



**Australian Barbeque Manufacturers Pty Ltd**

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## ***How do I replace my ignition box?***

### Tools required:

- Medium Phillips Screwdriver
- Medium adjustable spanner
- Pliers

### Method:

1. Remove plates & grills
2. Disconnect gas inlet line
3. Remove ¼" BSP M-M nipple
4. Remove control knobs (if stiff to remove, use a cloth underneath each control knob to pull them off evenly in a direction perpendicular to the fascia)
5. Unscrew ignition bezel and remove battery
6. Unscrew the M4 screws underneath the fascia at each side
7. Tilt the fascia panel out towards you at the bottom, then lift upwards
8. Fascia will be suspended from the manifold by ignition cables – disconnect cables at the ignition box
9. Replace ignition box, replace AA battery, screw bezel back into position on outside of fascia, reconnect cables
10. Test ignition now before reassembly
11. If problem not resolved, replace cables. Cables must be pressed onto spade terminals carefully to ensure that they do not suffer an invisible break inside the cable insulation where the spade terminal is crimped to the cable wire. Ensure all ignition probes have approx 4mm clearance between probe tip and the dimple on opposite side of collector box (the flexible panels that surround the probe tip)
12. Reassemble from step 7 backwards to step 1.

### Further Information:

The two most common causes of ignition box failure are:

1. Overheating.

The ignition boxes are rated for a maximum continuous service temperature of 80 degC. This temperature can be exceeded and the ignition box *will fail* if all burners are operated on or near the highest setting for a continuous period– such a setting



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will generate heat far in excess of what would be required even for high volume barbeque sessions.

It is important to *pre-heat the barbeque on low or medium-low* gas control settings, usually for 8 – 12 minutes. This allows an equilibrium temperature level to be reached without overheating or excessive gas consumption. From this level the cooking surface temperature can be very quickly and easily increased by small changes to the burner control settings. Warming up at low burner control settings prevents overheating if for any reason the barbeque remains unattended.

2. Water ingress into the battery casing causing corrosion.

Water can enter the battery casing in some circumstances by capillary action via the ignition bezel screw thread.

If the barbeque is not normally stored under an awning or roofed area, the best prevention is to protect the barbeque with an appropriate heavy-duty water-proof cover when it is not in use and as soon as it is cool enough to cover. Additional protection from water ingress can be provided by using a silicone seal around the bottom of the ignition bezel thread each time the battery is replaced.