

# KENYON®

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## INSTRUCTION MANUAL

*for*

**KISS™**

**Cook Top**

COVERS ALL KISS AND KISS CE MODELS

P/N 141912  
Version 030306

**KENYON International**

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**CE**

0063

AT 1554

(Model #'s B23015, B23017 only)

//DC-1/engineering/manuals/kiss

## 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 1/2" (346mm)
- Depth: 5 3/4" (146mm)
  
- Depth below counter surface: 4 3/4" (121mm)

### WEIGHT

- 14.5 lbs. (6.6 kg)

**DO NOT DISCARD THIS MANUAL  
SAVE FOR FUTURE REFERENCE**

# 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.

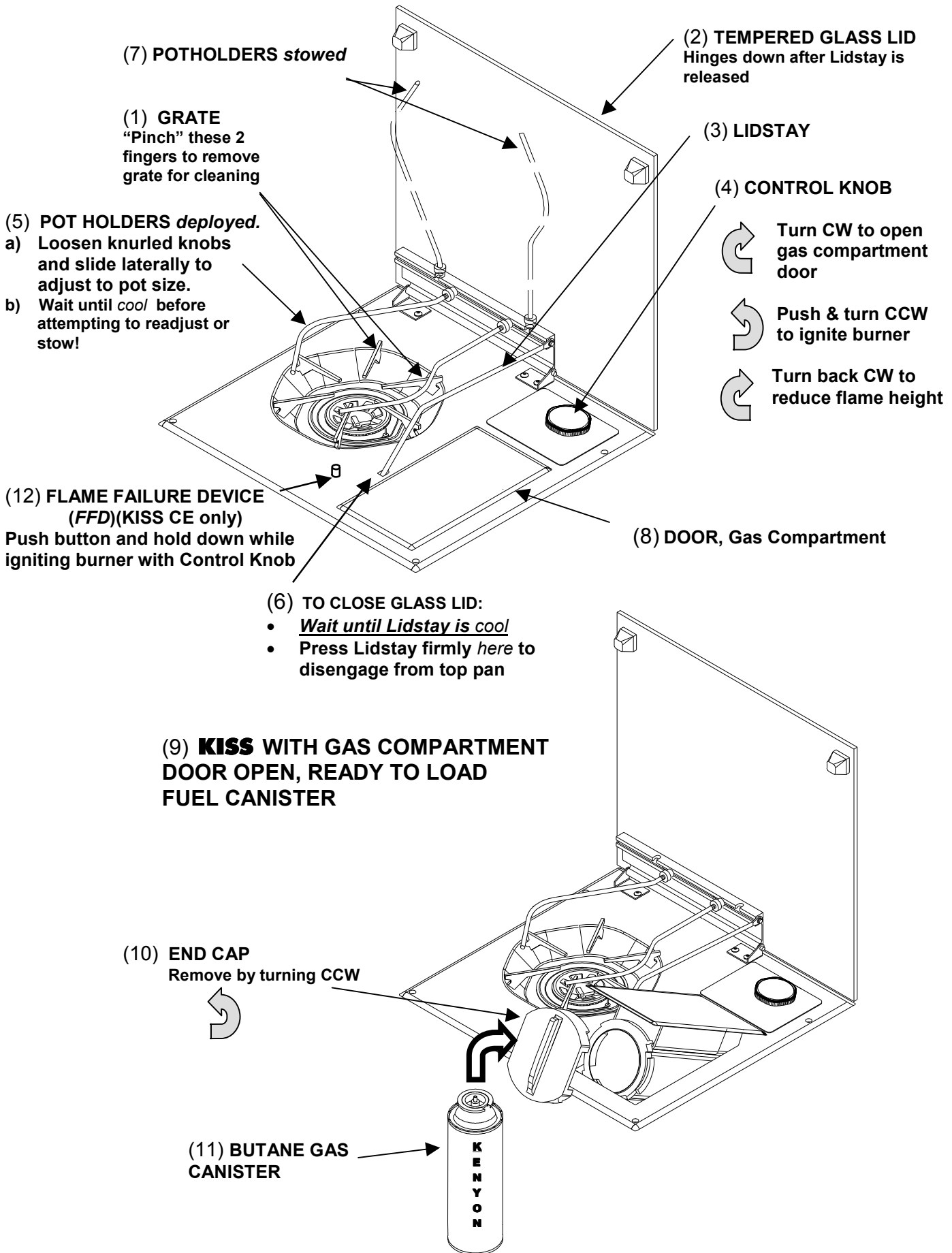
### Tools Needed for Installation

- 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 506DPCHR or similar
- Assorted nylon wire ties and/or clamps as needed to secure vent hose against chafe

