

INSTRUCTION SHEET

CMS5000 Monitoring System Concentrator Installation Instructions



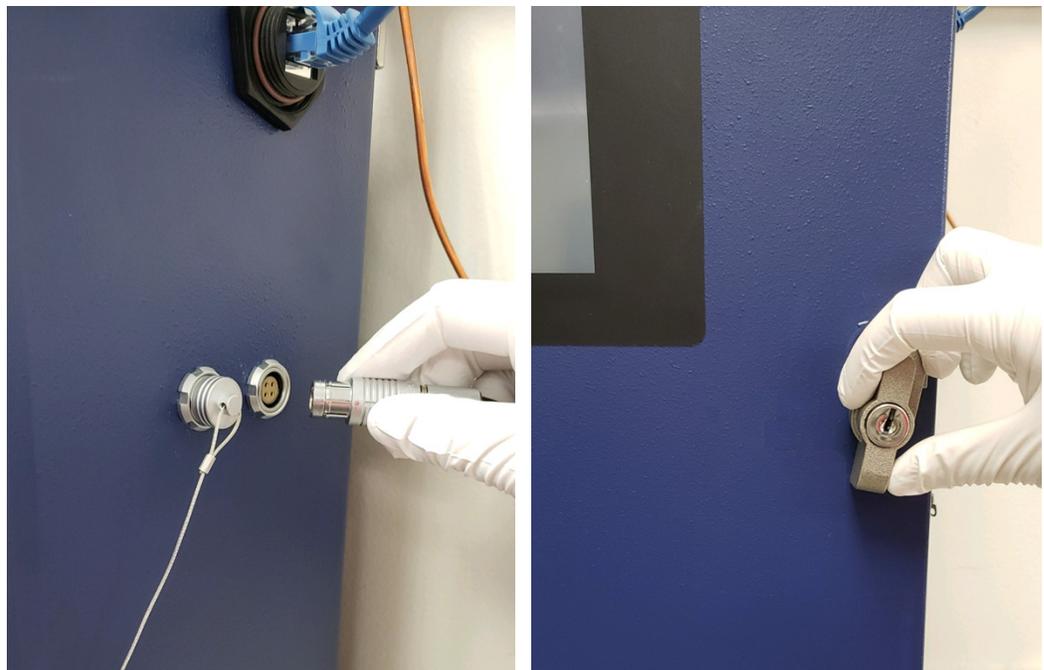
CAUTION

The CMS5000 concentrator is not interchangeable with the concentrators from the HAPSITE® family of products.

- 1 Disconnect the power by unplugging the Fischer Connector® from the right side of CMS5000. Open the front panel by unlocking (if necessary) and rotating the latch clockwise. See Figure 1.

NOTE: Nitrile or equivalent gloves are recommended when replacing the concentrator.

Figure 1 Disconnect power, open the front panel

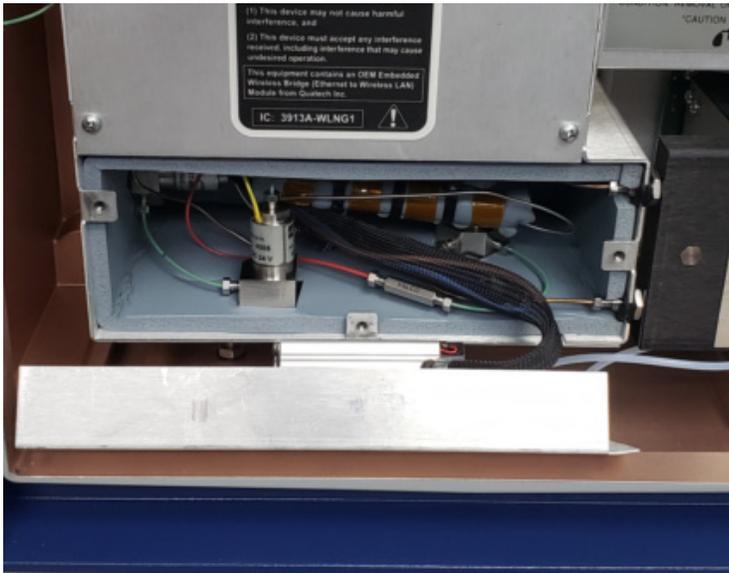


- Using a screwdriver, remove the three screws that hold the lower oven. Retain the screws for reuse. See Figure 2. Remove the lower oven cover. See Figure 3.

