

Maintenance of manual sample injector for Recycling Preparative HPLC

When the following is observed, replace the internal rotor seal of the manual sample injector or the stator face assembly.

- 1) Resistance is felt when the plunger of a syringe moves when injecting a sample at the LOAD side
- 2) Cleaning is impossible because resistance is felt when the plunger of a syringe moves on the INJECT side.
- 3) Pressure has abruptly risen.

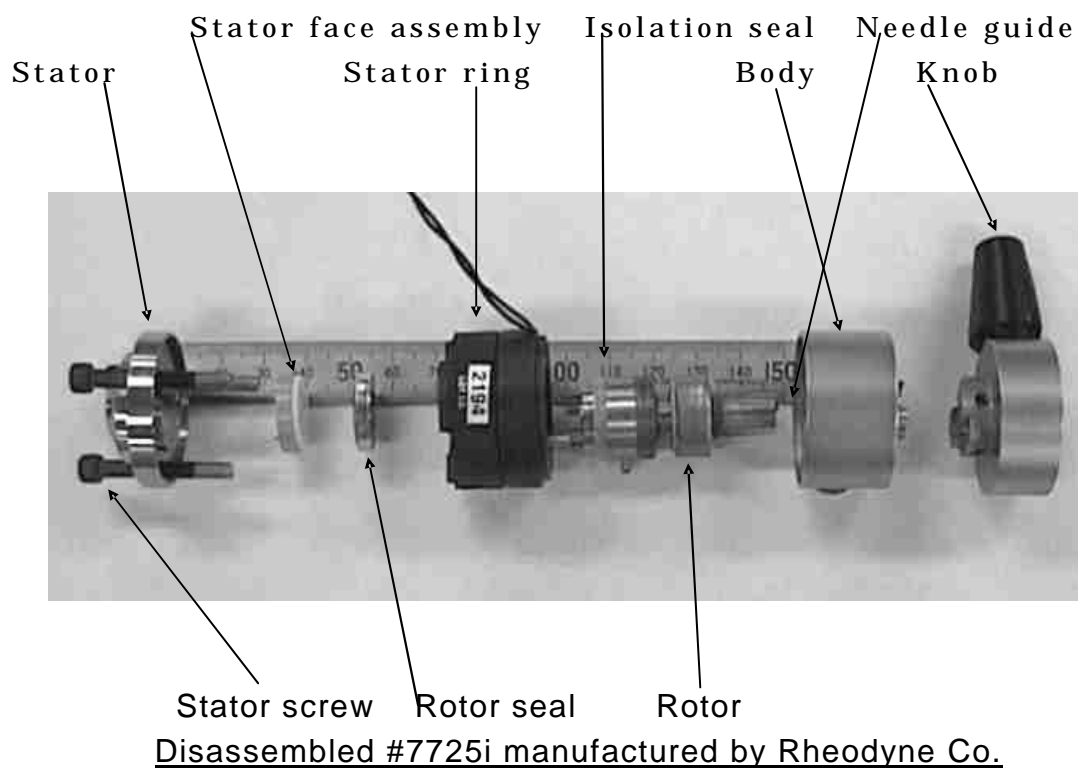
Structures and replacement procedures are as follows:



Refer the repair of the manual sample injector only to experienced personnel.
Contact our technical service department.

Procedures

- (1) Remove the suction joint from the solvent bottle and leave it in a position lower than the joint.
- (2) Remove the injector knob using a hexagonal wrench supplied with the system.
- (3) Remove the right side column cover and the panel equipped with a pre-column by loosening the knob screw. Remove piping in advance.
- (4) First remove the sample loop No.1 and No.4, and then No.2, No.4 and No.5. Disconnect the black connector.
- (5) Remove the two Phillips screws from the panel.
- (6) Take out the injector valve from the system.
- (7) Remove the stator screw with a hexagonal wrench. Pull out the stator face and the rotor seal vertically.
- (8) Assemble the parts by referring to the following drawing (disassembly drawing) to restore to the original condition.



Replacing sample loop

The system is equipped with a sample loop of 3 ml as standard. When replacing with a sample loop having a different capacity, refer to steps (1) through (4) in Section 7.3. The sample loop is connected to the sample injectors No.1 and No.4.

Optional sample loops: 25 fÊ

3ml

5ml

12ml

15ml