



CAVITRON 300 ULTRASONIC SCALER

Serial number beginning 'G310'



Please note this troubleshooting guide is also relevant to the Cavitron Touch unit.

Warranty:

This unit has a 3 year warranty. The warranty is valid for normal usage conditions. Any modification or accidental damage will render the warranty void. For warranty claims you must submit your proof of purchase and you are entitled to a loan unit upon availability and request if your unit undergoes a repair.


Common Faults and what to do if you experience them:

Leaking:

1. Leaking from tip even when foot control is not activated is likely the water solenoid is worn. This would need to come into the Service Centre for repair.
2. Leaking from between Jetmate and handpiece lead. The O-ring on the handpiece lead could be worn the part number for this is 776030267.
3. Leaking from between Jetmate and Insert. The O-rings could be worn on the insert tips the part number is 62351 (pack of 12) and these come with an insert tool which must be used.
4. Water leaking from the back of the machine, check that the blue water hose is correctly installed, this can be checked by gently tugging the hose to make sure its secure prior to attaching to the water supply.

No water flow/ power:

5. If there is no water flow when foot pedal is activated check the condition of the water filter which could be blocked. The part number is 90158 (pack of 10). If the water filters look in good condition, check that the flow adjustment on the handpiece is not set to 0 (small tear drop indicator).
6. If low power check the power scale on the display panel is not set to low, please slide up to adjust to the relevant power needed. If the power is set high then the fault could be due to a worn insert tip or a faulty potentiometer inside the machine. This will need to come into the Service Centre for repair.



7. If the foot pedal is not working this could be due to the need to re-synchronize the foot pedal by pressing the settings icon on the display screen and press and hold the button on the bottom of the foot pedal for 4 seconds until the unit double beeps. This confirms the synchronization is complete. If the battery in the foot pedal is completely depleted then synchronisation will not work, you will need to fully charge the foot pedal (2 hours minimum). The foot pedal needs to be switched on to enable charging. Please also check the foot pedal lead for damage or corrosion, this can be replaced with part number 82525-2.

8. Intermittent connection when handpiece is moved in different directions, this will be a worn/damaged handpiece lead. If the handpiece lead is faulty the display screen will show a service spanner with the number 1 in the top left hand corner. The part number to replace this lead is 82507-1.

9. Intermittent fault when using foot control cable instead of using the wireless function, this could be a worn lead and the part number is 82525-2. Also, check the connection to the front of the machine and the connection on the foot pedal as these could be damaged.

10. No oscillation when foot pedal is activated. This would indicate either a worn 360 sterimate, part number 8183201 to replace, or worn insert tips.

11. If the machine isn't going into boost mode when position 2 is applied on the foot pedal (fully pressed down) then this would indicate a faulty foot pedal which would need to be replaced using part number 82538.

Fault lights (top left of the display screen) :

12. Service spanner 1 indicates a faulty handpiece lead or 360 sterimate.

13. Service spanner 2 indicates an internal error with the machine, potentially over heating, so try switching the machine off for 15 minutes. If the fault persists then the unit would need to come into the Service Centre for repair.

14. Filter icon is a prompt to replace the water filters, part number 90158 (pack of 10). Once the filters have been replaced hold this icon for 3 seconds and this will clear the message.

Corrosion:

15. The handpiece leads at the plug end to the sterimate can suffer from blueish/green corrosion caused by a worn O-ring, if this corrosion is found then the unit would need to come into the Service Centre for repair.

16. When spraying the units with sterilisation/cleaning fluids do not leave them to soak. The fluid gets inside the unit and can cause damage to internal components of the machine.