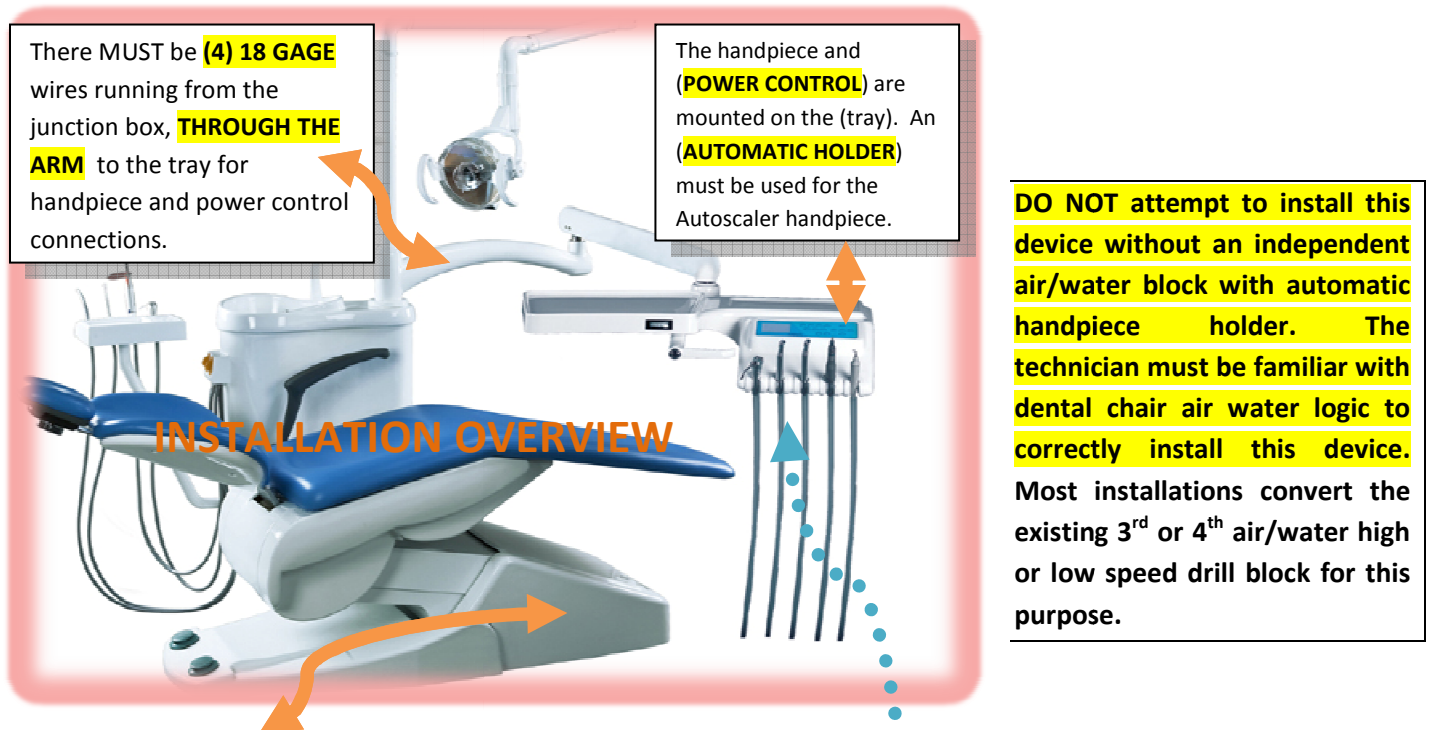


**INSTALLATION GUIDE:** Most dental chairs utilize similar configurations. This GUIDE is to assist the technician. It is the responsibility of the technician to properly install and confirm proper function with the particular chair manufacturer configuration.



The Autoscaler (**CONSOLE**) is mounted under the chair or (**JUNCTION BOX**). NOTE: If the Autoscaler receives an air signal from another source (i.e. high speed or low speed drill) it can damage the device and the handpiece assembly.

**WATER FLOW** to the handpiece is received from the air/water block (**NEEDLE VALVE**). When the main air rheostat is pressed, an air signal is sent to the Autoscaler console to (cavitate the insert) and the air/water block opens to release water flow to the handpiece. Quickly adjust the water knob to get water flowing.

### If no water is present:

- ✚ THE HANDPIECE WILL BECOME OVERHEATED AND DAMAGE THE HANDPIECE WITHIN 30 SECONDS.
- ✚ DO NOT ACTIVATE THE AUTOSCALER WITHOUT AN INSERT IN THE HANDPIECE. THIS CAN CAUSE THE INTERNAL COIL TO OVERHEAT AND DAMAGE THE HANDPIECE.

