

Needed Tools:
Needle nose Pliers
Wire Cutters, or Scissors

Parts Included:
Ultrasonic tubing and Strain Relief
Straight through barb/coupler
(2) Plastic Sleeves

Replace Ultrasonic Handpiece Cord

1. Turn off main power and air supply to unit.
2. Run Air syringe to relieve compressed air in system.
3. Locate the ultrasonic bulkhead that attaches under delivery system (Fig.1)
4. Locate the bulkhead inside the cart and follow the attached wires to the ultrasonic board. Pinch the black plastic fitting to disconnect the wires from the board (Fig.2)(Fig.3)

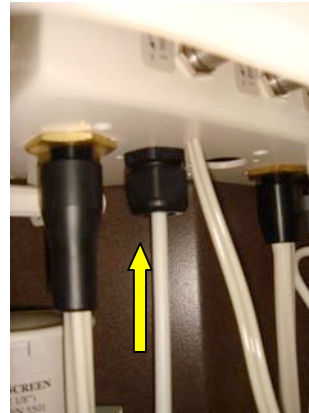


Fig.1



Fig.3 Pinch Black Plastic fitting to disconnect



Fig.2 Locate bulkhead inside cart

5. Follow the clear waterline tubing inside the ultrasonic cord to the straight through barb/connector and cut connecting blue tube from the coolant control valve. (Fig.4)

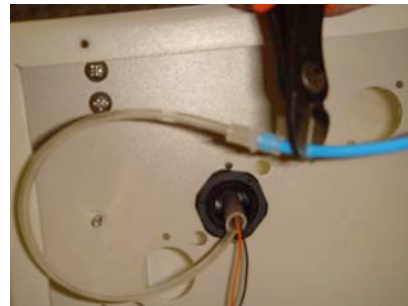


Fig.4 Cut tubing on either side of barb/connector

6. Locate bulkhead inside cart and loosen the black plastic nut with Needle nose pliers turning counter clock-wise, then remove. (Fig.6)(Fig.7)

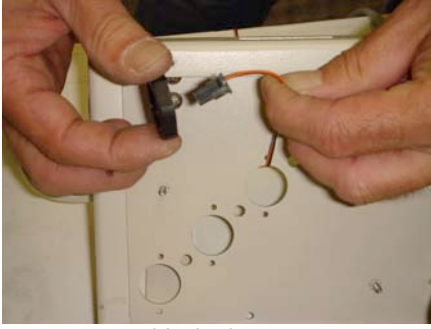


Fig.7 Remove black plastic nut

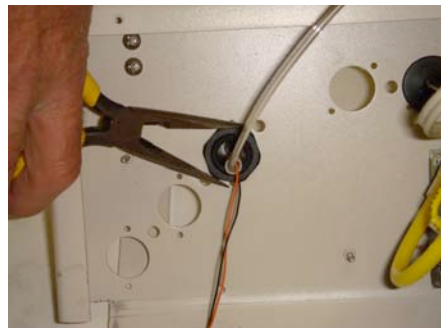


Fig.6 Loosen plastic nut

7. On the new ultrasonic cord, remove the black plastic nut. It is just like the one you removed in step 6 (Fig.8)
8. Feed new wires and tubing up through the existing hole in the baseplate.
9. Once tubing is through the hole, re-string the black plastic nut onto tubing and tighten using Needle nose pliers, like Step # 6.(Fig.10)
10. Re-connect the black plastic fitting to connect the wires to the board. (Fig.11)



Fig.8 Remove black plastic nut on new ultrasonic cord

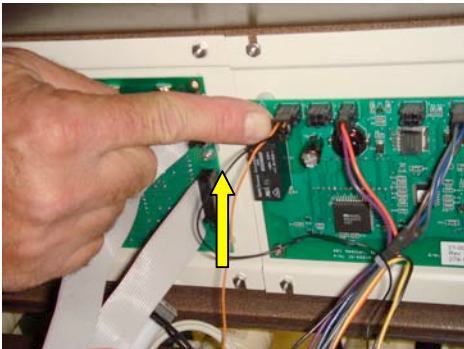


Fig.11 Re-attach plastic fitting to board to reconnect wires

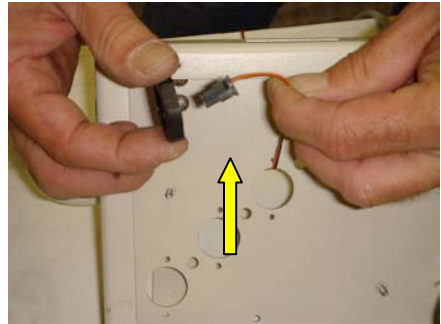


Fig.10

11. Locate both ends water line tubing. One will be inside the new ultrasonic cord (clear tubing); the other will be coming from the control block (blue tubing). Using supplied sleeve, place sleeve over the clear waterline tubing, then using supplied straight through barb/connector insert barb into clear waterline tubing, then push the sleeve over barb after the tubing is seated. Repeat for other tubing to join both ends together. **Note:** pulling back on tubing while sliding the sleeve over, will help seat and secure the sleeve.

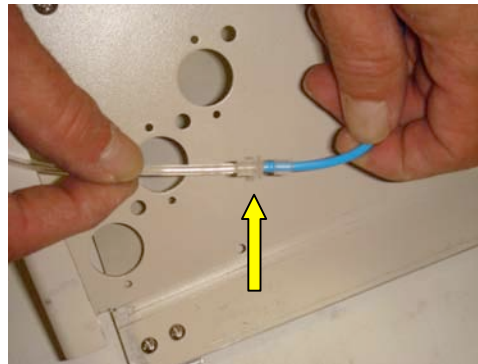


Fig.11 Place sleeve over tubing and insert straight through connector/barb

12. Close the delivery system top, turn on unit and run the ultrasonic to test proper connection.