

OSC 600

OPHTHALMIC STAND



OPERATION AND INSTALLATION MANUAL

SERIAL NUMBER

For your future reference, mark the serial number in the space provided.

Haag-Streit USA Inc.

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MADE IN USA

QUALITY MANAGEMENT
SYSTEM
REGISTERED TO
ISO 13485:2016

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IMPORTANT INFORMATION

SAFETY SYMBOLS

Whenever you see the symbols shown below, heed their instructions! Always follow safe operating and maintenance practices.



“DANGER”- THE DANGER SYMBOL IDENTIFIES SPECIAL INSTRUCTIONS OR PROCEDURES WHICH, IF NOT CORRECTLY FOLLOWED, COULD RESULT IN LOSS OF LIFE OR PERSONAL INJURY.



« DANGER » : LE SYMBOLE DANGER IDENTIFIE DES INSTRUCTIONS OU PROCÉDURES SPÉCIALES QUI, SI ELLES NE SONT PAS SUIVIES CORRECTEMENT, POURRAIENT CAUSER UNE PERTE DE VIE OU UNE BLESSURE.



“WARNING”- THE WARNING SYMBOL IDENTIFIES SPECIAL INSTRUCTIONS OR PROCEDURES WHICH, IF NOT CORRECTLY FOLLOWED, COULD RESULT IN PERSONAL INJURY.



« AVERTISSEMENT » : LE SYMBOLE AVERTISSEMENT IDENTIFIE DES INSTRUCTIONS OU PROCÉDURES SPÉCIALES QUI, SI ELLES NE SONT PAS SUIVIES CORRECTEMENT, POURRAIENT CAUSER UNE BLESSURE.



“CAUTION”- This caution symbol identifies special instructions or procedures which, if not strictly observed, could result in damage to or destruction of equipment.



« PRÉCAUTION » : Ce symbole de précaution identifie des instructions ou procédures spéciales qui, si elles ne sont pas strictement suivies, pourraient causer un dommage ou la destruction de l'équipement.



“NOTE”- Note indicates points of particular or additional information.

« REMARQUE » : Remarque indique des points d'intérêt particulier ou des renseignements additionnels.



Type B, Applied Part



Dangerous Voltage / Shock Hazard



Fuse Rating Specification



Protective Earth Ground



Alternating Current-AC



Safe Working Load



“Attention, Consult Accompanying Documents”



Refer to Instruction Manual/Booklet



Do Not Push

TRANSPORTATION / STORAGE CONDITIONS

Temperature: Operating: 59 to 104° F
15 to 40° C

Storage: -22 to +140° F
-30 to +60° C

Relative Humidity: Operating: 5%RH to 95%RH
without condensation
Storage: 10%RH to 100%RH,
including condensation

Atmospheric Pressure: Operating: 700hPa - 1060hPa
Storage: 500hPa - 1060hPa

1. INTRODUCTION

1.1. This Installation and Operating Instruction contains information applicable only to the Ophthalmic Stand OSC 600 also known as Floor Unit.

1.2. Should your product not perform properly, or if the product is in need of repair, or if you have any questions concerning the use and care of any Haag-Streit product, contact the Haag-Streit Distributor, where you purchased this product or contact the Technical Service Department, Haag-Streit USA, Inc., 3535 Kings Mills Road, Mason, Ohio 45040-2303, or call 800-787-5426.

NOTE: Always have the model number and serial number available before contacting Haag-Streit or your authorized Haag-Streit Distributor.

REMARQUE : Ayez toujours le numéro de modèle et le numéro de série à portée de la main avant de contacter Haag-Streit ou votre distributeur Haag-Streit autorisé.

“CLASSIFIED BY CANADIAN STANDARDS ASSOCIATION® CSA WITH RESPECT TO ELECTRIC SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH IEC 60601-1 3rd Edition.”

According to Clause 5 in IEC 60601-1, sec 6.8.1, this Unit is classified by the following:

- The type of protection against electric shock: EQUIPMENT energized from an external electrical power source: CLASS I EQUIPMENT
- The degree of protection against electric shock: TYPE B EQUIPMENT
- The degree of protection against harmful ingress of water: ORDINARY DEGREE
- The degree of safety of application in the presence of a FLAMMABLE ANESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE: EQUIPMENT not suitable for use in the presence of a FLAMMABLE ANESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE
- The mode of operation: CONTINUOUS OPERATION



WARNING: TO AVOID PERSONAL INJURY OR DAMAGE TO THE EQUIPMENT, ONLY AUTHORIZED HAAG-STREIT DISTRIBUTORS SHOULD INSTALL OR MOVE THE EQUIPMENT.



AVERTISSEMENT : POUR ÉVITER UNE BLESSURE OU UN DOMMAGE À L'ÉQUIPEMENT, SEULS LES DISTRIBUTEURS HAAG-STREIT AUTORISÉS DEVRAIENT INSTALLER OU DÉPLACER L'ÉQUIPEMENT.



WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.



AVERTISSEMENT : POUR ÉVITER UN INCENDIE OU UN RISQUE DE CHOC ÉLECTRIQUE, N'EXPOSEZ PAS CET ÉQUIPEMENT À LA PLUIE OU À L'HUMIDITÉ.



WARNING- TO AVOID PERSONAL INJURY OR DAMAGE TO THE EQUIPMENT, ONLY TRAINED/QUALIFIED PERSONNEL WHO HAVE READ THIS MANUAL SHOULD OPERATE THIS EQUIPMENT. OPERATION BY UNAUTHORIZED USERS SHOULD BE PREVENTED.



AVERTISSEMENT : POUR ÉVITER UNE BLESSURE OU UN DOMMAGE À L'ÉQUIPEMENT, SEUL DU PERSONNEL ENTRAÎNÉ/QUALIFIÉ QUI A LU CE MANUEL DEVAIT FAIRE FONCTIONNER CET ÉQUIPEMENT. LE FONCTIONNEMENT PAR DES UTILISATEURS NON AUTORISÉS DEVAIT ÊTRE ÉVITÉ.



WARNING- TO AVOID PERSONAL INJURY OR DAMAGE TO THE EQUIPMENT, CALL YOUR AUTHORIZED HAAG-STREIT DISTRIBUTOR OR THE TECHNICAL SERVICE DEPARTMENT IF ANY PART OF THE EQUIPMENT FAILS. ONGOING USE OF MALFUNCTIONING EQUIPMENT IS NOT RECOMMENDED.



AVERTISSEMENT : POUR ÉVITER UNE BLESSURE OU UN DOMMAGE À L'ÉQUIPEMENT, APPELÉZ VOTRE DISTRIBUTEUR HAAG-STREIT AUTORISÉ OU LES SERVICES TECHNIQUES SI UNE PARTIE QUELCONQUE DE L'ÉQUIPEMENT TOMBE EN PANNE. L'UTILISATION CONTINUE D'UN ÉQUIPEMENT DÉFAILLANT N'EST PAS RECOMMANDÉE.

