



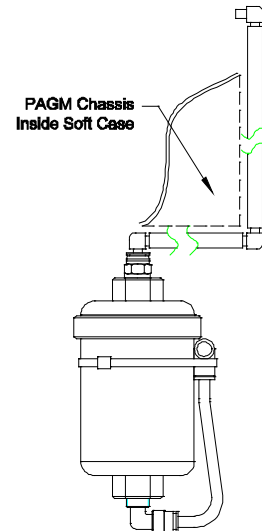
Portable Area Gas Monitor (Refrigerant Models Only)

Instruction: 3015-5715
 Revision: 2
 Date: August 5, 2014

Charcoal Filter Replacement

Overview

During normal operation, the Portable Area Gas Monitor (PAGM) performs a purge cycle during which fresh air is drawn in from the purge line to flush internal components of any residual refrigerants. Purge lines should draw in clean air to perform the purge function. A charcoal filter must be used on the purge line to ensure that no contaminated air is drawn into the system during purge cycles. The charcoal filter removes refrigerant gas contamination from the purge-air stream during the internal purging process. The steps required to replace the charcoal filter are listed below. Note that filter kit 3015-5463 is obsolete.

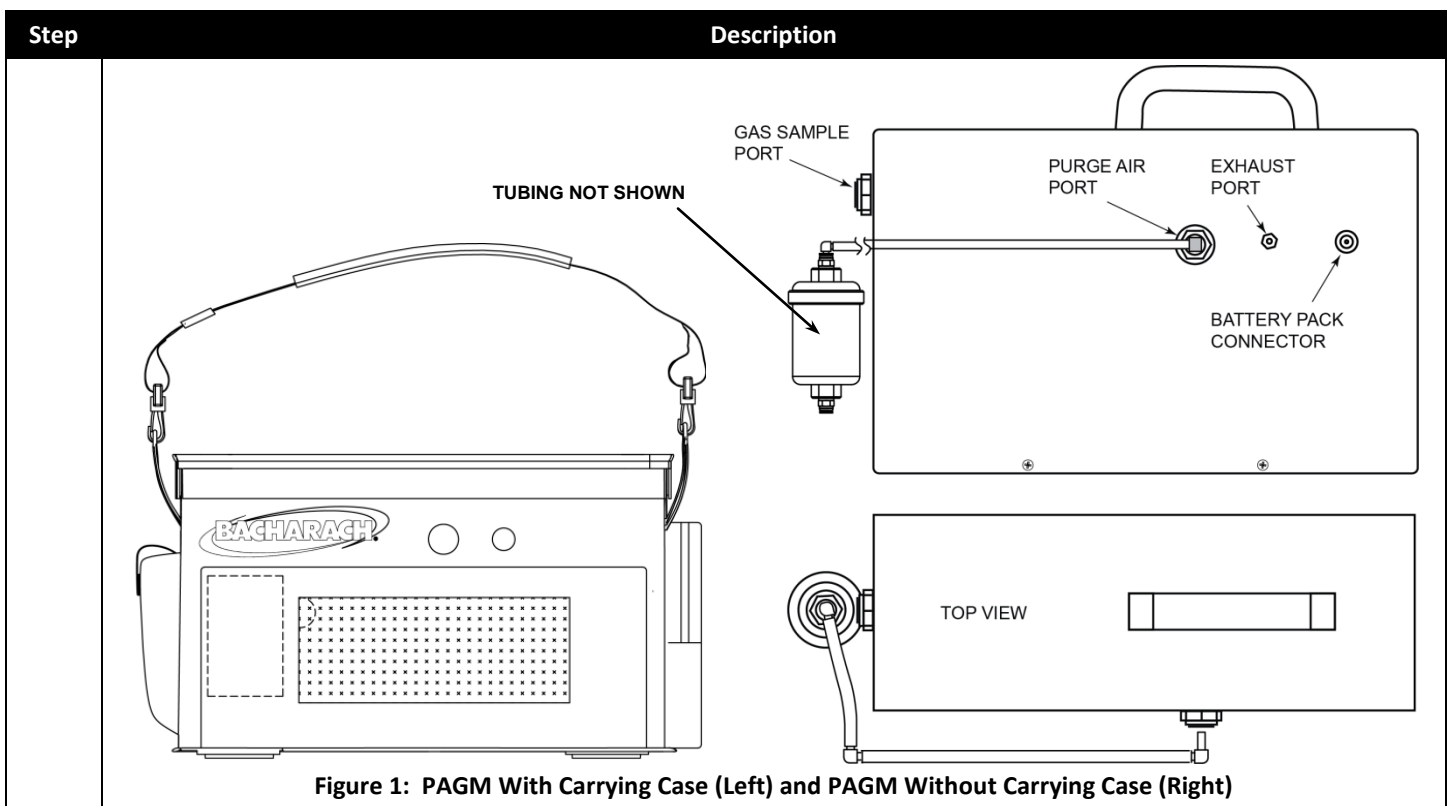


External Charcoal Filter Replacement Kit (P/N 3015-5714)

- Upgrade instructions (P/N 3015-5715)
- Charcoal Filter and Tubing Assembly.....(P/N 3015-5714)

Procedure

Step	Description
1.	Ensure that the PAGM is turned off.
2.	Verify that the charcoal filter kit components are assembled. If not, connect the three elbows and tubing as shown in Figure 1.
3.	Older style filter replacement assemblies have two elbow joints and may cause the tubing to kink. The newer style filter replacement assembly has three elbow joints to address possible tubing kinks. Verify that your existing charcoal filter and tubing assembly is a newer assembly by checking for THREE elbow joints (see Figure 1). <ul style="list-style-type: none"> • If your assembly only has two elbow joints, it is the old style, and you need to replace the entire assembly. • If your assembly has three elbow joints, it is the newer style, and you only need to replace the charcoal filter.