Figure 2 Open the front panel

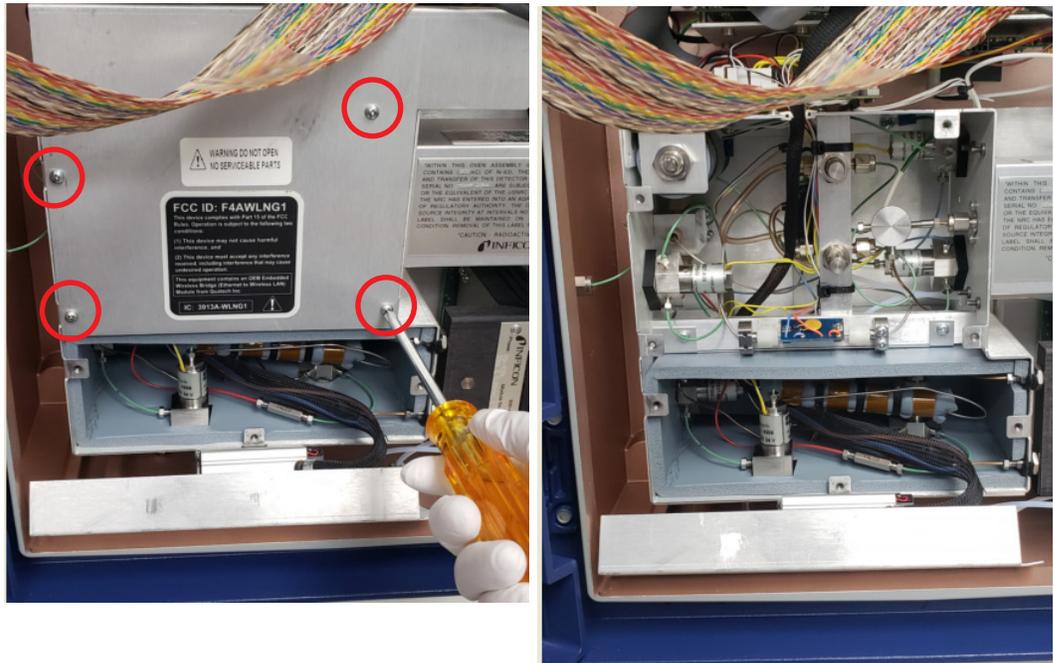


Figure 3 Remove cover



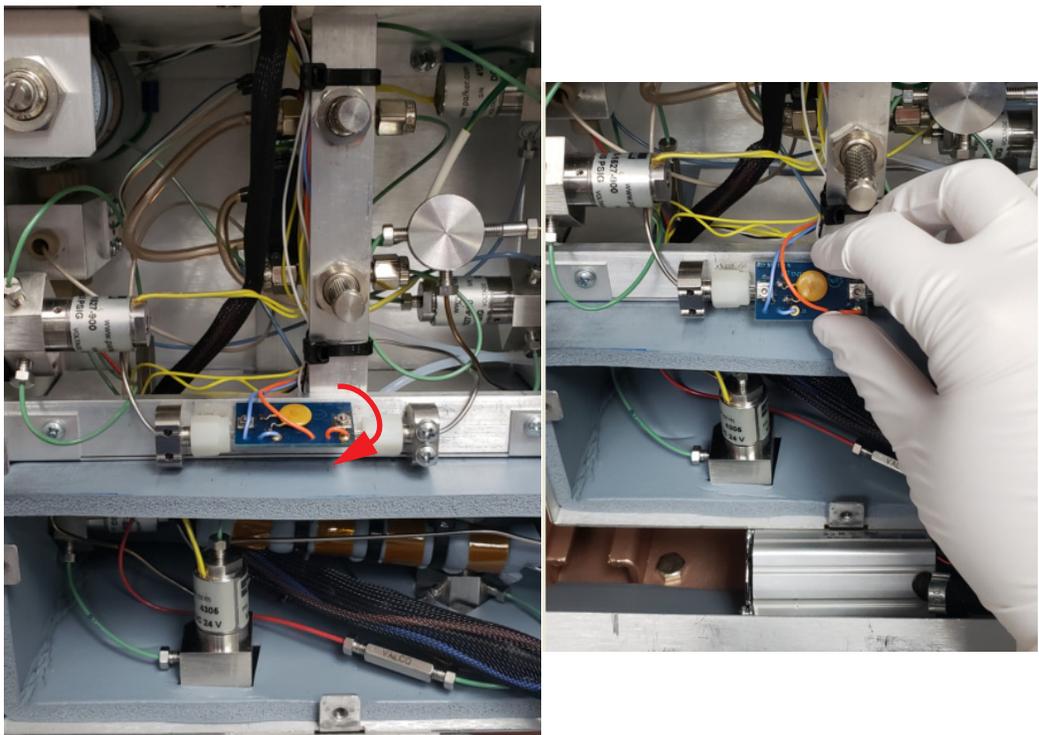
- 3 Unscrew and remove the four screws that hold the upper oven cover in place. Retain the screws for reuse. Remove the upper oven cover. See Figure 4.

