

GUIDE ASSEMBLY REPLACEMENT PARTS

HAMILTON GUIDES 14806 and 14906

Guide Assembly

Part No.	Description	Part No.
14806	14906	
X	Complete Guide Assembly	14806
	X Complete Guide Assembly	14906
X	X Stop Collar Hex Wrench	16476
X	X Stop Collar	16444
X	X Stop Collar Set Screws (4-40 X.125)	16435
X	Upper Guide O-Ring	16101
X	Lower Guide O-Ring	16133
	X Upper Guide O-Ring	16104
	X Lower Guide O-Ring	16105

RETURN OF GOODS

Hamilton Company's return and repair policy is written to protect its employees from potentially hazardous materials (e.g., serum, radioactive materials, carcinogenic chemicals, etc.) or any substance that may cause them partial or permanent disability during the inspection or repair process. In returning product, the customer acknowledges that the product is free from any hazardous materials. Furthermore, the customer assumes responsibility should the returned product be determined to be hazardous.

Trademarks:

GASTIGHT® is a registered trademark of Hamilton Company.

MICROLITER® is a registered trademark of Hamilton Company.

HAMILTON

THE MEASURE OF EXCELLENCESM

<http://www.hamiltoncompany.com>



Hamilton Company manufactures products for precision fluid measuring: syringes, valves, diluter/dispensers, and robotic sample processors, as well as polymeric HPLC columns and resins. For additional information any of these product lines, please contact Hamilton Company or your local Hamilton representative.

Hamilton Company
4970 Energy Way
Reno, Nevada 89502 USA
Toll-Free 800-648-5950
Fax +1-775-856-7259
Telephone +1-775-858-3000
e-mail: sales@hamiltoncompany.com

Hamilton Bonaduz AG
P.O. Box 26
CH-7402
Bonaduz/Switzerland
Fax +41-81-660-60-70
Telephone +41-81-660-60-60
e-mail: hamopd@bonaduz.hamilton.ch

Hamilton Deutschland GmbH
P.O. Box 110565
D-64220
Darmstadt/FRG
Fax +49-6151-98-02-0
Telephone +49-6151-89-17-33

Hamilton GB Ltd.
Lyne Riggs Estate
Lancaster Road, Carnforth
GB-Lancashire LA5 9EA Great Britain
Fax +44-1524-72-0651
Telephone +44-1524-72-0650

HAMILTON

THE MEASURE OF EXCELLENCESM

GUIDE ASSEMBLIES (Part Numbers 14806 and 14906)

Congratulations! You have purchased the finest quality precision fluid management device available today. We at Hamilton Company combine top quality materials with skilled workmanship, ensuring the highest possible performance level of every precision fluid device we manufacture. With proper care and handling, Hamilton's guides will provide unsurpassed performance in precision fluid handling year after year.

Hamilton guide assemblies stabilize the fine plunger wires of some smaller volume syringes. It incorporates two stabilizing rods mounted in an upper nylon guide that slide freely through a lower nylon guide. An adjustable stop collar is located on one of the stabilizing rods to prevent the plunger from being totally removed accidentally from the syringe. You can easily relocate the stop assembly to prevent the plunger from bottoming against the needle. The nylon upper guide provides a large surface area on which to place the thumb, while the lower nylon guide is supported between the index and middle fingers. The guide adds support and provides a larger surface area for holding an otherwise small and fragile plunger.

WARRANTY STATEMENT

Hamilton Company unconditionally guarantees its products to be free of defects in materials and workmanship. Any product that fails due to such defects will be repaired or replaced at our discretion without cost, provided the device is returned with an explanation. It is the responsibility of the purchaser to determine the suitability of application and material compatibility of the products based on the published specifications of the products.

Syringes and needles manufactured by Hamilton Company are intended for scientific research and laboratory use only and are not intended for human in vivo use.

NOTE: The guide will not prevent plunger bending in improperly maintained syringes.

