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Find the *GE Healthcare / Amersham Biosciences 19-7815-02* at our website: *Click HERE*

FRAC-200 / FRAC-100 / RediFrac

Installation Instructions

Replacing the tube sensor (Code No. 19-7815-02)

1. Remove the bowl and the mains cable. Disconnect the spiral cable from the delivery arm. Turn the FRAC-200 upside down so it rests on the rod. Turn the red knob to "large tube" position, i.e. the arrow on the knob should point towards the large circle. Remove the tubing holder.

2. Unscrew the three screws that hold the arm insert in position. Pull out the arm insert together with the tube sensor and the PCB.

3. Disconnect the tube sensor connector and note which pins are used. Move the PCB away slightly, so the small end of the spring (1g) becomes visible. Unhook the spring end and then remove the spring from the tube sensor.

4. Note the position of the spring (1f), which puts tension on the plastic link (1d). Then remove the link and pin (1e) together with the tube sensor.

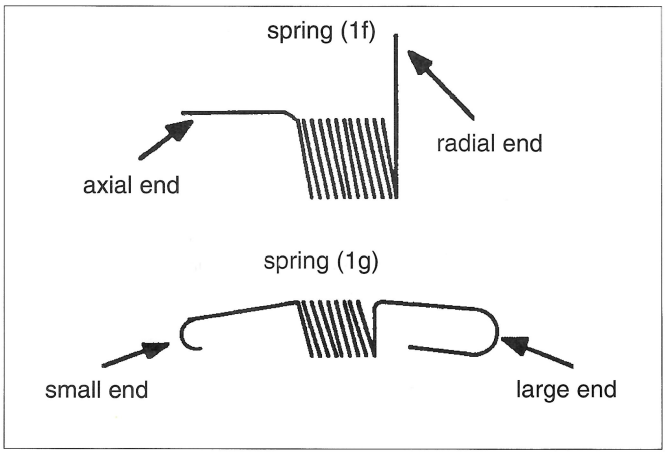


Fig.1. Springs inside delivery arm

5. Remove, e.g. with utility pliers, the locking washer from the tube sensor. Then separate the sensor from the link.

Remounting

6. Mount the new tube sensor to the plastic link. The locking washer can be mounted by using a pair of pliers. The pin (1e) should protrude equally on both sides of the link (see fig. 2).

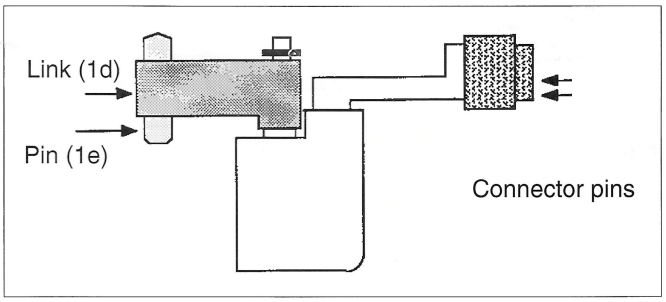


Fig. 2.

7. Fit the spring (1f) over the pillar mounting according to fig. 3.

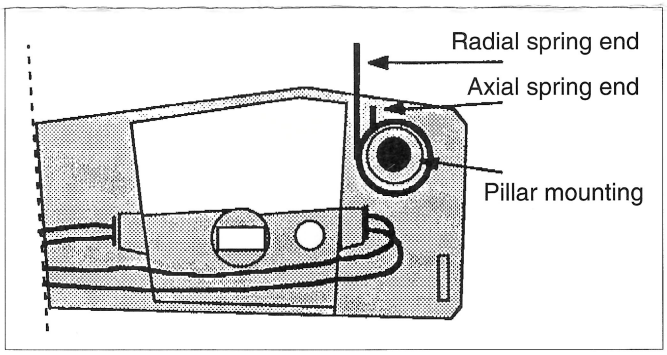


Fig. 3.

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8. Mount the parts shown in fig. 2 by inserting the axial end of the spring (1f) into the small hole in the link and then pushing the pin into the hole in the pillar. While holding the link and pin in position, twist the radial end of the spring (1f) half a turn clockwise and lock it behind the small plastic bar as shown in fig. 4.

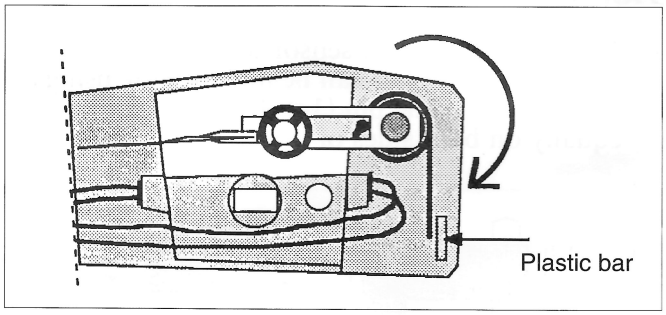


Fig. 4.

9. Insert the large end of the spring (1g) into the small hole in the tube sensor. Then gently stretch the spring and hook the small end onto the protruding part of the arm insert. Put the PCB in the correct position and connect the tube sensor connector.

10. Check that the red knob is at "large tube" position. Then place the complete insert into the arm. If necessary, move the tube sensor a little sideways to make sure that the small pin inside the knob fits into the slot in the plastic link. Turn the knob and check that the tube sensor movement is OK.

11. Hold the insert in position and remount the three screws which keep the insert. Do not tighten these screws too hard! Take care not to lose the small screw into the delivery arm. Reconnect the spiral cable and the mains cable. Remount the bowl.

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