1. Insert tube end into the slot on the tube sizing template (included with your fittings) to determine which parts bag you will be using. Gently slide the tube downward in the slot being careful to keep it straight and to avoid deforming the template. The color zone on the side of the slot where your tube touches indicates which parts bag you will use. If your tube falls exactly between two color zones use the larger of the two.

2. Once you have determined which color of parts bag you will be using store the remaining colored parts bag/s somewhere safe and out of the way to avoid accidently mixing the contents between different parts bags.

3. Your fittings also include two clear bags that contain premium silicone O-rings. One will have black O-rings and the other will contain O-rings color matched to your fittings. For example, Red fittings and Red O-rings. If there is no logical color match, (Chrome for example) both bags will have black O-rings. Select the color you wish to use and store the other bag away for use as spares.

4. These O-rings are for the bottom of the fitting and conform to the G 1/4 standard. Carefully install one O-ring on each fitting making sure both the groove and O-ring are free of lint or any other debris as they can cause leaks.

5. The colored parts bag you will be using contains O-rings and ferrules specifically sized to work with the outside diameter of your tube. Install two of the O-rings into the grooves inside each barb / base being careful not to damage the O-rings. Refer to the illustration below for the location of the upper and lower O-ring grooves. You can use tweezers or a pointed--but not sharp--object to install the O-rings. A blunted tooth pick or a Q-tip with the fluffy part snipped off works well for this. Make sure both O-rings are actually in the grooves--sometimes the lower O-ring can inadvertently be installed onto the flange below the lower O-ring groove and not in it.

6. Install the barb / base into G 1/4 ports using the included wrench to tighten them down. Avoid over tightening.

7. Use a reamer or fine sand paper (or both) on the ends of your tube to knock the sharp edges off as these can cause damage to the O-ring seals when the tube is pressed into the barb / base.

8. It is a good practice to wash your hands, the tube ends and the ferrules with hot soapy water prior to assembly. Dish soap is fine--be careful not to lose parts down the drain--hey it happens =).

9. Slide the compression ring onto the end of your tube.

10. Slide the ferrule onto the end of your tube being sure it is orientated correctly--refer to the illustration at left.

11. Push the end of the tube into the base / barb making sure it is fully seated.

12. Making sure the tube stays fully seated you can now slide the ferrule down till it is in contact with the barb base. Do the same for the compression ring. Use the included wrench to tighten the compression ring. Do NOT overtighten as it is not necessary to form a seal.