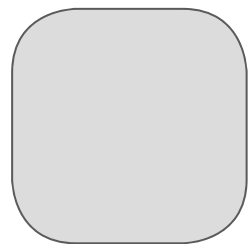
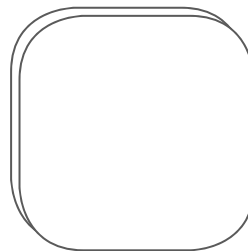
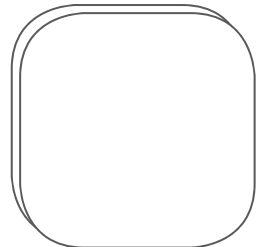
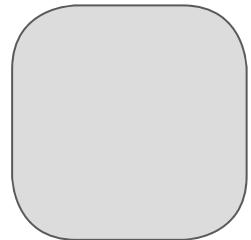
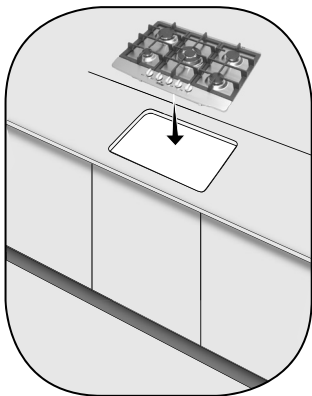


St George

Gas Cooktops

Installation Leaflet



Model No's

5567800 5 burner gas cooktop

5566800 4 burner gas cooktop

5567100 5 burner gas cooktop with flame failure

5566010 4 burner gas cooktop with flame failure

Safety Precautions

Before connecting to gas, ensure the cooktop is suited to the gas type required.

This cooktop shall not be installed on a boat or marine environment. This appliance shall not be used as a space heater.

This appliance must be installed by a qualified and competent person in accordance with the gas installation code AS 5601, SAA Wiring Rules, as well as the requirements of all local statutory and building authorities and regulations. The manufacturer does not accept any liability for any damage or injury caused by improper installation.

Instruct The Customer

When satisfied that the cooktop has been installed and is operating correctly, instruct the customer in its safe operation. Ensure the customer understands fully by having them operate the cooktop.

This booklet must be left with the consumer.

Before Installation

Ensure Suitability Of Location

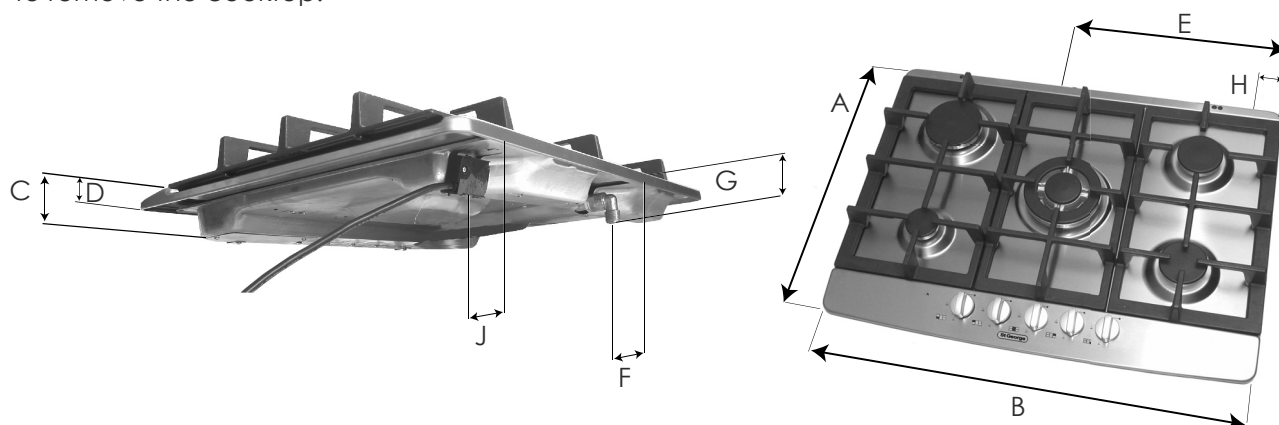
Before making any alterations to kitchen cabinetry, you should ensure that the proposed location for the cooktop is suitable:

Electrical supply: there must be an earthed 240V 50 Hz 10Amp power socket within reach of the supplied electrical cable (approximately 850mm from the rear right of the cooktop). The power socket must be readily accessible without having to remove the appliance. If a power socket needs to be installed or relocated, the work must be done by a licensed electrician.