- 1.3. Recognized Accessories: Recognized medical devices and IT equipment include the following:
- Haag-Streit BI900, BM900, BP900, BQ900 Slit Lamps (w/ or w/out Imaging).
 - General purpose Computer Monitor, Mouse, Key-board
 - Reichert digital phoropter VRx & Sightcheck
 - Essilor digital phoropter Vision-R® 800, APH550
 - Topcon digital phoropter CV-5000
 - Marco digital phoropter TRS-5100, TRS-6100

 **WARNING: THE SYSTEM IS COMPATIBLE ONLY WITH THE DEVICES MENTIONED INSIDE THIS MANUAL. DO NOT CONNECT INCOMPATIBLE DEVICES TO THE SYSTEM.**

 **AVERTISSEMENT : LE SYSTEME N'EST COMPATIBLE QU'AVEC LE DISPOSITIF MENTIONNE DANS LE MANUEL. NE JAMAIS BRANCHER DES INCOMPATIBLES DISPOSITIFS AU SYSTEME.**

 **WARNING: BX900 SHOULD NEVER BE USED ON 7900V FLOOR UNIT.**

 **AVERTISSEMENT : LE BX900 NE DOIT JAMAIS ÊTRE UTILISÉ SUR L'UNITÉ DE SOL 7900V.**

 **WARNING: EXPLOSION HAZARD. THIS EQUIPMENT MUST NOT BE USED IN THE PRESENCE OF FLAMMABLE ANESTHETICS.**

 **AVERTISSEMENT : RISQUE D'EXPLOSION. CET ÉQUIPEMENT NE DOIT PAS ÊTRE UTILISÉ EN PRÉSENCE D'ANESTHÉSQUES INFLAMMABLES.**

 **WARNING- DO NOT APPLY WHOLE WEIGHT OF BODY ON TABLETOP.**

 **AVERTISSEMENT : N'APPLIQUEZ PAS TOUT LE POIDS DU CORPS SUR LE DESSUS DE LA TABLE.**

POTENTIAL ELECTROMAGNETIC or OTHER INTERFERENCE

This equipment generates uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to other devices, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

- Reorient or relocate the receiving device.
- Increase the separation between the equipment.
- Connect the equipment into an outlet on a circuit different from that to which the other device(s) are connected.
- Consult the manufacturer or field service technician for help.

DISPOSAL

This product contains lead. Check with local ordinance or laws for proper disposal.

TECHNICAL SPECIFICATIONS

Rating for 120V Instrument Stand

This equipment is rated Class I, Type B			
Equipment		Model	
Instrument Stand		7900V	
Volts	Hertz	Amps	
120V	50/60	10.0	
Class I	Type B		



2. INSTALLATION

2.1. Unpacking

2.1.1. Base Unit

2.1.1.1 Remove all external shipping tapes and wrappings. Remove the Base Unit from the skid and set it in the desired, final location.

2.1.1.2 Loosen the two screws that hold the Back Cover (Figure 1) in place, located in the bottom of the Cover. Panel. Panels lift off the Base Unit.

2.1.1.3. Squeeze the Slit Lamp Arm Lock Release Lever (Figure 1) and at the same time push down on Slit Lamp Arm. Arm should move approximately 1/4 inch. Release the Lock Release Lever to set the Slit Lamp Arm lock.



WARNING- TO AVOID PERSONAL INJURY OR DAMAGE TO THE INSTRUMENT STAND CAUSED BY THE STAND TIPPING OVER, DO NOT OVERLOAD THE REFRACTOR ARM, THIRD ARM, OR SLIT LAMP ARM.



AVERTISSEMENT : POUR ÉVITER UNE BLESSURE OU UN DOMMAGE AU SUPPORT À INSTRUMENT CAUSÉ PAR UN RENVERSEMENT DU SUPPORT, NE SURCHARGEZ PAS LE BRAS RÉFRACTEUR, LE TROISIÈME BRAS OU LE BRAS DE LA LAMPE À FENTE.



WARNING – TIP-OVER HAZARD: NEVER GROUP THREE INSTRUMENT ARMS TOGETHER ON ONE SIDE OF THE STAND. DISTRIBUTE INSTRUMENT WEIGHT AS EQUALLY AS PRACTICAL. AVOID FAST OR FORCEFUL MOVEMENT OF INSTRUMENT ARMS.



AVERTISSEMENT : RISQUE DE BASCULEMENT. NE REGROUPEZ JAMAIS LES TROIS BRAS D'INSTRUMENTS ENSEMBLE SUR UN CÔTÉ DU SUPPORT. DISTRIBUEZ LE POIDS DES INSTRUMENTS AUSSI ÉGALEMENT QUE POSSIBLE. ÉVITEZ UN MOUVEMENT RAPIDE OU VIOLENT DES BRAS D'INSTRUMENTS.



CAUTION- Do not push unit wherever you see a Do Not Push label.



PRÉCAUTION : Ne poussez pas l'unité partout où vous voyez une étiquette Ne pas pousser.

2.2. Instrument Console



CAUTION- The power supply cord should not be connected to the power supply during the installation process.



PRÉCAUTION : Le cordon d'alimentation ne devrait pas être connecté au bloc d'alimentation durant le processus d'installation.

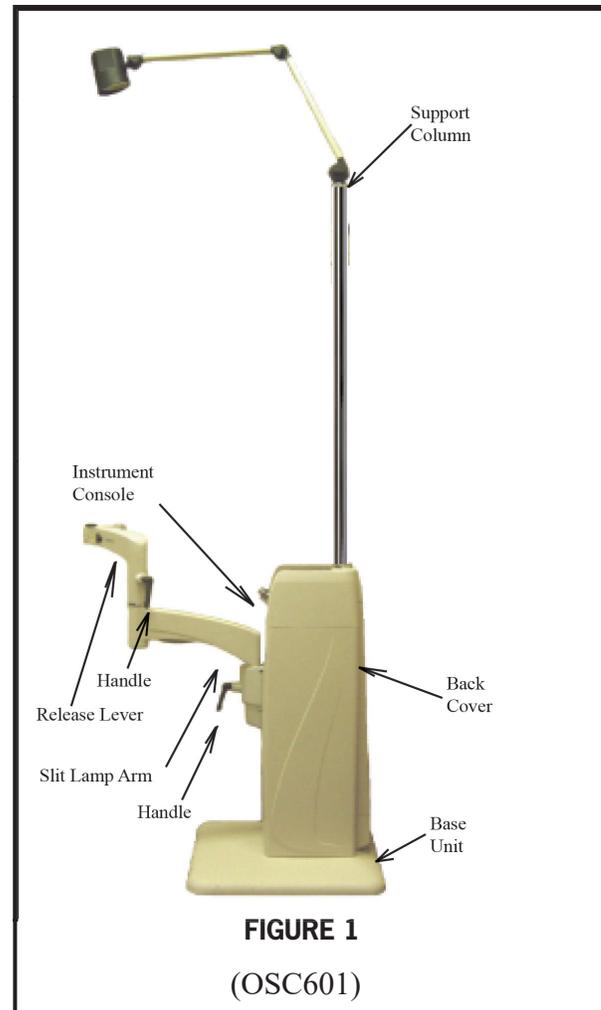


FIGURE 1
(OSC601)

2.3. Support Column Installation

Unwrap the Support Column. Remove the column Support Pin and the Collar from the Installation Packet. Insert the Column in the hole at the top of the Base Unit.



