Purpose:

A common cause of erroneous crystal readings can be misalignment of the crystal contact strip backing plate, or incorrect adjustment of the copper contact strips.

Potential Hazards:

⚠️ Caution when working at height
Be aware of coating debris inside the chamber
Wear gloves and suitable mask where appropriate

Tools Required:	2mm hex key	
	Cassette removal tool	

1	Vent the chamber, open the chamber door and remove the crystal cassette front cover to reveal the crystal cassette inside.	
2	Remove the crystal cassette to reveal the crystal contact spring plate	
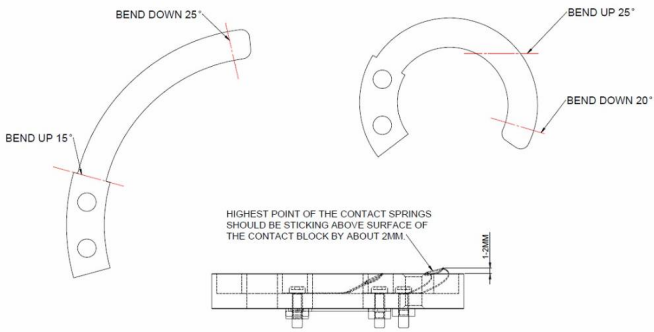| 3 | Visually inspect the crystal cassette contact springs for any sign of damage

Each contact strip should have a single upward bend and also a downward kink at the end.

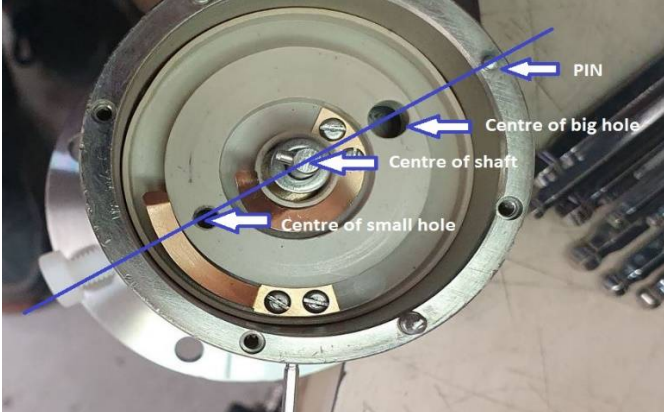**The spring shown in this picture has multiple bends and will not work correctly** | |

4	Correctly adjust the bend of the crystal contact strip. Refit the contact strip backing plate into its recess evenly.	 BEND DOWN 25° BEND UP 25° BEND DOWN 20° BEND UP 15° HIGHEST POINT OF THE CONTACT SPRINGS SHOULD BE STICKING ABOVE SURFACE OF THE CONTACT BLOCK BY ABOUT 2MM. 1.2MM
5	Correctly adjust the rotational alignment of the crystal spring backing plate and tighten the grub screws	 PIN Centre of big hole Centre of shaft Centre of small hole
6	Refit the crystal cassette and front cover. Press "new crystals" to cycle through the 6 crystal positions to ensure each has good crystal alignment and that there is activity on the sensor.	