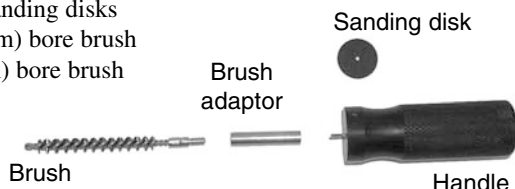


Injection Port Repair Tool

(cat.# 21393)

Parts List

- Handle and brush adaptor
- 5 medium sanding disks
- 5 fine sanding disks
- 1 (6.5mm) bore brush
- 1 (7 mm) bore brush



Overview

The sealing ring at the base of a split/splitless injector allows a seal to form between the injection port and the inlet disk. This sealing ring wears over time and may become scratched or pitted, which compromises the sealing ability of the injector to the inlet disk. The Restek injection port repair tool easily resurfaces this critical seal, removes contaminants from inside the injector, and saves time and money by preventing unwanted leaks.

Instructions

Remove the injection port and heater assembly per the manufacturers' instructions.

To resurface the sealing ring:

1. Remove the brush adaptor from the handle of the tool by turning counter-clockwise.
2. Place the medium grit-sanding disk over the threaded post on the handle and replace the brush adaptor (Figure 2).



Figure 2: Place the sanding disk over the threaded post.

3. Insert the brush adaptor into the base of the injection port (**being careful not to flex or bend the handle**) and push up on the handle until it bottoms out (Figure 3).



Figure 3: Resurface the sealing ring at the base of the injector.

4. Turn the handle in a clockwise direction approximately 3 to 4 times to resurface the sealing ring at the base of the injector (Figure 3).
5. Repeat steps 1 through 5 using the fine sanding disk.

To clean the inside of the injection port:

1. Choose the appropriate size bore brush by testing in the injection port. The brush should go into the injection port with some resistance to allow for good cleaning.
2. Place the brush on the brush adaptor by turning clockwise.
3. Insert the brush into the injection port (**being careful not to flex or bend the handle**) and move the handle up and down several times inside the injector to obtain a clean injection port (Figures 4 and 5).



Figures 4 & 5: Clean injection port by moving the handle up and down several times inside the injector.

Finally, clean the injection port using a cotton swab and solvent such as hexane or methylene chloride, and then rinse with acetone or methanol. Reinstall the injection port and heater assembly per the manufacturers instructions. **Be sure to heat the injection port slowly to remove any unwanted solvent before installing a column.**

Call Technical Service at 800-356-1688 or 814-353-1300, ext. 4 (or your local Restek representative) if you have any questions about this product or any other Restek product.



Restek USA: 110 Benner Circle, Bellefonte, PA 16823
phone: (800) 356-1688 or (814) 353-1300 • fax: (814) 353-1309; www.restekcorp.com
Restek GmbH: phone: (49) 06172 2797 0 • email: RESTEK-GMBH@t-online.de
Restek France: phone: (33) 01 60 78 32 10 • email: restekfr@club-internet.fr
Thames Restek UK Ltd.: phone: (44) 01753 624111 • email: Sales@Thamesrestek.co.uk
Thames Restek Scotland Ltd.: phone: 0870 241 1247 • email: Sales@Thamesrestek.co.uk
Restek Ireland: phone: (44)2 890 814 576 • email: restekeurope@cs.com