Cabinetry: We recommend that the adjacent kitchen surfaces be capable of withstanding temperatures of 100°C, and that the cabinetry can support the weight of the cooktop plus filled cooking utensils. If necessary, check with the bench top supplier that the material is suitable. St George Appliances will not be liable for heat damage to incorrectly specified materials.

Clearances: Ensure there is sufficient room to install the cooktop with all required clearances as specified on the next page.

Gas Supply: Ensure that it is possible to run gas lines to the gas connection point of the appliance. The gas connection point must be accessible without having to remove the cooktop. If a flexible hose is used, the connection point must also be accessible without having to remove the cooktop.



Dimensions	4 burner models	5 burner models
A - Depth	512 mm	512 mm
B - Width	595 mm	685 mm
C - Overall Height	45 mm	45 mm
D - Height above benchtop	19 mm	19 mm
E - Gas connection point to right edge	362 mm	395 mm
F - Gas connection point to back edge	41 mm	41 mm
G - Gas connection point to top surface of hob	62 mm	62 mm
H - electrical junction (start of 1.4 metre power cable) to right edge	28 mm	71 mm
J - electrical junction to back edge	62 mm	62 mm

Check Gas Type

Check that the gas type (ULPG or Natural Gas) available in the building matches the gas type of the cooktop, as shown on the gas type sticker.

If the cooktop is suited to the incorrect gas type, it is possible to perform a gas conversion. This is explained later in this manual.

Before Installation

Clearances

Overhead Clearances

- Rangehoods and overhead exhaust fans must be installed with at least the clearances recommended by the manufacturer's instructions, but in all cases the clearance from the top of the highest burner to a rangehood must be at least 650mm, and to an exhaust fan must be at least 750mm.
- Allow at least 650mm clearance between the top of the highest burner and any overhead cabinetry that is made of combustible material.
- If the overhead cabinetry is made of non-combustible material such as tiles, the overhead clearance must be at least 450mm.

Side And Back Clearances From Combustibles

The clearance from combustible materials (including walls, cupboards and curtains) must be at least 200mm as measured from the far edge of the burners. For each model, this equates to the following measurements from the edge of the cutout:

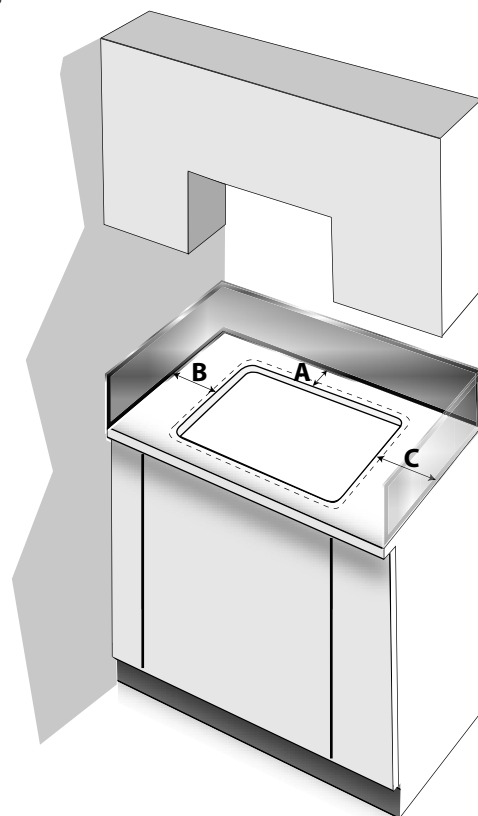
Clearance from cutout to combustible wall	600mm models	700mm models
A - back edge to back wall	120 mm	130 mm
B - left side edge to left side wall	165 mm	185 mm
C - right side edge to right side wall	125 mm	170 mm

Side And Back Clearances From NON-Combustibles

If the wall is made of non-combustible material, the required clearance is only 10mm all around the perimeter of the cooktop. For each model, this equates to the following measurements from the edge of the cutout:

Clearance from cutout to NON-combustible wall	600mm models	700mm models
A - back edge to back wall	20 mm	20 mm
B - left side edge to left side wall	30 mm	75 mm
C - right side edge to right side wall	30 mm	75 mm

A combustible wall can be protected with non-combustible material such as 5mm thick ceramic tiles, as long as this protection is at least 150mm high, and extends for the full width and depth of the cooktop.