Figure 4 Remove four screws and upper oven cover



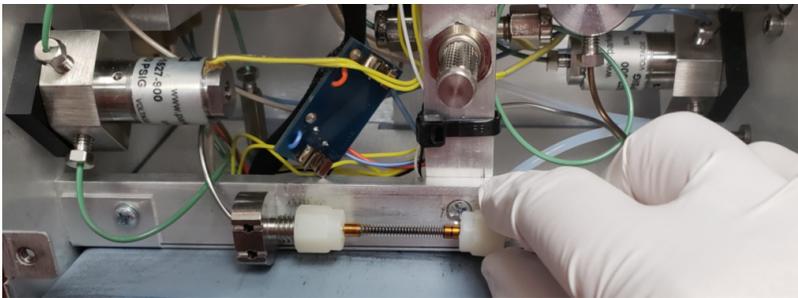
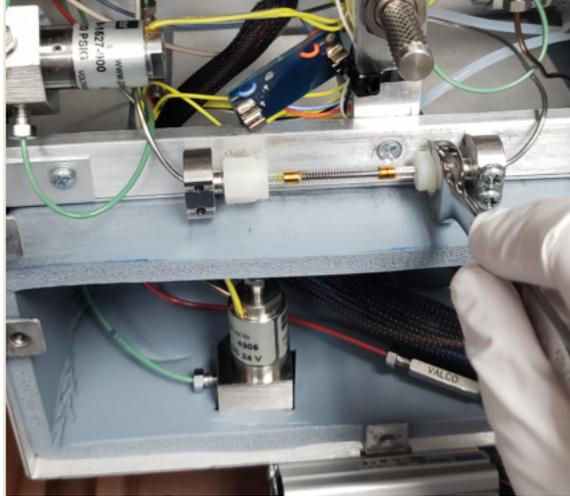
- 4 Rotate so the board is parallel to the unit, gently grasp the board with both fingers and pull straight out. See Figure 5.