CAUTION – Ensure there is a clear path for the support column between the opening in the console and the hole in the base frame. If cables impede path simply move them aside.



PRÉCAUTION : Assurez-vous qu'il y a un passage dégagé pour la colonne de soutien entre l'ouverture dans la console et le trou dans le cadre de la base. si des câbles nuisent, poussez-les simplement de côté.

Line up the hole in the Column with the hole in the Base Unit and insert the Support Pin. Note that the small screw at the top of the Column faces the rear of the Base Unit. Tighten the set screws under the Support Pin. Slide the Collar down firmly against the Console/Base Cap. Tighten small set screw.

2.4. Refractor Arm - Dual Lock (OSC603)

2.4.1. Unpack the Refractor Arm. Slide the Clamp Sleeve carefully down over the Support Column until positioned as shown in Figure 1. Tighten the clamp screw securely, using the hex key wrench provided.

2.4.2. Note that the chrome Plug Button in the front of the Refractor Arm Assembly covers the counterbalance spring adjusting screw. If necessary, after the Instrument is attached to the Refractor Arm, remove this button and adjust the screw, turning it clockwise to increase tension. Optimum adjustment is reached when the Refractor Arm barely supports the weight at the upper limit of its travel. The Refractor Arm will support Instruments weighing a maximum of 20 pounds.

2.5. Overhead Lamp (OSC604)

2.5.1. Unpack the Overhead Lamp Assembly. Feed the Lamp Cord and Coiled Extension Cord into the top of the Support Column until the Overhead Lamp can be inserted into the Column.

2.5.2 Remove the Support Tube Pin to allow the Overhead Lamp Cord to drop through the Support Column. Replace the Support Pin, being careful not to pinch the Overhead Lamp Cord. Insert the plug from the Overhead Lamp Extension Cord into the matching connector hanging down from the rear of the Console.

2.6 Slit Lamp Arm

2.6.1. After slit lamp arm is unpacked and set into place, the option of changing the instrument stand can be done at this time. For example if the unit is order as a right-handed unit and needed to be changed to left-handed unit; follow the listed instructions below.

2.6.1.1 To convert the Slit Lamp Arm to a left-handed unit, remove the four (4) #8-32 Screws that hold the Cover Plates with the Outlet and Rocker Switch to the Upper Arm. Carefully pull the Plates off of the Upper Arm. Loosen the center Screw holding the two plates together but do not completely remove it. Pull the two Plates apart and rotate them so the Outlet and Rocker Switch are now on the opposite side of the Upper Arm.

Be careful not to pinch any wires between the Plates and the Upper Arm when making this change.

2.6.1.2 Loosen the three Set Screws that lock the Arm Extension in place at the end of the Slit Lamp Arm. Loosen the Black Handle on top of the Slit Lamp Arm. Rotate Arm Extension so it is approximately 60 degrees from the side of the Upper Arm of the Slit Lamp Arm and tighten the Set Screws. Tighten the Black Handle on top of the Slit Lamp Arm. Remove Adjustable Handle and Plug Button from the Arm Extension and place them on the opposite side they were on. (See Figure 2) and (See Figures 2a, 2b, 2c, 2d page 9/10 details.)

