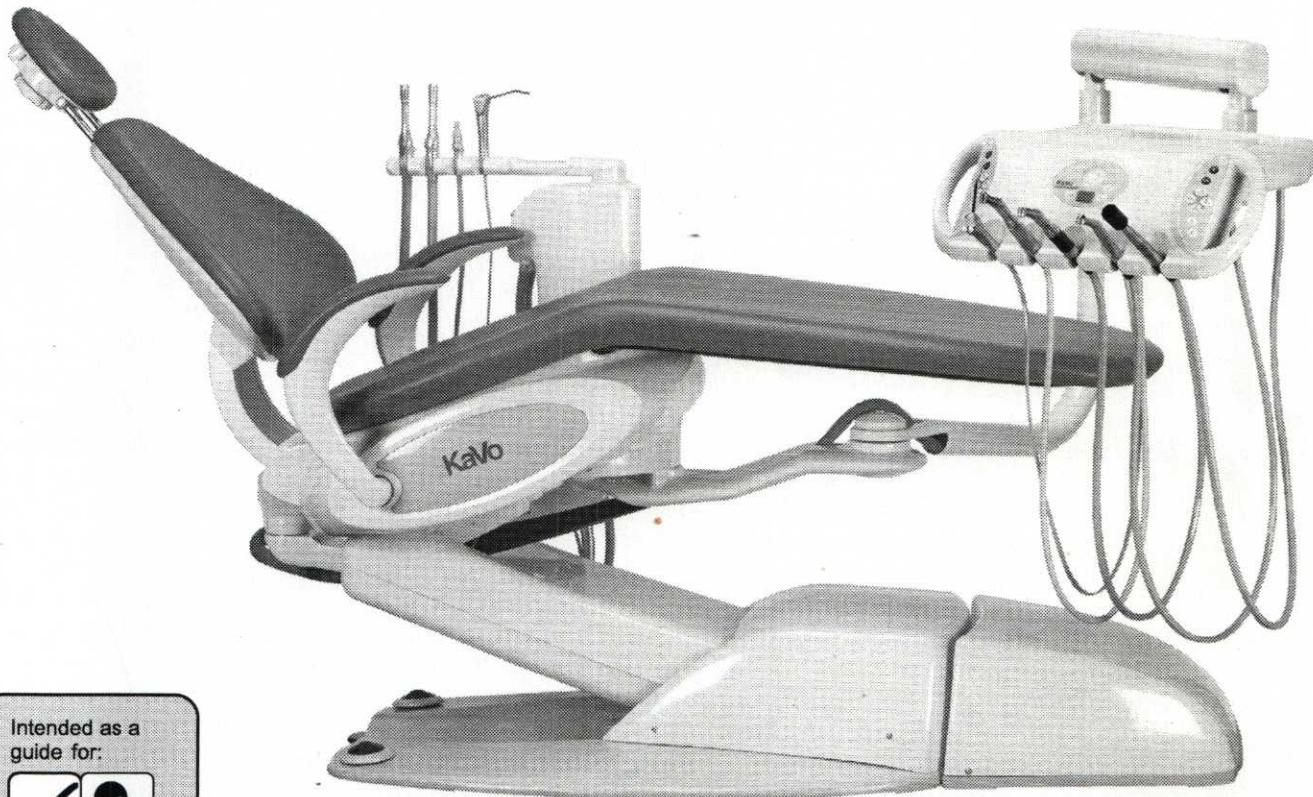


KaVo

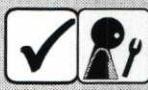
Illustrated Parts Catalog



KaVo ~~environment~~ KLR 300 series Chairs, Units and Lights



Intended as a
guide for:



the technician



the dentist



the assistant

KaVo America Corporation

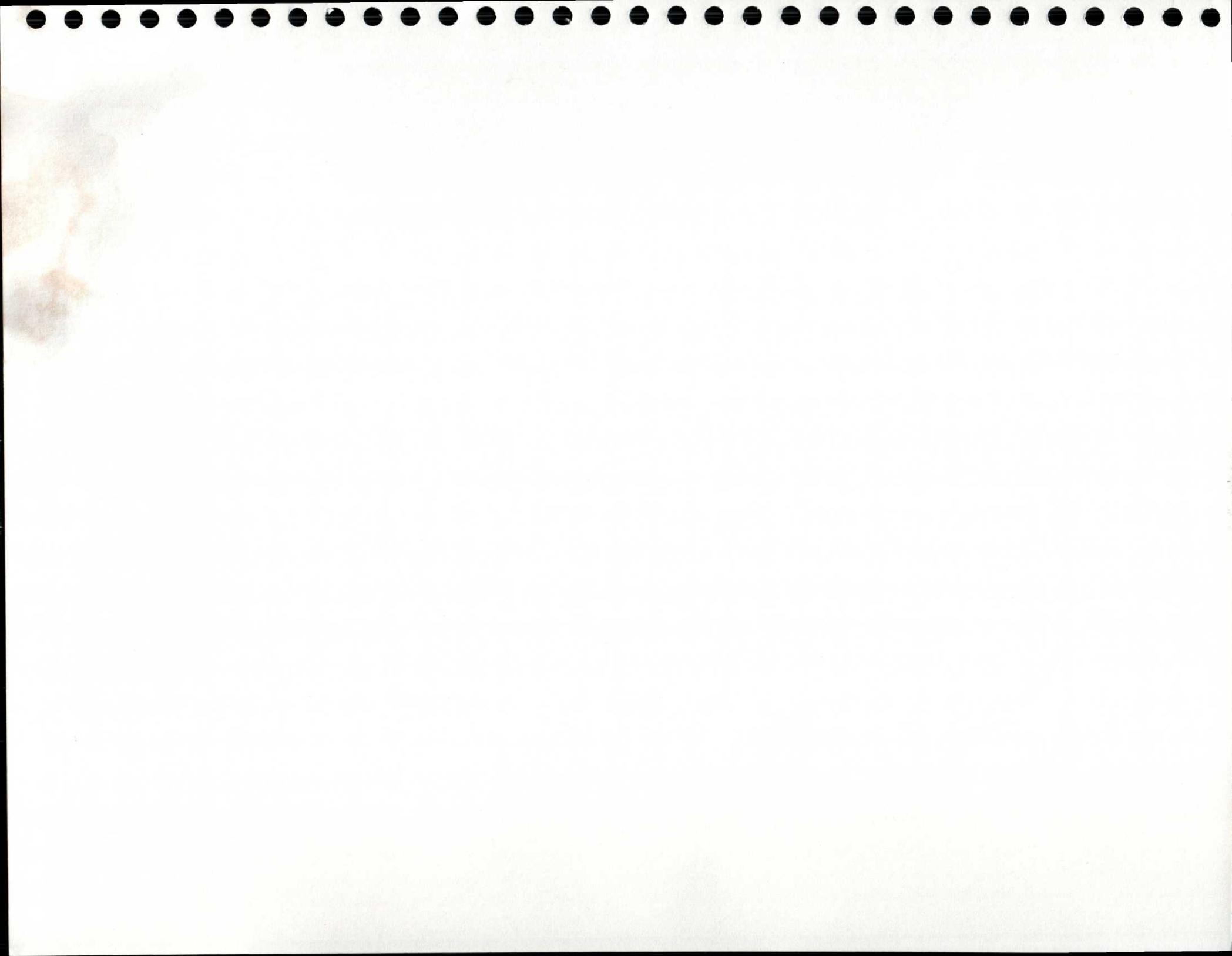
340 East Main Street, Lake Zurich, IL 60047

1-888-KaVo USA (528-6872)

