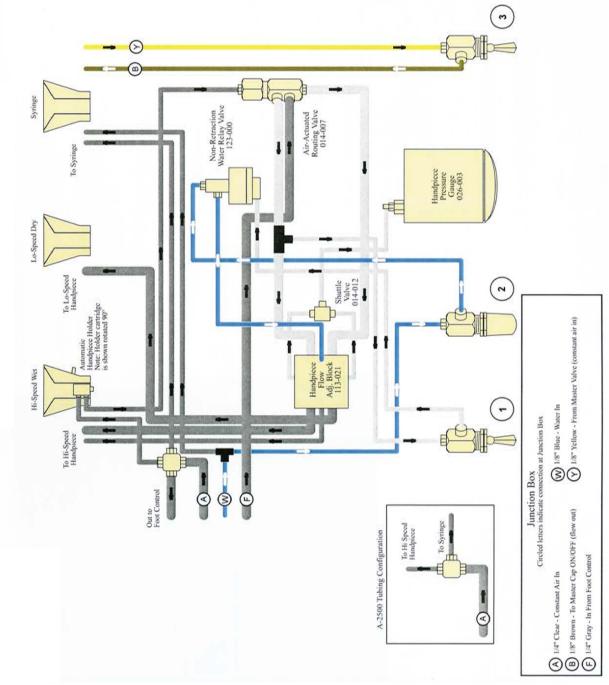
Tee Water Coolant On-Oil Toegele 120-000 121-009 Waster On-Oil Toegele 120-000 Waster On-Oil Toegele 178" Clear 144" Cray 118" Blue 118" Brown 118" Brown 118" Stown



LIMITED WARRANTY

DENTALAIRE warrants its products to be free from defects in materials and workmanship only. No other warranties are expressed or implied.

Air Compressors & Portable Dental Units

All compressors and portable dental units including wall-mounted and countertop units are warranted for one (1) year with the exception of:

- Prestige Dental Station two (2) years
- Diplomate Dental Station two (2) years

Handpieces and Accessories on Dental Stations

Proof of invoice is required and defective scaler tips are to be sent back.

- · High-speed Handpiece one (1) year
- High-speed Handpiece Turbine three (3) months
- · Low-speed Handpiece one (1) year
- True Seal Prophy Angles one (1) year
- Economy Prophy Angles three (3) months
- Scaler Tips ninety (90) days
- LM Piezo Ultrasonic Scaler Handpiece one (1) year
- Metal Piezo Handpiece (1) year

All other prophy angles and tips are not applied. Warranty is limited repair, parts, or replacement of item by Dentalaire. All other warranties are described in the individual product description.

Service Parts

• Ninety (90) days

Terms and Conditions

Terms of payment will be established by results of credit report/references. Once credit terms are established, invoices will reflect terms extended by Dentalaire.

- Order placement/information to include:
- Invoice to/Ship to information
- Purchase Order Number
- · Product Number
- Product Description
- Quantity
- Desired Shipping Date
- Method of Shipment

Note: Opened handpieces and equipment may not be returned for credit, but will be repaired or replaced in accordance with manufacturer warranties. All warranty items, anything after 90 days, customer is responsible for the freight. Please inspect all packages carefully prior to opening.

Returns

Returned items are subject to a 25% restocking fee.

