Installation instructions - Gas Cooktop Models

Please follow the installation steps below to ensure your gas cooktop operates correctly.

Dimensions and clearances

Installation clearances and protection of combustible surfaces shall comply with the current local regulations eg. AG 601 (AS 5601/NZS 5261) Gas Installations code. Installation shall comply with the dimensions in Fig. 1, bearing in mind the following requirements:

Overhead Clearances

In no case shall the clearance above the highest part of the cooker be less than 600 mm or, for an overhead exhaust fan, 750 mm. All other downward-facing combustible surfaces less than 600 mm above the cooker surface shall be protected for the full width of the cooking surface in accordance with the standards noted above.

In no case shall the clearance be less than 450 mm.

Rear and Side Clearances

Where the distance from the periphery of the nearest burner to any vertical combustible surface is less than 200 mm, the surface shall be protected in accordance with the standards to a height of not less than 150 mm above the cooking surface for the full width or depth of the cooking surface.

Where the distance from the periphery of the nearest burner to any horizontal combustible surface is less than 200 mm, the horizontal surface shall be more than 10 mm below the surface of the cooking surface, or the horizontal surface shall be above the trivet (see requirements for vertical combustible surfaces above).

Protection of combustible surfaces

The standards above specify that, where required, protection shall ensure that the surface temperature of the combustible surface does not exceed 65°C above room temperature. Do not install the cooker near flammable materials (eg curtains).

If you stand the cooker on a pedestal, make sure you provide safety measures to keep it in place.
Gas Cooktop Models

Levelling the cooker

Using the supplied adjustable feet is MANDATORY. For safety reasons and to ensure adequate ventilation, the cooker chassis MUST NOT sit directly on the floor, a plinth, or other support surface.

To fit the adjustable feet:

1. Rest the rear of the cooker on a piece of packaging, exposing the base for fitting the feet.
2. Screw the four feet to the cooker.
3. Stand the cooker and level it by screwing or unscrewing the feet with an adjustable spanner. Use the supplied nuts if necessary. See Figs.
3a and 3b.

**Fig. 3a** Do not use the supplied nuts for height adjustments between 0 and 8 mm

**Fig. 3b** Use the supplied nuts for height adjustments between 8 and 15 mm
Fixing the backguard

(seven-function models only)

- Before installing the cooker, assemble the backguard “B”.
- The backguard “B” can be found packed at the rear of the cooker.

2. Remove the three screws “A” from the rear of the cooktop.
3. Assemble the backguard as shown and fix it by screwing the three screws “A”.

Fitting the anti-tilt bracket

(four-function models)

To restrain the appliance and prevent it tipping accidentally, fit a bracket to its rear to fix it securely to the wall. Make sure you also fit the supplied lock pin to the anti-tilt bracket.
To fit the anti-tilt bracket:

1. After you have located where the cooker is to be positioned, mark on the wall the place where the two screws of the anti-tilt bracket have to be fitted. Please follow the indications given in Fig.5a.

2. Drill two 8 mm diameter holes in the wall and insert the plastic plugs supplied.

3. Loosely attach the anti-tilt bracket with the two screws supplied.

4. Move the cooker to the wall and adjust the height of the anti-tilt bracket so that it can engage in the slot on the cooker’s back, as shown in Fig.5a.

5. Tighten the screws attaching the anti-tilt bracket.

6. Push the cooker against the wall so that the anti-tilt bracket is fully inserted in the slot on the cooker’s back.

7. Access the bracket and fit the lock pin;
   - Remove the drawer (Fig. 5b).
   - Fit the lock pin through the bracket, as shown (Fig.5c).
   - Refit the drawer.
Fitting the anti-tilt bracket

(seven-function models)

To restrain the appliance and prevent it tipping accidentally, fit a bracket to its rear to fix it securely to the wall. Make sure you also fit the supplied lock pin to the anti-tilt bracket.

To fit the anti-tilt bracket:

1. After you have located where the cooker is to be positioned, mark on the wall the place where the two screws of the anti-tilt bracket have to be fitted. Please follow the indications given in Fig.6a.
2. Drill two 8 mm diameter holes in the wall and insert the plastic plugs supplied.
Before drilling the holes, check that you will not damage any pipes or electrical wires.

3. Loosely attach the anti-tilt bracket with the two screws supplied.

4. Move the cooker to the wall and adjust the height of the anti-tilt bracket so that it can engage in the slot on the cooker’s back, as shown in Fig.6a.

5. Tighten the screws attaching the anti-tilt bracket.

6. Push the cooker against the wall so that the anti-tilt bracket is fully inserted in the slot on the cooker’s back.

7. Access the bracket and fit the lock pin;
   • Remove the drawer (Fig. 6b).
   • Fit the lock pin through the bracket, as shown (Fig.6c).
   • Refit the drawer.

Fig. 6b Removing the drawer
Fig.6c Fit the lock pin through the bracket

Connecting the cooker to the gas supply

- The gas connection must be carried out by an authorised person according to the relevant standards.
- Before connecting the appliance to the gas main, mount the brass conical adaptor onto the gas inlet pipe, upon which the washer has been placed (see Figs. 7-8 following).
- Conical adaptor and washer are supplied with the appliance (packed with conversion kit for use with Natural gas or LPG).
- This appliance is suitable for use with Natural gas or LPG. (Check the “gas type” sticker attached to the appliance).
- For Natural gas, connect the gas supply to the gas pressure regulator which is supplied with the appliance (Fig.8). Adjust the regulator to obtain a test point pressure of 1 kPa with the two semi-rapid burners operating at the maximum.
- For LPG, connect the gas supply to the test point adaptor which is supplied with the appliance (Fig.7). Ensure that the supply pressure is regulated to 2.75 kPa.
- The connection must be made at the rear of appliance (left or right); the pipe is not to cross the cooker.
- Close off the unused inlet with the cap and sealing washer supplied (Fig. 10).

