



**INSTALLATION, OPERATION
and MAINTENANCE MANUAL
for RECREATIONAL VEHICLE
DROP-IN COOKTOP MODELS SDS2**



▲ WARNING

IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

FOR YOUR SAFETY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance. Extinguish any open flame including cigarettes.
- Evacuate all persons from the vehicle.
- Do not touch any electrical switch (including lights) or use any phone or radio in the vehicle.
- Shut off the gas supply at the gas container (bottle) or source.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- Do not turn on the gas supply until the gas leak(s) have been repaired.
- Have the gas system checked and leakage source corrected by a qualified installer, service agency, manufacturer, dealer, or the gas supplier.

THIS APPLIANCE IS NOT TO BE INSTALLED WITH A VENTILATION SYSTEM THAT BLOWS AIR DOWNWARD TOWARDS THE COOKTOP. THIS TYPE OF VENTILATION SYSTEM MAY CAUSE IGNITION AND COMBUSTION PROBLEMS WITH THE GAS COOKING APPLIANCE, RESULTING IN PERSONAL INJURY OR UNINTENDED OPERATION.

IMPORTANT:

INSTALLER: PROVIDE THIS MANUAL TO THE OWNER/USER OF THE RECREATIONAL VEHICLE.

OWNER: RETAIN THESE INSTRUCTIONS AND WARRANTY FOR FUTURE REFERENCE. READ THIS MANUAL CAREFULLY BEFORE OPERATING APPLIANCE. FOLLOW ALL SAFETY NOTICES AND WARNINGS.

ALL TECHNICAL AND WARRANTY QUESTIONS SHOULD BE DIRECTED TO THE COMPANY LISTED ON THE WARRANTY, OR RATING PLATE LOCATED UNDERNEATH THE MAIN TOP.

INTRODUCTION

1. Your Drop-in Cook top has been certified by CSA for the U.S.A. and Canada for use with Propane gas only.
2. Your cooktop is the following model: SDS2.
3. Model number letter designation:
S - Suburban
D - Drop-in
S - Sealed Burners
- Number of burners
4. The complete model, serial number and stock number are located on the data label located under the top. This information will be needed when servicing appliance or ordering parts. Record the information in the space provided on the WARRANTY page in this manual and retain for future reference. Replacement parts can be ordered through your local dealer or Suburban Service Center. To obtain information on locating a local service agency, call Suburban Manufacturing Company, Customer Service Department, (423) 775-2131.
5. The cooktop is designed and certified for use with Propane gas only. **Do not attempt to convert to natural gas.**
6. Gas Supply pressure for checking of the regulator setting shall be at least 1" W.C. above the suggested manifold pressure.
 - Minimum Gas Supply Pressure: 11" W.C.
 - Maximum Gas Supply Pressure: 14" W.C.

INSTALLATION

⚠ WARNING

Installation of this appliance must be made in accordance with the written instructions provided in this manual. No agent, representative or employee of Suburban or other person has the authority to change, modify or waive any provision of the instructions contained in this manual.

1. In the U.S.A., the installation must conform with state or other codes or in the absence of such codes, refer to the latest edition of :
 a. Standard for Recreational Vehicles NFPA 1192.
 b. National Fuel Gas Code ANSI Z223.1/NFPA 54
2. In Canada, the installation must be in accordance with:
 a. Standard CAN/CSA Z240.4.2-08, Installation Requirements for Propane Appliances and Equipment in Recreational Vehicles.
 b. Any applicable local codes and regulations.

Not suitable for use with a hose assembly.

Not for installation or operation with aftermarket lids or covers.

3. Minimum clearances from combustible walls above and below counter:

MODELS	Below Counter Bottom (From Gas Connection)	Center of Burner Head(s) to adjacent vertical combustible material above the cooking surface burners.		
		Sides, Rear, and Bottom	Right Sidewall	Left Sidewall Backwall
SDS2	0"	4 3/4"	6 3/4"	6 3/4"

4. Cut-out dimensions illustrated in Figure 2 are as follows:

MODEL	DIMENSIONS			
	A	B	C*	D*
SDS2	18-3/8"	14-1/16"	4"	2-1/4"

*Minimum acceptable spacing between adjacent models is 3".

NOTE: The maximum depth of cabinets installed above cooking appliances is 13 inches.

⚠ WARNING

Installation of cooktop cannot be such that the user is required to reach over any of the burners to reach the knobs.

5. Prepare the countertop cutout per the dimensions above and in Figure 1a.
6. Access to install the gas line will be dependent upon type of enclosure and clearances. For low clearance bottom installations, it may be necessary to drill a hole in the bottom to route the gas line. See figures 1B for gas connection location.
7. Secure the cooktop to the countertop by tightening clamp screws located under rubber bumpers (See Figure 5). **DO NOT OVERTIGHTEN.**
 - a. If the countertop thickness range is between 0.827" - 0.984", the plastic spacer piece provided should NOT be used in conjunction with the clamping mechanism (Refer to Figure 5A).
 - b. If the countertop thickness range is between 0.629" - 0.827", the plastic spacer piece provided SHOULD be used in conjunction with the clamping mechanism (Refer to Figure 5B).
8. Route gas line and connect the 3/8" male flared fitting.
NOTE: Be sure to hold the fitting at the end of the manifold with a wrench when tightening the gas connection. Failure to hold fitting secure could result in a gas leak due to fitting being damaged.