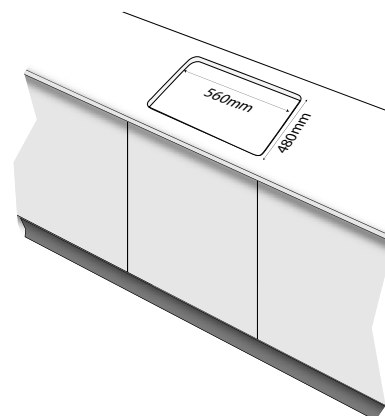


Installation Details

Create Cutout In The Benchtop

The required cutout dimensions are as shown in the diagramme, Ensure all cutouts are neat and square, and as close to the nominal dimensions as possible. A tolerance of around +/- 2mm is allowed for.

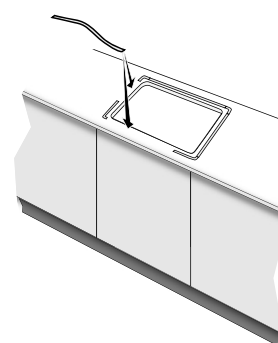
We recommend sealing the cut edges of the benchwork with a moisture proof paint to prevent future deterioration to the benchtop material.



Lay The Rubber Seal

Rubber sealing material has been provided to help seat the edges of the cooktop neatly onto the benchwork.

The cooktop must not be bonded to the benchwork with any adhesive or permanent sealant, as this will prevent future servicing and maintenance work to be carried out.

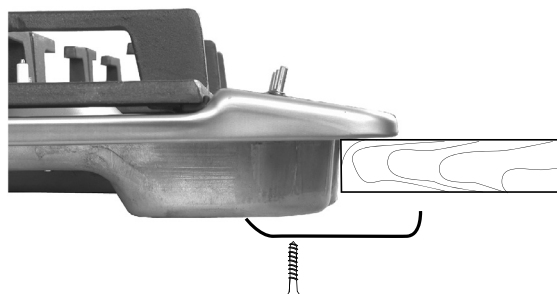
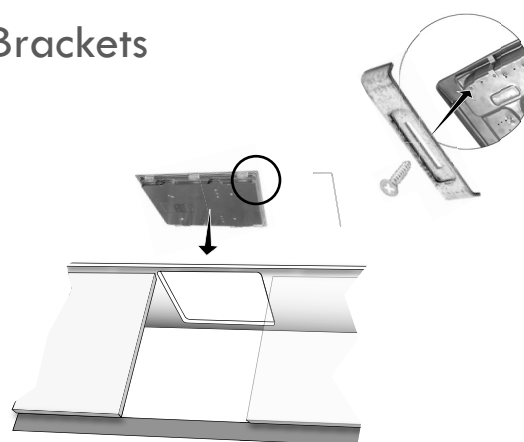


Instal The Cooktop and Secure With Brackets

Remove all packing material and literature from the cooktop.

Lower the cooktop into the cutout. Use the 4 brackets and screws supplied to secure the cooktop into the cabinetry.

The brackets are designed to clamp the cooktop to a bench with thickness between 20mm and 50mm. If the benchtop is thicker than 50mm, cut a recess into the underside of the benchtop to a thickness of 50mm or less.



Attach The Duplicate Data Label

Once the cooktop is in position, attach the duplicate data label to a visible surface adjacent to the cooktop, so that appliance details can readily be seen for future maintenance.

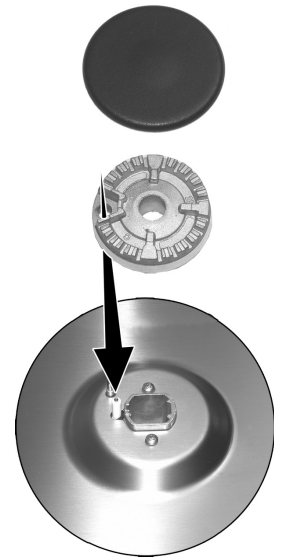
Installation Details

Attach The Burner Head And Burner Cap

Place the correct burner head on each burner, ensuring that each head is seated securely, and rotation is not possible.

- When seating the small, medium and large burner heads ensure the hole near the outer edge of the burner head goes over the igniter electrode.
- When seating the wok burner head, position the burner head so that the raised tracks underneath the head locate into the four channels on the hob (situated in the 12 o'clock, 3 o'clock, 6 o'clock and 9 o'clock positions.)

Place a burner cap on each burner head, as well as the outer ring on the wok burner. The caps are positioned correctly when they can rotate, but cannot move from side to side.



Connect The Gas

For gas appliances, the final gas connection must be made using a flexible hose or annealed copper tubing of sufficient length to permit the insertion and removal of the appliance. The gas Inlet fitting is ½ " BSP (male) thread.

If a flexible hose is used.