FAX: 1-847-550-6825

www.kavousa.com

906.8229/9.04



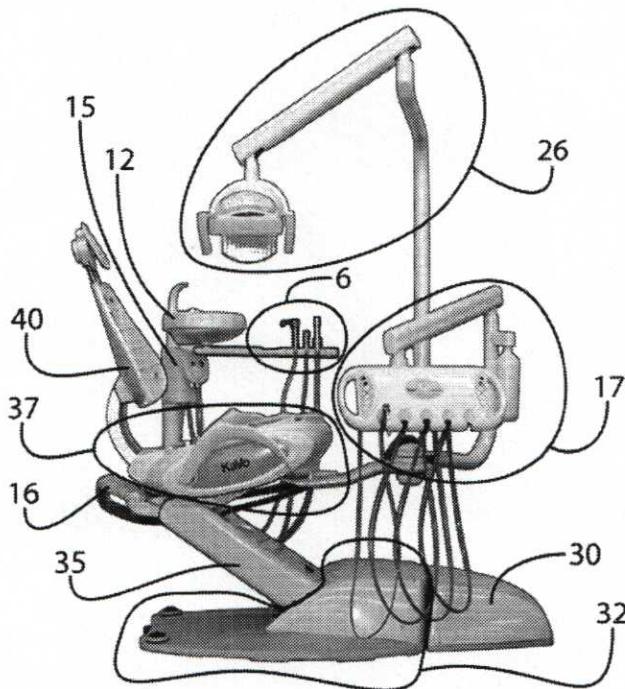
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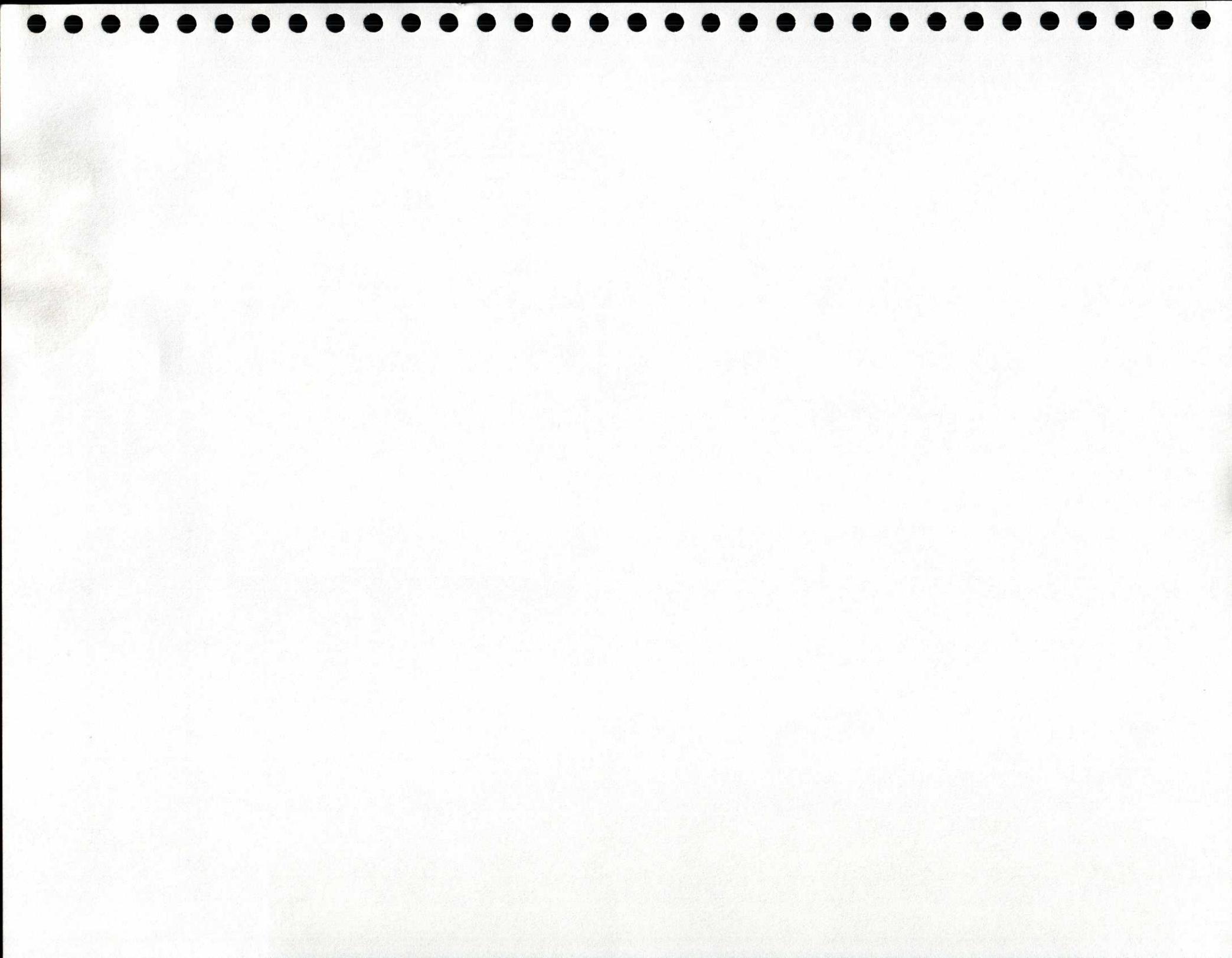
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Section 1: Introduction

Warranty

KaVo America Corporation warrants the following products listed against defective materials and workmanship for two years from the date of installation to the original purchaser including: patient chair, doctors and assistants delivery systems, dental operating lights and operator and assistants stools. A five year warranty applies to the dental chair hydraulic lift and tilt cylinders or cylinder purchased separately. A one-year warranty applies to handpiece tubing, HVE and Saliva Ejector tubing, stool cylinders and upholstery. Light bulbs are not covered under warranty. Handpieces and all other dynamic instruments are covered according to the provisions listed in the manufacturers retail price book. KaVo will provide parts for the warranty repair exclusive of labor. The warranty does not cover damage due to misuse, improper installation or maintenance, and damage resulting from the use of disinfection solutions. Modifications of KaVo products or failure to follow required maintenance procedures listed in the Operation Guide could void the warranty.

Return Policy

Authorized dealers who return products to KaVo America for credit consideration must provide the original invoice number, serial number, reason for return, i.e. warranty, overstock, ordering error, with completed return authorization form signed by your KaVo Sales Representative. A 15% restocking charge will be applied to overstock returns items and unopened merchandise items. If the part or component is being returned under warranty, a copy of the replacement invoice number and original equipment serial number must be provided and supporting service documentation before the part or component is returned. Once approved, KaVo Customer Service will issue a return authorization number to be included with the returned product, along with a shipping address.

Technical Support

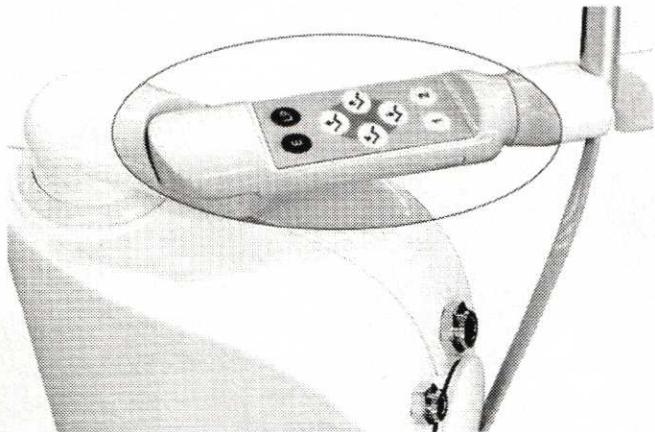
KaVo's staff of trained service technicians are available toll free at 1-800-323-8029 to assist with assembly, troubleshooting and parts ordering. Feel free to call for assistance.

Pricing

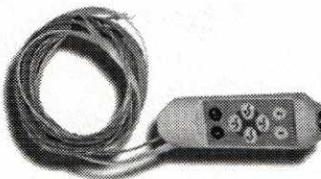
Please refer to the latest Price Sheet Addendum for current pricing.

While every effort has been made to provide accurate pricing at the time of publishing, market fluctuations make it necessary to reserve the right to change prices without notice.

Assistant's Touchpad



Replacement Touchpad



Touchpad Assembly

1002.5364

- Includes housing, overlay, circuit board and wiring harness.

Blank Touchpad Assembly

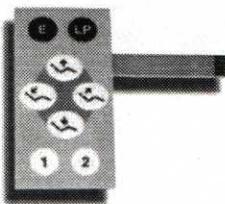


- Assembly includes housing with bottom cover and blank overlay.

Blank Touchpad Assembly
Blank Touchpad Overlay

1001.4158
1001.3941

Touchpad Overlay

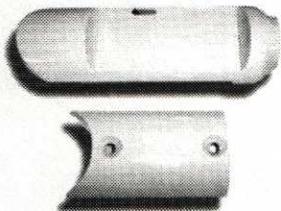


Touchpad Overlay

0800.0420

- Adhesive backed with ribbon cable to plug into circuit board.

Touchpad Housing

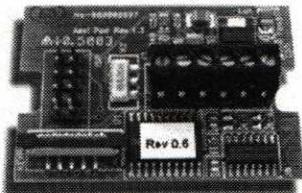


- Housing and bottom cover available individually.

Touchpad Housing
Touchpad Bottom Cover

0800.0409
0800.0410

Touchpad Circuit Board



Touchpad Circuit Board

0800.0697

- Replaces circuit board inside touchpad housing.

Circuit Board Gasket



- Insulated gasket to prevent contact between circuit board and housing.

Circuit Board Gasket

1001.5873

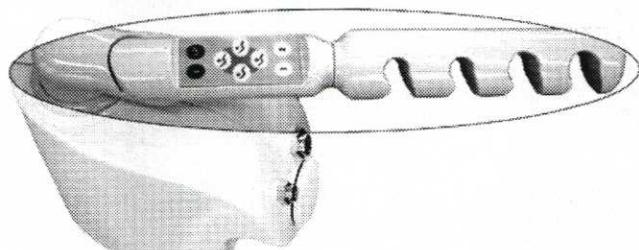
Touchpad Hardware



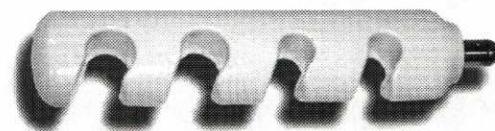
- Flat head screws secure touchpad bottom cover.
- Nylon tipped set screw adjusts pivot friction of instrument holder.

Flat Head, 10-32 x 1/2"
#6-32 Nylon Tip Set Screw

0800.0594
1001.5536



Instrument Holder

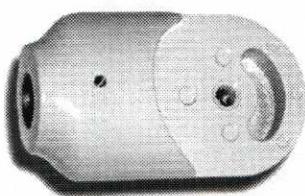


- Attaches to rear of touchpad housing.

Instrument Holder

0800.0413

Rear Arm Swivel Bracket

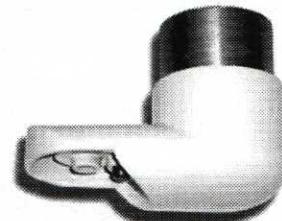


- Used to support the assistant's instrumentation on cuspidor equipped models.

Rear Arm Swivel Bracket

0800.0421

Short Arm Adapter



- Used on models without cuspidor.

Short Arm Adapter

0800.0664

Short Arm Assembly

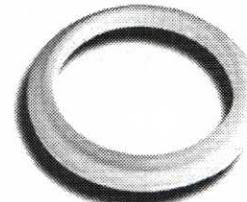


- For units without cuspidor or assistant's touchpad.

Short Arm Assembly

1001.0019

Teflon Swivel Washer

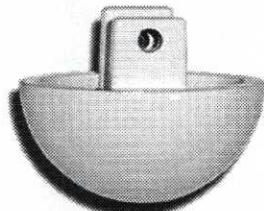


- Thrust washer inside the touchpad pivot.

Teflon Swivel Washer

1002.1834

End Cap

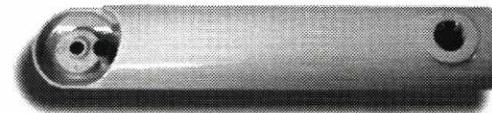


- Installed in the end of the short arm, under the cuspidor.

End Cap

0800.0646

Short Arm



- Attaches to the underside of the cuspidor.

