

INSTALLATION, OPERATION AND SERVICE MANUAL



RECREATIONAL VEHICLE DROP-IN COOKTOPS

Models
SDN2 • SDN3



FOR YOUR SAFETY

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

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 START THE VEHICLE'S ENGINE OR ELECTRIC GENERATOR.
- 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.

INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

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.



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INTRODUCTION

1. Your Drop-in Cook top has been certified by CSA for the U.S.A. and Canada for use with LP/Propane gas only.
2. Your cook top is one of the following models: SDN2 or SDN3.
3. Model number letter designation:
S - Suburban
D - Drop-in
N - New design
- Number of burners
4. The complete model, serial number and stock number are located on the CSA label located under the top. This information will be needed when servicing appliance or ordering parts. Record the information below 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.

Model No. _____ Stock No. _____

Serial No. _____ Date of Purchase _____

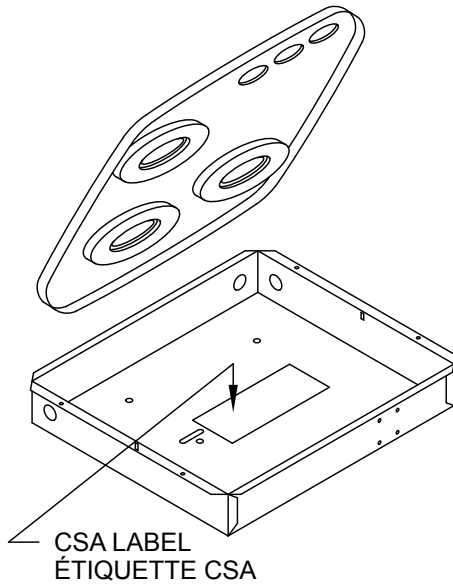


Figure 1

5. The cook top is designed certified for use with LP/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
- In Canada, the installation must be in accordance with:
 - a. Standard CAN/CSA 240.4.2-08, Installation Requirements for Propane Appliances and Equipment in Recreational Vehicles.
 - b. Any applicable local codes and regulations
2. Minimum clearances from combustible walls above and below counter:

Models	Below Counter	Center of Burner Head(s) to adjacent vertical combustible material above the cooking surface burners.		
	Sides, Rear and Bottom	Right Sidewall	Left Sidewall	Backwall
SDN2	0"	5 7/8"	5 7/8"	8"
SDN3	0"	5 5/8"	6"	8"

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

Model	Dimensions				
	A	B	C*	D*	E
SDN2	16 3/8	11 5/8	2 3/16	3/4" min.	18"
SDN3	18 15/16	16 1/8	2 1/16	2 3/8" min.	21"

*Minimum acceptable spacing between adjacent models is 3 inches.

WARNING: Installation of cook top cannot be such that the user is required to reach over any of the burners to reach the knobs.

4. Before placing drop-in cook top into cabinet, determine which one of the three knockout openings in the burner box (left side, right side or rear) will be used for routing of the gas supply tubing to the pressure regulator. After making selection, knockout the 1 inch plug. Place drop-in cook top into the prepared opening and secure to cabinet with four (4) wood screws. (Not provided)

5. Route gas line through opening in burner box and connect the gas line to the 3/8" flare fitting inside the burner box. Place nylon bushing over gas line and insert bushing into opening in burner box.

CAUTION: Gas supply tubing within the confines of the appliance connection shall be rigid or semi-rigid metallic tubing.

6. Be sure all openings in the cabinetry around the gas line are sealed at time of installation.

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.

7. Be sure burner knobs are in "off" position. Turn on gas supply. Check all connections for leaks.

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 must be disconnected from the gas supply piping system during any pressure testing of that system at test pressure in excess of 1/2 PSIG.

8. Remove the top and the grate(s) from their packing - Install the grate(s) on the top.
9. Position the top over the burners and secure in place with two (2) thumb screws and two (2) nylon washers provided.
10. Your Suburban Drop-in Cook top is now ready for operation. Before operating, read the safety information and operating instructions contained in this manual.
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 b 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 sa no more than 60 lbs. can be put on the counter top.
- c. The surface material for the counter tip must be rated for a minimum of 200° F continous coperation temperature with the maximum weight applied.
- d. Minimum clearances from combustibile 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.