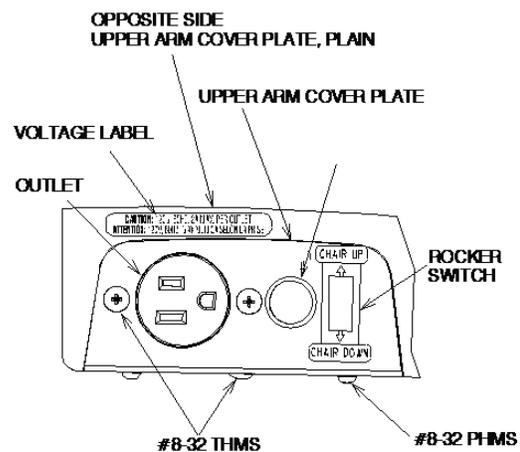


FIGURE 2

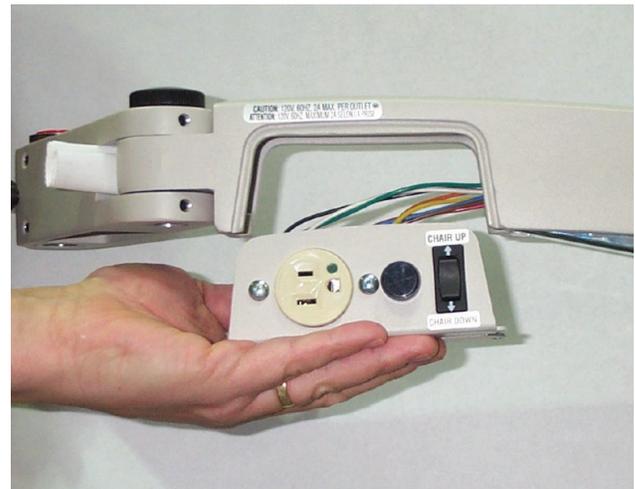


FIGURE 2A

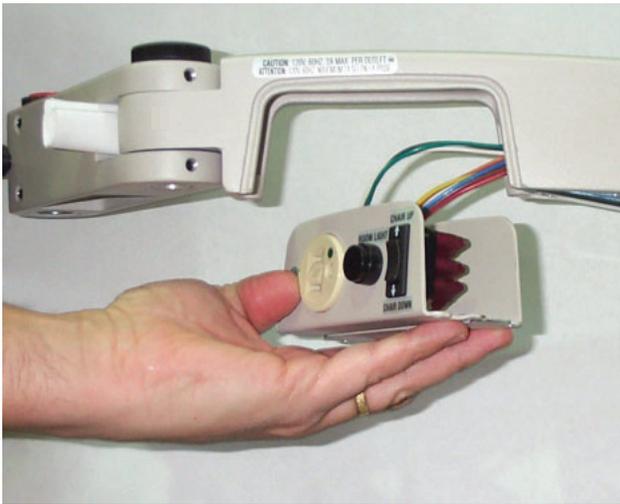


FIGURE 2B

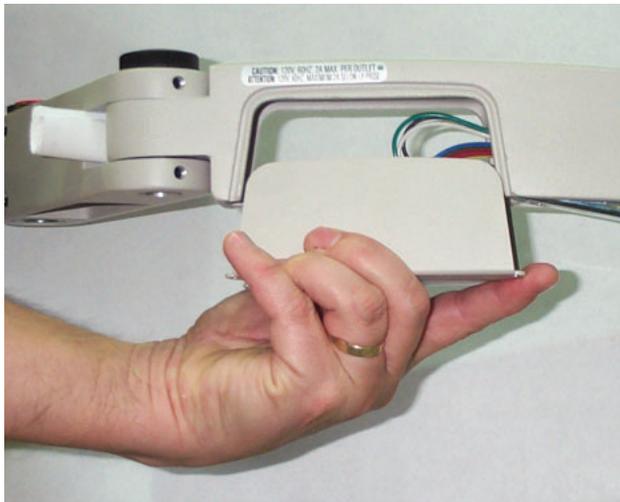


FIGURE 2C

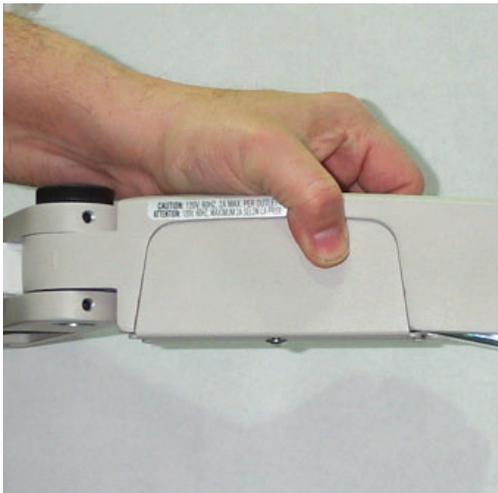


FIGURE 2D

Reference to changing the Instrument Stand from a right-handed to a left-hand unit.

2.7. Chair (OSC602) Control

2.7.1 The chair control switches located on the Floor Unit may control Ophthalmic Chair OSC 600. Refer to the chair's Installation and Operating Instructions for unpacking and assembling the chair.

2.7.2. A Chair Control Cable is provided to control the vertical movement of the Chair Base from the Floor Unit. One end of the cable is to be inserted into the black circular receptacle on the Outlet Plate Assembly. See Figure 3. Push the socket into the connector and twist clockwise to lock. The other end of the cable is to be inserted into the mating receptacle marked "CHAIR CONTROL CABLE" in the rear of your Ophthalmic Chair OSC 600.



CAUTION—"Accessory equipment connected to analog and digital interfaces must be certified according to the respective IEC standards (i.e. IEC 60950 for data processing equipment and IEC 60601-1 for medical equipment). Furthermore, all configurations shall comply with IEC 60601-1-1 for medical equipment systems. Anyone who connects additional equipment to the Signal Input Part (SIP) or Signal Output Part (SOP) configures a medical system, and is therefore responsible that the system complies with the requirements of IEC 60601-1-1. If in doubt, consult the Technical Service Department, or your local Essilor Instruments Distributor."



PRÉCAUTION : L'équipement accessoire connecté aux interfaces analogues et digitales doit être certifié selon les normes IEC respectives (c.-à-d., IEC 60950 pour l'équipement de traitement de données et IEC 60601-1 pour l'équipement médical). De plus, toutes les configurations doivent être conformes à IEC 60601-1-1 pour les systèmes électriques médicaux. Quiconque connecte de l'équipement supplémentaire à la partie entrée de signal ou à la partie sortie de signal configure un système médical et est par conséquent responsable de la conformité du système avec les exigences de IEC 60601-1-1. En cas de doute, consultez le service technique ou votre distributeur Essilor Instruments local.

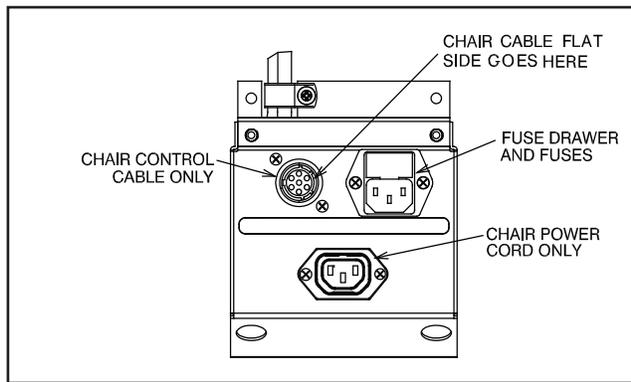


FIGURE 3



WARNING- THE MAINS OUTLET LOCATED ON THE OUTLET PLATE ASSEMBLY IS INTENDED TO SUPPLY POWER TO A HAAG-STREIT PATIENT EXAMINATION CHAIR OR SIMILAR MEDICAL DEVICE COMPLYING WITH IEC 60601-1. ONCE CONNECTED, RESULTING LEAKAGE CURRENTS MUST COMPLY WITH IEC 60601-1-1 FOR MEDICAL ELECTRICAL (ME) SYSTEMS. DO NOT CONNECT UNAUTHORIZED DEVICES."



AVERTISSEMENT : LA PRISE DE COURANT SITUÉE SUR L'ASSEMBLAGE DE PLAQUE DE COURANT EST CONÇUE POUR FOURNIR L'ALIMENTATION À UNE CHAISE D'EXAMEN DE PATIENT HAAG-STREIT OU À UN DISPOSITIF MÉDICAL SIMILAIRE CONFORME À IEC 60601-1. UNE FOIS L'APPAREIL CONNECTÉ, LES COURANTS DE FUITE RÉSULTANTS DOIVENT ÊTRE CONFORMES À IEC 60601-1-1 POUR LES SYSTÈMES ÉLECTRIQUES MÉDICAUX. NE CONNECTEZ PAS DE DISPOSITIFS NON AUTORISÉS.

2.8. Miscellaneous

2.8.1. When attaching an instrument to the Slit Lamp Arm, note the Thrust Bearing which should be in place between the instrument and the arm. See Figure 4.

2.8.2. Proper balance of an Instrument on the Slit Lamp Arm is achieved by adding or removing counter-balance weights as shown in Figure 5. See Table 2 for weight settings.

2.9.

Powering on Unit

2.9.1. Plug the power cord into a wall receptacle and check all electrical functions as described in the Operating Instructions. If all functions work, re-attach the Back Cover.

2.9.2. To disconnect power from the Instrument Stand, unplug the power cord from wall receptacle.

3. OPERATING INSTRUCTIONS

3.1. Slit Lamp Arm



WARNING: SLIT LAMP ARM WILL RISE ABRUPTLY IF RELEASE LEVER IS DEPRESSED AND ARM IS NOT COUNTER-BALANCED.