Short Arm

0800.0402

Assistant's Rear Arm (continued)

Dowel Pin

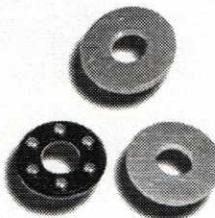


- Limits the range of motion of the pivoting touchpad.

Dowel Pin

1003.4646

Thrust Bearing Assembly



- Installed under the bolt head securing the touchpad body to the short arm or adapter.

Thrust Bearing Assembly

0800.0643

Thrust Bearing



- Sandwiched between two thrust washers and assembled onto the connector sleeve, up against the hex head.

Thrust Bearing

0800.0666

Thrust Washer

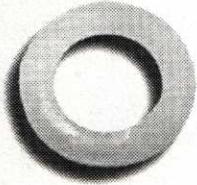


- Two are required to be used with the thrust bearing to the left.

Thrust Washer

0800.0665

Nylon Thrust Washer



- Assembled onto the connector sleeve between the cuspidor chassis and the short arm.

Nylon Thrust Washer

1001.1687

Connector Sleeve



- Connects the short arm to the underside of the cuspidor chassis.

Connector Sleeve

0800.0401

Cover Ring



- Used on top of the post box, at the base of the cuspidor chassis and the short arm adapter.

Cover Ring

0800.0332

HVE Handpiece



- Autoclavable HVE handpiece.

HVE Handpiece

1000.9841

HVE Assembly



- Complete assembly includes couplers, handpiece, tubing and cleaning brush.

HVE Assembly

1001.0392

HVE/Solids Collector Adapter



- Adapts HVE tubing to the intake port under the solids collector.

HVE/ Solids Collector Fitting

0800.0710

HVE Handpiece Coupler



- Creates a quick release fitting for the HVE handpiece.

HVE Coupler

0800.0707

HVE Brush



- For cleaning the HVE handpiece.

HVE Brush

1001.5117

HVE Tubing



- Replace worn or damaged tubing.

HVE Tubing

1001.5013

Coupler O-Ring



- Prevent vacuum loss between coupler and handpiece.

Coupler O-Ring

0906.7024

Assistant's SE

SE Handpiece



SE Handpiece

- Autoclavable saliva ejector

1000.9842

SE Tip



SE Tip

- Autoclavable SE tip

0906.7027

SE Brush



- For cleaning the SE tip.

SE Brush

1001.3124

SE Tubing



SE Tubing

- Replace worn or damaged tubing.

0906.6573

SE Handpiece Coupler

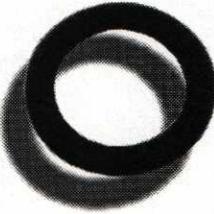


SE Coupler

- Quick release handpiece coupler attaches to SE tubing.

0800.0262

O-Ring



2-012 O-Ring

- Prevent vacuum loss between coupler and handpiece.

1000.9826

SE Screens



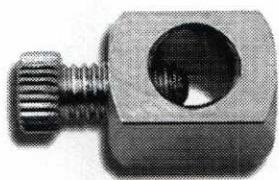
- Package of 10

SE Screen

0906.6599

Autoclavable Syringe

Mini Flow Restrictor



- Two are installed on the syringe tubing to control air and water flow.

Mini Flow Restrictor

1001.1493

Syringe



- Autoclavable syringe with tubing and replacement O-ring kit.

Syringe

1000.9830

Syringe Tip

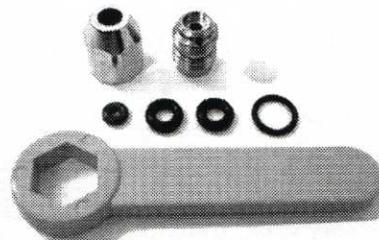


- Removable, autoclavable, syringe tips make convenient spares.

Syringe Tip

0800.1135

Locking Syringe Nut Kit

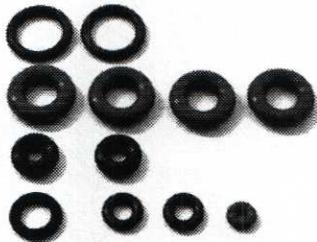


- Includes nut, collet, o-rings and wrench.

Locking Syringe Nut Kit

0800.0010

Syringe O-Ring Kit



- Refurbish leaking syringes.

Syringe O-Ring Kit

0906.7026

Syringe Repair Kit



- Includes new buttons, springs and o-rings.

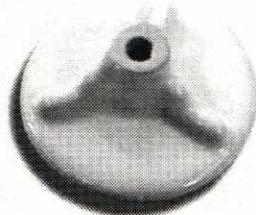
Syringe Repair Kit

0800.1113

Cuspidor



Cuspidor Drain Guard

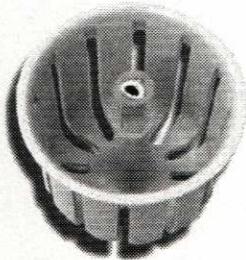


- Ceramic guard covers strainer.

Cuspidor Drain Guard

1001.4464

Cuspidor Strainer



- Strainer should be replaced periodically.

Cuspidor Strainer

0800.0306

Bowl Rinse Spout



- Fits directly onto the bowl rinse socket. Two O-rings are pre-installed.

Bowl Rinse Spout

1003.5482

Cup Fill Spout



- Fits directly onto the cup fill socket. Two O-rings are pre-installed.

Cup Fill Spout
Spout O-Ring

1003.3542
0800.0800

Bowl Rinse Socket



- Hinged socket responds to pressure activation of bowl rinse spout.

Bowl Rinse Socket

1001.3013

Cup Fill Socket



- Hinged socket responds to pressure activation of cup fill spout.

Cup Fill Socket

1001.3012

Spout Grommet



- Prevents potential leakage into cuspidor chassis.

Spout Grommet

0800.0135

Cuspidor (continued)

Spout Return Springs

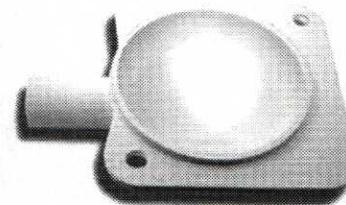


- Returns the cuspidor spouts to their normal position after activation.

Spout Return Springs

1001.2586

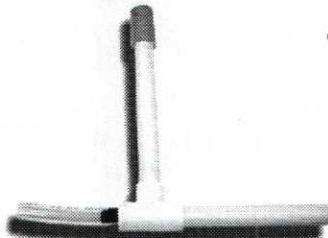
Drain Cup



Drain Cup

1001.2887

Drain Tube Assembly

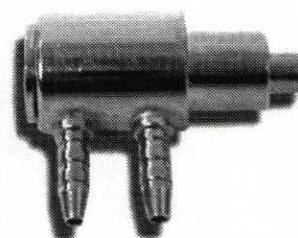


- Provides a vented connection between the drain cup and the gravity drain tubing in the post box umbilical.

Drain Tube Assembly

1001.0628

Trigger Valve



Trigger Valve

0800.0801

Trigger Retention Set Screw



- Secures the trigger valves in position adjacent to the cuspidor sockets.

Set Screw

0800.0809

Cuspidor Adapter



Cuspidor Adapter

1001.1758

Adapter O-Ring



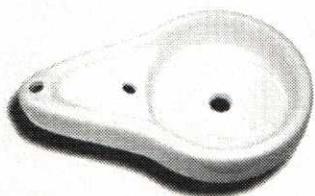
- Fits into groove on cuspidor adapter.

Adapter O-Ring

1001.2691

Cuspidor (continued)

Ceramic Cuspidor Bowl



Ceramic Cusp. Bowl

- Replaces chipped or cracked cuspidors.

1001.2587

Cuspidor Magnet



Cuspidor Magnet

1001.2589

Cuspidor Chassis, no Hole

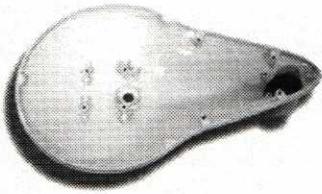


Cuspidor Chassis, no hole

- For models without assistant's instrumentation.

0800.0295

Cuspidor Chassis, with Hole



Cuspidor Chassis w/ Hole

0800.0610

Side Covers

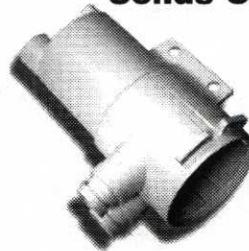
- Supplied with or without cutout for water bottle.

Side Covers

1001.4039

Side Covers w/Bottle Cutout

1002.1462

Solids Collector Body

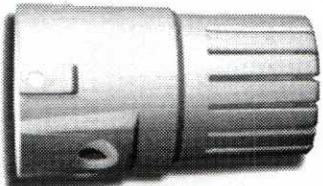
- Two o-rings are used, one on each intake port.

Solids Collector Body

0800.0305

Intake O-Ring

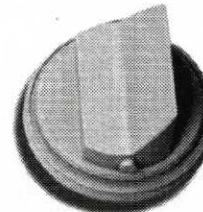
0800.0271

Solids Collector Strainer

- Disposable strainer slips inside solids collector body.

Solids Collector Strainer

0800.0307

Solids Collector Lid

- Lid provides access to strainer and creates a vacuum tight seal.

Solids Collector Lid

1003.3542

Lid O-Ring

1001.5533

Vacuum Drain Tubing

- Replacement 5/8" vacuum drain tubing.

Vacuum Drain Tubing

0800.1125

Solids Collector Plug

- Caps off one of the vacuum ports when not in use.

Solids Collector Plug

0800.0711

1/4" Male QD

- For tapping into the accessory water QD at right.

1/4" Male QD

0800.0140

1/4" Female QD

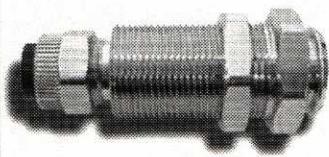
- Mounted under the solids collector to provide a quick disconnect water supply.

1/4" Female QD

0800.0020

Post Box (continued)

3/8" Female QD



- Mounted under the solids collector to provide a quick disconnect air supply.

3/8" Female QD

1001.3112

3/8" Male QD



- For tapping into air supply quick disconnect at left.

