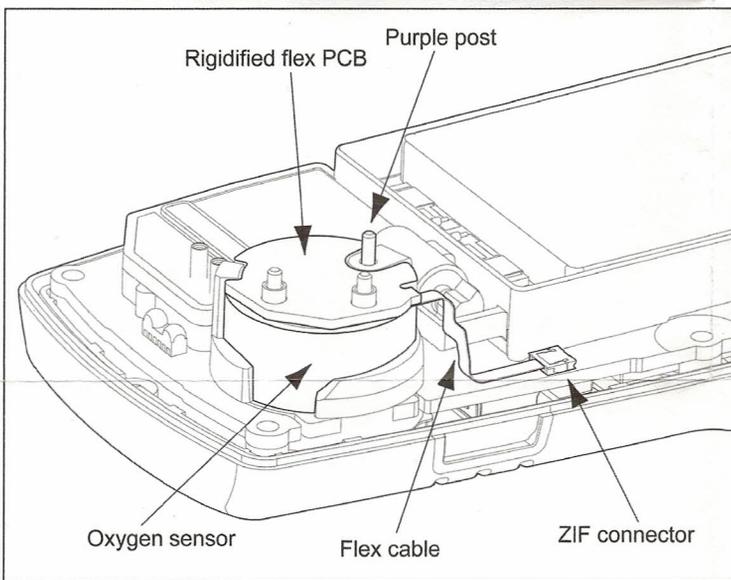


This document contains instructions for replacing the flex PCB cable for the GasAlertMicroClip XT oxygen sensor.

Before Starting

- Substitution of components may impair Intrinsic Safety
- Complete the upgrade in a safe area that is free of hazardous gas
- Follow ESD guidelines when performing the procedures
- If the detector is damaged or parts are missing, contact BW Technologies by Honeywell
- Do not attempt to disassemble, adjust, or service the detector unless instructions for that procedure are provided and/or that part is listed as a replacement part
- Ensure hands are clean or wear gloves during the upgrade procedure



The replacement part contains the rigidified flex PCB and the flex cable.

1. Deactivate the detector. On a clean surface, place the detector face down.
2. Remove the six machine screws on the rear shell.
3. Remove the back cover by lifting the top and the bottom upwards simultaneously to prevent damaging the charger pins.
4. Gently remove the old circular rigidified PCB atop the sensor from the metal sensor posts.

If the sensor pin socket is still on the sensor post, remove it.

5. Gently lift the black plastic latch on the ZIF connector using a small flathead screwdriver.

If there is a partial piece of flex cable in the latch, remove it.

6. Carefully replace the circular rigidified flex PCB atop the metal sensor posts. Ensure the purple plastic sensor post is inserted into the clear plastic hole.

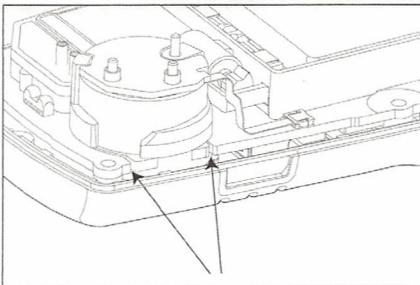
Note: Take care not to tear the flex cable.

7. Grasp the detector vertically in one hand. This will make it easier to see the ZIF connector and flex cable.

8. Thread the flex cable through the latch. Ensure the flex cable is inserted as far as possible.

Note: If the flex cable is not inserted all the way, it may slip out.

9. Lower the latch.



10. Replace the rear shell and follow these recommendations:

- Ensure that the gap between the clear plastic sensor holder and the PCB is equal on either side.
- Ensure the charging pins (bottom of inside rear shell) are aligned with the corresponding holes on the PCB. If the contact pins are bent, the battery will not charge correctly.
- Ensure the rib on the interior rear shell inserts between the battery and the PCB.
- Press the front and rear shells together firmly to ensure a proper seal. Ensure the front and rear shell have a uniform, tight 1/16 in (1 mm) seal on all sides of the detector.
- When replacing the screws, they must be seated properly to prevent cross threading. Turn the screw counter-clockwise until a click is felt and then begin tightening the screw clockwise.

Contacting BW Technologies by Honeywell

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