⚠ CAUTION

It is imperative that the cabinet in which the cook top is placed be separated from other appliances so that the combustion air supply to the top burners can not be affected in any way by any forced-air heating appliance or its return air system or by any other source of positive or negative air pressure. A negative air pressure created by another forced air appliance may draw the flame down around the top burners and into the cook top resulting in damage to the burners and cook top, as well as possible personal injury and/or damage to vehicle. A positive draft could cause the burner flame to lift-off the burner and go out resulting in an uncontrolled escape of gas. Whenever the gas fumes reach an open flame or another ignition source, an explosion and/or fire will occur resulting in property damage, personal injury and/or loss of life.

9. Be sure all openings in the cabinets around the gas line are sealed at time of installation.
10. Be sure burner knobs are in "OFF" position. Turn on gas supply. Check all connections for leaks according to the manufacturer's instructions. Ensure that the gas connection point is accessible with the appliance installed.

⚠ WARNING

Never check for leaks with an open flame. Apply a soap and water solution to all joints to see if bubbles are formed.

NOTE: The appliance and its individual shutoff must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 PSIG.

11. If installation of this product is in a portable counter top, the following additional guidelines must be followed:
 - a. Portable counter top is provided by installer and must be able to support a minimum weight of 20 lbs.
 - b. OEM must provide a label placed on the counter top that clearly states the maximum weight that can be added to the portable counter top after installation. (This should take into account the weight of the cooking unit - 20 lbs.).
FOR EXAMPLE: Mounting bracket used is rated for 100 lbs. OEM should weigh fabricated counter top. Subtract weight of counter top (i.e. 20 lbs.) and weight of cooking unit (20 lbs.) from 100 lbs. The weight label should say no more than 60 lbs can be put on the counter top.
 - c. The surface material for the counter top must be rated for a minimum of 200°F continuous operation temperature with the maximum weight applied.
 - d. Minimum clearances from combustible walls above and below the counter top must be adhered to during operation.
 - e. The OEM must provide a warning label placed on the counter top that requires the unit to be cooled a minimum of 30 minutes after use before storing.
 - f. During storage, a clearance of 1" must be maintained from the top surface of the unit.
 - g. **NOTE:** The gas must be turned "OFF" and disconnected when stored.
12. Appliance commissioning - installer to check for correct burner test point pressure with at least 50% of cooktop burners operating, and any other appliance in operation. Verify proper ignition of all burners.
13. Check all connections for gas leaks with soap and water. DO NOT use a naked flame for detecting leaks. Ignite all burners both individually and concurrently to ensure correct operation of gas valves, burners and ignition. Turn gas valves to low flame position and observe stability of the flame for each burner individually and concurrently. When satisfied with the appliance, please instruct the user on the correct method of operation. In case the appliance fails to operate correctly after all checks have been carried out, refer to the authorized service provider in your area.
14. Your Suburban Drop-in Cook top is now ready for operation. Before operating, read the safety information and operating instructions contained in this manual.

MAKING ELECTRICAL CONNECTION LOW VOLTAGE 12 VOLTS D.C.

- A. Applicable to the following model: 3032AST
- B. Refer to Figure 4 for location of screw-type terminal.
- C. Electrical connections must be made in accordance with local codes and regulations. In the absence of local codes and regulations, refer to the latest edition of the National Electrical Code ANSI/NFPA 70.
- D. Make the 12 Volt D.C. electrical connection following the wiring diagram illustrated in Figure 4.

⚠ CAUTION

This appliance must be connected to a 12V power supply. The circuit must be fitted with a safety fuse not higher than 3 amps. When Wiring the appliance, respect correct polarity.

⚠ WARNING

It is of utmost importance to never connect this appliance to a higher voltage

SAFETY INFORMATION

Listed below are some very important facts that you should follow. They are listed for your protection and safety.

1. Have your dealer show you where the main gas shut-off valve is located and how to shut it off in an emergency.
2. Use your cook top only for its intended use.

⚠ WARNING

NEVER use this appliance as a space heater to heat or warm the room. Doing so may result in carbon monoxide poisoning and overheating of the appliance.