Disclaimer

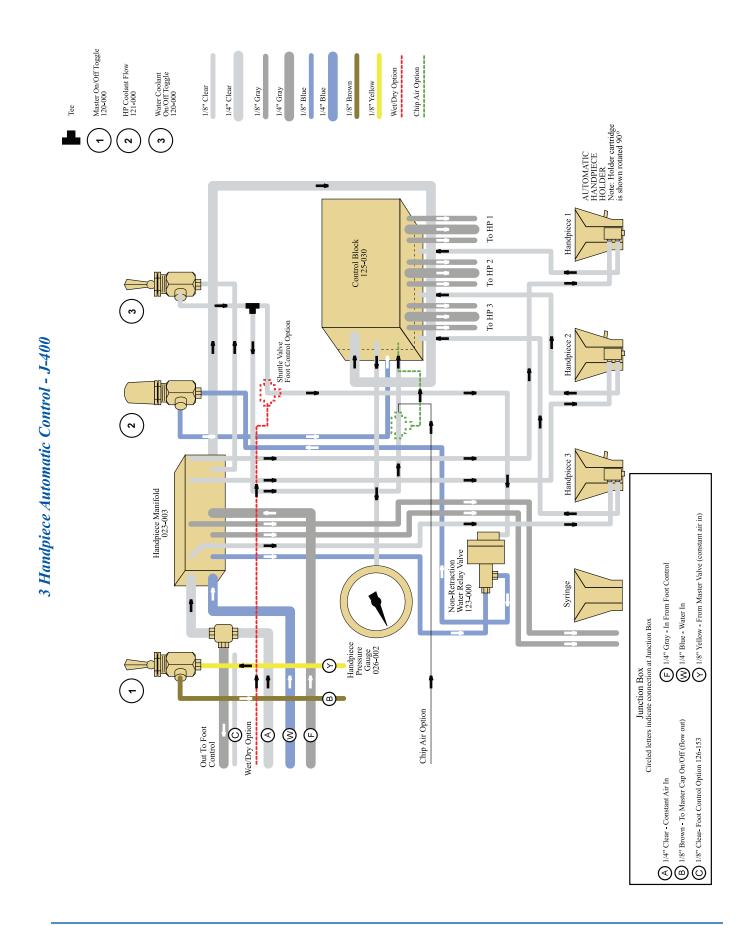
THE ABOVE WARRANTIES ARE VOID IF ITEMS ARE CARELESSLY USED, IMPROPERLY INSTALLED, IMPROPERLY STERILIZED, AND/OR MISUSED. NO CLAIM FOR LABOR OR CONSEQUENTIAL DAMAGES WILL BE ALLOWED. SHIPPING IS THE RESPONSIBILITY OF THE CUSTOMER. ANY DISCREPANCIES IN YOUR ORDER MUST BE REPORTED WITHIN 10 DAYS OF RECEIPT OF THE ORDER.

