Spirit 1700
SII SERIES
Dental Chair
USER MANUAL
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Technical Support

Technical assistance is available Monday through Friday, 8:00 am to 8:00 pm (Eastern Standard Time).

Phone: 800-659-5922
Fax: 800-659-7255
Customer Service: 800-659-6560
GENERAL INFORMATION

Definition of Symbols
The following symbols and terms may be used throughout this manual and your equipment:

- **WARNING:** Failure to carefully follow the described procedure may result in damage to the equipment and/or injury to the patient/operator.

- Risk of electrical shock present. Make sure power is disconnected before attempting this procedure.

- See operating instructions.

- (AC) Alternating current.

- Protective earth (Ground)

- Manufacturing Date

- Manufacturing Place

- Waste Electrical and Electronic Equipment.

- Type B Applied part.


Conforms with the Essential Requirements of the European Medical Device Directive 93/42/EEC for Class IIa Devices.

Indicates conformity to General Requirements for Safety is certified by Intertek Testing Services.

General mandatory action required, important to follow instruction. Not a caution.

Warning, strong magnetic field.

Off

On

Light Switch

European Authorized Representative

USB Port

Authorized Representative: Kaltenbach & Voigt GmbH
Bismarckring 39
88400 Biberach
Germany

PRODUCT DISPOSAL
Contact your local authorized dealer for proper disposal of the device to ensure compliance with your local environmental regulations.

INTERFERENCE WITH ELECTROMEDICAL DEVICES
To guarantee the operational safety of electromedical devices, it is recommended that the operation of mobile radio telephones in the medical practice or hospital be prohibited.

Strong EMI sources such as electro surgery units or x-ray units may affect performance. If performance problems occur, move the unit to another electrical circuit or physical location.

INCOMPATIBLE UNITS OR ACCESSORIES
To guarantee the operational safety and function of this device, the use of unapproved units or accessories is not advised. Doing so could result in potential hazard. Using accessory equipment not complying with the equivalent safety requirements of this equipment may lead to a reduced level of safety of the resulting system. Connecting electrical equipment to multiple socket outlets effectively leads to creating an ME SYSTEM, and can result in a reduced level of safety. All configurations shall comply with the system standard IEC 60601-1-1 or IEC 60601-1:2005

OBTAINING TECHNICAL LITERATURE
The manufacturer will make available on request circuit diagrams, component parts lists, descriptions, calibration instructions or other information that will assist technical personnel to repair and replace serviceable items.

Storage and Transport
Temperature -68° F to 122° F (-55°C to +50°C)
Relative humidity 10% to 90%

Working environment
Ambient temperature 68° F to 76 °F (20°C to +25°C)
Relative humidity 20% to 60% non-condensing
Atmospheric pressure: 13.1 to 15.3 PSI

Electrical Specifications

<table>
<thead>
<tr>
<th>Volts</th>
<th>Cycles</th>
<th>Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>115 VAC</td>
<td>60 HZ</td>
<td>8 A ~</td>
</tr>
<tr>
<td>230 VAC</td>
<td>50 HZ</td>
<td>4 A ~</td>
</tr>
</tbody>
</table>

Fuse Identity Voltage (VAC) Amps Speed Braking Capacity

- F1, F2 250 12 Fast Acting 750@250V
- F1*, F2* 250 6 Fast Acting 750@250V

F1*, F2* for 230VAC Chair

IEC Medical Device Classification
Classification: I
Type: B
Operation Mode: Intermittent - 5% Duty Cycle
0.5 min. ON
9.5 min OFF
SAFETY INFORMATION

Review the following safety precautions to avoid injury and prevent damage to this equipment. Use this product only as specified.

**WARNING:** A dental chair may include magnets in the construction of the device which may temporarily affect the function/programming of some implantable pacemakers or defibrillators. If the implanted device is programmed to respond to a magnet, people who have these types of devices should avoid dental chairs with magnets.

This product is designed for use in an indoor temperature controlled office environment.

**WARNING:** No modification of this equipment is allowed.

**WARNING:** To avoid risk of electric shock, this equipment must be connected only to supply mains with protective earth.