3/8" Male QD

1001.4092

Tubing Adapter

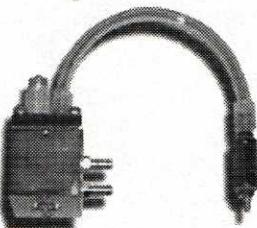


- Fits into the compression fitting on the back of the QD receptacles and adapts them to 1/4" O.D. tubing.

Tubing Adapter

1001.3211

Cuspidor Timing Valve Assembly



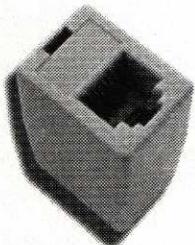
- Two are used; one for the cup-fill and one for the bowl-rinse.



Timing Valve Assembly
Adjustable Needle Valve

0800.0103
0800.0106

Data Cable Coupler

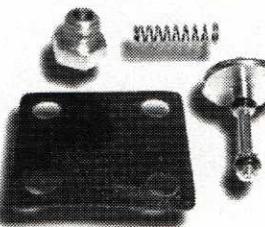


- Coupler connects assistants touchpad data cable to data cable in the post box umbilical.

Data Cable Coupler

0800.0896

Timing Valve Repair

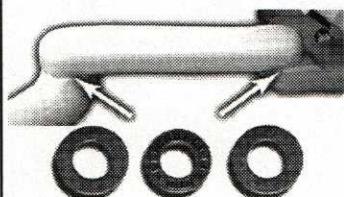


- Refurbishes timing valve internals.
Diaphragm is included in the kit or may be purchased separately.

Timing Valve Repair Kit
Timing Valve Diaphragm

0906.9149
0800.0091

Rear Arm Thrust Bearings

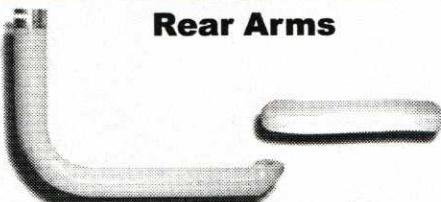


- Order two washers and one bearing per pivot. Rear arm has two pivot points as indicated.

Thrust Washer
Thrust Bearing

0800.0609
0800.0608

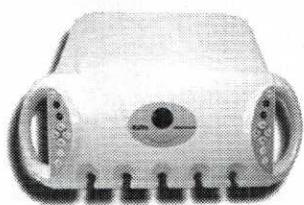
Rear Arms



- Provides the connection between the rear adapter on the seat frame and the post box.

Short Rear Mount Arm
Rear Assistant's Arm

0800.0017
0800.0121

Control Head Cover Assembly

- Includes handles, touchpads, Pressure gauge overlay and mounting standoffs.

Cover Assembly

1001.7576

Right Touchpad Overlay

- Adhesive-backed touchpad with ribbon cable.

Right-side Touchpad

0800.0157

Air Gauge Overlay

- Adhesive-backed with pressure gauge viewing lens.

Air Gauge Overlay

0800.0159

Left Touchpad Overlay

- Adhesive-backed touchpad with ribbon cable.

Left-side Touchpad

0800.0156

Control Head Handle

- Replace worn or discolored handles. Fits either side.

Control Head Handle

0800.0427

Control Head Cover Standoffs

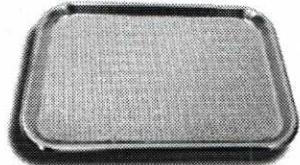
- Four standoffs provide mounting points on backside of cover.

Front Standoff (short)

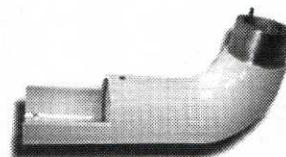
1000.9853

Rear Standoff (long)

1000.9854

Instrument Tray

- Spare trays prevent delays between patients.

Stainless Instrument Tray
Non-slip Tray Liner1001.1023
1001.1024**Mounting Post**

- Connects the control head to the counterbalance arm.

Mounting Post

0800.0429

Doctor's Control (continued)

Counterbalance Arm Assembly



- Includes bottom cover, end caps and swivel joint caps.

Counterbalance Arm

1003.2405

Counterbalance Arm End Cap



- Used on each end of the counterbalance arm.

End Cap

0800.0349

Swivel Joint Cap



- Used to cover the swivel joint at each end of the counterbalance arm.

Swivel Joint Cap

0800.0370

Counterbalance Arm Bottom Cover

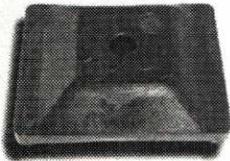


- Bottom cover provides access to spring tension adjustment.

Bottom Cover

0800.0244

Bottom Cover Retainers



- Two retainers are used to secure the bottom cover to the counterbalance arm.

Bottom Cover Retainer

1001.0505

Control Head Support Post



- Mounts to the upper hub, below. Utilizes the thrust bearing assembly, below to pivot smoothly.

Control Head Support Post

1001.7538

Support Post Upper Hub



- Upper hub is bolted to the front chair adapter to accept the control head support arm.

Chair Adapter Upper Hub

0800.0501

Upper Hub Bolt

0800.0831

Upper Hub Cap

0800.0500

Cap Retention Bolt

0800.0833

Thrust Bearing Assembly

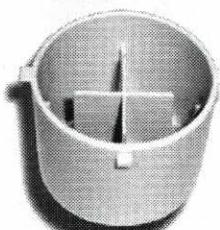


- Each assembly consists of two thrust bearings and four thrust washers. Use half the assembly below the support arm and half above.

Thrust Bearing Assembly

1003.5923

Handpiece Exhaust Oil Trap

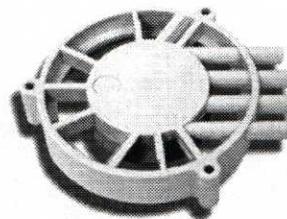


Oil Trap

- Twist-lock trap is removed from underneath the control head.

0710.2212

Exhaust Filter Housing

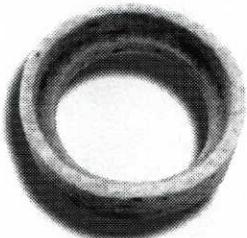


Filter Housing

- Routes handpiece exhaust through two filters and into the oil trap.

0710.2252

Absorbent Filter

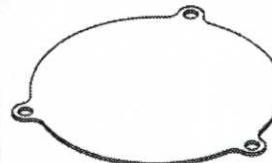


Absorbent Filter

- Absorbent filter prevents oil mist from exhausting through filter vents.

0220.7935

Exhaust Filter Splash Cover



Housing Splash Cover

- Cover prevents oil overflow from contaminating the inside of the control head.

1003.5970

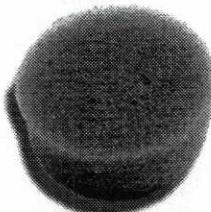
Inlet Port Cap

1003.6120

Mounting Screw

1003.6121

Foam Filter



Foam Filter

- Foam filter diffuses handpiece exhaust entering oil trap

0200.3098

Coolant Air Needle Valve



Coolant Air Needle Valve

- Needle valve under control head regulates handpiece coolant air flow.

0800.0030

Handpiece Flush Button



Water Flush Push Button

- Push button momentary valve under control head flushes water through handpieces.

0800.0494

Fiber-optic Mode Selector



Fiber-optic Mode Selector

- Switch under control head toggles between foot control activated fiber optics and hanger valve actuated fiber optics.

1001.8550

Doctor's Control (continued)

Control Head Master Switch



- Master On/Off switch located under control head.

Master Switch Toggle Valve

0800.0491

#10-32 Plug



- For sealing off unused manifold ports.

#10-32 Plug \$.44

0800.0133

1/4" Nylon Sealing Washer

0800.0139

Female Tee Fitting

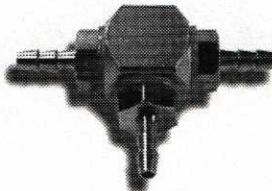


- Female fitting accepts 10-32 barbed hose adapters.

Female Tee Fitting

0800.0661

Shuttle Valve



- The shuttle valve has a shorter body than a standard tee fitting. Supplied with 1/16" barbs.

Shuttle Valve
1/8" Ferrule

0800.0495
0800.0937

1/16" Barbed Fitting



- #10-32 threads on one end and 1/16" barb on the other for an 1/8" O.D. hose.

1/16" Barbed Fitting

0800.0131

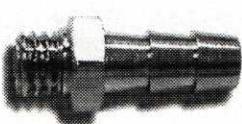
1/4" Nylon Sealing Washer

0800.0139

1/8" Ferrule

0800.0937

1/8" Barbed Fitting



- #10-32 threads on one end and 1/8" barb on the other for a 1/4" O.D. hose.

1/8" Barbed Fitting

0800.0132

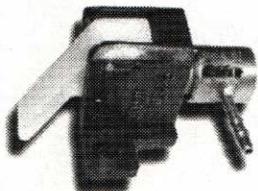
1/4" Nylon Sealing Washer

0800.0139

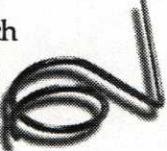
1/4" Ferrule

0800.0938

Handpiece Hanger Valve



- Signals which handpiece is active.



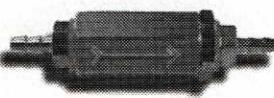
Handpiece Hanger Valve

0270.3440

Hanger Valve Lockout Pin

1001.1131

Check Valve



- Two check valves inside the control head allow flow in one direction only.

Check Valve

0800.0492

1/8" Ferrule

0800.0937

1/16" In-line Connector



- For splicing 1/8" O.D. polyurethane hose.

1/16" In-line Hose Connector
1/8" Ferrule

1000.9862
0800.0937

6 Pin Handpiece Tubing

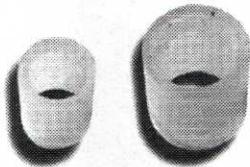


- Replace worn or damaged tubing to handpieces with integrated bulbs.