INSTALLING GUIDE ASSEMBLIES

The Hamilton Guide (part number 14806) can be installed on any series 701 Hamilton MICROLITER® syringe model, or any series 1701 GASTIGHT® syringe model.

The Hamilton Guide (part number 14906) can be installed on series 702 through 750 MICROLITER syringes; 7000 Series MODIFIED MICROLITER™ syringes; or series 1702 through 1750 GASTIGHT syringes.

The installation procedure for Hamilton guides follows. Numbers in parentheses refer to part numbers in Figures 1, 2, and 3.

1. Separate the two halves of the guide assembly.
2. With the syringe placed on a clean dust-free surface, remove the plunger.
3. Place the syringe barrel (1) into the lower guide, with the syringe flange in the groove of the lower guide. Install the O-ring (2) into the groove using a small screwdriver (Figure 1).

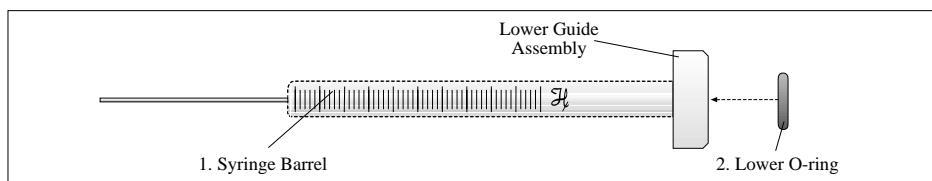


Figure 1

4. Place the plunger button (6) into the upper guide assembly (Figure 2).

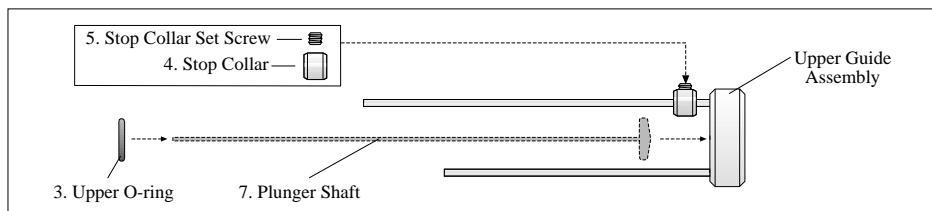


Figure 2

5. Slip the O-ring (3) over the plunger shaft (7), and position it into the groove in the upper guide to secure the plunger (Figure 2).
6. Slide the stop collar (4) to the top of the longest rod on the upper guide assembly and temporarily tighten the stop collar set screw (5) with the Allen key.

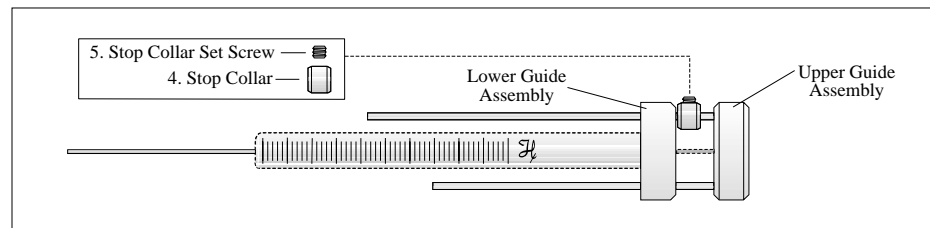


Figure 3

7. Join the upper and lower halves of the guide, being careful to not bend the plunger (Figure 3).
8. Bring the upper and lower halves of the guide together gently until the plunger bottom against the needle.
9. Loosen the stop collar set screw (5) and set the stop collar (4) against the lower guide assembly. Tighten the set screw. This setting of the stop collar will prevent the plunger from bottoming against the needle upon rapid injection (Figure 3).
10. Your syringe is now ready for use.

NOTE: You have the option of installing the stop collar to prevent the plunger from disengaging from the syringe during normal operation. If you choose this option, place the stop collar on the very end of the rod after assembling the two halves of the guide, and tighten the set screw.