Figure 5 Remove concentrator board



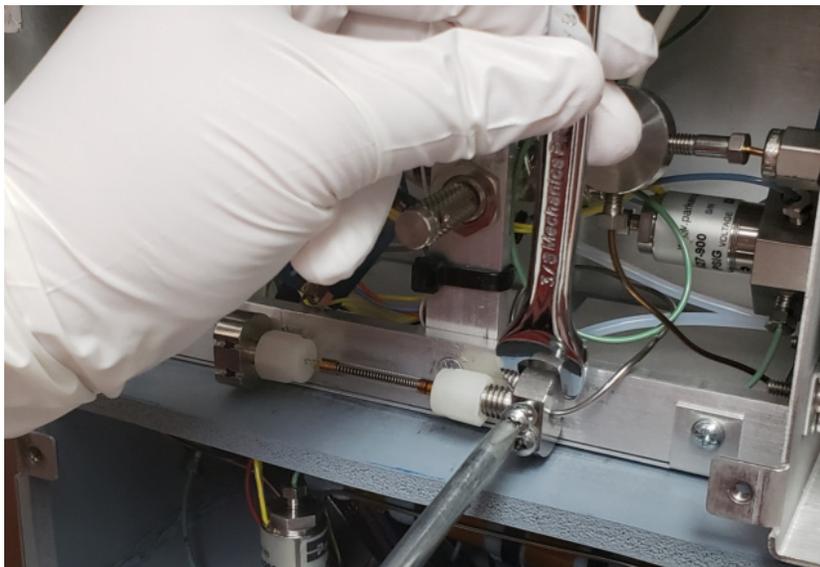
- 5 Using a 7/16" wrench, loosen the nuts on each side of the concentrator by 1/4 of a turn. Loosen the nut on the right side upwards and the nut on the left side downwards. Using fingers, fully loosen both ends of the concentrator. See Figure 6.

Figure 6 Loosen the nuts



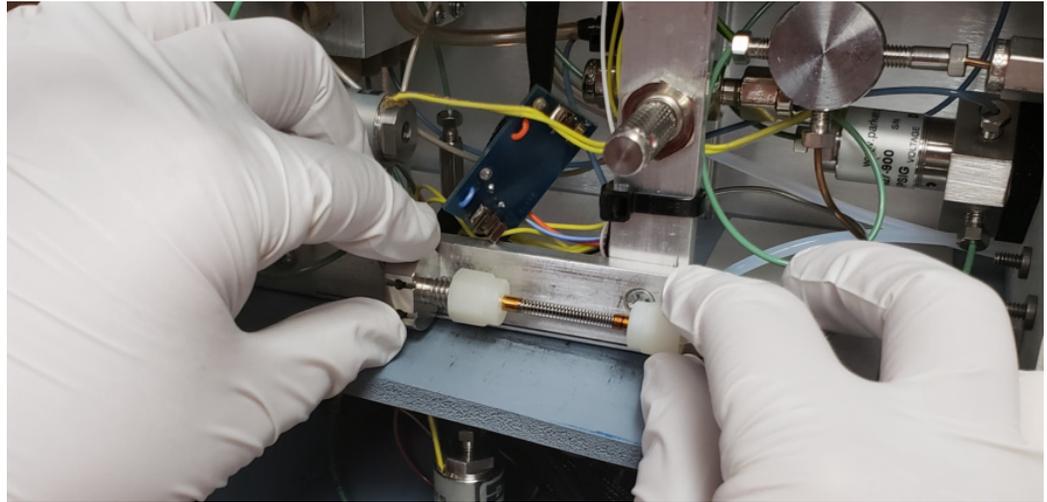
- 6 Using a 3/8" wrench, stabilize the concentrator elbow on the right side. Using a screwdriver, unscrew and remove the two screws that hold the elbow in place. Retain the screws for use when reinstalling. See Figure 7.

Figure 7 Remove two screws



- 7 Gently remove the concentrator from the concentrator elbows. See Figure 8.