AVERTISSEMENT : LE BRAS DE LA LAMPE À FENTE SE LÈVERA ABRUPTEMENT SI LE LEVIER DE DÉGAGEMENT EST PRESSÉ ET QUE LE BRAS N'EST PAS CONTREBALANCÉ.

3.1.1. The Slit Lamp Arm is counterbalanced by means of weights and all its movements are controlled manually.

3.1.2. The vertical lock for this arm is controlled by the Lock Release Lever located under the Slit Lamp Arm. (See Figure 1). Grip the Slit Lamp Arm and depress the Lock Release Lever to unlock the Slit Lamp Arm. Releasing the Lock Release Lever will lock vertical travel in both directions.

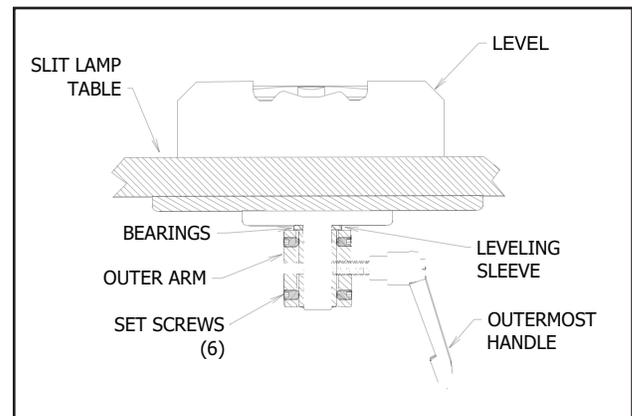


FIGURE 4

3.1.3. Incremental weights are added or removed to achieve proper balance in accordance with the Weight Settings-Slit Lamp Arm chart. (See Table 2).

3.1.4. The handle under the innermost pivot point of the Slit Lamp Arm (Figure 1) is to restrain rotation of the complete arm assembly. The handle at the intermediate joint on the Slit Lamp Arm locks rotation of the outer arm section. The handle directly under the Slit Lamp locks rotation of the Instrument about its pivot point.

INSTRUMENT GROSS WEIGHT-lbs. (kg)	INCREMENTAL WEIGHTS
12-16 (5.44-7.25)	None
16-20 (7.25-9.0)	Light
20-23 (9.0-10.43)	Medium
23-25 (10.43-11.34)	Heavy
25-28 (11.34-12.7)	Light, Medium
28-30 (12.7-13.6)	Light, Heavy
30-33 (13.6-14.97)	Medium, Heavy
33-35 (14.97-15.88)	2 Heavy
35-38 (15.88-17.24)	Light, Medium, Heavy
38-40 (17.24-18.14)	1 Light, 2 Heavy
40-43 (18.14-19.5)	1 Medium, 2 Heavy
43-45 (19.5-20.41)	3 Heavy
45-48 (20.41-21.77)	1 Light, 1 Medium, 2 Heavy
48-50 (21.77-22.68)	1 Light, 3 Heavy
50-53 (22.68-24.04)	1 Medium, 3 Heavy
53-55 (24.04-24.95)	4 Heavy
55-58 (24.95-26.31)	1 Light, 1 Medium, 3 Heavy
58-60 (26.31-27.22)	1 Light, 4 Heavy

Light ≈ 5lbs, Medium ≈ 7 lbs, Heavy ≈ 10lbs

Table 2
Weight Settings-Slip Lamp Arm Chart

3.1.5. The outer end of the Slit Lamp Arm contains a Leveling Sleeve and six set screws for field re-leveling of the Instrument, if necessary. A hex key wrench (1/8) and a small, accurate level will be required. Remove the Instrument from the table and refer to Figure 4. The outermost Handle must be threaded into the Leveling Sleeve, but not tightened. Rotate the Slit Lamp Arm to the examining position and tighten the other (2) handles. It may be necessary to loosen several set screws to reposition screws securely and check level again.

WARNING- WITH INSTRUMENT REMOVED, ARM WILL RISE ABRUPTLY IF RELEASE LEVER IS DEPRESSED.

AVERTISSEMENT : L'INSTRUMENT ÉTANT RETIRÉ, LE BRAS DE LA LAMPE À FENTE SE LÈVERA ABRUPTEMENT SI LE LEVIER DE DÉGAGEMENT EST PRESSÉ.



FIGURE 5

3.1.6. The outermost Handle can be adjusted to any preferred, locked position. Simply pull out on handle, rotate as desired, and release.

3.1.7. The Outer Arm contains an outlet for Instrument power, and a Rocker Switch to control vertical movement of the chair. The Chair Control Cable (See Figure 2) must be installed. (Refer to Section 2.10). Depress the “UP” arrow on the switch to raise the chair. Depress the “Down” arrow to lower the chair.



WARNING- THE MAINS OUTLET LOCATED ON THE SLIT LAMP ARM IS INTENDED TO SUPPLY POWER TO A SLIT LAMP COMPLYING WITH IEC 60601-1. ONCE CONNECTED, RESULTING LEAKAGE CURRENTS MUST COMPLY WITH IEC 60601-1-1 FOR MEDICAL ELECTRICAL (ME) SYSTEMS. DO NOT CONNECT UNAUTHORIZED DEVICES.



AVERTISSEMENT : LA PRISE DE COURANT SITUÉE SUR LE BRAS DE LA LAMPE À FENTE EST CONÇUE POUR FOURNIR L'ALIMENTATION À UNE LAMPE À FENTE CONFORME À IEC 60601-1. UNE FOIS L'APPAREIL CONNECTÉ, LES COURANTS DE FUITE RÉSULTANTS DOIVENT ÊTRE CONFORMES À IEC 60601-1-1 POUR LES SYSTÈMES ÉLECTRIQUES MÉDICAUX. NE CONNECTEZ PAS DE DISPOSITIFS NON AUTORISÉS.

NOTE: Switch action is momentary; but may be programmed to function as maintained depending on the chair model. See chair manual for programming instructions.

REMARQUE : L'action de l'interrupteur est « momentané », mais peut être programmé pour fonctionner comme « maintenu » selon le modèle de chaise. Consultez le manuel de chaise pour les instructions de programmation.

3.2. Refractor Arm (OSC603)

3.2.1. If the Refractor Arm is of the dual lock style, the handle nearest the Support Column controls the clamp for locking rotation of the entire Refractor Arm Assembly about the column. The Release Lever locks the vertical movement and the handle locks rotation of the Outer Arm.