**Fig. 1 - KISS Operating Controls**



# 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 counter top:***

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

#### **Minimum distances are:**

**HORIZONTAL: 16" (40cm)**

**VERTICAL: 39" (1m)**

***It is the installer's and/or purchaser's responsibility to ensure that the **KISS** Cook Top is installed in a location such that a fire hazard is not created.***

***Because various related Standards are always undergoing revision, we urge you to contact the **ABYC** for the latest Standards that satisfy both U.S. and International requirements:***

***American Boat & Yacht Council  
3069 Solomons Island Road,  
Edgewater, MD 21037-1416  
TEL (410) 956-1050 FAX (410) 956-2737  
Internet: abycinc@aol.com***

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

### **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.

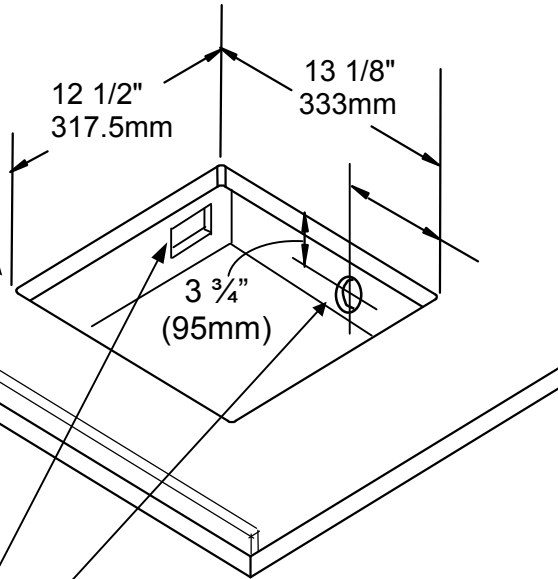
***DO NOT mount the Cook Top in the subpan at this time.***

**Fig. 2 – Cutout Dimensions**

(1) Use 1/2" (13mm) diameter drill or router bit for corners

(2) FRONT  
(OPERATOR SIDE)

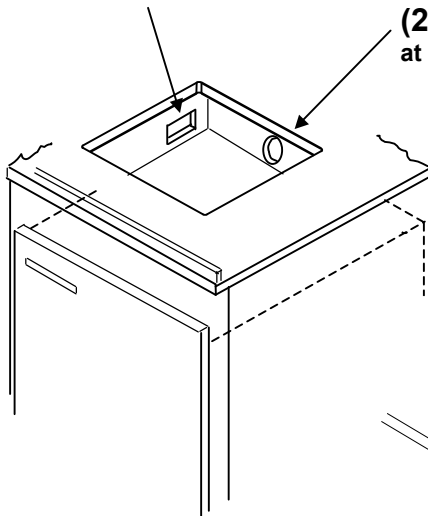
- (3) If Cook Top will be "boxed in" by existing structures:
- Cut 2" x 4" (50mm x 100mm) opening for combustion air anywhere in the surrounding enclosure
  - Cut 2" (50 mm) diameter hole for Vent Hose where shown