**WARNING:** Use a licensed electrician for all wiring.

**WARNING:** Power cords and their associated parts cannot be substituted without increased risk of electric shock or fire. We recommend the use of original equipment replacement parts only! Power cords must be installed by qualified personnel. Make sure all service loops, strain reliefs, and cord guards are in place and that line, neutral and ground wires are secured.

**WARNING:** This product must be disinfected before use.

**WARNING:** Locate and position chair so that it can be easily unplugged.

This equipment is not for use in rooms where and explosion hazard exists

**WARNING:** Failure to disinfect equipment between patients could expose user/patient to cross contamination and bioburden/bio-contamination.

**WARNING:** Maximum load rating for this chair is 350 lbs. To avoid personal injury and/or damage to the chair, do not exceed this limit.

**WARNING:** To avoid possible injury and/or damage to the chair, do not apply full body weight on the headrest, backrest, toeboard and armrest. Doing so may cause the chair to tip.

**WARNING:** Support the patient’s head and neck when adjusting the headrest. Failure to do so may result in injury to the patient.

**WARNING:** Use caution when using arm rests for leverage when exiting the chair, as arms may rotate and cause patient to fall or get injured.

**WARNING:** Do not operate chair when any cover is removed. Doing so may result in injury to the operator.

**WARNING:** Do not place knees or legs under chair arm support when chair is being lowered.

**WARNING:** To avoid injury, discontinue use of chair and have serviced by authorized dealer if oil is seen leaking from chair hydraulic system.

**WARNING:** Use caution when filling the hydraulic reservoir to avoid overflow and spillage.

**WARNING:** Only authorized service technicians should attempt to install or service this equipment. Use of other than authorized technicians will void the warranty.

As manufacturers of electro-medical products we can assume responsibility for safety-related performance of the equipment only if maintenance, repair and modifications are carried out only by us or agencies we have authorized for this purpose, and if components affecting safe operation of the chair that may be needed are replaced with original parts.

We suggest that you request a certificate showing the nature and extent of the work performed, from those who carry out such work, and specify that the certificate show any changes in rated parameters or working ranges, as well as the date, the name of the firm and a signature.
TECHNICAL DESCRIPTION

The dental chair is used to position the patient so that the oral cavity is in the desired position for the dentist to perform various dental procedures. Dental chairs can be either hydraulically or electromechanically operated. There are two dynamic functions: the base (up/down) and the back (forward/back). These functions are activated by use of either a foot switch or a hand-operated touch pad.

The dental chairs have the provision to mount additional dental equipment including over-the-patient delivery systems. For this purpose, the chair must provide a stable foundation for both the patient and the additional equipment.

Power to the chair is either 115 or 230 volts. The power is delivered to a microprocessor controlled, printed circuit board. Software in the microprocessor controls the movement of the chair. The dentist can program some chair models to preset positions.

DEVICE CLASSIFICATION

The dental chair is classified as a Class I device per FDA CFR 21, Health Canada, and under rule 1 of Annex IX of the MDD 93/42/EEC.

PRODUCT IDENTIFICATION

This dental chair can be identified by its product label, located inside or underneath the chair seat. This label states the chair model and serial number, electrical specifications, manufacture date and safety classification. Note the SAMPLE labels shown below.
Barrier Technique
Pelton & Crane recommends the use of disposable barriers on all controls that may be contacted by dental practitioners during a dental procedure. The use of disposable barriers helps preserve the finish and appearance of the equipment in addition to infection control. Pelton & Crane recommends the use of an FDA market-cleared barrier (example: Pinnacle Cover-all™). Follow barrier manufacturer instructions for proper use of products.

Chemical Disinfection
In addition to the use of barriers, Pelton & Crane recommends the use of an EP registered and FDA market-cleared chemical disinfectant (example: Cavicide™) to be used on all surfaces that may come in contact with dental instruments during dental procedures. Follow chemical disinfectant manufacturer instructions for proper use of products.