SAFETY INFORMATION

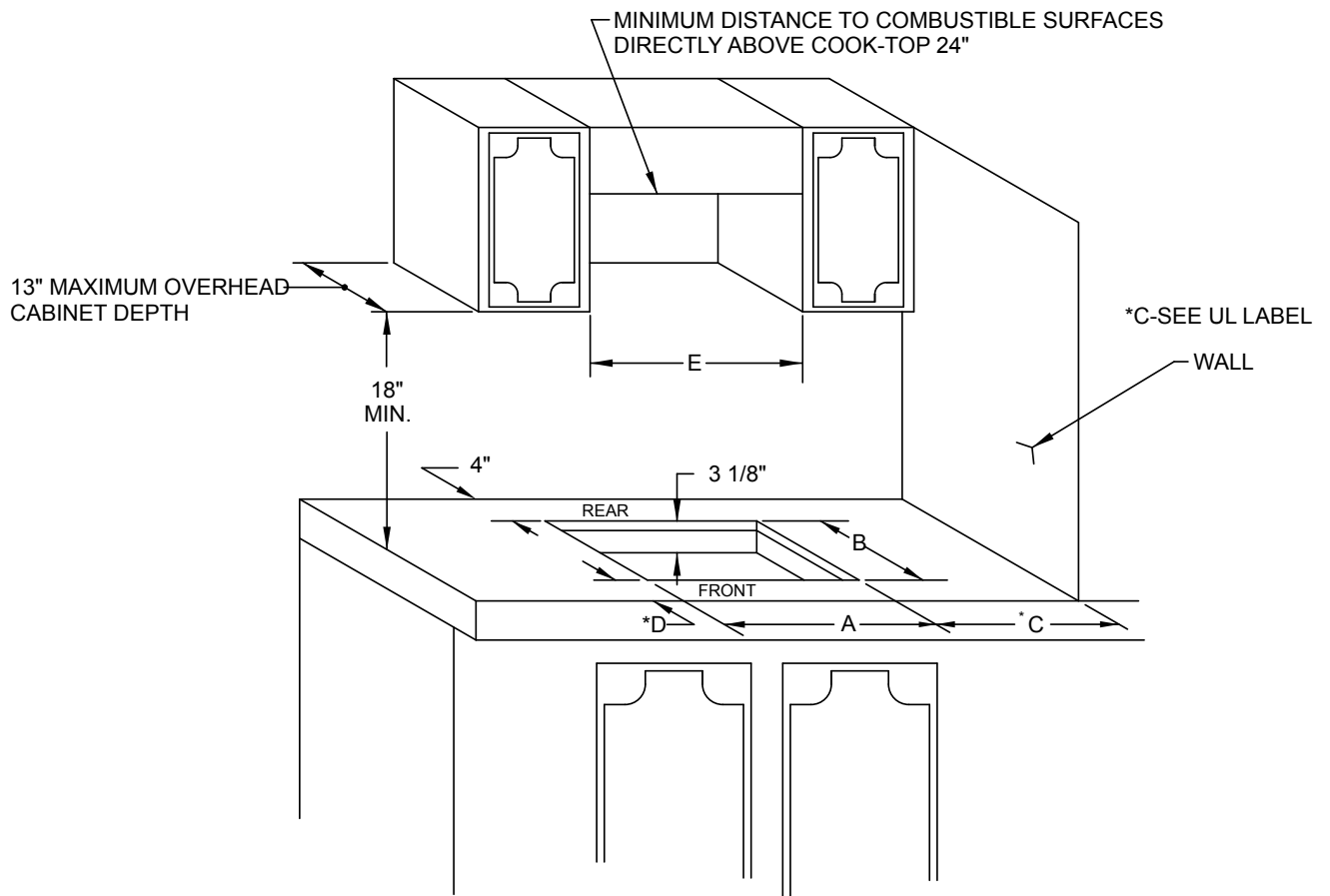


Figure 2

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. 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.
7. 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.
8. 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.
9. 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.
10. Never heat an unopened container. Pressure build-up within the container can cause it to explode.
11. Keep cook top clean. The build-up of grease and food boil-over and/or spillage can create a fire hazard.
12. 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.)