3. If the cook top is near a window, proper precautions should be taken to prevent curtains from blowing over burners creating a fire hazard.
4. Keep the area around the cook top clean and clear of any combustible materials, gasoline or other flammable vapors and liquids.
5. Do not leave children alone or unsupervised in area where cook top is being used. The top burners, burner grates and other areas near the burners become hot enough to cause severe burns.
6. The cooking surface surrounding the appliance and the portion of appliance under the countertop will become hot during operation.
7. Do not touch the cooking surface or the portion of the appliance under the countertop or allow any items which may be damaged by heat to contact the appliance during operation or before after use.
8. Children should be taught that the cook top is not a toy. They should not be allowed to play with the controls or any other parts of the appliance.
9. Do not store items of interest to children in cabinets above or near the cook top. Children climbing on the appliance to reach items could be seriously injured.
10. Do not wear loose fitting clothing or long-hanging sleeved clothing while using the appliance. If they contact the open flame of the burner, they could ignite and cause severe burns.
11. Use only **dry** pot holders to remove hot utensils. Using damp pot holders on hot surfaces could result in burns to hands. Do not use a towel or bulky cloth for a pot holder. The cloth could contact open flame and catch fire.
12. Never heat an unopened container. Pressure build-up within the container can cause it to explode.
13. Keep cook top clean. The build-up of grease and food boil-over and/or spillage can create a fire hazard.
14. Avoid using your cook top or any other appliance if you smell gas. Do not assume that the smell of gas in your RV is normal. Any time you detect the odor of gas, it is to be considered life threatening and corrected immediately. Extinguish any open flames including cigarettes and evacuate all persons from the vehicle. Shut off gas supply at LP gas bottle. (See safety notice on front cover of this manual.)
15. Turn pan handles inward or toward back of cook top and out of the way of people walking past cook top and/or out of the reach of children. Do not turn handles to where they are over the burners.
16. Do not use water on grease fires. Never pick up a flaming pan. Smother a flaming pan with a lid or flat pan. Flaming grease outside the pan can be extinguished with baking soda or a multipurpose dry chemical fire extinguisher.
17. Never leave top burner(s) unattended.
 - a. Down drafts could be created by opening and closing cabinets or doors and by positive or negative air pressures within the RV which can affect burner performance if installed improperly. The burner could extinguish resulting in gas escaping into the RV. **Remember, gas to the burners is controlled manually. You must turn gas ON and/or OFF.**
 - b. A boil over could occur and the spill could ignite.
18. Flame size
 - a. Never extend the flame beyond the outer edge of the utensil. A higher flame simply wastes heat and energy. See Figure 3.
 - b. Correct flame size is determined by utensil size and material, what you are cooking and whether or not you are cooking with liquid.

RECOMMENDED PAN SIZE MINIMUM MAXIMUM

6.25"

8.75"

19. To prevent damage to the cook top, top burners, or top grate, never operate a top burner without a pan in place. The top burners should not be operated on high for an extended period of time.

Use the high flame setting to begin, then reduce the flame to a lower setting to continue cooking. Never use cookware which extends beyond one inch of the grate, or rests over two operating top burners. This will cause excessive heat build-up which results in damage to the grate, top burner, and cook top.

OPERATING INSTRUCTIONS

⚠ WARNING

The glass lid on the Suburban SDS2 Cooktop is NOT a cooking surface. The top cover must be open when main burner is in operation. See the warning label on the glass lid: **COVER MUST BE IN THE FULL OPEN POSITION WHEN ANY TOP BURNER IS IN OPERATION. AFTER USE OF TOP BURNER(S), LET TOP BURNER GRATE COOL BEFORE REPLACING TOP COVER.**

1. Know which knob controls which burner. Always be sure the correct burner is turned on.

SYMBOL	DESCRIPTION
	LITE / HIGH FLAME
	LOW FLAME
	IGNITION SWITCH

2. Push the electronic ignition button down.
3. Depress knob and turn counter-clockwise ↺ to "High Flame" position.
 - a. Verify sufficient gas supply before attempting to light the burner. Air in the gas line will significantly delay burner ignition. The burner may light unexpectedly as the air in the line clears and is replaced by Propane gas. This unexpected ignition could burn you. Air in the gas lines may occur after the vehicle gas bottle and/or tank is refilled, during and after servicing other appliances on same gas line, etc.
 - b. Do not attempt to light more than one burner at a time.

⚠ CAUTION

Hand held ignitors may be used but be sure they are the type designed for lighting open flame burners.

3. If any burner should extinguish after initial lighting or due to accidental blow-out, turn gas off by turning control knob clockwise ↻ to "OFF", wait five (5) minutes before attempting to relight the burner. Failure to follow these instructions could result in a fire or explosion. If the burner should go out while cooking, or if there is an odor of gas, turn control knob(s) clockwise ↻ to "OFF". Wait five (5) minutes for gas odor to disappear. If gas odor is still present - Do not relight burners. See "What To Do If You Smell Gas" on the front cover of this manual.
4. To turn burner(s) "OFF", turn the appropriate control knob clockwise ↻ to "OFF".

⚠ WARNING

Be sure all control knobs are turned "OFF" when you are not cooking. Someone could be burned or a fire could start if a burner is accidentally left on or unattended even if only momentarily.

MAINTENANCE

⚠ WARNING

If the user of this appliance fails to maintain it in the condition in which it was shipped from the factory or if the appliance is not used solely for its intended purpose or if appliance is not maintained in accordance with the instructions in this manual, then the risk of a fire and/or the production of carbon monoxide exists which can cause personal injury, property damage or loss of life.