20 Dentalaire Dental Stations Dentalaire Dental Stations 1

SET UP PROCEDURE FOR DENTALAIRE DENTAL STATIONS

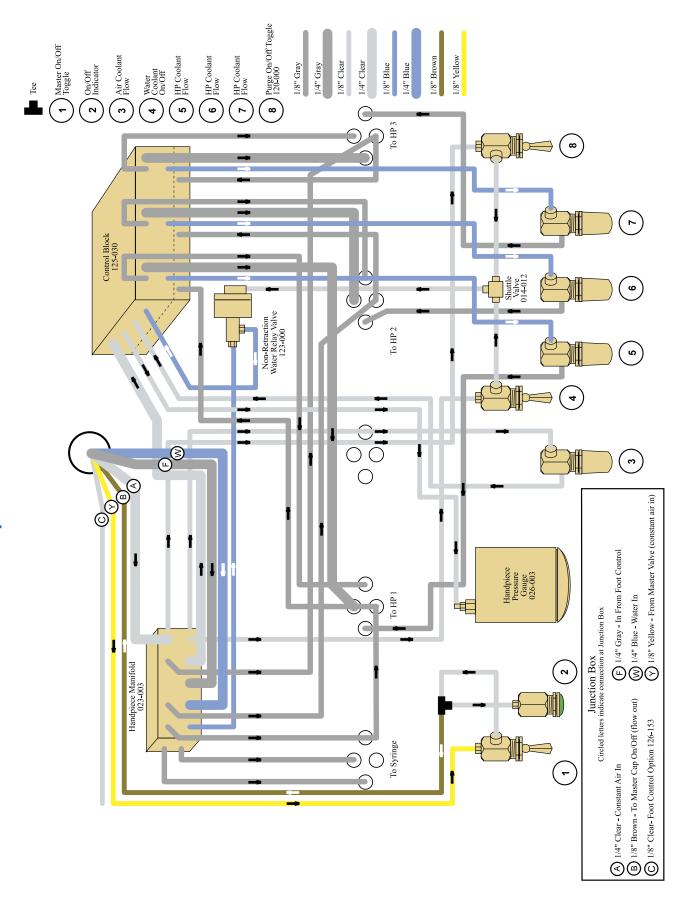
- **Step 1:** Please inspect the unit and packaging for any damages and report it to Dentalaire at (800)866-6881 immediately or note on paperwork while receiving a damaged unit.
- **Step 2:** Carefully remove all the packing material. Do not use scissors or a razor blade to remove packaging as it can cut and damage the unit.
- **Step 3:** Remove the large zip ties holding the compressor to the cart frame. Large scissors or wire cutters work best.
- **Step 4:** Remove red cap from the back of the compressor and replace with the air intake filter. Point the hole on the air intake filter up.
- **Step 5:** Open the bottle of synthetic compressor oil. Locate the oil fill hole on the top of the compressor. This is where you add the oil. Add the oil slowly as to not over fill. When adding oil, once you see oil in the sight glass wait a minute and let the oil settle then slowly add more as needed. You want the sight glass only half full of oil. The oil level should be as close to the middle as possible. If you fill it completely full, please call Dentalaire for assistance. On mobile dental stations it is easier to fill the compressor with oil, when the table is raised to its highest level.
- **Step 6:** Fill the water bottle or bottles with distilled water leaving about two inches of air space at the top.
- **Step 7:** Plug the main power cord into a 120 Volt grounded outlet. Turn on the multiple outlet strip underneath the top of the machine, a red light will indicate the power is on. Now turn on the compressor. The compressors on/off switch is located behind the top gauge on the compressor.
- **Step 8:** Unpack the handpieces- Note each hand piece comes with its own set of instructions. Please read and follow these instructions carefully.
- **Step 9:** Attach the handpieces to the appropriately labeled tubing's as tight as possible to not have any leaks.
- **Step 10:** Use the machine and make sure everything is working properly. Please call us if you have any questions or concerns.

Note: If the unit was ordered with an oil-less compressor. The only maintenance required for an oil-less compressor is draining the tank at the end of each day of use. The drain valve is located at the bottom of the compressor. If the unit was purchased after June 2023 there is no drain valve. The oil-less compressor has an auto drain built into the compressor (no maintenance is required for this style of compressor).



Dentalaire Dental Stations Dentalaire Dental Stations 19

18



Dentalaire Dental Stations

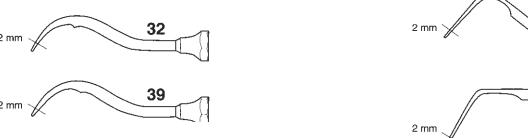


Attaching Handpiece

CAUTION: Do not operate any handpiece without a bur, prophy angle, contra angle or bur blank tightened securely in place. Permanent Turbine/Chuck damage will result!

Step 11: Next open up the bag containing the parts to your piezo scaler. There are two blue rubber sleeves, to install simply slip over the handpiece. You have two scaler tips that come with your scaler. One is the # 32 tip, which is your flat or wide tip. The other tip is the # 39 tip, which is your universal tip. These tips are screwed into place using one of the two tip wrenches included. Now you gently screw the dental tip into place, finger tight at first then snug tight with one of the tip wrenches. Dentalaire also carries a true Perio Tip for subgingival scaling. It is a little longer and thinner than the Universal Tip (# 39 tip). DTP00786 is the order number for the Special/Perio Tip (# 33 tip). Lubricating Handpiece Attaching Handpiece Dental Inserts.