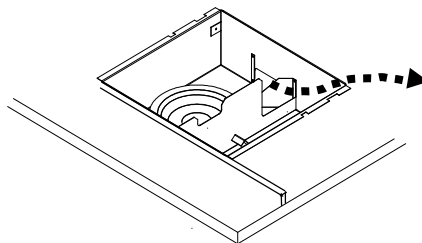
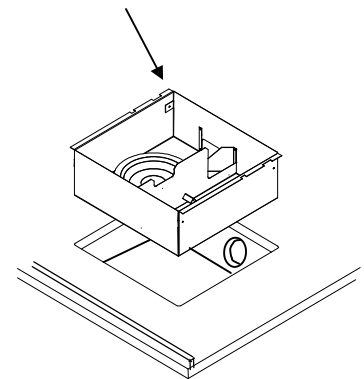
**Fig. 3 – Installing Cook Top into Counter**

(1) If Cook Top will be "boxed in" you must provide at least 8 square inches of opening for combustion air

(3) Bottom Pan



(2) Hole for Vent Hose  
at least 2" diameter



(4) Vent  
Hose  
Route

# Installation

## 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.



# Installation

## CAUTION

**WATER ENTRY INTO THE KISS COOK TOP THROUGH THE VENT HOSE MAY RESULT IN UNCONTROLLABLY HIGH FLAME AND FLAMMABLE GAS LEAKS.**

**INSTALL AND MAINTAIN VENTING SYSTEM PER MANUFACTURER'S INSTRUCTION.**

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 **KISS** 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 **KISS** 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 thruhull 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