6 Pin Handpiece Tubing

1001.1234

Tubing Ferrules



- 1/8" ferrule for 1/8" O.D. tubing. 1/4" ferrule for 1/4" O.D. tubing.

1/8" Ferrule
1/4" Ferrule

0800.0937
0800.0938

4 Hole Handpiece Tubing



- Replace worn or damaged tubing. Includes coupler sleeve.

4 Hole Handpiece Tubing

1001.1233

Handpiece Coupler Sleeve



- For 4 hole and 6 pin handpiece tubing.

Coupler Sleeve

0513.0812

5 Hole Handpiece Tubing



- Replace worn or damaged tubing to fiber-optic handpieces. Includes coupler sleeve.

5 Hole Handpiece Tubing
Krypton Bulb

0800.1126
0800.1127

Handpiece Tubing Grommet



- Used where the handpiece tubing enters the control head.

Handpiece Tubing Grommet

0800.0825

Doctor's Control (continued)

Polylux Kit



- Kit includes everything except the Polylux curing light.

Polylux Kit

1001.4093

Polylux Handpiece Tubing

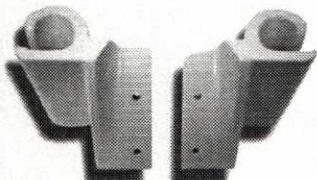


- Replace worn or damaged Polylux handpiece tubing.

Polylux Tubing

0516.1090

Polylux Handpiece Holders



- Polylux handpiece holders available for right or left side positioning.

Right Polylux Holder
Left Polylux Holder

1001.1117
1001.1118

Polylux Harness



- Provides power from the distribution board to the tubing coupler.

Polylux Harness

1001.4042

Handpiece Foot Control



- Switchable for wet or dry cutting. Tubing included.

Handpiece Foot Control

1000.9827

Drive Air Pressure Gauge

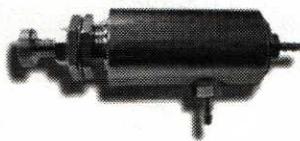


- Provides a visual indicator of relative handpiece speed.

Drive Air Pressure Gauge

1000.9789

Pressure Regulator

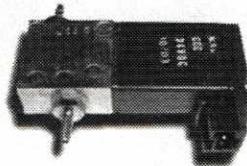


- Regulates air pressure supplied to the water bottle.

Pressure Regulator

0800.0660

CB Arm Brake Solenoid



- Solenoid air valve sets and releases the air brake in the control head counterbalance arm.

CB Arm Brake Solenoid
Solenoid wiring harness

1002.2229
1001.1633

KL700 Retrofit Kit

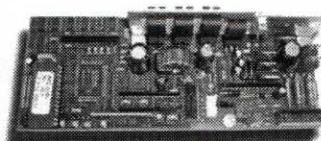


- Kit allows KL700 installation on existing dental units. Handpiece purchased separately.

KL700 Retrofit Kit

1001.0724

KL700 Control Board



- Replacement circuit board.

KL700 Control Board
Splash Guard

0696.0161
1001.4354

KL700 Display Board

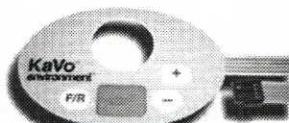


- Replacement display board.

KL700 Display Board

1001.7913

KL700 Overlay



- Adhesive backed touchpad overlay with ribbon cable.

KL700 Overlay

0800.0548

KL700 Display to Control Board Harness



- Connects the KL700 Control Board to the KL700 Display Board

Display to Control Harness

1001.0672

KL700 Coupling with Harness



- Handpiece tubing coupler with attached wiring.

KL700 Handpiece Harness

1001.0671

KL700 Control Board Power Harnesses

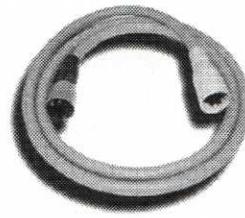


- Connects the Power Distribution Board to the KL700 Control Board and Display Board.

Control Power Harness
Display Power Harness

1001.0696
1001.0694

KL700 Handpiece Tubing



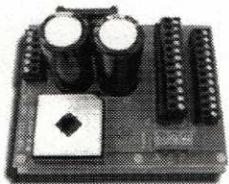
- Replacement handpiece tubing.

KL700 Handpiece Tubing

1001.1860

Doctor's Control (continued)

Power Distribution Board

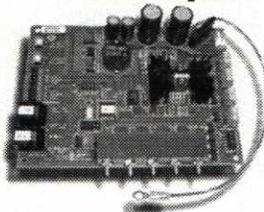


- Provides power to all the circuit boards in the control head.

Power Distribution Board
Polycarbonate Shield
Nylon Standoff

1001.3111
1001.4352
1001.1025

Fiber Optic Circuit Board



- Replacement board with ground wire and air-electric switch array.

Fiber Optic Board
Splash Guard

1001.4244
1001.4355

Handpiece Control Block



- Complete handpiece control block assembly. Ball-end 5/64" wrench.

Handpiece Control Block
Drive Air Adjustment Stem
Drive Air Adjustment Wrench

0800.0626
0800.0613
1001.4357

Fiber Optic Circuit Board Support

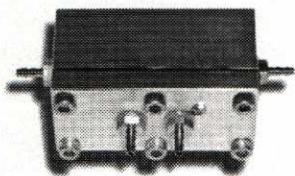


- Harness connects to Power Distribution Board. The board is supported by two of each standoff.

Power Harness
Threaded Front Standoff
Rear Nylon Standoff

1001.1631
0800.0968
1001.1025

Coolant Block Assembly

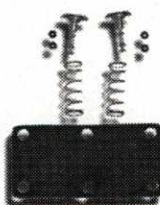


- Complete coolant block assembly.

Coolant Block Assembly

1003.1224

Coolant Block Repair Parts

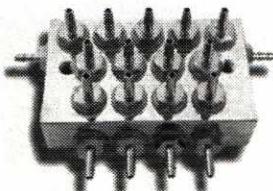


- Includes pistons, o-rings, springs and gasket.

Coolant Block Repair Kit
Single Piston with O-rings
Coolant Block Diaphragm

1002.6640
1002.4269
1002.4676

Air Manifold



- Complete air manifold assembly.

Air Manifold

0800.0142

Doctor's Heated Syringe Kit

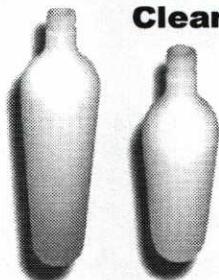


- Ideal for patients with heat sensitivity issues.

Heated Syringe Kit

1001.4387

Clean Water Bottles



- Provides bottled water for handpiece operation in 1 or 1.5 liter capacities.

Water Bottle (1 liter)
Water Bottle (1.5 liter)

0800.0115
0906.9056

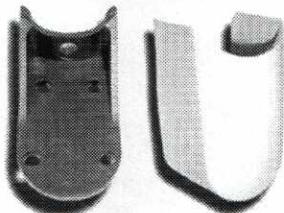
Water Bottle Pressure Cap



Pressure Cap Assembly
Water Bottle Gasket

0800.0112
0906.6572

Water Bottle Bracket and Cover



- Pressure cap mounts under bracket. Cover mounts on top of bracket.

Bottle Mounting Bracket
Water Bottle Cover

0800.0384
0800.0438

Electrotorque Control Panel Bracket



Electrotorque Panel Bracket

1001.6501

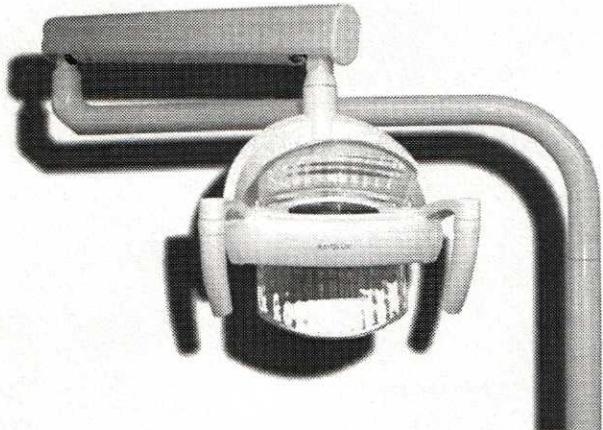
Mounting Hardware



- For mounting the control panel bracket.

Electrotorque Mounting Hardware 1001.3454

KaVoLUX Dental Light



KaVoLUX Bulb



- Tungsten halogen bulb rated for 25 Volts, 150 Watts. Typical life: 5000 hrs.

0740.4211

Bulb Cover Assembly

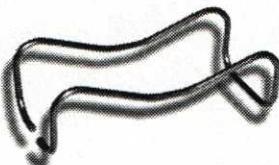


- Cover Assembly includes two pre-installed glass plates.

Bulb Cover Assembly
Glass Plate

0740.4431
0740.4272

Bulb Retention Clip

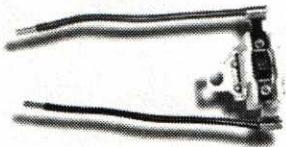


- Clip holds the ceramic base of the bulb securely.

Bulb Retention Clip

0201.7436

Thermal Overload



- Also includes a new terminal block, pictured at right.

Thermal Overload

0740.3481

Terminal Block

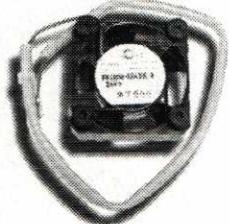


- Enables electrical connections between the wiring harness, thermal overload, bulb and fan.

Terminal Block

0223.1700

Cooling Fan

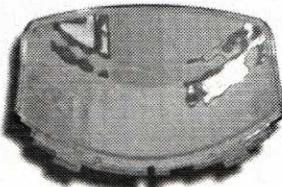


- Includes wiring and rubberized standoffs.

Cooling Fan

0740.3411

Plastic Reflector



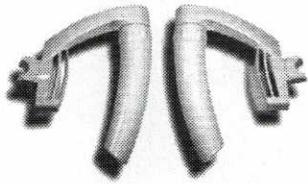
- First-surface, coated polycarbonate reflector. 27.5" focal point.