Step 12: Please make sure the water switch is on (only certain units will have an on/off switch) and the water flow control knob is open. Counterclockwise will increase water flow (to the left), clockwise will decrease water flow and all the way clockwise will shut it off (turning all the way to the right). The little button on the foot control activates the piezo electric scaler only. A good starting point for the scaler intensity is usually around 50% (this is the knob you can turn from 10-100). The intensity can be increased as needed for each different dental. If you do a large number of dentals, e.g. 15–20 a day, 5 days a week, you could wear these tips out in 3–4 months.



Dental Inserts

IMPORTANT NOTE

After Treatment:

- 1. Screw off tip, counter-clockwise, with tip wrench.
- 2. Squeeze the Ergo Grip gently at the top and at the same time slide it off the handpiece. Do not squeeze too hard at the Ergo Grip as this can make the removal difficult.
- 3. Clean and sterilize the equipment according to the general cleaning procedure.

Dentalaire Dental Stations

CAUTION: Never, ever use worn out tips. This will result in severe damage to the handpiece. Please routinely check the tips by using the chart provided, which shows expected tip wear. Remember, if you are having to constantly adjust the power setting up, the tips are probably worn and need to be replaced.

Enjoy your new dental unit. Please call us at (800)866-6881 if you have any questions. We are here to help in any way we can.

Please note: If you have any kind of damage, please notify Dentalaire right away. We have a two week window where we can make a claim if there are any damages to the dental station. After that, if you get a dental station from us, have it for a month, open it up and then find damages, we cannot get any kind of credit from our shipper. This makes it very difficult for all parties involved. Thanks for your help in this matter.

SELECTION OF HANDPIECES

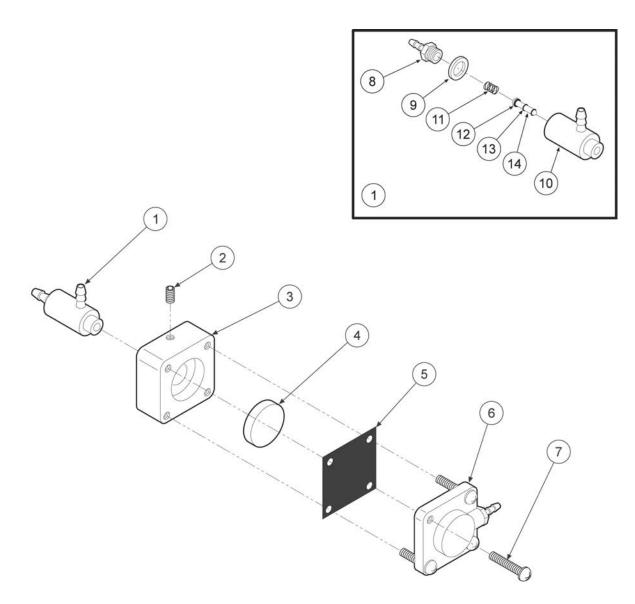
Your dental station comes with a high-speed and a Low-speed handpiece. The high-speed is for drilling and sectioning of the teeth. The low speed is used mainly for polishing. It also can have an air scaler or a piezo scaler, which is used to scale (clean) the teeth.

OPERATION OF HANDPIECES

High-Speed Handpiece operates at pressures of 38 to 40 PSI and attains a speed of 350,000 to 400,000 RPM. The water mist helps to keep the handpiece motor and bur cool, as well as the patient's tooth cool while doing restorations, cutting or rotary prophy scaling procedures. Constant preventive maintenance is essential in caring for handpieces. If they are not properly cleaned and lubricated, abrasives such as finely ground tooth, metal will cause excessive wear and undue vibration.

To insert or remove burs from the high-speed drill hand piece on units that have a push button bur changer, to insert the bur simply push your thumb on the back cap of the high-speed handpiece hand piece enough to feel a solid click to engage and open the chuck. Once you have pushed hard enough to feel a solid click, then you insert the bur all the way in as far as you can. To take the bur out repeat the above step and then pull out the bur. When inserting and removing burs from the drill on standard non-push-button handpiece, use the bur tool by holding it between the thumb and forefinger. Slide the bur tool over the head of the handpiece. Pull the wrench knob away from the head, then push the knob back to engage the chuck. The square tip of the wrench must fit into the square hole inside of the handpiece head (this is the chuck). To remove the bur, rotate the wrench one full turn Counter Clockwise until the bur is free. To tighten, rotate the wrench one full turn Clockwise until the bur, as serious damage can result to the chuck and bur tool.

