



Troubleshooting tips for the DEKA CO2 Smart US20 D

Laser will not turn on

- Check that Emergency switch is not pushed in. Rotate clockwise to verify.
- Check fuses located in Fuse box above power cable and replace if necessary.
- If there are burn marks present at the tips of the fuses, replace fuses and scrape any black buildup from the internal fuse contacts. The Mains Connector will need to be replaced soon, call for service.

No aiming beam or focus deficient on Handpiece or Perio tip

- Check the Control Panel on the bottom left corner for the setting of the aiming beam and confirm that is not set to “off”.
- Remove hand piece to verify that the aiming beam is visible.
- Check that the hand piece is fully screwed in and that insert is fully tightened.
- Replace Perio tip.
- Check cleanliness of mirror on insert and clean or replace as needed.
- If none of the above worked, the laser is out of alignment or the Aiming beam laser is defective, call for service.

Shutter Fault

- Check that the footswitch cable near the connector to the laser is not twisted.
- Remove connector from laser. If System Fault disappears, replace footswitch, if not, call for service.

Control panel not responding very well to touch or not working at all

- Clean Display Panel with a slightly damp tissue and if problem persists, call for service.

Laser works in short pulses or only one pulse when the footswitch is depressed

- Check the Exposure Mode, it is probably set for Single or Repeat mode. Set to Continuous.

Constantly Clogged Perio Tip / No air flow from hand piece

- Check that the air hose connector is fully inserted and tightened.
- Make sure the air hose is not crimped or twisted out of shape.
- If still there is no air flow, turn Laser off, remove connector and place finger on top of air pump output. Turn laser on and feel if there is air pressure. If not, call for service.

**High pitched noise**

- A very high pitched noise is normal while using the laser in CW mode and low power (< 5 Watts) mode. It may also be evident while in PW mode as well at Level 7 (at any frequency) or lower.

Flow System Fault

- If high pitched noise (intermittent or continuous) that sounds like a hair dryer is present, coolant fluid may be very low in the system. There will probably be a Flow System Fault. Even with the noise, it is safe to use the laser, when the level is critically low, the Flow Switch will disable the laser. Call for service.

High Current / Low Power System Fault

- Usually a High Current or Low Power Fault means a Bad Source Tube, run the Power Check procedure, call for service.