1. No regular maintenance is required except cleaning.
2. Make sure all controls are "OFF" and the drop-in cook top is cool before cleaning.
3. Make sure that all cook top surfaces, burner grates and burners are cool before cleaning or disassembling cook top.
4. Do not use oven cleaners, bleach or rust removers on the cook top or burner grates.
5. Do not obstruct the flow of combustion and ventilation air.
6. Clean all surfaces as soon as possible after boil overs or spill overs.
7. Use warm soapy water only to clean the burner grates, cook tops, painted surfaces, porcelain surfaces, stainless steel surfaces and plastic items on your drop-in cook top. Do not use grit or acid-type cleaners.
8. Do not use steel wool or abrasive cleaners. They will damage your drop-in cook top. Use only non-abrasive plastic scrubbing pads.
9. Do not allow foods containing acids (such as lemon or tomato juice, or vinegar) to remain on porcelain or painted surfaces. Acids may remove the glossy finish.
10. Do not wash warm porcelain surfaces. Allow these areas to cool before cleaning. You could burn yourself or the porcelain could crack.
11. Pitting and discoloration will result if spills are allowed to remain for any length of time on stainless steel.
12. Do not allow spill overs to remain on the burner caps. The caps could be permanently stained if spill overs are not cleaned up promptly.
13. If any of the burner ports or the orifice are clogged, carefully clean with a small wire or needle. Be sure not to enlarge ports. Never use a wire brush for cleaning burner ports or orifice. Never use any brush which may "shed" bristles, which may become lodged in the orifice or burner ports and cause a fire or explosion.
14. Replace ignition battery as needed. Requires one (1) "AA" battery. Located under rear of cooktop.

ABNORMAL OPERATION

Any of the following are considered to be abnormal operation and may require servicing:

1. Yellow tipping of the cooktop burner flame.
2. Sooting up of cooking utensils.
3. Burners not igniting properly.
4. Burners failing to remain alight.
5. Burners extinguished by cupboard doors.
6. Gas valves, which are difficult to turn.

In case the appliance fails to operate correctly, contact the authorised service provider in your area.

TO REPLACE THE BATTERY

1. Purchase new AA type battery.
2. Remove existing battery from battery holder (See Figure 1B).
 - a. Access bottom of cooktop through cabinet underneath cooktop.
3. Install new battery into battery holder.

PARTS AND SERVICE

Contact a conveniently located recommended Suburban Service Center. Describe to them the nature of your problem, make an appointment, if necessary, and provide for delivery of your RV with the appliance installed.

To obtain information on locating a local service agency, contact:

AIRXCEL, INC., Suburban Division
Customer Service Department
676 Broadway Street
Dayton, TN 37321
Phone: (423) 775-2131 Ext. 7101
www.Airxcel.com