General Purpose Cleaning
For general purpose cleaning, Pelton & Crane recommends one of two methods:
1) Use a mild detergent and warm water
2) Use a 10% solution of bleach with water

WARNING: Only disinfect by wiping, no spray disinfectants. Pelton & Crane expressly rejects any claims for warranty or damages if spray disinfectants are used.

Even with the use of chemical disinfectants, it is recommended that the equipment be thoroughly washed with soap and warm water at least once per day. This washdown will minimize the harmful effects of the disinfectant residues that can accumulate on the equipment.

WARNING: Pelton & Crane makes no warranty, expressed or implied, that the use of chemical disinfectants will not damage the surface finish of the equipment. Damage and discoloration of the surface finishes are not covered under the warranty.

Cleaning and Disinfecting Assistance
For assistance with cleaning and disinfecting, contact the Pelton & Crane Technical Service Department at 1-800-659-5922.

Additional information is available from the organizations listed below:
- Organization for Safety and Asepsis Procedures: www.osap.org
- American Dental Association: www.ada.org
- Department of Health and Human Resources Centers for Disease Control and Prevention (CDC): www.cdc.gov
- European Dental Association: www.eda-eu.org

Dental Handpiece, Instruments and Accessories
Please refer to respective manufacturer’s Instructions for Use (IFU) for appropriate cleaning, disinfecting and sterilization requirements. These include, but are not limited to, pneumatic handpieces, electric motors with handpieces, scalers, intra-oral cameras, curing lights, air/water syringes, SE and HVE vacuum instruments.
CLEANING UPHOLSTERY

NOTE: With all cleaning products, first clean a small, inconspicuous area to ensure the material will not discolor or fade. It is recommended that each stain be cleaned in a step-by-step manner using the sequence below:

1. Regular Cleaning
   Use a Solution of 10% household liquid dish soap with warm water applied with a soft damp cloth. Rinse area with clean water and wipe dry. Cleaning frequency depends upon use. It is recommended that upholstery be cleaned between patients.

2. Stubborn Stains
   Use detergent cleaners such as Formula 409 ® or Fantastik ®. Wipe using a soft cloth or plastic soft bristle brush. Rinse with clean water and wipe dry.

3. More Difficult Stains
   Carefully clean the stained area with lighter fluid (naphtha) or rubbing alcohol. Apply using a soft, white cloth and rub gently. Rinse with clean water and wipe dry.

4. Ultra Leather Upholstery
   Clean spots with mild soap and water or an ordinary household cleaner such as Fantastik ® or Formula 409 ®. Wipe off any residue using a clean, damp cloth. Air dry or dry quickly with the warm setting on a hair dryer.

   Disinfect ultra leather upholstery with a 9:1 water:bleach solution.

Other Tips

   Always apply cleaners with a soft white cloth. Avoid the use of paper towels.

   When using strong cleaning solutions (such as alcohol), it is advisable to first test in an inconspicuous area.

   Never use harsh solvents or cleaners that are intended for industrial use.
Before You Begin

- Study the overall dimensions of the chair shown below. Make sure the chair will have sufficient clearance when in both the upper and lower extremes of travel, including travel of the chair’s backrest.
- Gather all necessary tools listed at right.
- Locate the chair hardware kit. During the installation process several parts in this kit will be referred to.
- Depending on the application, the chair’s upholstery may or may not be installed at the factory. If the upholstery is not installed, refer to the specific Upholstery Installation Instructions shipped with the chair. (It is recommended that the upholstery not be installed until the entire unit is set up.)

### Recommended Tools:
- 9/16” wrench
- Scissors
- 1/8” hex wrench
- 1/4” hex wrench

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### Chair Dimensions

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CHAIR INSTALLATION

1. Remove the carton lid and sides from the pallet as well as the packing material. Using a 9/16" wrench, remove the bolts holding the base plate to the pallet and cut the retaining straps.

2. Carefully slide the chair from the pallet to the location to be installed.

WARNING: Chair weight is in excess of 300 pounds. Use an assistant to safely position the chair.

Note: The manufacturer recommends this product be secured to the floor using proper fasteners appropriate to floor type. Use the anchor fastener locations in the chair base shown for the purpose (Figure 1 & 2)

3. Verify that the chair base is on a level surface and does not rock due to high or low spots on the floor. If the surface is uneven, use the supplied leveling pads found in the chair hardware kit to eliminate gaps between the floor and the chair base.