3.2.2. Refer to the Installation Instructions 2.4 for the method of adjusting the counterbalancing spring.

3.3. Overhead Lamp (OSC604)

3.3.1. Movements of the Overhead Lamp arms are controlled by friction and spring-compensated joints, each of which is adjustable. Tighten all three handles with moderate hand pressure. This will allow you to move the Overhead Lamp easily. The Overhead Lamp should hold its position without repeated handle adjustments. The Overhead Lamp has an ON/OFF switch located at the top of the head, which can be controlled separately from the Instrument Stand. (Standby switch must be on for Overhead lamp to operate.)

3.4. Instrument Console

3.4.1. The Instrument Console or Base Cap contains electrical controls for the entire Unit. Refer to Figure 6 for the location of controls and other parts.

3.4.2. Hand Instrument Wells - Rechargeable Battery Type

3.4.2.1. The Rechargeable Battery Well is internally connected to the charging circuit at the factory and will charge Instruments with 3.5V NiCd batteries as long as the Instrument handle is fully seated in the well.

3.4.2.2. An indicator light (LED), located above each rechargeable well is supplied as a visual aid for determining that Instrument is properly seated in the well and is recharging.

NOTE: “Welch Allyn offers an adapter that allows their Li-Ion Handles to operate correctly with Haag-Streit Rechargeable Battery Wells. Contact your Authorized Haag-Streit Distributor or Welch Allyn for details.”

REMARQUE : Welch Allyn offre un adaptateur qui permet à leurs manettes lithium ion de fonctionner correctement avec les compartiments de batterie rechargeable Haag-Streit. Contactez votre distributeur autorisé Haag-Streit ou Welch Allyn pour plus de détails.



BATTERIE LITHIUM ION WELCH ALLYN » ET ONT ÉTÉ DÉCLARÉS COMPATIBLES. LES MANETTES DE BATTERIE LITHIUM ION D'AUTRES FABRICANTS N'ONT PAS ÉTÉ TESTÉES ET NE PEUVENT PAS ÊTRE RECOMMANDÉES EN CE MOMENT.



CAUTION-The lamp inside the Rechargeable Instrument must be turned off before inserting the Handle into the Well. Handles will charge continuously as the power supply cord is attached to the equipment.



PRÉCAUTION : La lampe à l'intérieur de l'instrument rechargeable doit être désactivée avant d'insérer la manette dans le compartiment. Les manettes se chargeront continuellement aussi longtemps que le cordon d'alimentation est fixé à l'équipement.



WARNING: RECHARGEABLE BATTERY WELLS HAVE BEEN TESTED WITH “WELCH ALLYN LI-ION BATTERY HANDLES” AND FOUND TO BE COMPATIBLE. LI-ION BATTERY HANDLES FROM OTHER MANUFACTURERS HAVE NOT BEEN TESTED AND CANNOT BE RECOMMENDED AT THIS TIME.



AVERTISSEMENT : LES COMPARTIMENTS POUR BATTERIE RECHARGEABLE ONT ÉTÉ TESTÉS AVEC LES « MANETTES DE



**FIGURE 6
KNOB AND LABEL OVERHEAD LAMP DIMMER SWITCH**

3.5. Overhead Lamp Dimmer Switch

3.5.1. The overhead lamp dimmer switch is located on the panel above the Instrument Wells. Refer to Figures 8.

- Turns the overhead lamp on and off.
- Increases the intensity of the overhead lamp when rotated clockwise.
- Decreases the intensity of the overhead lamp when rotated counter clockwise.

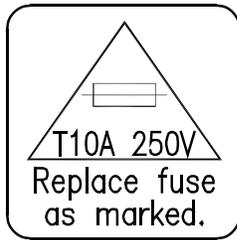


WARNING- MAIN POWER IS ALWAYS PRESENT INSIDE THE SYSTEM WHEN THE POWER CORD IS PLUGGED INTO THE WALL.



AVERTISSEMENT : L'ALIMENTATION ÉLECTRIQUE PRINCIPALE EST TOUJOURS PRÉSENTE À L'INTÉRIEUR DU SYSTÈME LORSQUE LE CORDON D'ALIMENTATION EST BRANCHÉ AU MUR.

3.6 Fuses



Method for removing Fuse Drawer replacing fuses:

1. The Fuse Drawer is located above the power cord. See Figure 3 (AC input Module).
2. Remove the Power Cord.
3. Place a small Flathead screwdriver behind flap and pry out. The Fuse Drawer will come forward slightly.
4. Remove and examine the fuses. Replace as necessary. See Figure 7

WARNING: DISCONNECT EQUIPMENT FROM MAIN INPUT POWER BEFORE PROCEEDING WITH ELECTRICAL INSPECTIONS OR MAINTENANCE.

AVERTISSEMENT : DÉCONNECTEZ L'ÉQUIPEMENT DE L'ALIMENTATION ÉLECTRIQUE PRINCIPALE AVANT DE PROCÉDER À DES INSPECTIONS ÉLECTRIQUES OU À DE L'ENTRETIEN.

CAUTION: Replace fuse(s) as marked. All fuses must be replaced with a fuse of the same size and rating. Refer to the Wire Diagrams at the end of this Manual.

PRÉCAUTION : Remplacez le(s) fusible(s) comme indiqué. Tous les fusibles doivent être remplacés par un fusible de la même dimension et de la même valeur. Se référer aux schémas de câblage à la fin de ce manuel.

CAUTION: To avoid a bind of the Fuse Drawer within the AC Input Module, never install the Fuse Drawer into the AC Input Module without fuses.

PRÉCAUTION : Pour éviter que le tiroir à fusible reste bloqué dans le module d'entrée CA, n'installez jamais le tiroir à fusible à l'intérieur du module d'entrée CA sans fusibles.