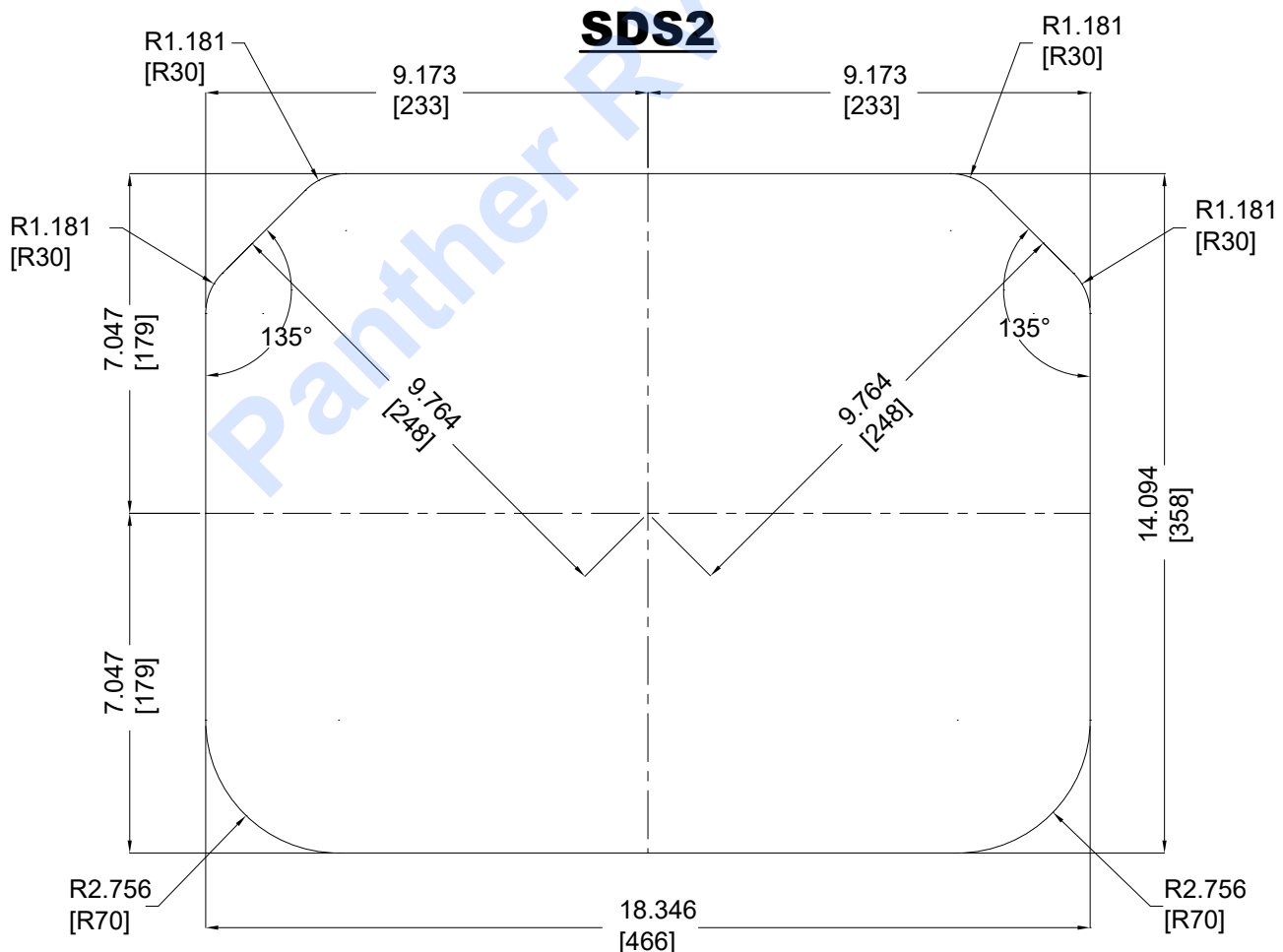


Figure 1A

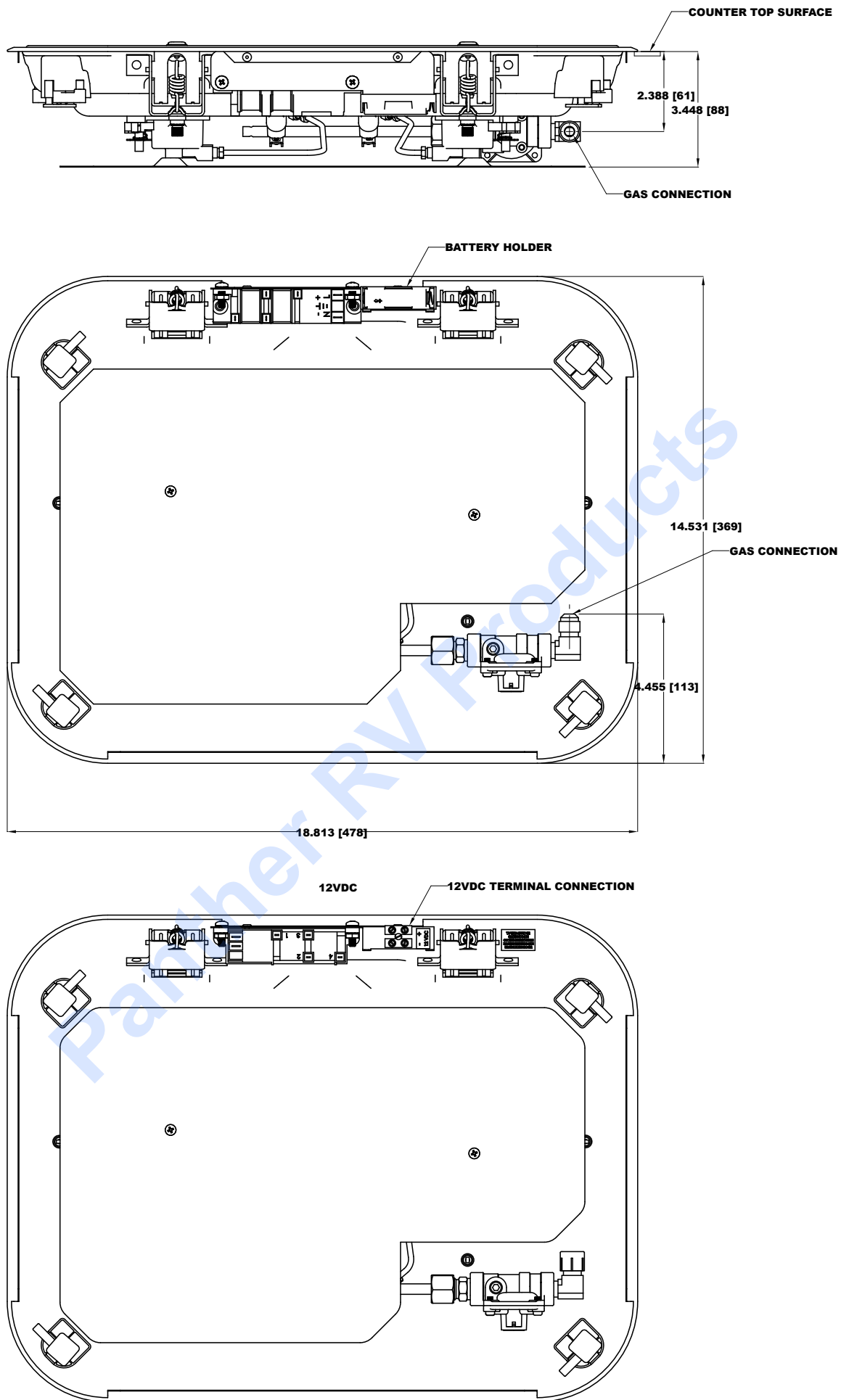


Figure 1B

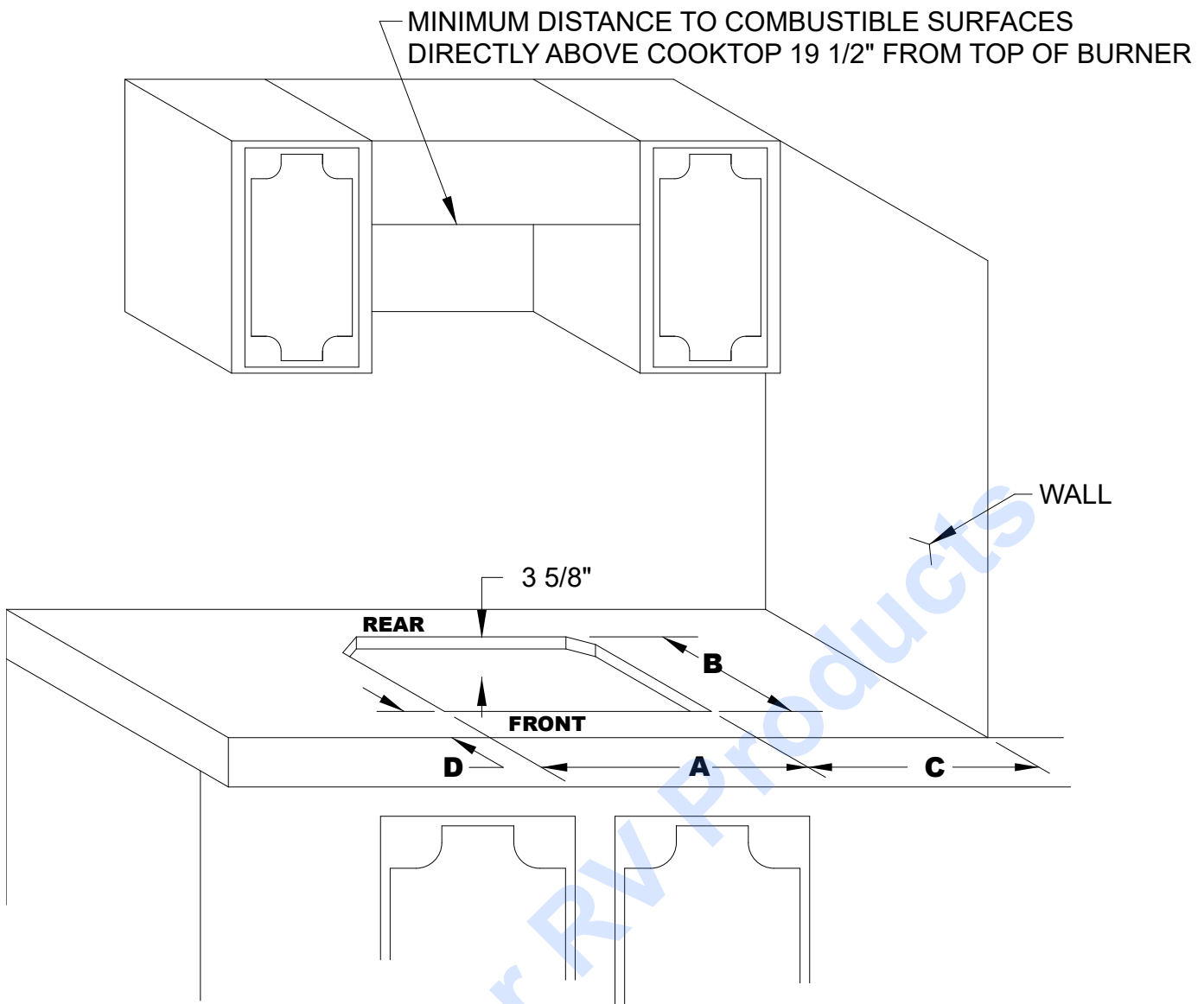


Figure 2

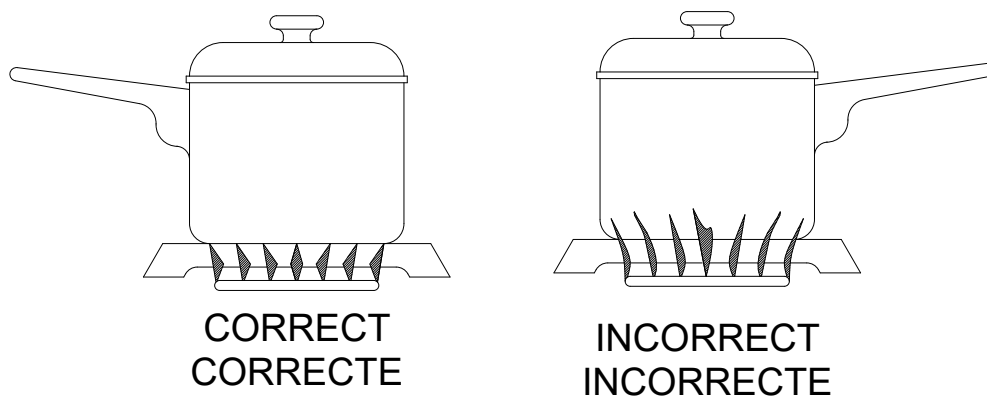


Figure 3

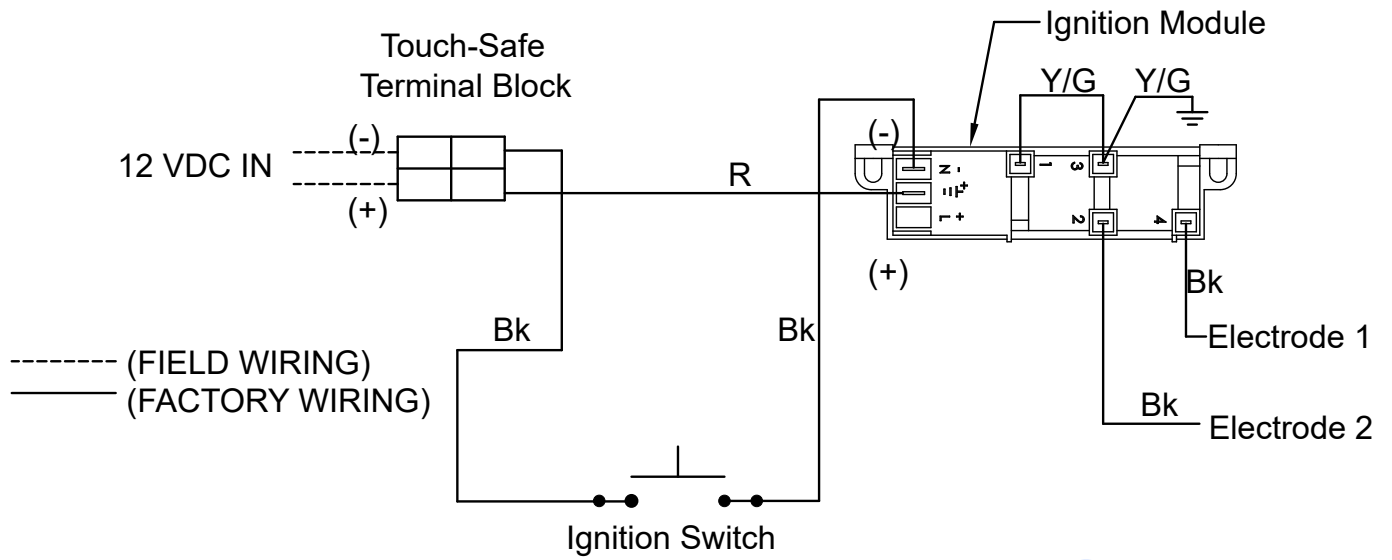


Figure 4

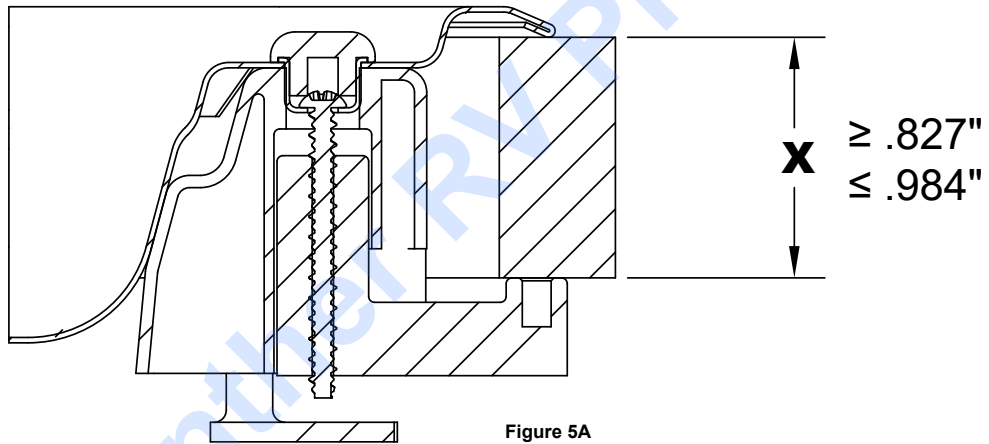


Figure 5A

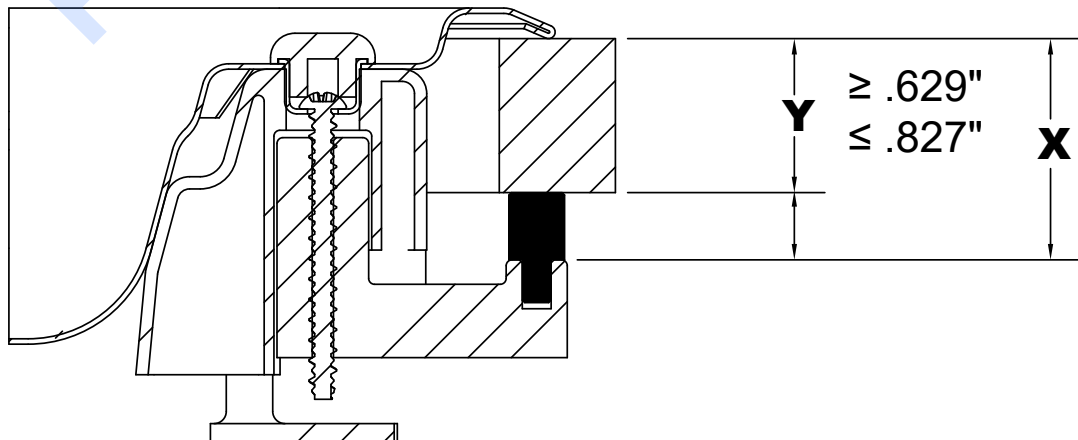


Figure 5B

LIMITED WARRANTY

SUBURBAN RECREATIONAL VEHICLE COOKING APPLIANCE

TWO YEAR LIMITED WARRANTY

This Suburban product is warranted to the original purchaser to be free from defects in material and workmanship under normal use and maintenance for a period of two years from date of purchase whether or not actual use begins on that date. All porcelain parts, including top burner grates, are warranted as commercially acceptable only as of the date the product was manufactured. **It is the responsibility of the consumer/owner to establish the warranty period. Suburban does not use warranty registration cards for its standard warranty. You are required to furnish proof of purchase date through a Bill of Sale or other payment records.**