Use two spanners to tighten or loosen the connecting pipe (Fig. 9).

Installation with a flexible hose assembly

- If this appliance has to be installed with a hose assembly, the installer shall refer to the network operator or gas supplier for confirmation of the gas type, if in doubt.
• When used with a flexible hose, the connector on the wall should be between 450 mm to 500 mm from the floor and 200 mm to 300 mm from the left-hand side of the appliance as viewed from the front. The hose connection on the appliance shall face downwards.

Gas connection for LPG

- Gas inlet pipe
- Nipple
- Washer
- Brass conical adaptor (Thread tight: use suitable seal)
- Test point adaptor
- Test point

Gas connection for NATURAL GAS

- Gas inlet pipe
- Nipple
- Washer
- Test point
- Brass conical adaptor (Thread tight: use suitable seal)
- Gas pressure regulator

• It is important that the hose does not come in contact with the metal of the appliance and is secured as per appropriate gas installation codes. A chain 80% of the length of the flexible gas hose must be used to prevent stress being applied to the hose. The chain should be attached securely to the product where shown (see Fig.10), and on the wall.

• Flexible hose assemblies should be AS/NZS 1869 Class B or Class D certified. The thread connection shall be Rp 1/2” (ISO 7-1) male.
After connection the installer must check that the hose is not kinked, subjected to abrasion or permanently deformed. The installer must check also that the hose is not near (or in contact with) any hot surfaces.

- The hose assembly shall be as short as practicable and comply with relevant AS5601NZS5261 requirements.

Leak-testing and flame-testing the cooker

After installing the freestanding cooker and connecting the gas supply:

1. Using a suitable leak detection fluid solution, check each gas connection one at a time by brushing the solution over the connection. The presence of bubbles will indicate a leak. If there is a leak, tighten the fitting and then recheck for leaks.

   Do not use a naked flame to test for leaks.

2. Adjust the test point pressure or supply pressure to the value that is appropriate for the gas type.

3. Test the operation of the appliance:

   - Turn on the appliance gas controls and light each burner individually and in combination. Check for a well-defined blue flame without any yellow tipping. If any abnormality is evident, then check that the burner cap is located properly and the injector nipple is aligned correctly.

   - Check the minimum burner setting by quickly rotating the gas control knob from the maximum to the minimum position. The flame must not go out. If you need to adjust the setting, see 'Adjusting the minimum burner setting' following.

4. If satisfactory performance cannot be obtained, the installer shall check the installation and notify the local gas supply authority for a gas supply problem, or if it is an appliance problem, our Customer Service Centre should be called to obtain the nearest authorized Service Agent.
Converting to a different gas type

This appliance is suitable for use with Natural gas or LPG (check the “gas type” sticker attached to the appliance). To convert from one gas type to another, you need to replace the injectors, and then adjust the minimum burner setting.

Replacing the injectors

1. Remove the trivets and burners from the cooktop.

2. Using a spanner, remove the injector (shown in Figs. 11-12 following) and replace it with one according to the gas type (see the ‘Table for the choice of injectors’).

3. Fix the warning label (supplied with the conversion kit) at the back of the cooker, near the gas inlet connections. This label states that the gas cooktop has been converted for use with LPG/ Natural gas.

Adjusting the minimum burner setting

4. Follow the instructions on ‘Adjusting the minimum burner setting’.

- If you are converting the cooker from Natural gas to LPG, remove the gas pressure regulator before connecting the cooker to the gas supply and replace with the test point adaptor supplied with the conversion kit.
- If you are converting the cooker from LPG to Natural gas, remove the test point adaptor before connecting the cooker to the gas supply and replace with the gas pressure regulator supplied with the conversion kit.
The burners are designed so that regulation of primary air is not required.

Adjusting the minimum burner setting

Check whether the flame spreads to all burner ports when the burner is lit with the gas valve set to the minimum position.

If some ports do not light, increase the minimum gas rate setting. Check whether the burner remains lit even when the gas valve is turned quickly from the maximum to the minimum position. If the burner does not remain lit, increase the minimum gas rate setting.

To adjust the minimum gas rate setting:
1. Turn on the burner.

2. Turn the valve to the MINIMUM position.

3. Take off the knob.

4. Using a small flat screwdriver, turn the screw (see Figs. 13 or 14) to the correct regulation.

For LPG, the regulation screw is normally tightened up.
Fig. 14 Adjusting the minimum burner setting: seven-function models

Table for the choice of injectors

<table>
<thead>
<tr>
<th>Burner</th>
<th>Test Point Pressure [kPa]</th>
<th>Natural gas</th>
<th>LPG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary</td>
<td>1.0</td>
<td>0.85</td>
<td>3.60</td>
</tr>
<tr>
<td>Semi-rapid</td>
<td></td>
<td>1.12</td>
<td>6.30</td>
</tr>
<tr>
<td>Triple-ring wok</td>
<td></td>
<td>1.60</td>
<td>12.70</td>
</tr>
</tbody>
</table>

https://producthelp.fisherpaykel.com/nz/Cook/Freestanding_Cookers/Dual_Fuel/OR60SDBGFX2/User_Guide_OR60SDBGFX2...
Wiring diagram - Four-function models

[Diagram of Four-function models]

Wiring diagram - Seven-function models

[Diagram of Seven-function models]