil to
the pin valve at the end of the canister. Do not use any other
type of oil.

Helpful Hint #2: To extend the life of the end cap gasket,
wipe the "groove" with an occasional light film of SAE 20 or
thinner oil.
Burner Head Orifices

Keep the burner head orifices clear and clean. You can use an old toothbrush to clean them. If a severe boil-over has occurred and the gas openings are clogged, you can remove the burner head by first removing the center screw. Clean thoroughly and reassemble.

Ignitor Electrode

Ignitor should be cleaned occasionally to remove dirt and ensure fast ignition. The point can be kept sharp with a small file. The gap between electrode and burner head should be maintained at 2 mm (3/32”).
This is a basic guide for troubleshooting the **KISS** Cook Top. It covers diagnosis and parts replacement for simple problems and/or adjustments that can be performed by the average mechanically-competent owner.

**All problems not specifically described as owner-serviceable are potentially hazardous. They must be referred to our factory or to an authorized KENYON Servicing Dealer.**

*ITEMS:* If the owner-authorized corrective action does not fix the problem, no further owner action is permitted. Contact KENYON Customer Service or return **KISS** to factory.

**FACTORY ONLY MAINTENANCE**

With the exception of the items and procedures in the troubleshooting section, there are no user-serviceable components on the **KISS** Cook Top. Please contact KENYON Customer Service if your appliance is not functioning as described in this manual.

**Obtaining User Serviceable Spare Parts** (See Fig. 9)

Please call Customer Service for current spare part price information. (860) 664-4906.

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**KISS® Cook Top Troubleshooting Guide**

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<thead>
<tr>
<th>SYMPTOM</th>
<th>OWNER CAN SERVICE?</th>
<th>DIAGNOSIS</th>
<th>CORRECTIVE ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas compartment door will not open</td>
<td>YES (*)</td>
<td>End cap finger tab not vertical, jammed in slot</td>
<td>Remove Cook Top from subpan, rotate end cap so finger tab is vertical, reinstall Cook Top</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Knob-to-door release linkage faulty</td>
<td>See Note (a)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Return to factory</td>
</tr>
<tr>
<td>Piezo clicks and spark is present, but gas does not ignite</td>
<td>YES (*)</td>
<td>No fuel</td>
<td>Load fuel canister or replace empty canister</td>
</tr>
<tr>
<td></td>
<td>YES(*)</td>
<td>Electrode tip too far from burner or mis-aligned</td>
<td>Bend electrode gently until gap is as per drawing. If electrode clamp is loose, remove Cook Top and tighten clamp. See Note (a)</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Flame Failure Device faulty</td>
<td>Return to factory</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Piezo spark unit faulty</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Piezo does not click, no spark</td>
<td>NO</td>
<td>Piezo spark unit or knob linkage faulty</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Piezo clicks, but no spark</td>
<td>YES (*)</td>
<td>Wire from piezo to electrode disconnected</td>
<td>Remove Cook Top. See Note (a), Push wire firmly into electrode socket</td>
</tr>
<tr>
<td>SYMPTOM</td>
<td>OWNER CAN SERVICE?</td>
<td>DIAGNOSIS</td>
<td>CORRECTIVE ACTION</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>No flame or very low flame</td>
<td>YES (*)</td>
<td>No Fuel</td>
<td>Load fuel canister or replace empty canister</td>
</tr>
<tr>
<td></td>
<td>YES</td>
<td>Weather too cold for use: below 35°F = low gas pressure</td>
<td>Do not use appliance at low temperatures</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>Faulty gas control linkage or regulator</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Flame extinguishes after releasing FFD button</td>
<td>YES</td>
<td>FFD has not reached operating temperature</td>
<td>Hold button down for at least five seconds after burner ignites to allow unit to operate properly</td>
</tr>
<tr>
<td></td>
<td>NO</td>
<td>FFD is faulty</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Low flame after cooking on high setting for some time</td>
<td>YES</td>
<td>Fuel canister self-refrigerated and/or regulator hot</td>
<td>Shut off for 5 minutes; resume cooking</td>
</tr>
<tr>
<td>Flame very yellow</td>
<td>YES (*)</td>
<td>Bad installation, no openings for combustion air</td>
<td>See &quot;Mounting the Cook Top,&quot; cut openings as shown. If problem persists, see below</td>
</tr>
<tr>
<td>Flame very yellow</td>
<td>NO</td>
<td>Gas feedpipe to burner is loose or damaged. Possible gas leaking under Cook Top</td>
<td>DANGER OF FIRE AND EXPLOSION! DO NOT USE COOK TOP. Return to factory</td>
</tr>
<tr>
<td>Lid safety interlock inoperative</td>
<td>NO</td>
<td>Broken cable</td>
<td>Return to factory</td>
</tr>
<tr>
<td>(note: Cook Tops before serial #358917 do not have this feature)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas leakage inside safety shell</td>
<td>YES (*)</td>
<td>Faulty fuel canister pin valve</td>
<td>Try new fuel canister</td>
</tr>
<tr>
<td>Gas leakage inside safety shell</td>
<td>NO</td>
<td>Faulty docking receiver inside safety shell</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Gas leakage under deck or inside appliance</td>
<td>NO</td>
<td>Faulty gas flow path</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Lid will not stay up</td>
<td>NO</td>
<td>Lids stay leafspring broken</td>
<td>Return to factory</td>
</tr>
<tr>
<td>Lid stay will not release</td>
<td>YES</td>
<td>Operator not pressing lid stay firmly toward rear of appliance</td>
<td>Wait till cool, retry</td>
</tr>
<tr>
<td>End cap gasket damaged</td>
<td>YES</td>
<td>Obtain replacement end cap</td>
<td>Contact customer service</td>
</tr>
<tr>
<td>Glass lid broken</td>
<td>YES</td>
<td>Obtain replacement lid assembly</td>
<td>Contact customer service</td>
</tr>
<tr>
<td>Cook Top immersed (vessel swamped or sunk etc)</td>
<td>NO</td>
<td>Probable major damage, Cook Top unsafe to use</td>
<td>DANGER OF FIRE OR EXPLOSION! DO NOT USE COOK TOP. Return to factory</td>
</tr>
</tbody>
</table>