4. Raise the chair back from its shipping position and attach back link onto link pin (figure 3). Using a 3/32" hex wrench, tighten set screw on back link so that the chair back is firmly retained.

Note: If the chair is NOT to be used as a stand-alone unit, refer to the delivery unit installation instructions and install the delivery unit onto the chair prior to continuing this procedure.

5. Locate and unpack the chair seat cushion and remove the cushion from the rail. Do not use a knife to remove the plastic cover. Tear at the perforated line, and pull the cover off.

6. Using the supplied hardware, attach the upholstery toe rail to the chair’s upper structure as indicated (figure 4) using a 9/16 wrench or socket.
CHAIR INSTALLATION

7. Hook two (2) places onto the seat rail as shown in figure 5.

8. Turn the handle to attach the front of the cushion to the seat rail.

9. This completes the installation procedure for the chair upholstery.

Chair Control Functions

Plug the power cord for the chair into a suitable power receptacle. See the Electrical Specification and Product Identification Label for power requirements. To remove power from the chair, unplug the power cable. It is important that the chair is positioned and located so that it can be unplugged easily.

Swivel Brake Handle

Locate the swivel brake handle below the chair back, as shown in figure 6. Moving the handle to the right will unlock the chair’s upper chassis and allow it to swivel 30° left or right. Moving the handle back to the left will re-engage the brake and lock the chair into position.
CHAIR CONTROL FUNCTIONS

Quick Release Double-Articulating Headrest
The headrest is adjusted by pressing the large release button. This unlocks both articulating joints allowing the desired position to be set quickly and accurately. To set the height, simply pull the headrest upward, away from the chair back until the correct position is found. To lower the headrest, push it downward into the chairback.

Glide Bar Tension Adjustment
1. From the rear of the chair, remove the right side mounting screw of the chair’s back cover (see figure 7).
2. Insert a 3/32 hex wrench into the hole down to the tensioning set screw. Turning the set screw clockwise increases glide bar tension, counter-clockwise will decrease tension. Once the desired tension is set, reinstall the 1/4-20 button head cap screw.

Note the location of the warning label on the opposite side of the glide bar. Do not use the headrest when the red line on the warning label is visible; it is extended too far out at this point and damage or injury may result.

Lower Truss Cover
Located on lower back cover. This moving cover has an electric switch that will stop downward movement of the chair base if triggered.

WARNING: Do not place anything under the chair base cover while the chair is operating, as injury could result if the safety circuit fails.
Positioning for Wheelchair Patients
Your chair can easily be converted to accommodate wheelchair patients. Remove the headrest by pulling upward out of the chair back; reinstall the headrest in a reversed position as shown. Loosen the adjustment knob and adjust headrest into desired position.

Swing-Out Arm Rests
The arm rests can rotate outward and can be set in either of two positions (out at 63.5 degrees or back at 127 degrees). Simply push the toe end of the arm rest outwards until it rotates to one the desired positions. Pushing back towards the center of the chair will return the arm rest to its original position. There is a rotation stop in the arm to prevent the arm rest from rotating inwards toward the patient.

WARNING: Use caution when using arm rests as leverage when exiting the chair as the arms may rotate.
CHAIR CONTROL FUNCTIONS

Electronic Foot Control
The electronic foot control allows the user to control the chair’s manual base and back movement and access the automatic positions.

Foot Control Operation and Programming

Operating the Automatic Positions

The “0” and “1” buttons access programmable operating positions, also shown below. The exit “0” position is preprogrammed at the factory.

Programming the “1” Position
Press the “0” button on foot switch or touchpad. Chair will cycle to the exit or “0” position.
Manually position the chair to the desired working position.
Press and hold the “Learn” button and double tap the “1” button, then listen for one quick beep to confirm the position has been stored.
Return the chair to the “0” or exit position. Press the “1” button and confirm the position has been correctly programmed.