Plastic Reflector

0740.4772

KaVoLUX Dental Light (continued)

Complete Handle Assembly



- Includes both handle adapters with both handles installed.

Complete Handle Assembly

0740.4691

Replacement Handle



- Autoclavable handles come off by unscrewing the collar at the top.

Replacement Handle

0740.4571

Handle Receiver

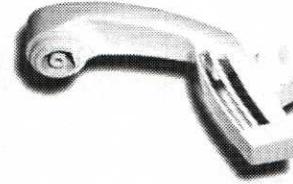


- Handles attach directly to the receivers.

Handle Receiver

0740.4862

Handle Adapters



- Handle receivers attach to the handle adapters.

Handle Adapter (right)
Handle Adapter (left)

0740.6052
0740.6062

Light Yoke Cover



- Cosmetic cover fits along each side of the light yoke.

Light Yoke Cover (right)
Light Yoke Cover (left)

0740.5882
0740.5892

Light Circuit Board



- Located in the chair base to the right of the main board.

KaVoLUX Light Board
5 Amp Slow Blow Fuse
Heat Sink Screw #4-40
Nylon Standoff

0740.3381
0223.2733
0800.0810
1001.1025

KaVoLUX Dental Light (continued)

Switch Housing



- Holds the switch plate, switch lever and the intensity dial.

Switch Housing

0740.5912

Intensity Dial

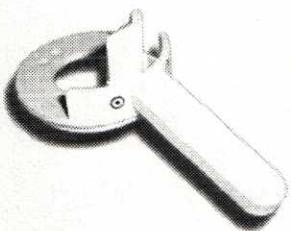


- Allows the light intensity to be quickly and easily adjusted.

Intensity Dial

0740.5932

Switch Lever

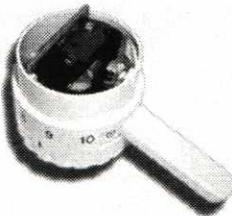


- Switch lever turns the dental light and cooling fan on/off.

Switch Lever

0740.5922

Dimmer Switch Assembly



- Complete assembly eases replacement.

Dimmer Switch Assembly

0906.7078

KaVoLUX Rigid Arm

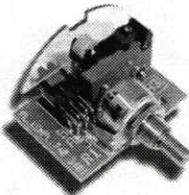


- Complete with bearing assembly shown below.

KaVoLUX Rigid Arm

1001.2048

Switch Plate

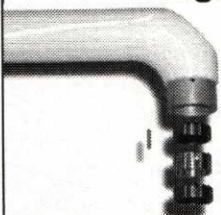


- Includes the micro-switch for on/off operation and the intensity potentiometer.

Switch Plate

0740.3401

Rigid Arm Bearings



- The split bushing is sandwiched between two needle bearings

Needle Bearing
Split Bushing
1/8" Dowel Pin

0800.0837
0800.0369
1001.4842

KaVoLUX Support Post



- Attaches to the front chair adapter on the seat frame.

KaVoLUX Support Post

0800.0498

KaVoLUX Counterbalance Arm



- Complete assembly with lower cover and swivel joint cap.

KaVoLUX Counterbalance Arm

1003.2401

Swivel Joint Cap

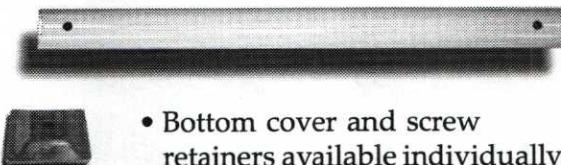


- Used to cover the swivel joint where the CB arm connects to the rigid arm.

Swivel Joint Cap

0800.0370

CB Arm Bottom Cover



- Bottom cover and screw retainers available individually.

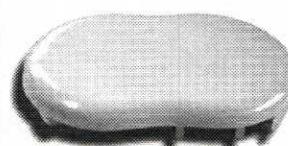
Bottom Cover

0800.0244

Bottom Cover Retainers

1001.0505

CB Arm End Cap

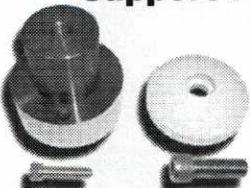


- One cap is used at each end of the counterbalance arm.

CB Arm End Cap

0800.0349

Support Post Upper Hub



- Top mount is only used for the light when there is no Dr.'s control.

Support Post Upper Hub

0800.0501

Upper Hub Bolt

0800.0831

Upper Hub Cap

0800.0500

Cap Retention Bolt

0800.0833

Support Post Bottom Mount



- Bottom mount is only used when the Doctor's control support arm is installed on the top mount.

Chair Adapter Bottom Mount

0800.0502

Bottom Mount Bolt

1001.1686

Thrust Bearing Assembly

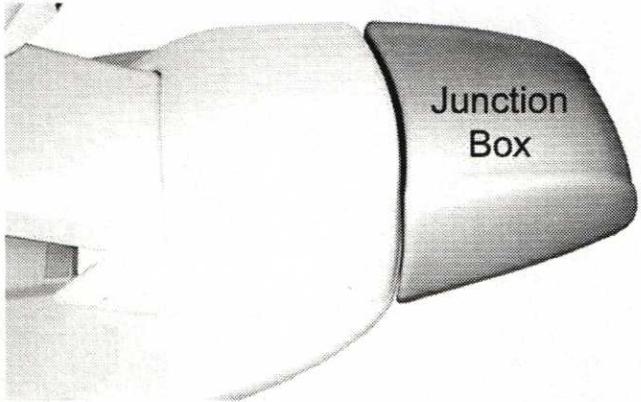


- Order one assembly for the support post. Each assembly consists of two thrust bearings and four thrust washers.

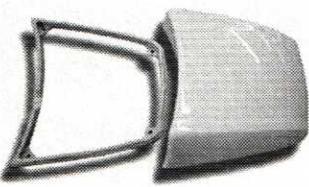
Thrust Bearing Assembly

1003.5923

Utility Junction Box



Base and Cover

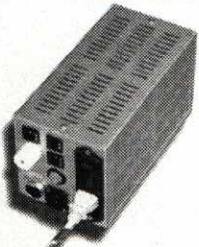


- Standard junction box base and cover configuration.

Junction Box Base
Junction Box Cover

0800.0154
0800.0153

24 VAC Transformer



- 300 Watt power supply for doctor's control and dental light operation.

300 Watt Transformer
110 Volt Power Cord

0800.0676
1002.5109

Remote Junction Box Assembly



- For adapting to wall-based utilities. Includes box, cover, plugs and hose retainers.

Remote Junction Box
Cover only

1001.6094
1001.4469

Transformer Output Cords



- Cords supply 24 Volts AC to the control head and to the KaVoLUX dental light.

Control Head Power Cord
Dental Light Power Cord

1001.2990
1002.5146

Flexible Conduit

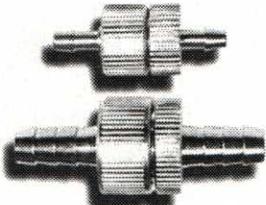


- Protect and conceal umbilical tubing. Split loom is to surround water tubing in the junction box.

2 1/2" Umbilical Hose
5/8" Split Loom Tubing

1001.1868
1001.8314

Threaded Connectors

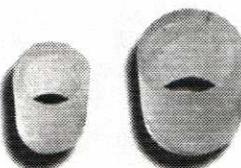


- Used to conveniently connect umbilical tubing to junction box utilities.

1/16" Threaded Connector
1/8" Threaded Connector

1000.9861
1000.9864

Tubing Ferrules



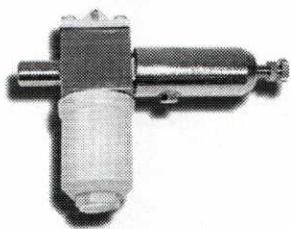
- 1/8" ferrule for 1/8" O.D. tubing. 1/4" ferrule for 1/4" O.D. tubing. Ensure leak free connections over barbed fittings.

1/8" Ferrule
1/4" Ferrule

0800.0937
0800.0938

Utility Junction Box (continued)

Master valve/ Regulator



- Includes filter. Does not include gauge. Connects directly to 3/8" female comp. fitting on utility shut off valve.

Master valve/ Regulator

0800.0828

Filter Element

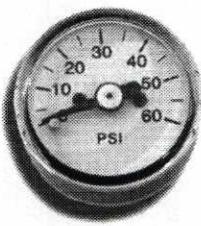


- For the regulator/ master valve assembly. Replace periodically.

Filter Element

0906.6571

Water Pressure Gauge

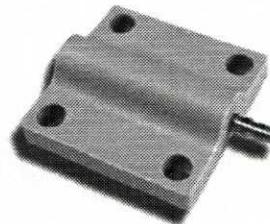


- Rear mount threads into the regulator body above.

60 PSI Pressure Gauge

0800.0659

Master Valve Cover



- Renew a damaged barb with a replacement cover.

Master Valve Cover

0906.6570

Compressed Air Gauge

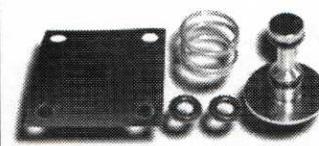


- Rear mount threads into the regulator body above.

160 PSI Pressure Gauge

1001.0395

Master Valve Repair Kit



- For the regulator/ master valve assembly.

Master Valve Repair Kit

0906.6574

#10-32 Threaded Fittings



- Male fittings thread into ports on regulators at top of page.

Female Tee Fitting

0800.0661

1/16" Barbed Fitting

0800.0131

1/8" Barbed Fitting

0800.0132

#10 Sealing Washers

0800.0139

2-1/2" Hose Retainer

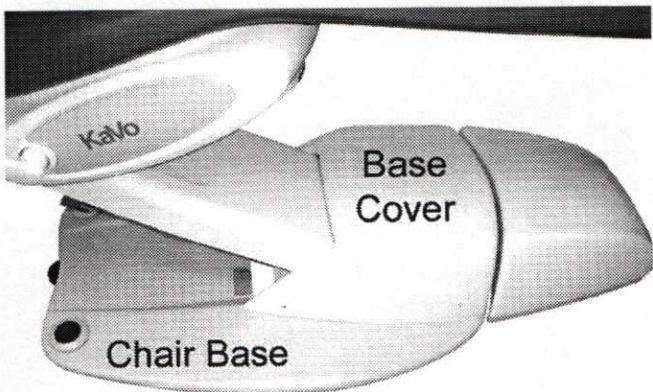


- Spins right onto the 2-1/2" spiral-wound umbilical hose on the opposite page.