Fig. 4 – **KISS** Vent Layout for Powerboats

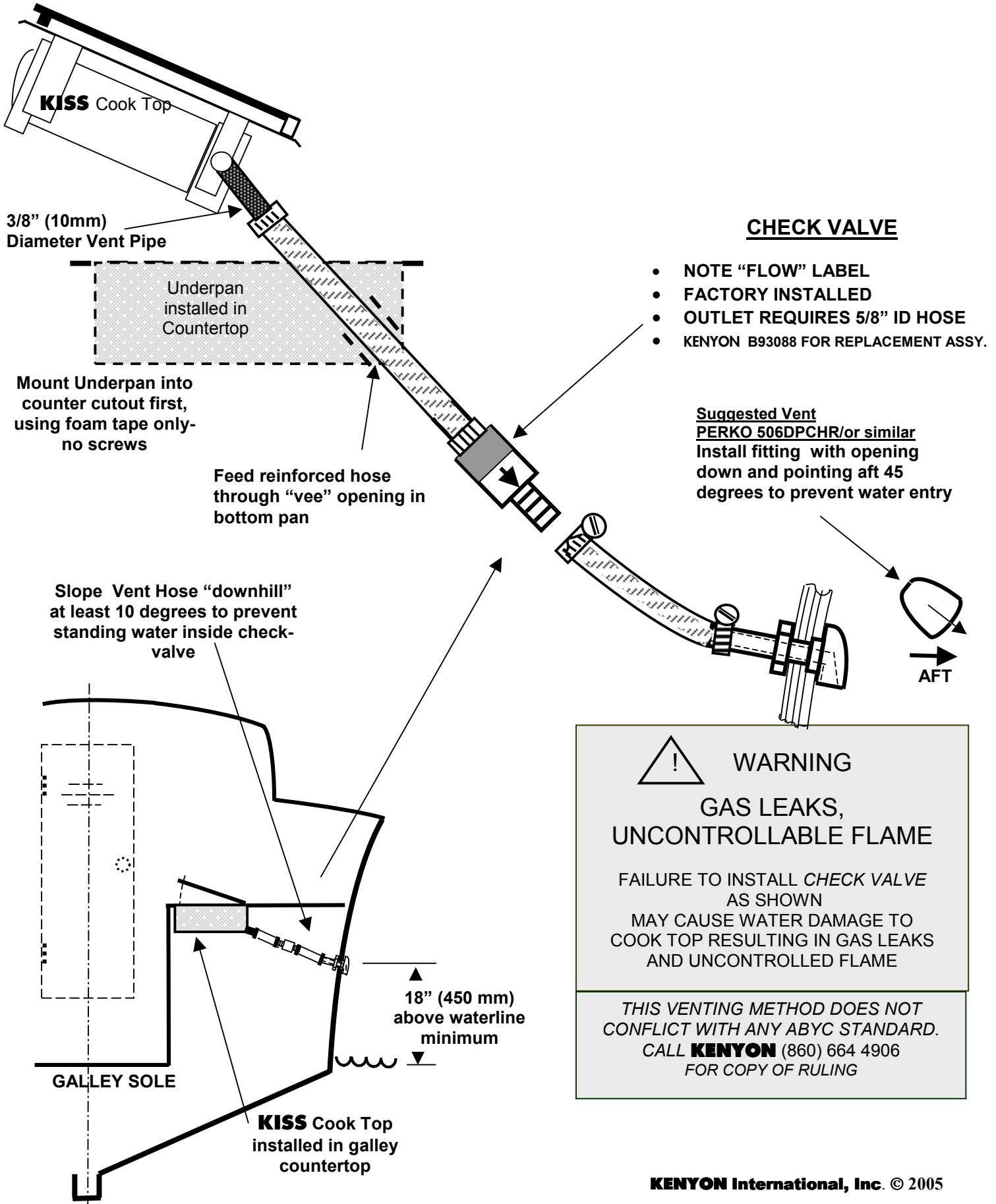
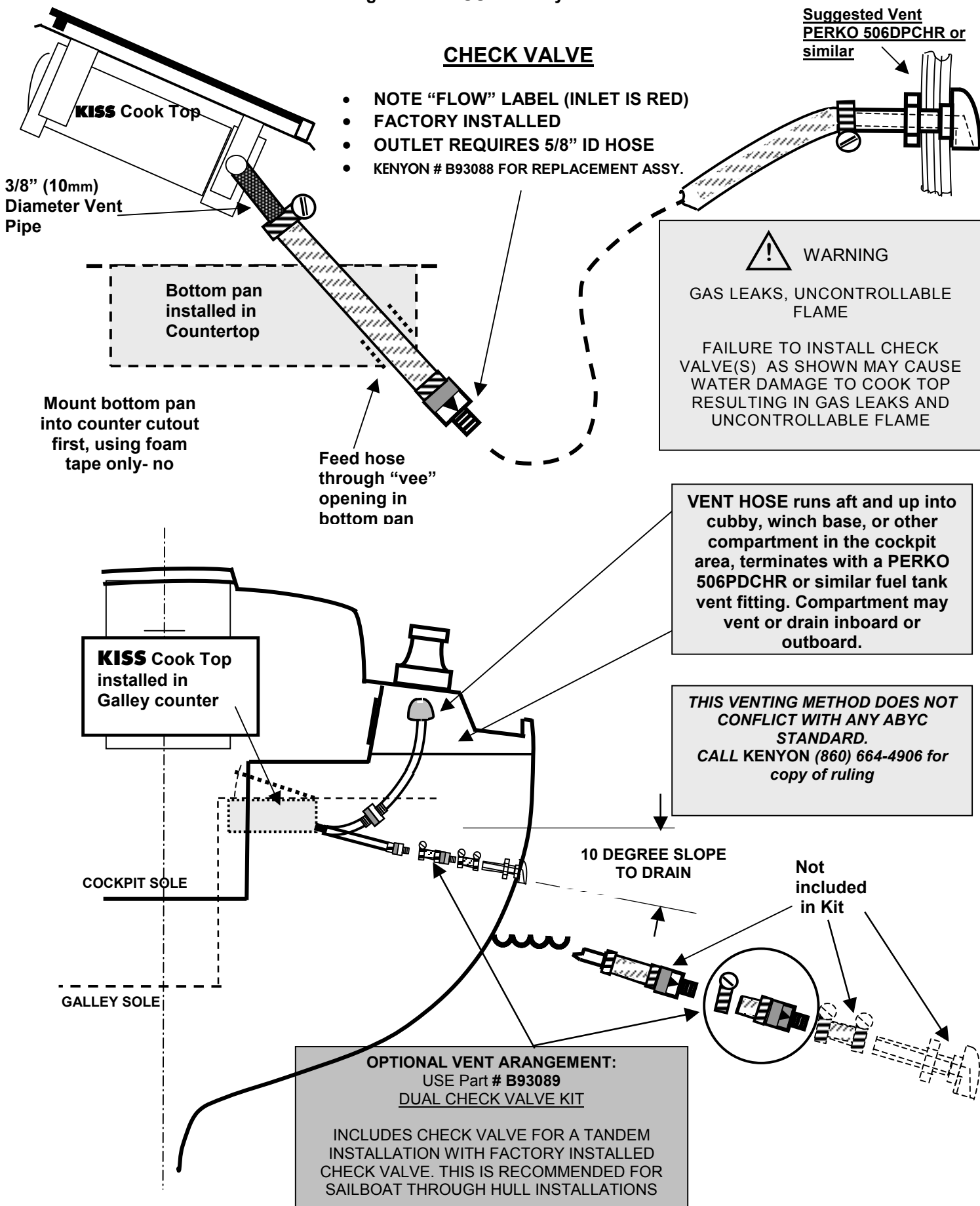


