



## Introduction



The SiITite FingerTite® fittings system will allow you to install and remove a column without using a wrench. The SiITite FingerTite system is designed to be self installed, the instructions below are written in easy to follow steps.

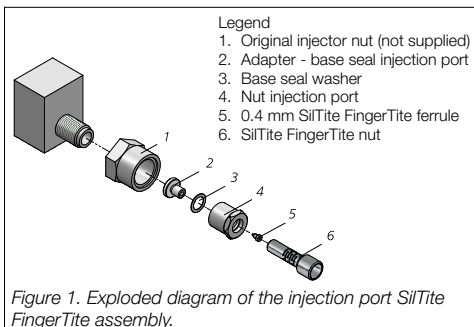
## Packing list

5 x SiITite FingerTite nuts  
10 x 0.4 mm SiITite FingerTite ferrules  
2 x Adapter base seal injection port  
1 x Nut injection port  
1 x Adapter capillary FID  
1 x Seal capillary FID  
1 x SiITite FingerTite ferrule install tool

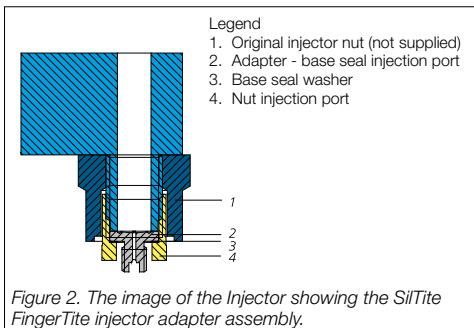
## Instructions

### Injector adapter installation

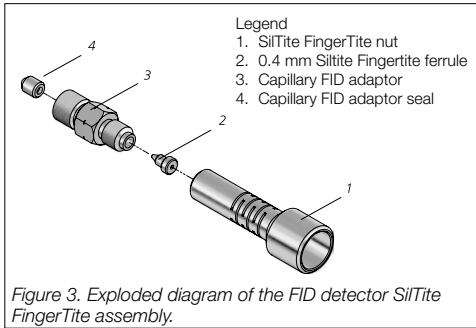
This procedure is no different than cleaning the inlet or replacing the seal or base plate. Do not lose any of the items that are replaced.



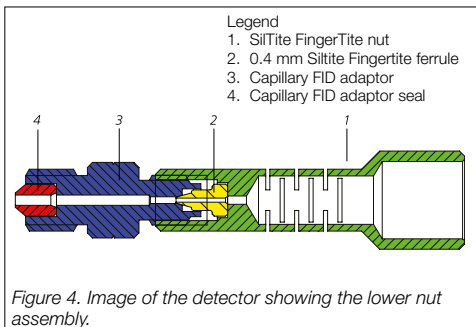
1. Cool the inlet and FID.
2. Remove the column and column nut (if attached). When the inlet is cool remove the septum nut, septum and inlet liner/o-ring. This is a good time to clean the inlet.
3. Remove the thermal insulator from the injector.
4. Unscrew the large nut (1) assembly at the base of the injector, turn anticlockwise. Remove the base injector seal and nut assembly. Retain these original parts.
5. From the SiITite FingerTite kit, locate the base seal injection port adapter (2), the base seal washer (3) the injection port nut (4) and assemble as displayed in Figure 2.
6. Insert the base seal injection port adapter (2) and base seal washer (3) into the base of the injector and tighten with the injection port nut (4) clockwise until firm. Replace the original injector nut (1). Replace the thermal insulator.
7. We recommend reassembling the inlet with a clean inlet liner, new o-ring and new septum.



## Capillary FID adapter installation



1. Ensure the FID nut assembly is cool.
2. Remove the column, column nut and ferrule (if attached).
3. Locate the Capillary FID adaptor (3), and Capillary FID seal (4) and assemble as displayed in Figure 4.
4. Insert the Capillary FID adaptor into the base of the detector fitting and finger tighten the nut clockwise until it stops, and then tighten until secure with a wrench.



## Column installation



1. First, slide a SiITite FingerTite nut onto the tubing, followed by a SiITite FingerTite ferrule. The flat base of the ferrule aligns with the nut and the cone points to the detector or injector.
2. Using the SiITite FingerTite ferrule install tool displayed in Figure 5, push approximately 20 mm more tubing than required through the install tool. Tighten the nut, using your fingers only to seat the ferrule onto the column – there is no need to use excessive force, once the seal is made the tubing will be held firm and will not move. Use a rule to mark the column insertion distance, then cut the column. The distances for column insertion into Agilent instruments are in Table 1 and are calculated from the back of the ferrule.
3. Insert the pre-assembled nut and ferrule into the injector/ detector port and screw in the nut using finger force only – again, there is no need to use excessive force to make a seal. You cannot break the capillary column if you over tighten the ferrule although an over tightened ferrule may stick to the cone of the adapter. To remove an over tightened ferrule we simply recommend gently levering between the shoulder of the ferrule and the relevant adapter. **Under no circumstances are wrenches or pliers to be used on these fittings.**

Injector/Detector	Distance (mm)
Split/Splitless	7.5 - 9.5
FID	67.5

Table. 1 Column measurements for correct assembly.

## Information and support

Visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)

Specifications are subject to change without notice.