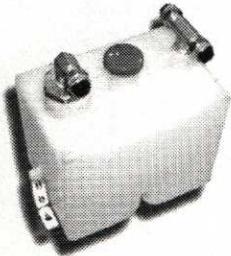
2-1/2" Hose Retainer

1001.4468

Chair Base



Hydraulic Reservoir Assembly

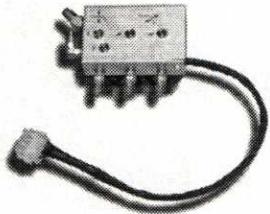


- Includes mounting brackets, cap and top fittings.

Reservoir Assembly

1003.5488

Solenoid Valve Assembly

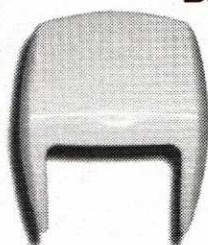


- Six-solenoid valve body with external fittings and wiring harness.

Solenoid Valve Assembly
Adhesive Backed Overlay

1000.9773
1000.9717

Base Cover

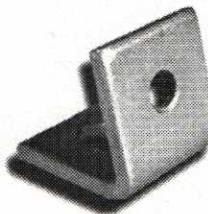


Base Cover

0800.0127

- Replace worn or damaged covers with a new, injection molded cover.

Base Cover Brackets



Base Cover Bracket

0800.0770

- Four are used to mount the base cover. Sold individually.

Hydraulic Pump Assembly

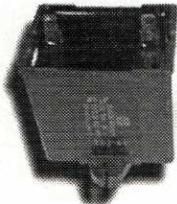


Hydraulic Pump Assembly

1003.5487

- Pump includes wiring, capacitor and cushioned mounts.

Pump Motor Capacitor



- Dry film, motor-run capacitor.
220 VAC, 45uF.

Pump Capacitor

0800.0168

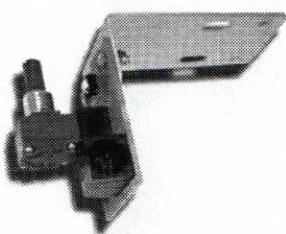
Pump Harness



Pump Harness

0800.0941

- Connects the pump to the capacitor and to the main board.

Chair Height Sensor

- The circuit board includes the potentiometer. Bracket sold separately.

Height Sensor Circuit Board
Height Sensor Bracket

0800.0696
1001.2561

Safety Switch Terminal Block

- Mounts to the height sensor bracket and connects all safety switch wiring in series. Located just to the left of the main board in chair base.

Safety Switch Terminal Block

1001.1862

Height Sensor Couplings

- Couplings tie the rotation of the lower cantilever pivot to the potentiometer on the circuit board.

Grey Coupler
White Limit Eccentric

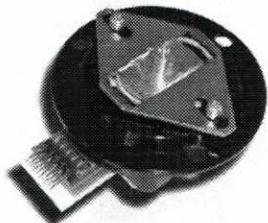
0800.0262
0800.0599

Chair Height Feedback Harness

- Connects the chair height sensor to the main circuit board.

Height Feedback Harness

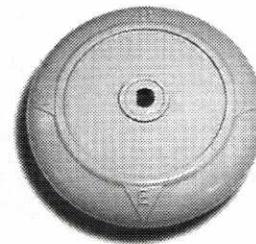
1001.0569

Foot Switch Assembly

- Two foot switches are inset into the rear of the chair base. Cover not included.

Foot Switch Assembly

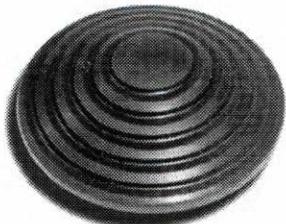
1001.8548

Foot Switch Cover

- Mounts to the foot switch assembly and indicates switch position to move to the programmable presets.

Foot Switch Cover

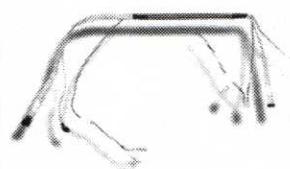
0800.0064

Foot Switch Bumper

- Attaches to the foot switch cover for excellent traction.

Foot Switch Bumper

1000.9913

Foot Switch Harness

- Links the two foot switches and the chair rotation switch to the main board. Includes wiring to the safety switch terminal block.

Foot Switch Harness

0800.0806

Chair Base (continued)

Chair Rotation Button Assembly



- Complete assembly allows easy replacement of a damaged unit.

Chair Rotation Button

1001.4882

Leveling Shims

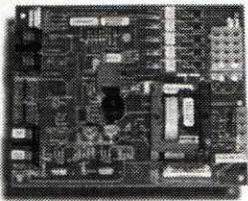


- Used under the chair base to compensate for uneven flooring. Test fit and trim to desired length.

Leveling Shim

1001.3125

Chair Main Board

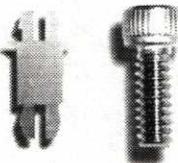


- Main board located under base cover.

Chair Main Board
Circuit Board Cover
10 Amp Fuse

1001.4243
1001.4353
0800.0452

Main Board Fasteners



- The main board is mounted on four Nylon standoffs and secured with one grounding screw.

Nylon Standoff
6-32x3/8" Grounding Screw

1001.1025
0800.0685

Main Board Power Cord

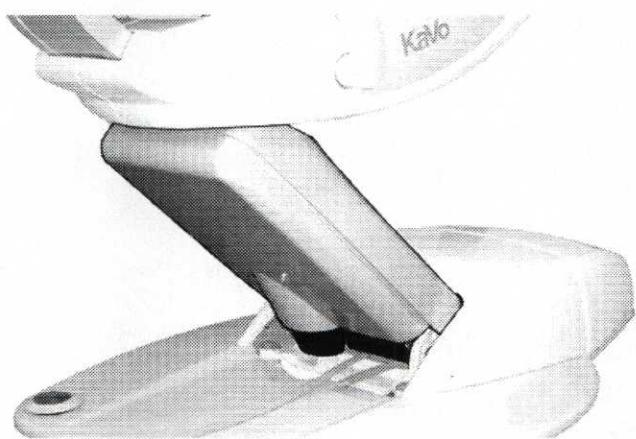


- Main board receives 110 Volts AC. Cord does not include switch.

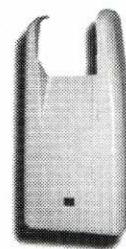
110 Volt Main Board Cord
Illuminated Rocker Switch

1002.8432
1002.8104

Chair Cantilever



Cantilever Top Cover

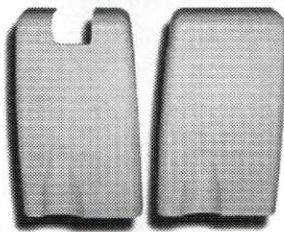


- Replace damaged or worn top cover.

Cantilever Top Cover

1002.8555

Cantilever Bottom Cover

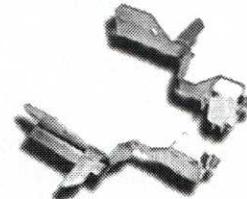


- Cutout is to accommodate assistant's delivery.

Cantilever Bottom Cover
Bottom Cover w/cutout

0800.0238
1000.9849

Cantilever Safety Switches

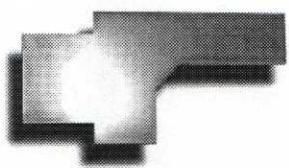


- Purchase only the pieces needed. Brackets sold without switch.

Right Switch Bracket
Left Switch Bracket
Micro Switch

1002.7670
1002.7671
1001.2821

Umbilical Retainer Plate



- Plate prevents the umbilical from interfering with cantilever safety switch operation.

Umbilical Retainer Plate

1003.0607

Cantilever Safety Switch Harness



- Two harnesses are used to connect both cantilever switches to the safety switch terminal block.

Cantilever Safety Switch Harness

1001.0569

Chair Cantilever (continued)

Lift Cylinder Assembly



- Assembly Includes external hydraulic fittings.

Lift Cylinder Assembly

0800.0440

Lift Cylinder Spacer

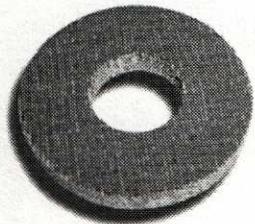


- Spacer fits on lift rod to achieve desired lift height.

Lift Cylinder Spacer

0800.0075

Sorbtex Washer



- Flexible washer rests on top of the cylinder spacer and contacts the cantilever.

Sorbtex Washer

0800.0445

Lift Cylinder Hose



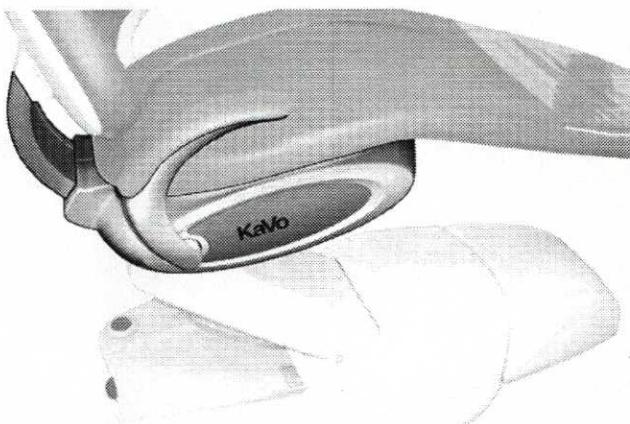
- Hydraulic hose feeds lift cylinder. Clear hose drains lift cyl. back to reservoir.