For all other problems, please call KENYON Customer Service (860) 664-4906

NOTE (a): See section “Removing the Cook Top for Factory Service” for procedure to remove and reinstall Cook Top
Fig. 9 – Parts List: User-Replaceable Items

B93079 Lid Bumper Assembly

240491 Pot Holder, LEFT

240490 Pot Holder, RIGHT

B93081 End Cap with Gasket

B93083 REPLACEMENT GLASS LID ASSEMBLY

includes:

1 240495 GLASS LID ASSEMBLY

Plus:

1 141812 E Ring (for Lidstay)
4 F4061 Screw (for hinges)
1 141920 Loctite (for hinge screws)
1 141919 Instructions

(*) See below for Replacement Glass Lid Assembly

141812 E-CLIP (for Lidstay Pivot)

141674 Fuel Canister (SINGLE)

240487 Fuel Canisters (4 PACK)

VENT SYSTEM COMPONENTS

141905 Check Valve (3/8" IN / 1/2" OUT)

141928 Check Valve (1/2" IN / 1/2" OUT)

B93088 Replacement Check Valve Kit

B93089 Dual Check Valve Kit
**Return Policy**

You may return your **KISS** Cook Top to the factory for service at any time, whether in or out of warranty. If you require warranty service, contact Kenyon Customer Service to obtain a **Return Authorization Number** (RA). The RA number must be printed in two places: on the outer carton and inside with your message describing the problem with the Cook Top.

**Removing the KISS Cook Top for Factory Service**

- **Remove** the butane fuel canister from the appliance.
- **Remove** the four (4) mounting screws.
- **Carefully, lift** the Cook Top out and towards you, watching to ensure that the vent hose is coming along with it. If there is resistance, STOP! The vent hose may be clamped or secured to some structure under the stove. Investigate, free the hose, and continue.
- **Loosen** hose clamp and extract vent pipe from the vent hose.
- **Tape** or tie the glass lid to the stove deck to prevent possible glass breakage. Glass lids damaged in shipping will not be replaced under warranty.

**Reinstalling the KISS Cook Top**

- **Reverse** the above, being careful not to damage any of the small gas tubes or catch the lidstay or lid safety interlock cable on the sheetmetal divider.
- **Confirm** that the glass lid opens and closes smoothly.
- **Replace** the 4 screws **snug, but not over-tight** — or you will distort the stainless steel deck.
- **Re-secure vent hose** under galley counter if you have removed any clamps or cable ties.

**Shipping Instructions**

- Do not remove or ship the galvanized steel sheet-metal underpan. Leave it installed in the countertop.

**Packing to Prevent Shipping Damage**

- Obtain a heavy corrugated carton at least 6 inches larger than the **KISS** in all directions, ie carton must be at least 20” x 20” x 12” high (500mm square, 300mm high)
- Cut a strip of corrugated cardboard, wrap it around the **KISS** with the glass lid closed and tape it in place. This will keep the glass lid in place while you are handling the Cook Top.
- Fill the bottom of the carton with minimum 4” of crushed newspaper or plastic bubble wrap.
- **DO NOT USE PLASTIC PACKING “PEANUTS”**

**Packing “peanuts” can get inside the Cook Top, the burner, etc. You will be responsible for charges incurred for the time and labor to disassemble and remove as required!**

- Wrap the Cook Top in newspaper, plastic bag or other clean material to protect it from paper scraps or loose packing materials.
- Place the Cook Top in the carton.
- Attach an envelope marked “Attention Customer Service” containing the following information:
  1. Your name, address, daytime telephone and/or FAX number.
  2. If under warranty, the “RA” number you received when you called Customer Service. (Non-warranty repairs do not require an "RA" number.)
  3. Your original purchase receipt for the Cook Top (or if it was original equipment on your new boat, a copy of the boat purchase receipt)
  4. A description of the problem you observed
- Fill the space all around it and above it very tightly with crushed newspaper or plastic bubble wrap.
- Tape carton shut securely and address to:

**CUSTOMER SERVICE**
**KENYON INTERNATIONAL, INC.**
**#8 HERITAGE PARK ROAD**
**CLINTON, CT 06413**
**U.S.A.**
Warranty

STOVE LIMITED WARRANTY

Each new Kenyon stove is warranted to be free from defects in material or workmanship under normal use and service; our obligation under this warranty being limited to making good at our factory any part or parts thereof which shall, within twelve months of date of original installation, but in no event more than twenty-four months from date of sale to original purchaser, fail to perform the intended function and which our examination shall disclose to our satisfaction to have been thus defective. The stove must be returned to us with transportation charges prepaid to the address indicated below. We neither assume nor authorize any other person to assume for us any liability in connection with the sale of our product. This warranty shall not apply to any product which shall have been repaired or altered so as in our judgement to affect its stability or reliability, nor which has been subject to misuse, negligence or accident.

This limited warranty does not extend to any consequential damages which may be suffered because of failure of the product. Consequential damages include any loss of profit, property damage or personal injury.

Kenyon International, Inc
PO Box 925
#8 Heritage Park Road
Clinton, CT 06413