Dentalaire Dental Stations

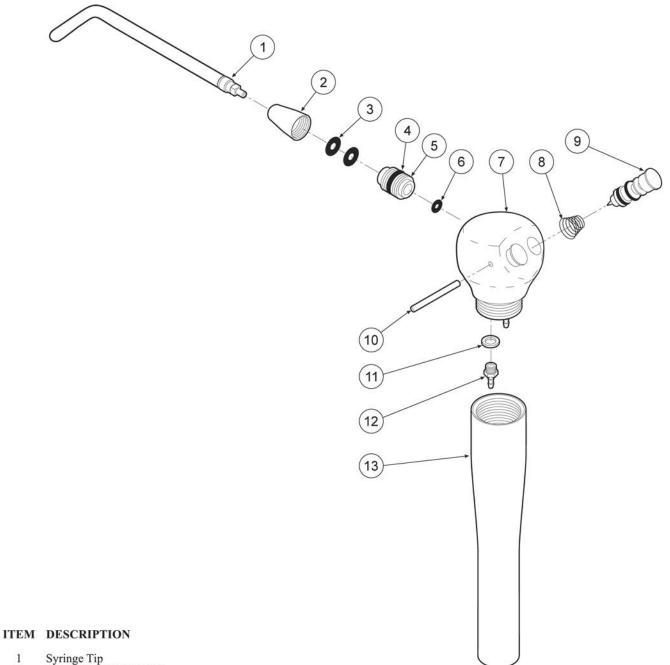


ITEM PART DESCRIPTION

- 1 Cartridge Body Assembly.
- Set Screw, 4-40 x 5/8"
- 3 Body
- 4 Piston
- 5 Diaphragm
- 6 Cap
- Screw, #4 x 1/2"
- Barb, 10-32 x 1/16"
- Plastic Washer, 1/4"
- 0 Valve Body
- 1 Spring
- 2 O-Ring, 002
- 13 O-Ring, 001
- 14 Ster

Water Relay A23-000

Dentalaire Dental Stations 17



3-Way Syringe A113 - 400

- Syringe Tip Nut
- O-Ring, 006
- O-Ring, 228-040
- Syringe Tip Adapter
- O-Ring, 003
- Syringe Head
- Spring
- Syringe Cartridge
- Pin, Syringe Cartridge
- Plastic Washer, 8-32
- Barb, 8-32 x 1/16"
- Syringe Handle





Push Button Bur

Bur Tool Changing

If you do not put the bur in all the way it will damage the chuck. You will then need to purchase a new turbine for your high-speed handpiece.

Slow-Speed Handpiece operates at pressures of 32 to 40 PSI and generates speeds from a crawl to 5500 RPM depending on the pressure applied to the foot control. The slow speed should be placed on the right side of the delivery system (dry side), as no coolant is needed for the slow speed procedures.

As with the high-speed handpiece, always read and follow manufacturer's instructions for operation, lubrication, cleaning, and sterilization for the slow speed motor and attachments.

Slow-Speed Handpiece Nose Portion Swivels 360° To Reduce Hand Fatigue



16 Dentalaire Dental Stations DENTALAIRE DENTAL STATIONS To attach prophy angles, contra angles, cutting wheels or handpiece burs to the handpiece, simply turn lock ring to unlock position slide in prophy angle then turn to lock position. Please note: If the prophy angle ever gets stuck, once you have removed it you can spray Lubricant into the bottom of the prophy angle. This should help resolve the problem.

CAUTION: Do not run slow-speed unless an angle or bur is installed as serious chuck damage will result.

CLEANING OF HIGH-SPEED AND SLOW-SPEED HANDPIECES

Before cleaning procedures the bur must be removed from the handpiece. The handpiece must be cleaned with a brush or wiped with alcohol after each patient.