Install with a hose assembly that complies with AS/NZ1869 (AGA approved). 10mm ID class B or D. and in accordance with AS5601. This hose must not exceed 1.2m in length. Ensure that the hose does not contact the hot surfaces of the hotplate, oven, dishwasher or any other appliance that may be installed underneath or next to the cook top. The hose should be positioned so that it does not interfere with drawers or other moving parts, and so that it is not subjected to abrasion, kinking, or permanent deformation. The hose should be able to be inspected along its entire length. Unions compatible with the fittings must be used and all connections must be tested.

A restraining wire or chain of adequate strength is to be fixed to the appliance and the wall within 50mm of each connection point. The length of the chain or wire is not to exceed 80% of the length of the hose assembly.

Connecting The Regulator or Test Point Adaptor

For natural gas installations, use only the regulator supplied with the cooktop. ULPG installations that have pressure control regulators at the supply cylinder do not require a separate appliance regulator. However, a test point adaptor must be connected to the gas inlet of the cooktop to enable gas pressure measurement at the appliance.

It is essential that the regulator on the appliance be held firmly with a spanner when connecting the supply. Do not overtighten. The regulator must not be connected to the appliance or the gas supply without thread sealant/ lubrication as a dry connection may permanently bind the threads.

It is recommended that an isolating valve and union be fitted in an accessible location, to enable simple disconnection for servicing, without having to remove the appliance.

Pressure Testing

First turn the gas off to the appliance. Remove the sealing screw from the test point and attach the hose of a manometer to it. Turn the gas on to the appliance and light the wok burner and medium burners at their maximum setting. Check the pressure and adjust at the regulator if necessary to the following settings:

NG Pressure	1 kPa / 4" WC
ULPG Pressure	2.75 kPa / 11" WC



Make Electrical Connection

When routing the flexible cord of the cooktop, no part of the cord may be subject to direct heat. After installation of the cooktop, the cord must be positioned so that its temperature does not exceed 75°C, and so that it does not come into contact with any metal objects.

This appliance must be adequately earthed. If the cooktop does not have a plug, it must be connected by means of a special power cord, which must be suitably earthed. In particular: The cooktop must be connected to the mains via a bipolar switch which has at least 3mm clearance between contacts.

All electrical work must be done by a licensed electrician.

Check For Leaks

Once the appliance is installed, conduct a full gas soundness check according to the requirements of AS5601. Whenever any change to the installation is made that may affect gas soundness (eg adjustments involving any disconnection and reconnection), then follow the following leak test procedure. *Never use a naked flame to check for gas leaks.*

- In a small container, mix up a solution of water and detergent or soap. Mix the solution well.
- Make sure that the gas supply is turned on. Turn off all gas control valves on the appliance.
- Using a brush or spray bottle, apply the solution to the gas line and each joint in the gas line, including any flexible hosing and regulator.

Bubbling of the solution will indicate that there is a leak present. Re-tighten or re-seal any joints that are leaking. If a leak persists contact the manufacturer for assistance.

Check Igniter Operation

The ignitor for each burner is activated by pressing down on the control knob. The ignition system must be checked for all burners individually and in combination. Some models have flame failure safeguards for each burner. The visible thermocouple probes need to be within the flame to allow the thermocouple to heat up and allow the gas valve to remain open.

Check that the igniter for each burner successfully ignites the gas and that the burner remains alight. If an igniter fails to work or a burner fails to remain alight, first remove the plug from the electrical power outlet, and then check that all the electrical connections are in place. Ensure the burner head is sitting correctly with the electrode neatly within the hole near its circumference.

If the cooktop fails to operate correctly, call St George Appliances or their appointed agent for service. Do not attempt to repair this situation yourself.

Check Burner Operation

Light each burner and check for a clear blue flame. Occasional yellow tipping is acceptable. Sometimes burners may not ignite immediately and may seem to "blow" slightly when they do ignite. This is usually due to air in the gas line, which needs to be purged.



Good crisp blue flame.



Excessive yellowing, usually due to insufficient oxygen



Excessive lift off, usually due to pressure too high



Gas Conversion

Change The Injectors

Ensure all gas is switched off and preferably disconnected from the appliance. Ensure electrical power has been disconnected. Remove the burner head and cap from each burner. Using a 7mm socket, undo the injector from each burner and replace the correctly rated injector as shown in the following table:



	Natural Gas		ULPG	
	Injector	Gas Rating	Injector	Gas Rating
Wok burner	1.7 mm	14.0 MJ/hr	.97 mm	13.0 MJ/hr
Large burner	1.4 mm	10.0 MJ/hr	.90 mm	12.0 MJ/hr
Medium burner	1.1 mm	6.4 MJ/hr	.69 mm	6.3 MJ/hr
Small burner	.90 mm	4.0 MJ/hr	.53 mm	3.6 MJ/hr

Connect The Appropriate Regulator

For natural gas installations, use only the regulator supplied with the cooktop. ULPG installations that have pressure control regulators at the supply cylinder do not require a separate appliance regulator. However, a test point adaptor must be connected to the gas inlet of the cooktop to enable gas pressure measurement at the appliance.