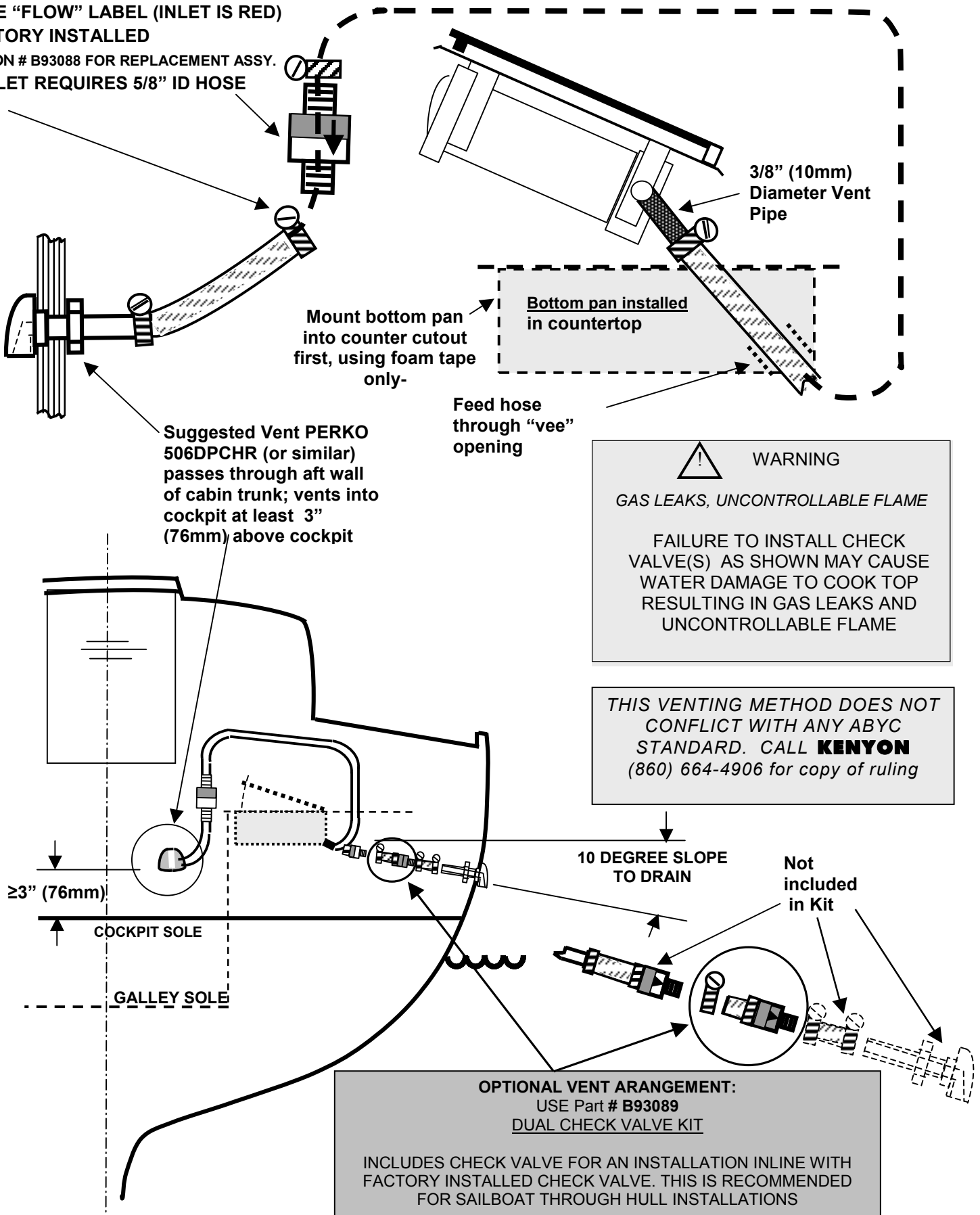
Fig. 5 – “Winch Cubby” **KISS** Vent Layout for Sailboats  
 “Through-Hull” **KISS** Vent Layout For Sailboats