Programming the “0” Position
The exit or “0” position can be reprogrammed to the desired position in the same manner as above.
CHAIR CONTROL FUNCTIONS

Touchpad Back Control

The touchpad back switches allow the operator to control the base up and down and backrest up and down movements from readily accessible locations on the backrest itself. The controls can be used to operate the chair manually, or the operator may program and store desired preset positions.

Touchpad Operation and Programming

Operating the Automatic Positions

The “0” and “1” buttons access programmable operating positions, also shown below. The exit “0” position is pre-programmed at the factory.

Programming the “1” Position

Press the “0” button on foot switch or touchpad. Chair will cycle to the exit or “0” position.

Manually position the chair to the desired working position.

Press and hold the “Learn” button and double tap the “1” button, then listen for one quick beep to confirm the position has been stored.

Return the chair to the “0” or exit position. Press the “1” button and confirm the position has been correctly programmed.

Programming the “0” Position

The exit or “0” position can be reprogrammed to the desired position in the same manner as above.
ELECTROMAGNETIC COMPATIBILITY

MEDICAL ELECTRICAL EQUIPMENT ELECTROMAGNETIC COMPATIBILITY
(Instructions for use)

ELECTROMAGNETIC COMPATIBILITY
Electrical medical devices are subject to special EMC safety measurements and as a result the equipment must be installed according to the installation instruction manual.

PORTABLE ELECTRONIC DEVICES
Portable and mobile high frequency electronic communications equipment may interfere with electronic medical devices.

STATIC SENSITIVE DEVICES
Where labeled this equipment contains static sensitive devices that require special precautions when handling. At a minimum a grounded wrist strap that is connected to ground stud should be worn to reduce the possibility of damage to the chair.

ELECTROMAGNETIC COMPATIBILITY testing has been done for this product.

ACCESSORY USE
Using accessory devices not specified by the manufacturer for use with their equipment may result in an increase of electromagnetic emissions and/or a decrease in electromagnetic immunity of the system. Do not use any accessories not authorized or approved by the manufacturer.

INTERFERENCE FROM OTHER EQUIPMENT
If other equipment is used adjacent to or stacked with this equipment the system must be observed to verify normal operation.
ELECTROMAGNETIC COMPATIBILITY

Guidance and manufacturer's declaration-electromagnetic immunity

This product is intended for use in the electromagnetic environment specified below. The customer or the user of this product should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>IMMUNITY TEST</th>
<th>IEC60601 TEST LEVEL</th>
<th>COMPLIANCE LEVEL</th>
<th>ELECTROMAGNETIC ENVIRONMENT GUIDANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTROSTATIC DISCHARGE (ESD) IEC 61000-4-2 61000-4-2</td>
<td>+/-6 kV contact +/-8 kV air</td>
<td>+/-6 kV contact +/-8 kV air</td>
<td>Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material the relative humidity should be at least 30%. Where labeled, a ground strap (connected to ground lug) should be worn to reduce the possibility of damaged to the unit when servicing.</td>
</tr>
<tr>
<td>ELECTRICAL FAST TRANSIENT/BURST IEC 61000-4-4</td>
<td>Capacitive Clamp +/-1 kV, 5/50 nsec pulse +/-5 kHz repetition frequency Direct Injection +/-2 kV, 5/50 nsec pulse +/-5kHz repetition frequency</td>
<td>Capacitive Clamp +/-1 kV, 5/50 nsec pulse +/-5 kHz repetition frequency Direct Injection +/-2 kV, 5/50 nsec pulse +/-5kHz repetition frequency</td>
<td>Mains power quality should be that of typical commercial or hospital environment.</td>
</tr>
<tr>
<td>SURGE IEC 61000-4-5</td>
<td>+/-1 kV differential mode +/-2 kV common mode</td>
<td>+/-1 kV differential mode +/-2 kV common mode</td>
<td>Mains power quality should be that of typical commercial or hospital environment.</td>
</tr>
<tr>
<td>VOLTAGE DIPS, SHORT INTERRUPTIONS AND VOLTAGE VARIATIONS ON POWER SUPPLY INPUT LINES IEC 61000-4-11</td>
<td>30% reduction, 500 ms 60% reduction, 100 ms &gt;95% reduction, 10 ms &gt;95% reduction, 5000 ms</td>
<td>30% reduction, 500 ms 60% reduction, 100 ms &gt;95% reduction, 10 ms &gt;95% reduction, 5000 ms</td>
<td>Mains power quality should be that of typical commercial or hospital environment. If the user requires continued operation during power mains interruptions, it is recommended that the product be powered by an uninterrupted power supply or battery.</td>
</tr>
<tr>
<td>POWER FREQUENCY (50/60 HZ) MAGNETIC FIELD IEC 61000-4-8</td>
<td>3 A/m</td>
<td>3 A/m</td>
<td>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.</td>
</tr>
</tbody>
</table>