4.	<p>For old-style filter assemblies:</p> <ul style="list-style-type: none"> • Locate and remove the existing charcoal filter assembly that needs to be replaced. The charcoal filter is located in the front pocket of the PAGM cloth carrying case, and has tubing that passes through the case and is routed toward the back along the side of the instrument (inside the carrying case) to the Purge Air Port. The PAGM is shown with and without the carrying case to identify the Purge Air Port location. • Continue to step 5. <p>For newer-style filter assemblies:</p> <ul style="list-style-type: none"> • Locate and remove only the existing charcoal filter which is located in the front pocket of the PAGM cloth carrying case. To disconnect the charcoal filter from the elbow/tubing assembly, press the ring surrounding the charcoal filter's connector inward toward the filter itself while carefully withdrawing the elbow/tubing assembly. • Discard the spent charcoal filter. • Attach the new charcoal filter to the elbow/tubing assembly. • Continue with step 9.



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| 5. | Disconnect the spent charcoal filter’s tubing from the Purge Air port. To do this, remove the spent charcoal filter from the front pocket of the carrying case, and gently withdraw the attached tubing through the access hole in the cloth carrying case. |
| 6. | Appropriately discard the spent charcoal filter and connected tubing. |
| 7. | Install the new charcoal filter assembly by placing the assembly’s elbow and attached tubing into the front pocket of the carrying case, and then feeding it through to the Purge Air Port. |
| 8. | Connect the elbow to the Purge Air Port as shown in Figure 1. |
| 9. | Place the new charcoal filter and any excess tubing into the front pocket of the carrying case. |
| 10. | Replace the external charcoal filter (P/N 3015-5714) about every 6 months, when a zero filter fault occurs (fault code <0100>), or after the monitor itself has been exposed to unusually high levels of gas, such as after an evacuation alarm. Simply disconnect the tubing and use the new filter as provided. |



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