3.7.1. Floor Units contain two fuses located inside the AC Input Module on the Outlet Plate Assembly.

3.7.2. Console contains no additional fuses.

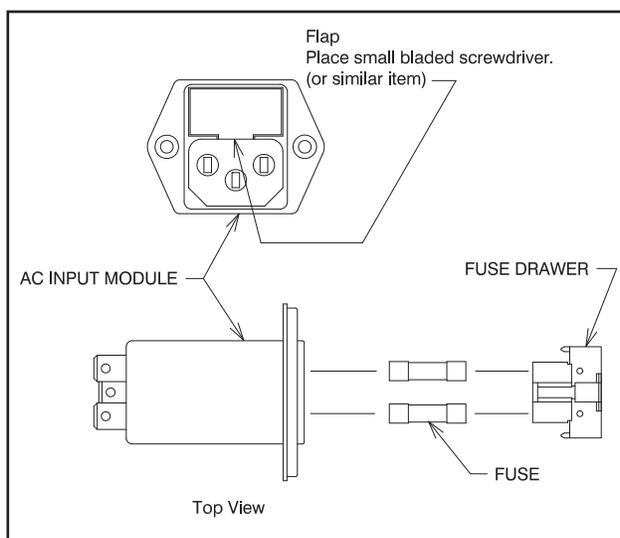


FIGURE 7

TROUBLE SHOOTING GUIDE

INSTRUMENT STAND

PROBLEM	PROBLEM CAUSE	SOLUTION
1) UNIT NOT GETTING POWER	A) UNIT NOT PLUGGED INTO OUTLET B) BLOWN FUSE(S) C) BASE CAP OR CONSOLE NOT PLUGGED IN	A) PLUG POWER CORD INTO WALL) REPLACE FUSE (S) C) PLUG BASE CAP OR CONSOLE INTO BASE
2) CHAIR CONTROLS NOT FUNCTIONING	A) CHAIR CONTROL CABLE NOT CONNECTED TO STAND B) BASE CAP OR CONSOLE NOT CONNECTED TO CONTROL CABLE	A) CONNECT CHAIR CONTROL CABLE TO STAND B) CONNECT BASE CAP OR CONSOLE TO CONTROL CABLE ON TOP OF THE STAND
3) WELLS NOT RECHARGING	A) UNIT NOT PLUGGED INTO OUTLETA B) POOR CABLE CONNECTIONB	A) PLUG POWER CORD INTO WALL B) CONNECT CABLE TO WELL PCB
4) OVERHEAD LAMP NOT FUNCTIONING	A) OVERHEAD LAMP NOT PLUGGED INTO "LAMP" OUTLET	A) PLUG OVERHEAD LAMP INTO "LAMP" OUTLET
5) AUXILIARY ARM NOT RECEIVING POWER	A) AUXILIARY ARM NOT PLUGGED INTO OUTLET	A) PLUG AUXILIARY ARM INTO OUTLET

Should your Instrument Stand not perform properly, or if the product is in need of repair, contact the Technical Service Department, Haag-Streit USA, 3535 Kings Mills Road, Mason, Ohio 45040-2303, or call 1-800-787-5426.

4.0 ATTACHING OUTLET COVERS (Covers are needed only in accordance with IEC 60101-1 3rd Edition)

NOTE: Be sure to **unplug** the power cord from the wall outlet.

REMARQUE: Assurez-vous de débrancher le cordon d'alimentation de la prise murale.

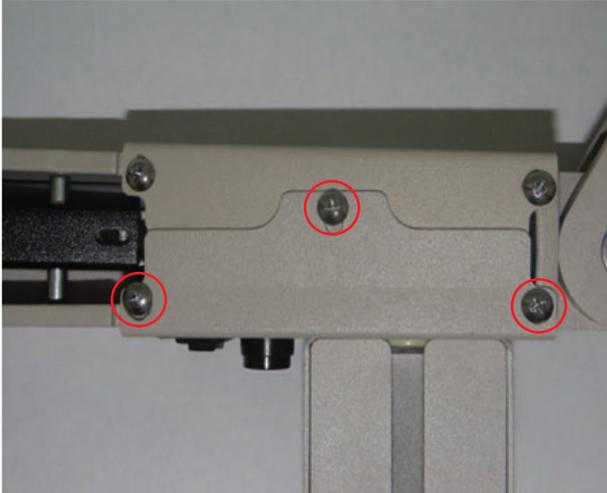


FIGURE 8



FIGURE 9

4.1. Slit Lamp Arm Cover

4.1.1. With a magnetic tip #2 Phillips Head Screwdriver remove the 3 screws that holds the Upper Arm Cover Plate. (See Figure 8, 9 Screws are circled in red) (Bottom view shown) (Set the screws to the side)

4.1.2. Remove the 2 screws that holds the Outlet and Slit Lamp Arm Cover by inserting the screwdriver through the hole. For a visual guide use the cutout located on the top of the Cover. (See Figure 10) (Set these screws to the side also)

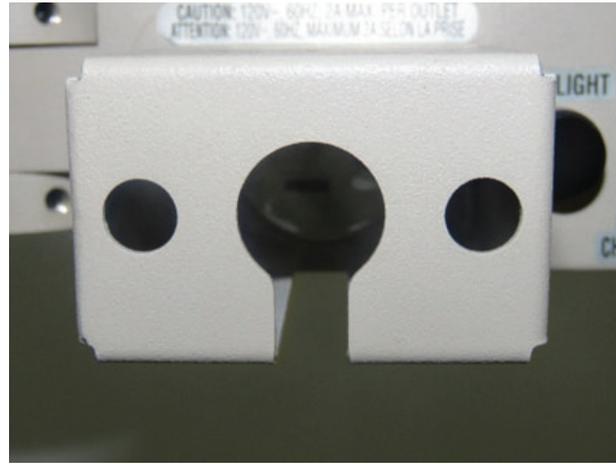


FIGURE 10

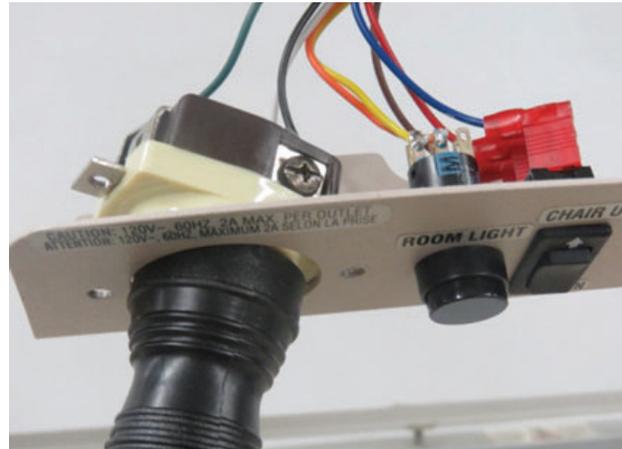


FIGURE 11

4.1.3. Plug in the Accessory. You will have to hold the outlet while pressing in the outlet. (See Figure 11)



FIGURE 12

4.1.4. Retrieve the Grommet from the installation packet. Place Grommet around the Power Cord. (See Figure 12)
4.1.5. Push the Power Cord into the slot on the Cover. (See Figure 13)

