

The insertion of the tee is recommended on the air syringe side of the operators position. If the air supply is from the handpiece tubing air, the turbine performance may be influenced so it is not recommended. There is a possibility that a mild drop off in air syring power will occur, depending on make and age of the unit. Water flow is never effected. There are two ways to return increased air flow. One decrease the air flow with the Airframe regulator thumb screw, or second have your compressor service maintenance person increase pressure output slightly and safely. The reality is any air syring drop off should be minimal and require no adjustments.

The process of the tee insertion is not difficult. There are two lines to a three way syringe, water and air. By pinching one line and depressing one button on the syringe see what happens! No water, let go, water. WELL, the other one is ...you got it. All those degrees are paying off! Hey now, I'm a doc myself. Snip the line and insert the tee. Your kit includes a straight line goof plug, because even the best of us have rare failures. And horrors, if the kit is to be returned that straight plug returns the unit to its original state. Should you need more your dental maintenance person can get one for \$4 quickly. We can send more, but it will take longer.

The kit includes 10 feet of medical grade tubing that is very elastic and helpful when one reaches the maximum working tether distance as the tug is very gentle. More tubing is available with a straight line splicing plug or another tee.

Begin assembly by cutting approximately 8 inches of tubing and placing a black grommet on each end. Allow for 3/4 inch to place through the two 1/8 inch holes at the top of the frame and secure the passed through tubing with two more black grommets. Next cut the tubing at the mid point and connect the metal tee, then add the regulator to to line at an arms length plus on foot and attach the line to the tee. Done.

All that remains is the operators choice of suspension (cap or visor) . Thin billed caps slide in easily but with adequate grip. Thicker bills take more effort but work well. The best size adjustments are with velcro. The less favorite are buckle types and one size fits all are not recommended. The tubing goes over the top of the cap/visor and is held in place by wedging in the adjustment strap spaces.

Attaching the polycarbonate shield is the final assembly step. Line up the center hole and slide it to the left making sure the shield wing are directed inward and slide either side up under the front flange and continue up until that side snaps in place. Repeat other side. The shields should provide clear vision for several months of continuous use. Cavié wipes on the exterior have not deteriorated the plastic. Disassembly requires caution and so far a common blunt butter knife or similar device will tease the shield up and over the retention points on the frame.

The insertion of the tea is recommended on the air syringe side of the operators position. If the air supply is from the hand piece tubing, the turbine performance may be influenced so it is not recommended. There is a possibility that a mild drop off of air syringe power depending upon make and age of the unit. Water flow is never affected. There are two ways to return increased airflow. One is decrease the airflow with the airframe regulator thumbscrew, or second have

your compressor service maintenance person increase pressure output slightly and safely. The reality is any syringe drop off should be minimal and require no adjustments.

The process of the tee insertion is not difficult. There are two lines to a three-way syringe, water and air. By pinching one line and depressing one button on the syringe see what happens! No water, let go, water. Well, the other one is... you got it!. Snip the line and insert the tee. The kit includes a straight line goof plug because of the best of us have rare failures. And horrors, if the kit is to be returned that straight line plug returns the unit to its original state. Should you need more, your dental maintenance person can get one for about \$4 quickly. We can send one but it would take longer.

The kit includes 10 feet of medical grade tubing that is very elastic and helpful when one reaches the maximum working tether distance as the tug is very gentle. More tubing is available with a straight line splicing plug or another tee.

Begin assembly by cutting approximately 8 inches of tubing and placing a black grommet on each end. Allow for 3/4 inch to pass through the two 1/8 inch holes at the top of the frame and secure the pass-through tubing with two more black grommets. The grommets on the under side of the frame require being forced up into to the grove with a dull tool such as small standard screwdriver. This seats the grommets so they are snug with the line. Next cut the tubing at the midpoint and connect the metal tee, then add the regulator to the line at arms length +1 foot and attach the line to the tea.

All that remains is the operators choice of suspension (cap/visor). Thin billed caps slide in easily and with adequate grip. Thicker billed caps take more effort but work well. The best size adjustments are with velcro straps. The least favorite are buckle types and one size fits all are not recommended. It is very important to have a suspension that is comfortable and will hold its desired position. The tubing goes over the top of cap/visor and is held in place by wedging it into the adjustment strap spaces. If the tubing is secure behind the head it will not be an annoying lateral distraction.

Attaching the 1mm thick polycarbonate shield is the final assembly step. Line up the center hole and slide it to the left making sure that the shield wings are directed inward and slide either side up under the front flange and continue up until that side snaps in place. Repeat the other side. The shield will provide clear vision for several months of continuous use. Cavie wipes on the exterior have not deteriorated the plastic. Disassembly requires caution and we have found a common butter knife or similar device will tease the shield up and over the retention points on the frame. Caution is required because due to the snug fit of the visor, one may be tempted to use a sharp object to pry off a shield and that could result in injury. **DO NOT USE A SHARP OBJECT TO REMOVE THE VISOR !** Again, a rounded but not sharp butter knife is ideal.

The shield will not autoclave. The Airframe will. The degree of sterility required is up to the operator not Airframe LLC. Suspensions can be replaced frequently, laundered daily, and

possibly autoclaved without disassembly of the device except for the size adjustment strap at the back of the cap/visor.