Clear 3/8" Return Hose

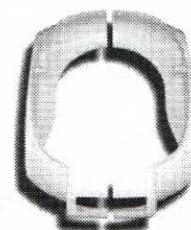
0800.0835

12" Hydraulic Hose

0800.0478



Side Covers



Right Side Cover
Left Side Cover

- Right and left correspond with the orientation of the patient.

0800.0194
0800.0195

Side Panel



- Side panel will fit right or left side cover. Apply decal after mounting.

Side Panel
KaVo Decal

0800.0118
1000.9775

Armrests



Right Armrest
Left Armrest

- Armrests supplied without cushions or hardware. For replacement cushions call customer service.

1001.1187
1001.1186

Armrest Upholstery Fasteners



- Each armrest cushion is secured by one upholstery fastener and one flat head screw.

Armrest Upholstery Fastener
10-32 x 3/4 F/H SS screw

0800.0303
0800.0077

Armrest Pivot Hardware



Rubber Washer
Spring
Thrust Washer
Circlip

- Components shown in order of assembly.

0800.0248
0800.0518
0800.0665
1000.9736

Seat Frame Plugs



- Two are used to lock the seat cushion frame to the seat frame casting. For replacement seat cushions call customer service.

Seat Frame Plugs

0800.0182

Seat Frame Bumper



Seat Frame Bumper

0800.0181

Seat Frame (continued)

Tilt Cylinder Assembly



- Assembly comes with external fittings and both front and rear shaft assemblies.

Tilt Cylinder Assembly

1003.5486

Tilt Cylinder Hydraulic Hoses



- Carefully note the routing of the original hoses before replacing.

43" Hydraulic Hose

0800.0480

53" Hydraulic Hose

1001.9718

Tilt Cylinder Front Shaft Assembly



- Shaft is supplied with o-rings and circlips.

Tilt Cylinder Front Shaft

1003.5484

Tilt Cylinder Rear Shaft Assembly



- Rear shaft attaches to the curved piece. Shoulder bolts are purchased separately.

Tilt Cylinder Rear Shaft Ass.

1003.5485

Shoulder Bolt to Curved Piece

0800.0716

Aluminum Curved Piece

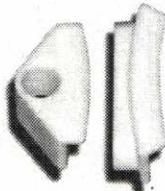


- The curved piece attaches to the backrest and the tilt cylinder. The glide blocks then guide the curved piece through its full range of motion.

Aluminum Curved Piece

1002.4475

Curved Piece Glide Blocks



- The kit includes everything needed to replace the glide block assembly, including instructions

Guide Block Clamp Kit

1002.9676

Upper Glide Block

1002.8134

Lower Glide Block

1002.8135

Upper Glide Block Shaft



- The glide block retention shaft is wrapped with a rubberized shim on each end.

Glide Block Shaft

1002.7700

Glide Block Shaft Shim

1002.7956

Glide Block Hardware



- Bolt and nut secure glide block shaft. Set screws press laterally on the upper blocks.

Glide Block Shaft Bolt

1002.7646

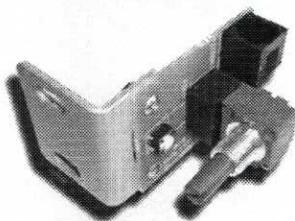
Check Nut

0800.0136

1/4-20 x 3/4" Set Screw

1002.8624

Backrest Position Sensor

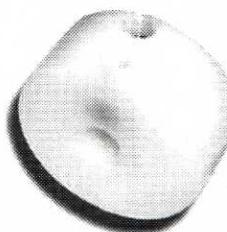


- Circuit board and mounting bracket sold separately.

Sensor Circuit Board
Mounting Bracket

0800.0696
1001.2815

Potentiometer Coupler



- Connects the backrest mechanism to the backrest position potentiometer.

Potentiometer Coupler

0800.0706

Backrest Position Data Cable

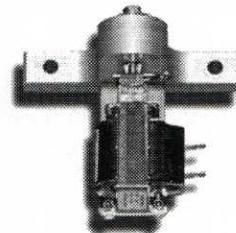


- Connects the backrest position sensor to the main board.

Backrest Position Data Cable

0800.0942

Seat Rotation Stop Assembly

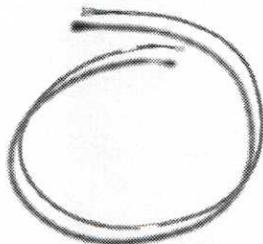


- Includes solenoid, plunger assembly and mounting bracket.

Rotation Stop Assembly

0800.0320

Seat Rotation Solenoid Harness

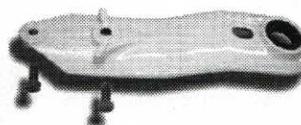


- Connects the seat rotation stop to the main board.

Rotation Solenoid Harness

0800.0946

Front Chair Adapter

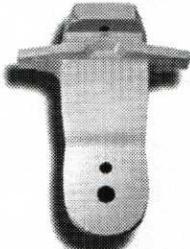


- For mounting Dr.'s delivery and KaVoLUX dental light. Includes bolts for mounting to seat frame.

Chair Adapter Assembly

1002.7111

Rear Chair Adapter



- For mounting assistant's instrumentation and cuspidor. Bolts to the back of the seat frame.
Hardware sold separately.

Rear Chair Adapter

0800.0076

Rear Adapter Hardware



- Socket head cap screw and cone washer mount the adapter to the seat frame.

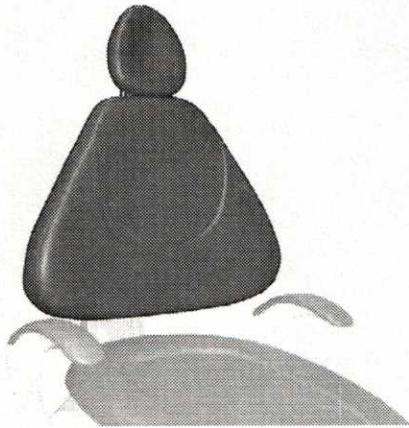
3/8-16 x 1-1/2 SS Cap Screw

0800.0591

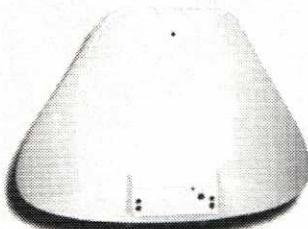
Cone Washer

0800.0680

Backrest



Backrest Casting



Backrest Casting

- Machined and powdered coated. No additional parts included. Call to order replacement cushions.

0800.0235

Backrest Mounting Gasket



- Assembled between the backrest and the curved piece.

Backrest Gasket

0800.0772

Backrest Mounting hardware



3/8 x 5/8 Shoulder Bolt
Pivot Washer

- These fasteners allow the backrest to hinge enough to activate the backrest safety switch.

1001.0728
0800.0773

Backrest Safety Switch

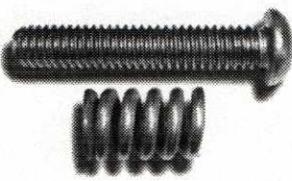


- Safety switch mounts in the backrest casting.

Backrest Safety Switch

1001.1635

Backrest Mounting hardware



5/16-18 x 1-3/4" Screw
Backrest Return Spring

- Provides a positive spring return to reset the backrest safety switch.

0800.0775
0800.0774

Backrest Safety Switch Harness



- Extends the safety switch signal to the terminal block, next to the main board in the chair base.

Safety Switch Harness

1000.9772

Backrest Upholstery Fasteners



Backrest Upholstery Fastener

- Four fasteners mounted to the backrest casting secure the backrest cushion.

0800.0302

Headrest Assembly



- Complete assembly including headrest upholstery fasteners.

Headrest Assembly

0800.0277

Headrest Locking Knob

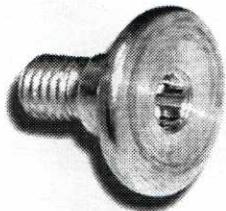


- Damaged or discolored knobs can be replaced separately.

Headrest Locking Knob

0800.0279

Headrest Upholstery Fasteners



- Three fasteners are used to secure the headrest cushion.

Headrest Upholstery Fastener

0800.0303

Headrest Upholstery

- Call 1-800-323-8029 to order replacement upholstery.

Tools and Supplies

Lens Cleaning Tissue



- Premoistened, lens-grade tissues.
- Individually packaged.

Lens Cleaning Tissue

1001.2356

White Touch-up Paint



- Dental-white touch-up paint for cosmetic repair of scratched paint.

White Touch-up Paint

1001.8733

Lubriplate Lithium Grease



- White lithium grease in a convenient 10.6 gram tube.

Lubriplate Lithium Grease

1001.9729

Removable Threadlocker



- Loctite 243, removable threadlocker in a convenient .5 ml. tube.

Removable Threadlocker

1001.9728

Umbilical Pulling Cable



- Use this cable fish for stringing auxiliary wires and tubing.

Umbilical Pulling Cable

0906.6576

Cantilever Support



- Used to hold the seat up when working on the hydraulic lift cylinder.

Cantilever Support

1002.7932

Manual Shut-off Valve

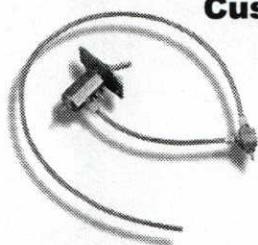


- For terminating incoming air and water utilities. Fittings: 5/8" comp. x 3/8" comp.

Shut-off Valve

0800.0847

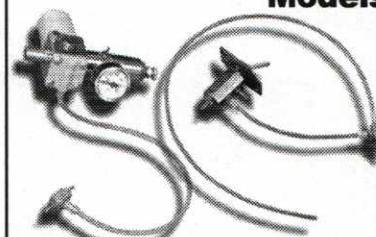
City Water Kit for Models with Cuspidor



- Includes selector switch to mount under the control head and full installation instructions.

1002.9043 City Water Kit, for cusp. \$59.00

City Water Kit for non-Cuspidor Models



- Includes master-valve/regulator assembly and full installation instructions.

1002.7944 City Water Kit, no cusp. \$199.24