Suburban will replace any parts that are found defective within the first two years and will pay a warranty service allowance directly to the recommended Suburban Service Center at rates mutually agreed upon between Suburban and its recommended service centers. Replacement parts will be shipped FOB the shipping point within the Continental United States, Alaska and Canada to the recommended service center performing such repairs. All freight, shipping and delivery costs shall be the responsibility of the owner. The exchanged part or unit will be warranted for only the unexpired portion of the original warranty. Before having warranty repairs made, confirm that the service agency is a recommended service center for Suburban. **DO NOT PAY THE SERVICE AGENCY FOR WARRANTY REPAIRS; SUCH PAYMENTS WILL NOT BE REIMBURSED.** Suburban reserves the right to examine the alleged defect in the cooking appliance or component parts, and it is the owner's obligation to return the cooking appliance and/or component parts to Suburban or its representative. When returning a cooking appliance, it must include all component parts and the serial number plate. Returned component parts must be individually tagged and identified with the cooking appliance's model number, serial number and date of installation.

For warranty service, the owner/user should contact the nearest recommended Suburban Service Center, advising them of the model and serial numbers (located underneath the main top) and the nature of the defect. Transportation of the RV to and from the Service Center and/or travel expenses of the Service Center to your location is the responsibility of the owner/user. A current listing of recommended service center may be obtained from Suburban's website: www.Airxcel.com. If you cannot locate a recommended service center locally, the service agency chosen to perform warranty repairs must contact our Service Department at 423-775-2131 for authorization before making repairs. Unauthorized repairs made will not be paid by Suburban.

LIMITATION OF WARRANTIES

ALL IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY) ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH EACH LIMITED WARRANTY IS GIVEN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER OR OTHER PERSON WHOMSOEVER.

SUBURBAN WILL NOT BE RESPONSIBLE FOR:

1. Normal maintenance as outlined in the installation, operating and service instructions owner's manual including cleaning of component parts and cleaning or replacement of the burner orifice.
2. Initial checkouts and subsequent checkouts which indicate the cooking appliance is operating properly, or diagnosis without repair.
3. Damage or repairs required as a consequence of faulty or incorrect installation or application not in conformance with Suburban instructions.
4. Any damage (cracks, chips, scratches, etc.) to any painted or porcelain enamel parts.
5. Failure to operate due to loose or disconnected wires; water or dirt in controls, fuel lines and gas tanks; improper gas pressure; low voltage.
6. Cleaning or adjustment of components; electrode, burner tube
7. Costs incurred in gaining access to the cooking appliance.
8. Parts or accessories not supplied by Suburban.
9. Freight charges incurred from parts replacements.
10. Damage or repairs needed as a consequence of any misapplication, abuse, unreasonable use, unauthorized alteration, improper service, improper operation or failure to provide reasonable and necessary maintenance.
11. Suburban products whose serial number has been altered, defaced or removed.
12. Suburban products installed or warranty claims originating outside the Continental U.S.A., Alaska, Hawaii and Canada.
13. Damage as a result of floods, winds, lightning, accidents, corrosive atmosphere or other conditions beyond the control of Suburban.
14. Any special, indirect or consequential property, economic or commercial damage of any nature whatsoever.

Some states do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

NO REPRESENTATIVE, DEALER, RECOMMENDED SERVICE CENTER OR OTHER PERSON IS AUTHORIZED TO ASSUME FOR SUBURBAN MANUFACTURING COMPANY ANY ADDITIONAL, DIFFERENT OR OTHER LIABILITY IN CONNECTION WITH THE SALE OF THIS SUBURBAN PRODUCT.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IF YOU HAVE A PRODUCT PROBLEM

FIRST: If your RV has its original cooking appliance and is still under the RV manufacturer's warranty, follow the steps suggested by your dealer or manufacturer of the RV.

SECOND: Contact a conveniently located recommended Suburban Service Center. Describe to them the nature of your problem, make an appointment, if necessary, and provide for delivery of your RV to the selected service center.

THIRD: To obtain information on locating a local service agency, contact:
AIRXCEL, Inc., Suburban Division
Customer Service Department
676 Broadway Street
Dayton, Tennessee 37321
(423) 775-2131, Ext. 7101
www.Airxcel.com

FOR FUTURE REFERENCE, YOU SHOULD RECORD THE FOLLOWING INFORMATION:

MODEL NUMBER: _____

SERIAL NUMBER: _____

STOCK NUMBER: _____

DATE OF PURCHASE: _____