U<sub>t</sub> is the AC. mains voltage prior to application of the test level.
### Guidance and manufacturer's declaration-electromagnetic immunity

This product is intended for use in the electromagnetic environment specified below. The customer or the user of this product should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Immunity Test</th>
<th>IEC60601 Test Level</th>
<th>Compliance Level</th>
<th>ELECTROMAGNETIC ENVIRONMENT GUIDANCE</th>
</tr>
</thead>
</table>
| Conducted RF IEC 61000-4-6 | 3 Vrms 150 kHz to 80 MHz | 3 Vrms  
                | d = 1.2 \sqrt{P}  
                | Portable and mobile RF communications equipment should be used no closer to any part of the product, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. |
| Radiated RF IEC 61000-4-3 | 3 V/m 80 kHz to 2.5 MHz | 3 V/m  
                | d = 1.2 \sqrt{P}  
                | 80 MHz 800 MHz  
                | d = 2.3 \sqrt{P}  
                | 800 MHz 2.5 GHz  
                | Where \( P \) is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and \( d \) is the recommended separation distance in meters (m).  
                | Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, (a) should be less than the compliance level in each frequency range. (b)  
                | Interference may occur in the vicinity of equipment marked with the following symbol: |

**NOTE 1:** At 80 MHz to 800 MHz, the higher frequency range applies.

**NOTE 2:** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures objects and people.

- **a)** Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the product is used exceeds the applicable RF compliance level above, the product should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the product.

- **b)** Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3/Vm.
**ELECTROMAGNETIC COMPATIBILITY**

<table>
<thead>
<tr>
<th>Emissions Test</th>
<th>Compliance</th>
<th>Electromagnetic Environment guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Emissions CISPR-11</td>
<td>Group 1</td>
<td>This product uses RF energy only for its internal function. Therefore, the emissions are very low and are not likely to cause any interference in nearby electronic equipment.</td>
</tr>
<tr>
<td>RF Emissions CISPR-11</td>
<td>Class B</td>
<td>This product is suitable for use in all establishments, other than domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.</td>
</tr>
<tr>
<td>Harmonic Emissions IEC 61000-3-2</td>
<td>Class B</td>
<td></td>
</tr>
<tr>
<td>Voltage Fluctuations / flicker Emissions IEC 61000-3-3</td>
<td>Complies</td>
<td></td>
</tr>
</tbody>
</table>
CHECKLIST

Verify the following after installation or servicing of the chair:

☐ All manuals are present.
☐ All labels are present and legible.
☐ The chair is installed/assembled correctly and there is no mechanical damage on new installations.
☐ The chair can be moved and positioned freely without any drifting.
☐ The chair is connected to the appropriate power source.
☐ The chair is setting on a level surface and has been properly leveled. Refer to installation instructions for information on how to properly level the unit.
☐ All hardware is installed correctly and all connections are properly attached.
☐ If applicable, the cover is closed and fasteners tightened (take care not to pinch tubing on wires).
☐ When depressing the touchpad (if applicable), the chair functions properly.
☐ While running the chair ensure there is nothing leaking from the tubing.
☐ The chair passes a high pot test.
☐ All terminals are connected securely.
☐ The chair passes a ground continuity test.
☐ The internal wiring is in good shape and not frayed.
☐ Dispose of all product parts and internal components per applicable codes, regulations and directives.