Figure 8 Remove from the concentrator elbows



CAUTION

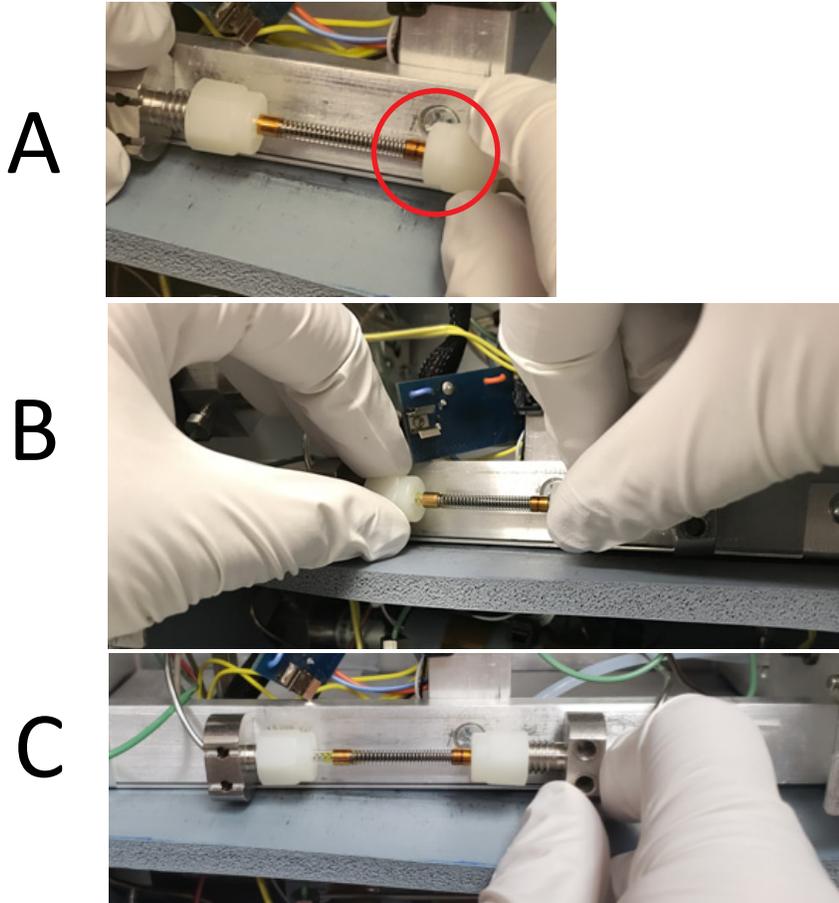
The concentrator is directional. The end with the groove in the metal band must face toward the right when installed. There are two small ferrules that are seated within the nuts. The tapered end of the ferrules must face outward. See Figure 9.

Figure 9 Concentrator direction



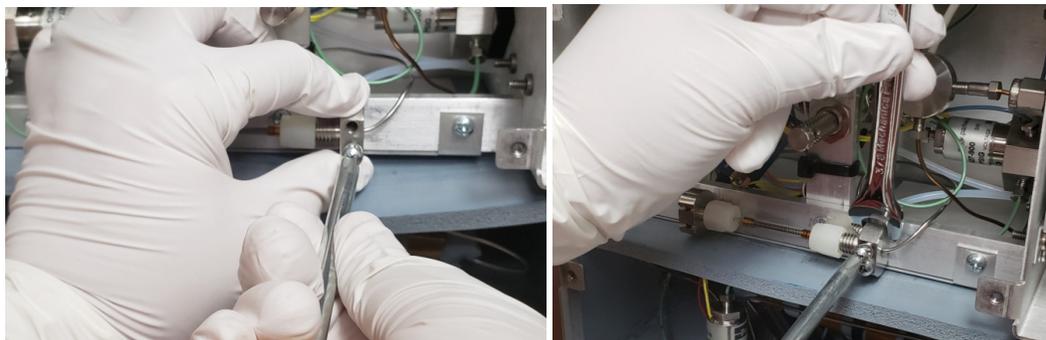
- 8 Ensure the concentrator ferrules are properly oriented. Place the ungrooved end of the concentrator in the left concentrator elbow (A). Tighten the left side of the concentrator to finger-tight (B). While holding the right concentrator elbow, place the grooved end of the concentrator into it (C). See Figure 10.

