

GENERAL INFORMATION

HSP Integra 2001 Dental Chair - Operating Instructions

Security Stop/Safety Switch

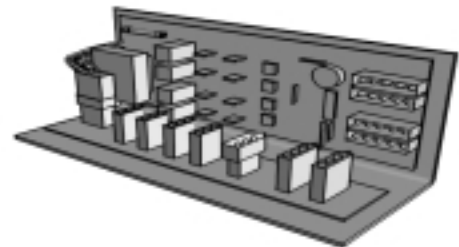
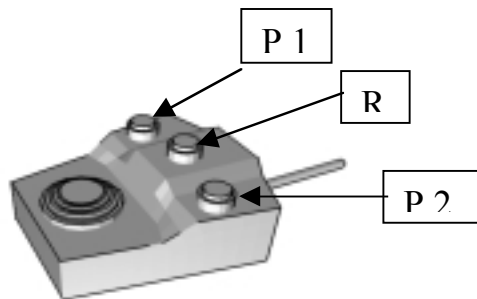
This security stop/safety switch is located on the rear underside of the chair. It is on the bottom cantilever arm of the base of the chair. This switch will stop all the movements of the chair. This is accomplished by pushing up on the bottom plastic cover, of the bottom/lower cantilever arm, of the chair base. This switch is provided to prevent accidents, i.e. objects placed or left between the lower cantilever arm of the chair and the base plate. If the lower cantilever of the chair comes in contact with any object, prior to reaching its lowest position, when being lowered, the chair movements will automatically and immediately stop. By pushing up on the security switch a second time, the chair base will automatically rise to the up position. **Touching any of the control buttons, located on the foot-control, will automatically stop the movements of the chair.**



Automatic Programs for Working Positions

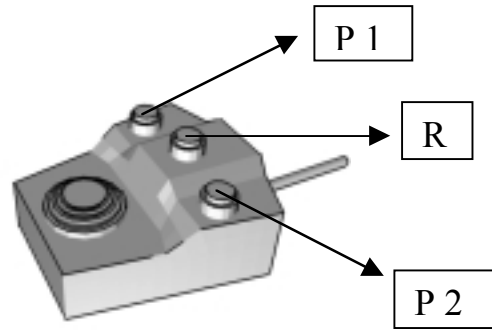
The dental chair has two automated memory working program positions. These programs are controlled by the P-1 gray button and the P-2 black button located on the chair foot-control. These programs can be pre-set to each individual's desired working positions.

To install a program in pre-position memory in the circuit board, move the chair base and back to the position desired. Depress the program button (P-1 or P-2) for three seconds. When the position is accepted in the circuit memory, a short beep will sound signaling the acceptance of the pre-programmed position. Likewise, to change the program to a new position, repeat the same procedure.



GENERAL INFORMATION

HSP Integra 2001 Dental Chair - Operating Instructions



Factory Pre-Programmed Positions

The chair is shipped from the factory with the following pre-set programmed positions. The dentist operator may change these positions to any work positions desired.

The P- I gray button is normally used as an automated work position for the mandibular work position. This position will raise the chair base slightly and lower the chair back to a three-quarter-angle position. This position is normally used for working on the mandibular anterior tooth surfaces when the dentist is seated at the nine o'clock position utilizing indirect vision.

The P-2 black button is normally used as an automated work position for the maxillary and mandibular work positions, where direct vision is utilized. This position will raise the chair base to a higher position and lower the chair back to a full supine position. This position is normally used when the dentist is seated at the eleven o'clock position utilizing direct vision.

Automatic Patient Return/Exit Position

The dental chair is equipped with an automatic patient exit position ("R" green) button located on the foot control. This green button automatically lowers the chair base to the full low position while raising the chair back to the full up position for patient exit.

GENERAL INFORMATION

HSP Integra 2001 Dental Chair - Operating Instructions



Head Rest Positioning

The chair is equipped with a head rest positioner (pillow cushion) to properly support the patient's head and neck as well as positions the patient's head for direct vision. The headrest positioner is held in place by a strap attached to the backside of the dental chair by a Velcro attachment. To adjust the headrest up or down, simply pull the strap up, adjust the headrest, then reattach the strap to the back of the chair.

Mandibular Positioning

Push the head rest positioner down and allow the head to rotate slightly forward, pushing the mandibular arch forward for proper direct vision positioning. Rotate the head either to the left or right, depending upon the desired tooth surface to attain a direct line of vision.

Maxillary Positioning

Push the head rest positioner down and allow the head to fully rotate back for the maxillary proper direct vision positioning. Rotate the head to either the left or right, depending upon the desired tooth surface to attain a direct line of vision.

Synchronized Seat Tilt

The seat tilt is automatically adjusted for ideal patient positioning and comfort by a uniquely designed, motor driven linkage system.

Warning

In order to avoid accidents, the chair must not be operated by children and by persons not familiar with the operations of the chair.

Warning

Before removing the front chair base cover, the chair must be disconnected from the main power supply. This is accomplished by unplugging the main power supply cord.

Main Power Cord and Medical Grade Plug

The main power cord and medical grade plug is located on the front cover of the chair base. If a HSP unit is mounted on the chair, the main power cord and plug will be located in the unit junction box.

HSP UNIT - CHAIR SWINGARM MOUNT & LIGHT POST INSTALLATION

HSP Integra 2001 Dental Chair

To mount HSP Unit and Light, to the Integra Dental Chair, attach mounting tubular arms to the steel mount as shown. The Chair must be installed on a level floor surface.

To mount other units or to mount the HSP Unit Swingarm to the HSP Integra Dental Chair:

Chairmount with 40" Light Post and Light Adapter:

(Chairmounts must be ordered from HSP for other units to assure proper unit or light mounting.)

1. Insert the light post adapter in the top of the light post.
2. The light post kit includes a 50" post with a light post adapter, (specify light), and a 7' cord with a male quick connect plug. Plug the male quick connect plug into the chair circuit board.
3. Insert the light adapter in the top of the post. Plug the light and cord together. Thread the cord down through the post, the HSP unit swingarm and chair base. Plug the cord; with the male molex quick connect, into the circuit board located in the front of the chair base. Remove the plastic service door, on the front of the chair base to reach the circuit board, inside the base plastic cover.
4. Light Post Leveling: Re-check the vertical plumb of the post with your level. The post may need additional adjustment since it has been fully loaded. Level the light post, by using shims under the Dental Chair Base. Shim the opposite side of the chair base to level or make plumb the light post. Repeat until the post is vertically plumbed. The light post must be vertically plumbed to prevent the light arms and head from drifting. This will keep the light head in the correct operating position.