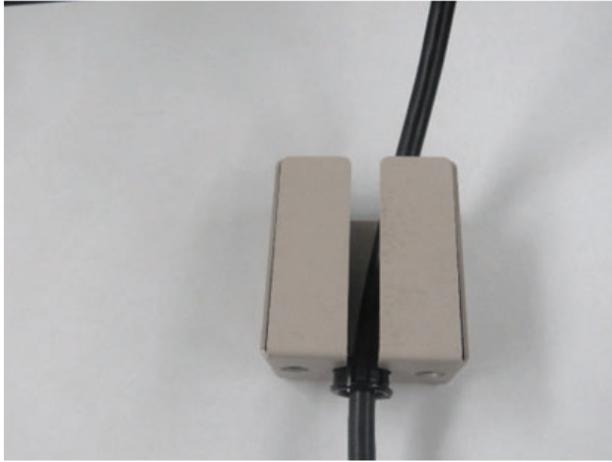


FIGURE 13

4.1.6. Press the Grommet into the hole in the Cover. (See Figure 13)

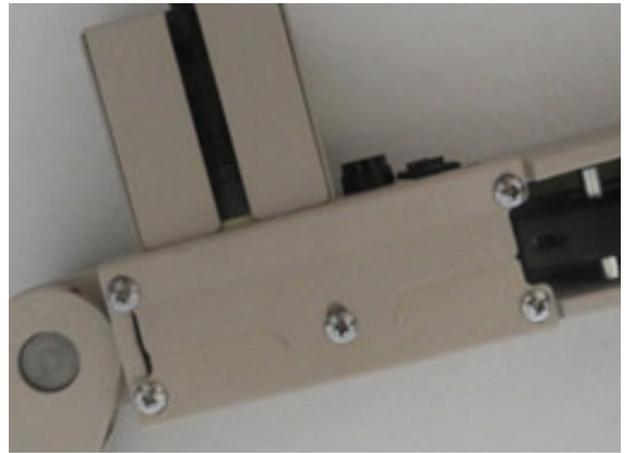


FIGURE 16

4.1.8. Re-attach Slit Lamp Arm Cover Plate by screwing in the (3) Screws in the bottom of the Slit Lamp Arm. (See Figure 16)



FIGURE 14



FIGURE 15

4.1.7. Re-attach the Cover using the (2) screws that were removed earlier. First place the screw on the tip of the magnetic screwdriver and insert through both holes in the Cover and the hole in the Upper Arm Cover Plate (See Figure 14, 15)

CLEANING AND MAINTENANCE/REPAIR

Cleaning Painted Surfaces

Painted surfaces are covered with a durable powder coat paint which is resistant to scratching and scuffing. Painted surfaces may be cleaned with a clean cloth dampened with mild, soapy water or equivalent household spray cleaner.

Recommended Infection Control Products

The following Infection Control Products have been tested on the equipment and will not cause damage to painted surfaces or plastic covers:

- Cavicide® Hospital Disinfectant
- Precise® Hospital Foam Cleaner Disinfectant

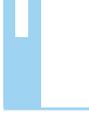
 **WARNING: REFER TO LOCAL OR HEALTHCARE PROFESSION GUIDELINES FOR SELECTING EFFECTIVE INFECTION CONTROL PRODUCTS.**

 **AVERTISSEMENT : SE RÉFÉRER AUX DIRECTIVES LOCALES OU DES PROFESSIONS DE LA SANTÉ POUR SÉLECTIONNER DES PRODUITS DE CONTRÔLE D'INFECTION EFFICACES.**

 **CAUTION: Follow manufacturer's directions for concentration and application of disinfecting cleaner. Avoid proed application of any disinfectant/cleaner products, because they may cause staining or discoloration of material..**

 **PRÉCAUTION : Suivez les instructions du fabricant pour la concentration et l'application de nettoyeurs désinfectants. Évitez une application proée de tout produit désinfectant/nettoyant, parce que ceux-ci pourraient causer des taches ou une décoloration du matériel.**

 **Note:** Equipment should be cleaned as needed or per local or healthcare profession guidelines.

 **REMARQUE :** L'équipement devrait être nettoyé au besoin ou selon les directives locales ou celles des professions de la santé.

 **CAUTION: To avoid environmental hazards when equipment has reached the end of its useful life, dispose of equipment per local regulations.**

 **PRÉCAUTION : Pour éviter les risques environnementaux lorsque l'équipement a atteint la fin de sa vie utile, disposez de l'équipement selon les réglementations locales.**

 **WARNING: TO AVOID BIOLOGICAL HAZARDS WHEN EQUIPMENT HAS REACHED THE END OF ITS USEFUL LIFE, DISPOSE OF EQUIPMENT PER LOCAL REGULATIONS OR HEALTHCARE PROFESSION GUIDELINES.**

 **AVERTISSEMENT : POUR ÉVITER LES RISQUES BIOLOGIQUES LORSQUE L'ÉQUIPEMENT A ATTEINT LA FIN DE SA VIE UTILE, DISPOSEZ DE L'ÉQUIPEMENT SELON LES RÉGLEMENTATIONS LOCALES OU LES DIRECTIVES DES PROFESSIONS DE LA SANTÉ.**

 **WARNING: BEFORE THE UNIT IS SERVICED DISCONNECT EQUIPMENT FROM MAIN INPUT POWER.**

 **AVERTISSEMENT: AVANT QUE L'UNITÉ NE SOIT ENTRETENUE, DÉBRANCHEZ L'ÉQUIPEMENT DE L'ALIMENTATION D'ENTRÉE PRINCIPALE.**

 **Note:** To ensure a long service life, the device should be cleaned as described. It is also recommend having the device inspected by an authorized service technician annually.

 **REMARQUE :** Pour assurer une longue durée de vie, l'appareil doit être nettoyé comme décrit. Il est également recommandé de faire inspecter l'appareil par un technicien d'entretien autorisé chaque année.

 **Note:** For repair, contact the Technical Service Department, Haag-Streit USA, 3535 Kings Mills Road, Mason, Ohio 45040-2303, or call 1-800-787-5426.

 **REMARQUE :** Pour la réparation, contactez le département de service technique, Haag-Streit USA, 3535 Kings Mills Road, Mason, Ohio 45040-2303, or call 1-800-787-5426.

LIMITED WARRANTY

The Ophthalmic Stand OSC 600 product must be used only for the purposes and in the manner described in the literature distributed with the product. The products are warranted against defective materials and workmanship for a period of one (1) year from date of installation. Products or parts thereof will be repaired or replaced as required at Haag-Streit USA, Inc. Such repair or replacement shall be the sole remedy under this warranty. This warranty extends only to the original purchaser from an authorized Haag-Streit dealer and is subject to the following conditions:

1. The warranty card must be completed and returned to Haag-Streit USA, Inc. within two (2) weeks from the date of installation.
2. Installation and servicing of the products must be performed by trained Haag-Streit USA, Inc equipment dealer service personnel in accordance with the appropriate instructions manual for the products. Warranty will be voided if installation is performed by a non-authorized individual
3. The products have not sustained breakage or other types of damage due to accident or misuse.
4. This warranty will not apply to Ophthalmic Stand OSC 600 products which have had the serial number removed, altered or effaced.

EXCEPT FOR THE EXPRESS WARRANTY SET FORTH ABOVE, HAAG-STREIT DOES NOT GRANT ANY WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.

Haag-Streit USA, Inc neither assumes nor authorizes any person to assume for it, any other liability in connection with the sale and use of its products.

REMEDIES ARE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF PARTS. HAAG-STREIT USA, INC. EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF THE EQUIPMENT.

Claims covered by this warranty will be honored when presented within one (1) month from discovery of a defect.



MADE IN USA



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