Nebulizer Adjustment Fixture

User Guide

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This guide applies to the Nebulizer Adjustment Fixture Kit (p/n G1960-60470).
Before you begin

Make sure that your kit includes these parts:

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<th>Callout Number</th>
<th>Description</th>
<th>Part Number</th>
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<tr>
<td>1</td>
<td>Nebulizer Adjustment Fixture</td>
<td>GT430-20470</td>
</tr>
<tr>
<td>2</td>
<td>LED Flashlight</td>
<td>0960-3400</td>
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<td>3</td>
<td>Flashlight Adapter</td>
<td>GT430-21012</td>
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<td>4</td>
<td>40× Magnifier</td>
<td>1000-1541</td>
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User Guide G1960-90470
To inspect the nebulizer

1. Insert the LED Flashlight into the Flashlight Adapter and tighten the thumb screws.

2. Insert the nebulizer into the Nebulizer Adjustment Fixture:
   a. Carefully insert the tip of the nebulizer into the end of the Nebulizer Adjustment Fixture.
   b. Slide the heads of the two spring loaded socket head cap screws through the mounting holes on the body of the nebulizer.
   c. Turn the nebulizer body 1/8 turn counter-clockwise.
   If the nebulizer is too tight or too loose, loosen or tighten the nut on the captured screws to adjust the tension on the spring.

3. To inspect the end of the nebulizer for poor needle centering, plugged needles, or nozzle damage (Figure 1):
   a. Gently push the 40× Magnifier into the end horizontal position of the Nebulizer Adjustment Fixture. The focal length approximately corresponds to the end of the 40× Magnifier.
   b. Push the LED Flashlight into the Nebulizer Adjustment Fixture. No tool is needed.
      For ES or ESI nebulizers, use Vertical #2 Position.
      For APCI nebulizers, use Vertical #1 Position.
To inspect the nebulizer

4 To inspect the side of the nebulizer for the correct needle adjustment length, damaged needle, or corroded nozzle (Figure 2):

a Gently push the LED Flashlight into the end horizontal position of the Nebulizer Adjustment Fixture.

b Push the 40× Magnifier into the Nebulizer Adjustment Fixture. No tool is needed. The focal length approximately corresponds to the end of the magnifier.

For ES or ESI nebulizers, use Vertical #2 Position.

For APCI nebulizers, use Vertical #1 Position.
To inspect the nebulizer

5  Turn on the **LED Flashlight**. The on/off switch is at the end of the flashlight.

**CAUTION**

**Do not hit or touch the end of the nebulizer or you can damage the needle.**

6  Gently slide and rotate the **40× Magnifier** into or out of the **Nebulizer Adjustment Fixture** to focus the magnifier on the end of the nebulizer nozzle and needle. For the APCI nebulizer, if needed, remove the pocket clip to focus properly.

If the needle is not in the correct position or shows signs of wear or damage, refer to the animated *Maintenance Guide* for instructions to adjust or troubleshoot your nebulizer needle.
In This Book

This book contains instructions to inspect your nebulizer using the Nebulizer Adjustment Fixture. To adjust your needle, or to troubleshoot needle issues, refer to the animated Maintenance Guide that is available from the Resource App for your Agilent 6000 Series LC/MS.

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