Figure 10 Replace concentrator



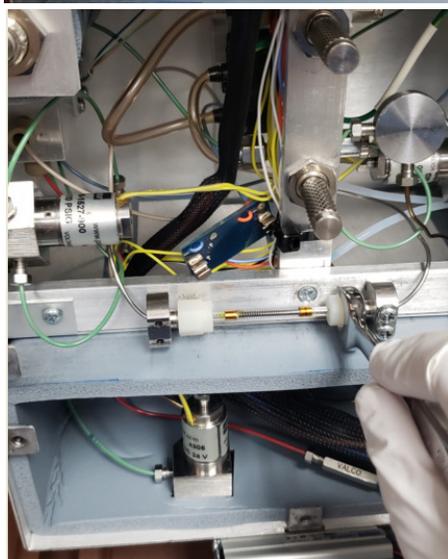
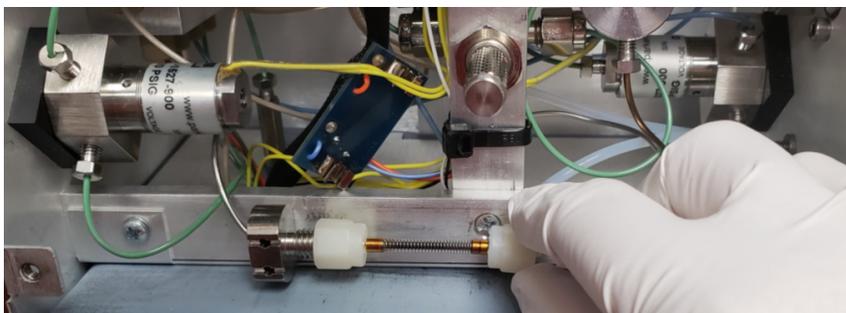
- 9 While holding the right concentrator elbow in place with your fingers, insert and tighten the bottom screw until finger tight. Continue to stabilize the right concentrator elbow in place with a 3/8" wrench, insert the top screw and evenly tighten the screws until snug. Do not overtighten. Overtightening will cause the elbow to turn. See Figure 11.

Figure 11 Reinsert the screws



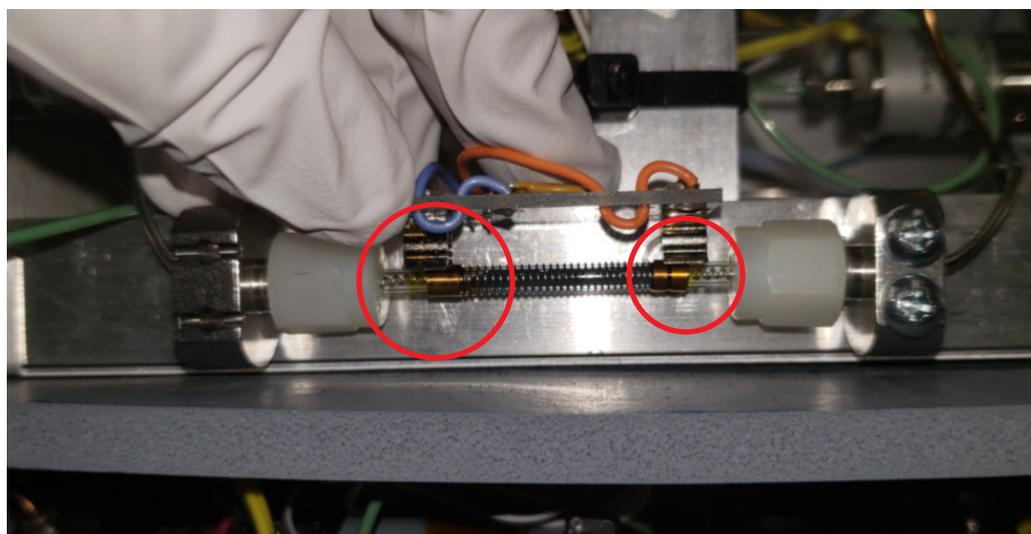
- 10** Ensure that the concentrator is fully seated in both elbows and finger tighten both sides. Using a 7/16" wrench, tighten both nuts by 1/4 of a turn. Tighten the nut on the right side downwards and the nut of the left side upwards. See Figure 12.