**CHECK VALVE**

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

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




**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

# 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

- ◆ **Hinge** the glass lid open until it latches
- ◆ **Depress** the gas knob and rotate it clockwise (CW) to the "door open" icon. The gas compartment door will pop open, revealing the safety shell and end cap.

- ◆ **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!**

**PUSH** the lidstay away from you to disengage it from the opening in the deck and lower the lid gently until closed.

**DO NOT** force the lid! **DO NOT** attempt to close it without first disengaging the lidstay. You may break the glass lid. Show your guests how to release the lidstay before allowing them to use this appliance.

### **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**

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**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.**

**NEVER USE THIS FEATURE AS A  
ROUTINE METHOD OF TURNING OFF THE  
FLAME! IT IS PROVIDED AS SAFETY  
INTERLOCK ONLY - NOT A USER  
OPERATING CONTROL.**

## FACTORY ONLY MAINTENANCE

All problems and procedures not specified above must be referred to our factory for diagnosis and repair.

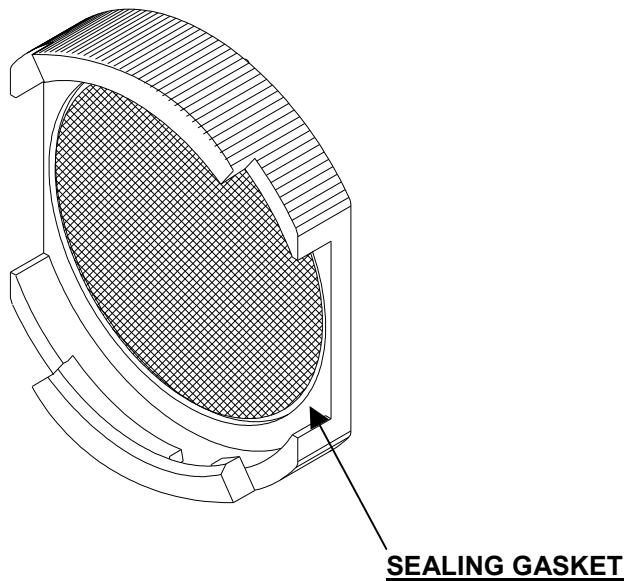
**Fig. 8 – End Cap Including Sealing Gasket**

 **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**



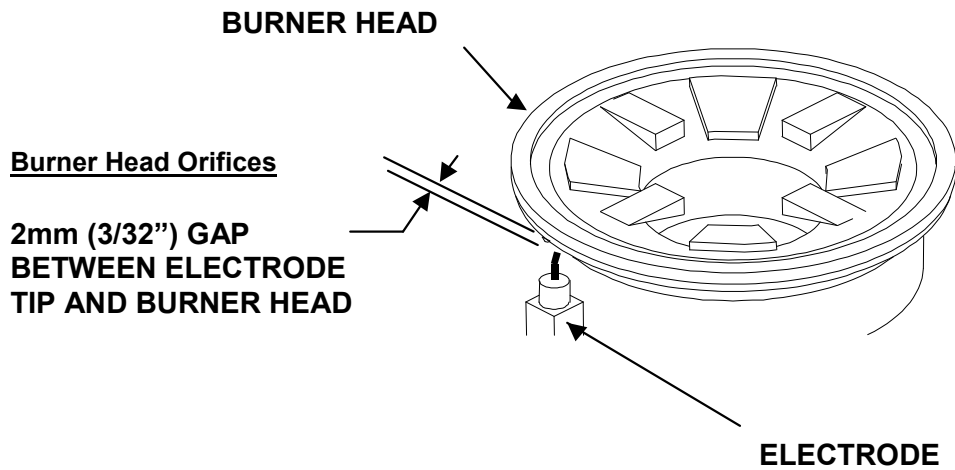
Call Customer Service to order new end cap with sealing gasket should yours become damaged.