Never use any type of chemicals to clean these handpieces. This includes Nolvasan, Roccal D, chemicals used in Ultrasonic cleaners. These cleaners will ruin the turbines and bearings in the handpieces.

STERILIZATION OF HIGH AND SLOW-SPEED HANDPIECES

- 1. The handpiece must be sterilized by autoclave for 15 minutes at 135°C (275°F). Do not exceed 275°F when autoclaving.
- 2. Only use non chlorine products, and no chemical solutions.
- 3. Do not sterilize the high-speed handpiece with the bur inserted. Also, never sterilize the low speed with the prophy angle attached.
- 4. Always lubricate the handpieces before you autoclave them, then once handpiece has returned to room temperature you should lubricate it again.

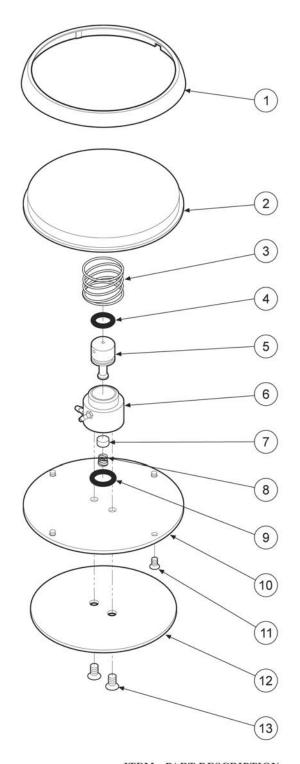
REPAIR AND REPLACING THE HIGH-SPEED CARTRIDGE

Only use the original replacement turbines, for total assurance of quality control and product life. The cartridge is a fragile instrument. Please call our service department if you have questions or need help in replacing this part.

DA400RCA – Push Button Turbine w/Cap DANSK-A485 – Push Button Turbine Only DA400RC – Standard Type Turbine ITEM PART DESCRIPTION Syringe Tip Syringe Tip Nut O-Ring, 006. Syringe Tip Adapter O-Ring, 228-040 O-Ring, 003 Syringe Plug, Blue Syringe Plug, Yellow Syringe Valve Core O-Ring, 008 Syringe Button, Pin Style Syringe Head Pin, 1/16 x 3/4" Plastic Washer, 8-32

Dentalaire Dental Stations Denial Stations 15

Barb, 8-32 x 1/16" Syringe Handle



ITEM PART DESCRIPTION

- Ring
- Cover
- Spring
- O-Ring, 012
- Stem
- Body
- Poppet

ITEM PART DESCRIPTION

- O-Ring, 013
- Baseplate
- Screw, 4-40 x 1/4"
- Rubber Pad
- Screw, 6-32 x 1/4"

WATER COOLANT

ADDING WATER TO DENTAL SYSTEM

Slowly remove water bottle from pressure manifold assembly and add distilled water only. Leave approximately two inches of air space at the top. Replace bottle, tighten until secure. Mobile cart, wall mount and table mount systems hold 1500 ml. of water. Counter-top units hold 1000 ml. of water.

AIR / WATER SYRINGE

All of our dental stations come with an air / water syringe installed and ready to use. Depress the left button for water only. Depress the right button for air only. Depress both buttons to get a mist spray.

MAINTENANCE OF THE DENTALAIRE SYSTEMS

COMPRESSOR

Oil Change: Please change the oil in the compressor once a year. To change the oil, you want to start by taking the compressor out of the Cart Frame, unplugging the black power cord and main Air line then remove the white cover off of the compressor by removing the six bolts at the bottom. Now tilt the compressor away from you and unscrew the site glass indicator. Tip the compressor forward and pour the oil into a small bucket or coffee can. Next screw the site glass back on. Put the white cover back over the compressor and screw in the six bolts.



DENTALAIRE DENTAL STATIONS DENTALAIRE DENTAL STATIONS Please refer to our Compressor Maintenance Guide Chart below to help you keep the compressor running in top form.