Change The Gas Type Sticker

Replace the gas type sticker on the cooktop to indicate the correct gas type:

- | | |
|-----------------|--|
| For Natural Gas | Black text on white background "ONLY FOR USE WITH NATURAL GAS" |
| For ULPG | Black text on white background "ONLY FOR USE WITH U-LPG" |

Check Turn Down Settings And Adjust If Necessary

Turn each burner control knob to the minimum setting. The flame should still be visible above the burner cap. In particular, it is most important that the minimum flame is not able to be extinguished by air draughts.

If the flame is too small or too large, remove the burner control knob. Insert a small flat blade screwdriver into the hole in the middle of the valve spindle. If the screwdriver is not long enough, it may be necessary to expose the valve (see "Basic Servicing" next page). To increase the flame, turn the adjusting screw anticlockwise. To decrease the flame, turn the adjusting screw clockwise. Adjust for a minimum, stable and clear flame.

Reassemble the cooktop, ensuring that burner heads are seated correctly.



Basic Servicing

Removing The Hob

Ensure all gas and electricity is completely disconnected from the appliance, and all components have cooled down from any previous use.

Remove the trivets, burner caps and burner heads.

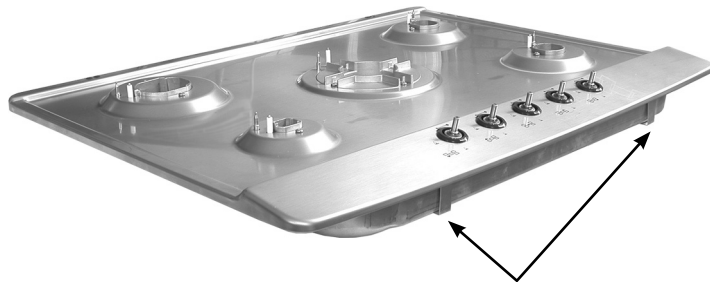
Remove the burner control knobs, the brass rings and the plastic surrounds.

Undo the screws adjacent to each burner. There should be two screws associated with each of the small, medium and large burners, and four screws with the wok burner.

Undo the two screws under the front of the cooktop, which hold two securing tabs.

Carefully lift the hob from the main cooktop chassis, being careful not to damage the ignitor probe or thermocouple (some models only).

Reverse the process to reassemble.



Remove screws from under the front of the cooktop, as well as those around each burner.

Exposing The Valve

First, remove the hob as explained above.

Remove the e-clip from the valve spindle, and then lift the ignition lever off the spindle.

Undo the two screws which secure the valve spindle from the valve body. Ensure the spring does not get lost or misplaced in this process.

Servicing such as lubricating the valves or adjusting the turn down setting should only be carried out by an authorised service agent.

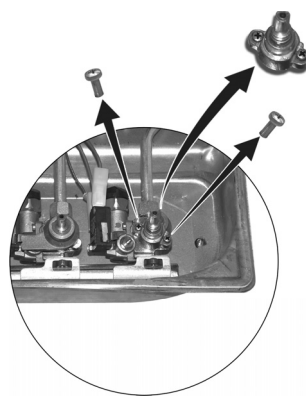
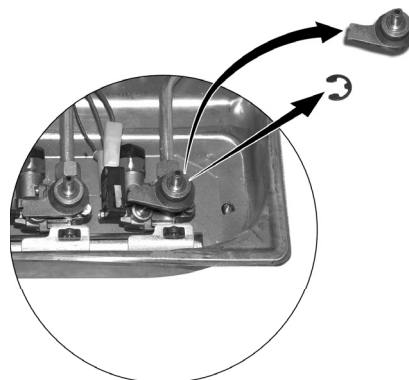
Replace the valve spindle, ensuring the spring is properly seated inside the spindle, and the two screws are secured but not overtightened.

Replace the ignition lever, ensuring it sits directly above the stainless steel tab on the electronic igniter box.

Secure with the e-clip.

Before replacing the hob, perform a leak test on all valves which have been disassembled.

Replace the hob as described above.



Replacing Parts

All parts including valves, manifolds, burners and electronic components are fully accessible once the hob is removed.

All service work including parts replacement should only be carried out by authorised service agents. Only genuine St George Appliance parts should be used.