13. 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.
14. 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.
15. Never leave top burner(s) unattended.
 - a. For such reasons as down drafts that could be created by opening and closing of cabinet doors or doors within the RV or by positive or negative air pressures affecting burners due to improper installation. (See paragraph 6 under Installation.) The burner could extinguish resulting in gas escaping into the RV. Remember, gas to burners is controlled manually, you must turn gas "ON and "OFF".
 - b. A boil over could occur and the spill could ignite.
16. Flame size
 - a. Never extend the flame beyond the outer edge of the utensil. A higher flame simply wastes heat and energy.
 - b. Correct flame size is determined by utensil size and material, what you are cooking and whether or not you are cooking with liquid.
17. 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, especially the high input burner (if equipped), 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

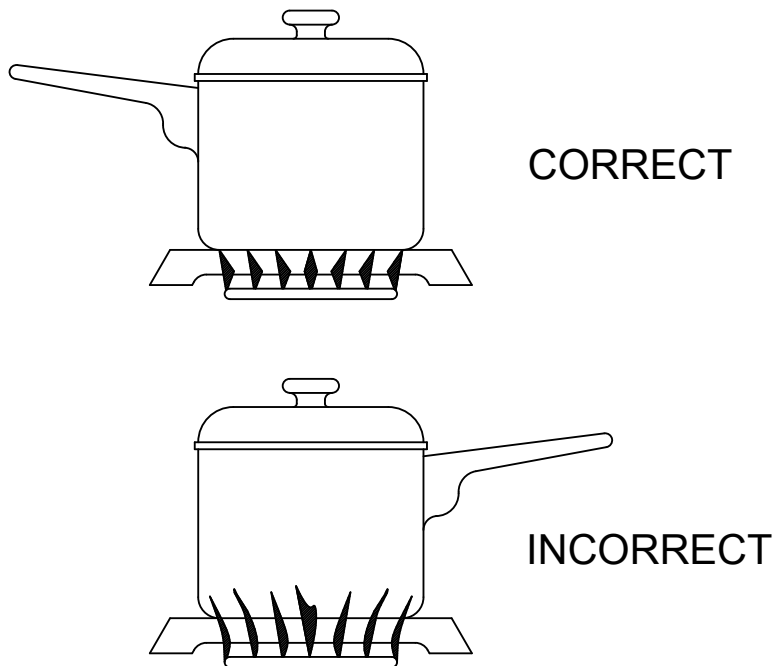


Figure 3

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

2. Depress knob and turn fully counter-clockwise to "Lite" 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 LP 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.**

c. Immediately light burner by holding a long match near the burner ports.

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. Make sure all controls are "OFF" and the drop-in cook top is cool before cleaning.

2. Make sure that all cook top surfaces, burner grates and burners are cool before cleaning or disassembling cook top.

3. Do not use oven cleaners, bleach or rust removers on the cook top or burner grates.

4. Do not obstruct the flow of combustion and ventilation air.

5. Clean all surfaces as soon as possible after boil overs or spill overs.

6. 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.

7. Do not use steel wool or abrasive cleaners. They will damage your drop-in cook top. Use only non-abrasive plastic scrubbing pads.

8. 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.

9. Do not wash warm porcelain surfaces. Allow these areas to cool before cleaning. You could burn yourself or the porcelain could crack.

10. Pitting and discoloration will result if spills are allowed to remain for any length of time on stainless steel.

11. 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.

12. 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.

TO REMOVE THE STOVE TOP

1. Remove the two (2) thumb screws from the sides of the stove top. Lift the stove top clear of the burner box.

2. To reinstall top, reverse the procedure.

TO REMOVE GRATE(S)

1. Remove the top.

2. Squeeze opposite sides of the grate together and lift free of the drop-in top.

3. To reinstall grate(s) reverse the procedure.