**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



## Maintenance and Cleaning



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").

# Maintenance

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.

## **KISS**<sup>®</sup> Cook Top Troubleshooting Guide

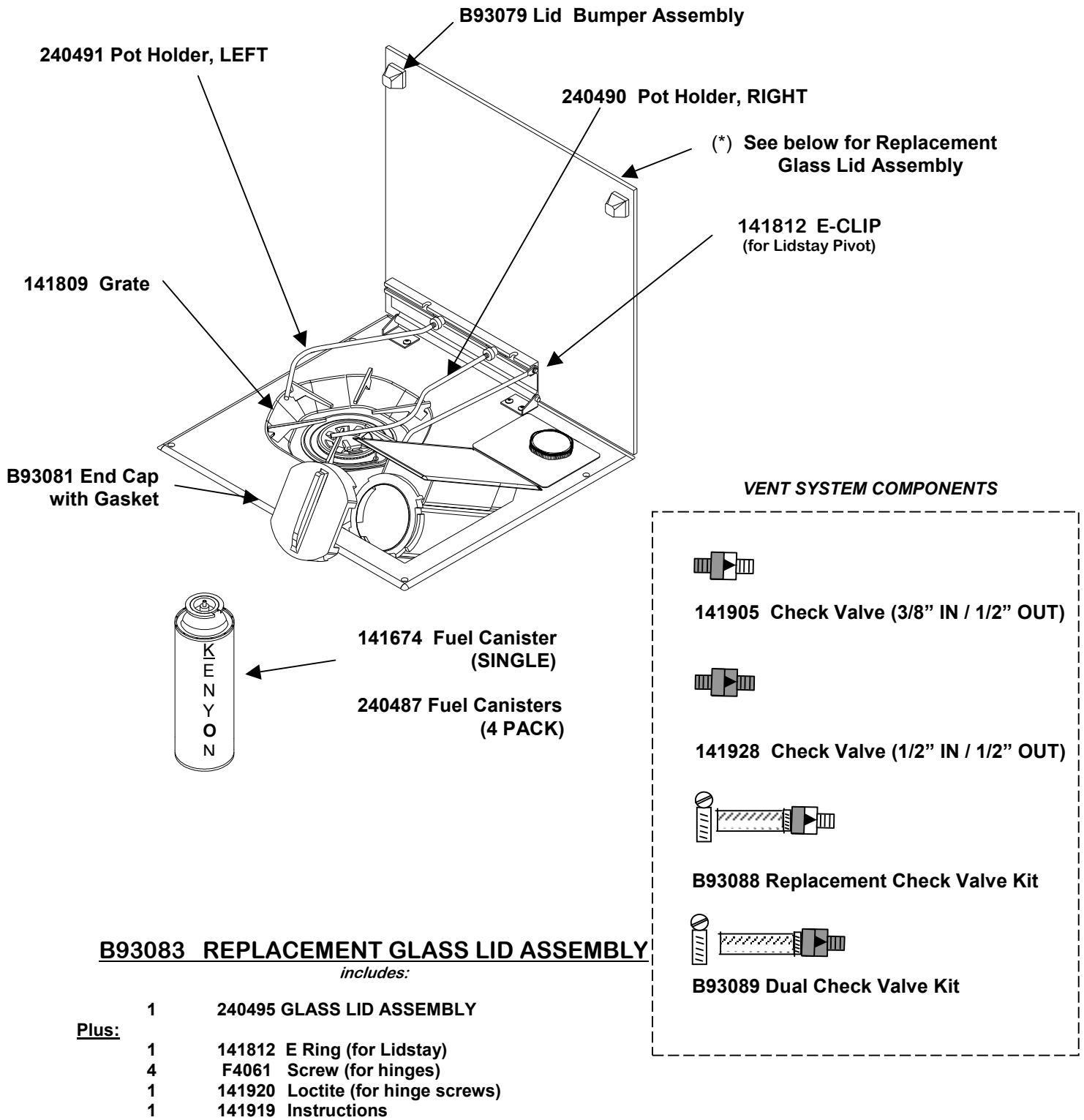
SYMPTOM	OWNER CAN SERVICE?	DIAGNOSIS	CORRECTIVE ACTION
Gas compartment door will not open	YES (*)	End cap finger tab not vertical, jammed in slot	Remove Cook Top from subpan, rotate end cap so finger tab is vertical, reinstall Cook Top  See Note (a)
	NO	Knob-to-door release linkage faulty	Return to factory
Piezo clicks and spark is present, but gas does not ignite	YES (*)	No fuel	Load fuel canister or replace empty canister
	YES(*)	Electrode tip too far from burner or mis-aligned	Bend electrode gently until gap is as per drawing. If electrode clamp is loose, remove Cook Top and tighten clamp, See Note (a)
	NO	Flame Failure Device faulty	Return to factory
	NO	Piezo spark unit faulty	Return to factory
Piezo does not click, no spark	NO	Piezo spark unit or knob linkage faulty	Return to factory
Piezo clicks, but no spark	YES (*)	Wire from piezo to electrode disconnected	Remove Cook Top. See Note (a), Push wire firmly into electrode socket