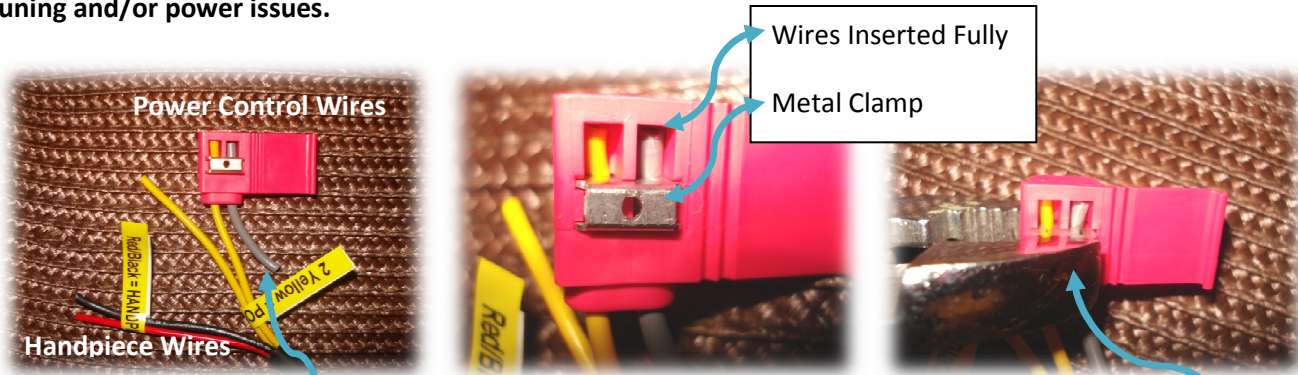
### Connections on the console are:

- ✚ **Front Panel** - Connector for handpiece and power control wires.
- ✚ Black and Red wires are for the HANDPIECE. There is NO POLARITY for the handpiece wires.
- ✚ 2 Yellow wires are for the POWER CONTROL. There is NO POLARITY for the power control wires.
- ✚ **ALL WIRES MUST BE 18 GAGE. THINNER WIRE WILL RESULT IN THE WIRE HEATING AND LOSS OF POWER and/or TUNING.**
- ✚ **Rear Panel** - Air input line yellow 1/16" to receive the independent activation signal (20 to 60 PSI Range) from the dedicated air/water block (chip/drive air). **BE SURE when the Autoscaler handpiece is picked up from the automatic holder, no other air handpieces are activated. Verify that when a high or low speed drill is removed from the automatic holder the Autoscaler does not receive an air signal and activate. If so, it will permanently damage the Autoscaler. Only ONE handpiece should activate at a time when picked from the holder.**
- ✚ Rear Panel - AC power plug on rear panel.

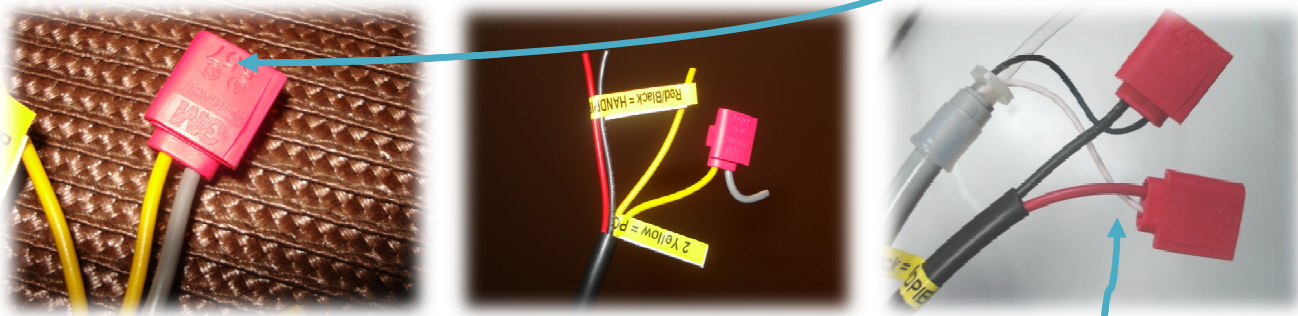
**INSTALLATION GUIDE:** Most dental chairs utilize similar configurations. This **GUIDE** is to assist the technician. It is the responsibility of the technician to properly install and confirm proper function with the particular chair manufacturer configuration.

**Enclosed are (10)** Scotchlok 557 wire connectors to complete your wire connections. Only 8 are needed and two are spares. Tools needed are pliers to compress and secure the Scotchlok 557 connector. The example shows one connection for the power control yellow wires connecting to the existing wires from the dental unit arm.

Remember the existing wires in the dental chair arm **MUST** be 18 gage in order not to overheat the wires and cause tuning and/or power issues.



Example shows hookup of **one** of the 4 wires on the console side in the junction box. Insert one yellow wire into the connector and one of the wires from the chair arm. Make sure both wires are inserted fully. Take your **pliers** and pinch the metal clamp fully until it **clicks and is flat with the plastic**. Fold over the **plastic lid** until it locks. Repeat process for other connections. **NOTE If the Scotchlok 557 connector fails to complete the connection, the technician MUST SOLDER the wires and apply a UL or CSA approved heat shrink. DO NOT twist or wire nut the connections.**



On the tray side repeat the same method for the handpiece and power control wires. **NOTE** the handpiece wires are **thinner and care should be noted** that the wires are fully inserted and align straight in the **metal clamp blades** to make a secure connection.