Figure 12 Ensure that the concentrator is fully seated and tighten nuts



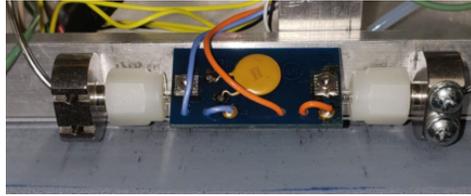
- 11** Line up the clips from the concentrator board with the metal contacts on the concentrator. See Figure 13.

Figure 13 Line up the clips



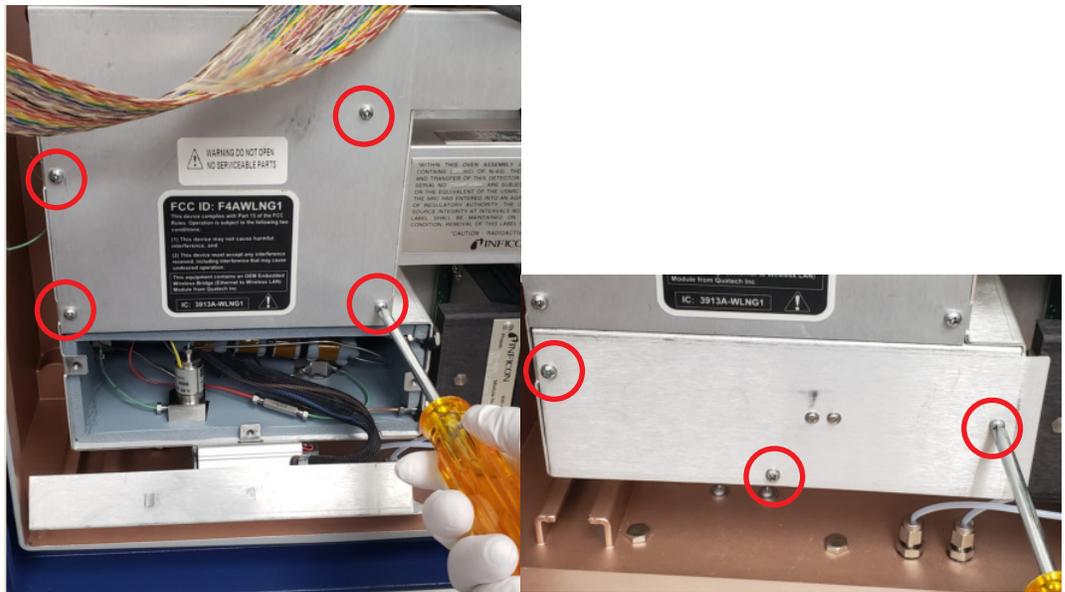
- 12** Press the concentrator board gently but firmly onto the concentrator. See Figure 14.

Figure 14 Press the concentrator board



- 13** Position the upper oven cover as shown in Figure 15. Using a screwdriver, screw the four screws into the proper locations. Position the lower oven cover as shown. Screw the three screws into the proper locations.

Figure 15 Replace the upper and lower oven covers



- 14** Shut the front panel, secure the latch and plug in the power cord. The CMS5000 will begin its startup sequence.



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