<b>SYMPTOM</b>	<b>OWNER CAN SERVICE?</b>	<b>DIAGNOSIS</b>	<b>CORRECTIVE ACTION</b>
No flame or very low flame	YES (*)	No Fuel	Load fuel canister or replace empty canister
	YES	Weather too cold for use: below 35°F = low gas pressure	Do not use appliance at low temperatures
	NO	Faulty gas control linkage or regulator	Return to factory
Flame extinguishes after releasing FFD button	YES	FFD has not reached operating temperature.	Hold button down for at least five seconds after burner ignites to allow unit to operate properly
	NO	FFD is faulty	Return to factory
Low flame after cooking on high setting for some time	YES	Fuel canister self-refrigerated and/or regulator hot	Shut off for 5 minutes; resume cooking
Flame very yellow	YES (*)	Bad installation, no openings for combustion air	See "Mounting the Cook Top;" cut openings as shown. If problem persists, see below
Flame very yellow	NO	Gas feedpipe to burner is loose or damaged. Possible gas leaking under Cook Top	<b>DANGER OF FIRE AND EXPLOSION! DO NOT USE COOK TOP.</b> Return to factory
Lid safety interlock inoperative (note: Cook Tops before serial #358917 do not have this feature)	NO	Broken cable	Return to factory
Gas leakage inside safety shell	YES (*)	Faulty fuel canister pin valve	Try new fuel canister
Gas leakage inside safety shell	NO	Faulty docking receiver inside safety shell	Return to factory
Gas leakage under deck or inside appliance	NO	Faulty gas flow path	Return to factory
Lid will not stay up	NO	Lidstay leafspring broken	Return to factory
Lidstay will not release	YES	Operator not pressing lidstay firmly toward rear of appliance	Wait till cool, retry
End cap gasket damaged	YES	Obtain replacement end cap	Contact customer service
Glass lid broken	YES	Obtain replacement lid assembly	Contact customer service See Note (a)
Cook Top immersed (vessel swamped or sunk etc)	NO	<i>Probable major damage, Cook Top unsafe to use</i>	<b>DANGER OF FIRE OR EXPLOSION! DO NOT USE</b> Return to factory

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**



## KENYON Customer Service

PHONE: (860) 664-4906  
Hours: 8:00 a.m. – 5:00 p.m. EST

FAX: (860) 664-4907

INTERNET: www.kenyonappliances.com

## 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**