COMPRESSOR MAINTENANCE GUIDE CHART

Maintenance Procedure	Daily	Weekly	Monthly	Annually
Purge Drain	Х			
Vent Moisture Trap		X		
Check Oil Level			Х	
Clean Air Filter Intake				Х
Change Oil				Х
Complete Check of System				Х

SERVICE AND MAINTENANCE LOG

Service Performed Date Serviced By

1. Initial Installation

AIR / WATER SYRINGE

Air or water leakage from the syringe is due to worn or damaged O-Rings on button assemblies. To rebuild syringe first remove the pin on the side of the head of the hand piece. Push the pin out of the syringe head with a small Allen wrench or something similar. Pushing down slightly on the buttons will help to remove the pin. Once the pin is removed, then simply pull the buttons straight out of the syringe head. Clean out the cylinders with a Q-tip. Re-install the Air/Water buttons. When inserting the buttons push the buttons down into the head of the handpiece and then let them rise slightly. The pin should push in with very little resistance. If too much resistance is felt make sure you are not pushing the pin into the O-rings on the buttons. Syringe Rebuild Kit Item # A113-403

ORAL ILLUMINATION

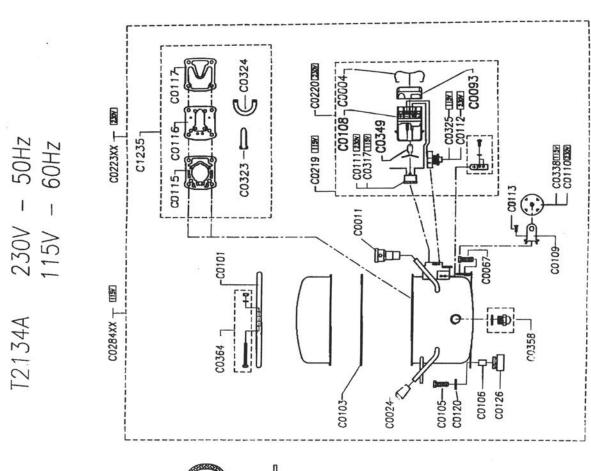
This refers to the high-speed handpieces that has a fiber-optic system. This unit will periodically require a change in the Halogen Light Bulb. Here's how to change the bulb. (Note newer machines use LED bulbs that will not need replacement).

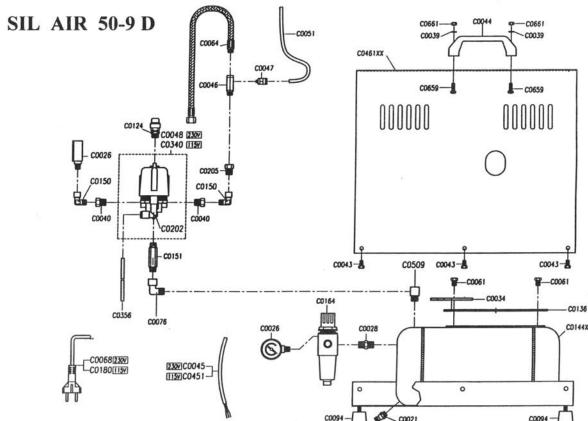
- 1. Please make sure you are wearing gloves (before) handling the new bulb. The oils from your hand will ruin the new halogen bulb.
- 2. Slide both sleeves back from the connector nut exposing the bulb on the side of housing.
- 3. Remove old bulb.
- 4. Install new bulb.
- 5. Place bulb back into housing
- 6. Slide sleeve over housing.
- 7. Reinstall high speed handpiece.

C0004
C0011
C0026
C0037
C0037
C0043
C0044
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Dentalaire Dental Stations

Dentalaire Dental Stations





DA400FOB - FIBER-OPTIC HALOGEN REPLACEMENT BULB





TROUBLE SHOOTING GUIDE

NO COOLANT WATER

- Water bottle empty.
- Flow control knob is closed.
- On / Off toggle is off.
- High speed handpiece is in the low speed position
- Faulty water relay valve.
- Plugged coolant port in handpiece

COOLANT WATER DOES NOT SHUT OFF

- Faulty water relay valve.
- Water On / Off toggle left on

COOLANT WATER LEAKING FROM HANDPIECE

- Missing or damaged handpiece connector gasket.
- Faulty water relay valve.
- Slow speed handpiece is in the high speed position.

MORE THAN ONE HANDPIECE RUNS AT THE SAME TIME

- Handpieces are not positioned all the way down in the holders.
- Faulty auto block diaphragm.

AIR / WATER SYRINGE PROBLEMS

Water drips from tip.

• Faulty valve core

Button blow out.

• Tip is plugged at the end.

Dentalaire Dental Stations

Dentalaire Dental Stations

Dentalaire Dental Stations

- Tip is not installed all the way into the into the Air Water Sprayer. (Loosen nut, press tip further into connector and tighten nut while holding the tip in)
- Faulty o-ring in tip adapter.

Air or water leaks from buttons when in use.

• Faulty buttons.

Low air or water flow cont:

- Improper regulator adjustment
- Empty water bottle
- Kinked supply tubing.
- Plugged tubing.
- Plugged syringe head

FOOT CONTROL HISSES

- Faulty foot control popped valve.
- Foot control tubing connected backwards.

HANDPIECE TUBING BLOWS OFF

• Handpiece has been over pressurized.

COMPRESSOR WON'T TURN ON

- Check power source. Check tank pressure (compressor will not turn on if tank is fully pressurized).
- Faulty starting capacitor (replace).
- Compressor is over-heated and the thermal safety switch is off. (Let unit cool and it will come on automatically, usually in 20 30 minutes).

HANDPIECE LACKS POWER

- Inadequate tank pressure.
- Improper regulator pressure (reset regulator).
- Improper individual handpiece pressure adjustment.
- Faulty foot control.
- Handpiece connector gasket is missing.
- Directional selector ring is not rotated all the way into forward or reverse. (Slow speed handpiece only)
- Faulty handpiece tubing.

COMPRESSOR RUNS. BUT WON'T PRESSURIZE FULLY

- Plug is on the air inlet. Replace with air filter.
- Compressor tank drain valve is leaking air.
- Faulty check valve between compressor and filter tank.

COMPRESSOR OVERHEATS

- Air inlet is plugged.
- Handpiece pressure is set too high.

• Handpiece has been run for too long a time and the 50% duty cycle has been exceeded.

UNIT IS PRESSURIZED BUT HANDPIECE DOES NOT RUN

- Regulator pressure is low or off.
- Supply tubing from regulator to control head is kinked.
- Faulty foot control.
- Handpiece directional ring is between forward and reverse (slow speed handpiece only).
- Faulty handpiece turbine.

TROUBLE SHOOTING GUIDE FOR BUILT IN AMDENT PIEZO SCALER

THE SCALER WON'T RUN

• Check main power, main fuse, On / Off Switch.

WEAK OR NO TIP VIBRATION

- Increase the power control setting.
- Check to see if tip is tightened properly.
- The tip is worn out, replace with new tip.
- Change to a new handpiece.
- Faulty air switch.
- Change back to the old handpiece and then replace the electronic part.
- Replace both the handpiece and electronic part.

INSUFFICIENT WATER SPRAY

- Turn the knob to full open position.
- Check / replace water filter.
- Check all water connections. Be sure there is no leakage or kinked tubing.
- Remove the tip, if the water is dripping from the handpiece, replace the tip.
- Check the delivery unit's control block that activates the water out to the scaler handpiece is working properly.

FOOT PEDAL OPERATIONS:

This is for Dentalaire units with a piezo scaler. This foot pedal has two buttons, one large and one small. The large button is for operating the high and low speed handpieces. The small button is for operating the piezo scaler only.



10 Dentalaire Dental Stations Dentalaire Dental Stations 11