INTRODUCTION TO SERVICING THE A-dec Handpiece Control Blocks

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Presented by
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Product Engineer
Replacement Parts Industries, Inc.
This presentation will provide an overview of the operation of the A-dec Handpiece Control Blocks for models:

- **Century II**
- **Century Plus**
- **300 & 500 Series**

It will provide attendees with knowledge of how these blocks function and interact with the other components of the A-dec Dental Delivery System.

The presenter will also provide an introduction to the servicing of these Control Blocks, including:

- Exploded Views
- Troubleshooting Information
- Service Tips & Planned Maintenance
- Information about key parts and assemblies of the system

Photo source of the A-dec 500 Continental Delivery System is from us.adec.com
The History of the Handpiece Control Block

Century II
1979 – 1993 (OEM Part #38.0223.00)

Century Plus
1992 – 2006 (OEM Part #38.0540.00)

300 & 500 Series
2006 – Present
(300 Series OEM Part #38-1831-00)
(500 Series OEM Part #38.1776.00)
Century II Handpiece Control Block
Exploded View & Parts to Fit

Exploded View & Parts to Fit
Century II Handpiece Control Block
The Control Block ... Controls the routing of air and water to the handpiece Mounts to a Master Block May use a manual selector valve or automatic handpiece hangers to complete the control system Each Control Block gets air and water from the Master Block that is regulated and filtered from the J-Box

For your reference, shown here are wet and dry handpiece tubing hook-ups.

Service Tip: After installing and before calibrating, verify proper hook-up of handpiece tubing. See “Handpiece Tubing Connection - End View” to the right.
## Troubleshooting Century II Handpiece Control Block

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to check</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handpiece drips water in holder</td>
<td>Valve Stem (New Style) O-rings</td>
<td>Lube O-rings, and if this does not solve the problem then replace Valve Stem (RPI Part #ADS123)</td>
</tr>
<tr>
<td>Water leaks from water cover on top of block</td>
<td>Diaphragm</td>
<td>Replace Diaphragm (RPI Part #ADD022)</td>
</tr>
<tr>
<td></td>
<td>Water Cover Valve</td>
<td>If Water Cover Valve is worn, replace it using Kit (RPI Part #ADK144)</td>
</tr>
<tr>
<td>Water stops when handpiece is in use</td>
<td>Valve Stem (New Style) O-rings</td>
<td>Lube O-rings, and if this does not solve the problem then replace Valve Stem (RPI Part #ADS123)</td>
</tr>
<tr>
<td></td>
<td>Diaphragm</td>
<td>Replace Diaphragm (RPI Part #ADD022)</td>
</tr>
</tbody>
</table>
## Troubleshooting Century II Handpiece Control Block (continued)

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to check</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air leaks from drive air adjusting screw or unable to maintain proper drive air pressure</td>
<td>O-ring on Adjusting Screw</td>
<td>Lube O-ring, and if this does not solve the problem then replace Adjusting Screw (RPI Part #ADS055)</td>
</tr>
<tr>
<td>Air leaks from the air cover valve</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Air Cover Valve</td>
<td>If air cover valve is loose, tighten button head screws, and if that does not solve the problem then replace the Air Cover Valve if worn (RPI Part #ADK143)</td>
</tr>
<tr>
<td></td>
<td>Diaphragm</td>
<td>Replace Diaphragm (RPI Part #ADD024)</td>
</tr>
<tr>
<td>Handpiece will not run or the drive or chip air are very weak</td>
<td>Drive Air Adjusting Screw</td>
<td>Adjust the Drive Air Adjusting Screw, replace Diaphragm (RPI Part #ADD024), replace Air Cover Valve if worn – see kit (RPI Part #ADK143)</td>
</tr>
<tr>
<td></td>
<td>Diaphragm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Air Cover Valve</td>
<td></td>
</tr>
<tr>
<td>Problem</td>
<td>What to check</td>
<td>Solutions</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Unable to adjust the water coolant to a fine mist</td>
<td>Needle Valve Stem and Valve Stem</td>
<td>Lube O-rings, and if this does not solve the problem then replace Needle Valve Stem (RPI Part #ADS007) or Valve Stem (RPI Part #ADS123)</td>
</tr>
<tr>
<td>Water leaks from Needle Valve Stem or unable to adjust water flow</td>
<td>O-rings on the Needle Valve Stem</td>
<td>Lube O-rings, and if this does not solve the problem then replace Needle Valve Stem (RPI Part #ADS007)</td>
</tr>
<tr>
<td></td>
<td>Valve Stem (New Style) O-rings</td>
<td>Lube O-rings, and if this does not solve the problem then replace Valve Stem (RPI Part #ADS123)</td>
</tr>
<tr>
<td>Air and water are leaking from the sides of the handpiece block and the handpieces may not be running well</td>
<td>Loose Tie Bolts</td>
<td>Tighten the Tie Bolts</td>
</tr>
<tr>
<td></td>
<td>Gasket</td>
<td>Replace the Gaskets if needed (RPI Part #ADG031)</td>
</tr>
</tbody>
</table>
Exploded View & Parts to Fit Century II Handpiece Control Block

Service Tip: Align Cover Water Valve so that the thumb head screw aligns with the non-threaded hole in the block. Install until tight then “back off” 1/4” of a turn.

Service Tip: Apply a thin film of High Temperature Lubricant (RPI Part #RPL1090). Then move the stem up and down several times. The stem should move up and down freely and spring back without getting stuck.

Service Tip: Place Diaphragm over the needle valve stem and the adjusting screw. Install Air Valve Cover and tighten.

Service Tip: Install set screw into the hole marked “W” until flush with body. (Note: this set screw comes already installed in the AOK142 kit.)

Service Tip: Before installing the Drive Air Adjusting Screw and the Water Flow Needle Valve Stem, be sure to lubricate the O-rings (RPI Part #RPG312) with High Temp Lubricant (RPI Part #RPL090).

Service Tip: For a sure grip and soft touch, replace the knob with the RPI Knob Set (grey or black).
Century II Control Block
Removal of a Broken Stem

Removal of a Broken Stem is as Easy as 1-2-3 with RPI’s Control Block

1. Remove set screw (RPI Part #RPH435) from the hole marked “W” using the Valve Core Tool (RPI Part #RPT264).

2. Remove the water cover valve.

3. Gently insert the 5/64” Hex Ball Driver (RPI Part #RPT297) through the hole marked “W” and push the broken or frozen stem out of the block.
CENTURY II HANDBLOCK CONTROL BLOCK CALIBRATION GUIDE

After each installation or servicing of the Handpiece Control Block, calibrate the Drive Air Adjusting Screw (RPI Part #ADS055) using the Valve Core Tool (RPI Part #RPT264). Adjust the Drive Air by turning clockwise to decrease and counter-clockwise to increase. Then, using a calibration gauge to adjust the Drive Air to conform to what headpiece is being used.

CALIBRATION GUIDE

- HIGH SPEED use 32 - 38 PSI
- SLOW SPEED use 45 PSI

For specific air pressure calibration, see manufacturer specifications.
Century II Control Block
Handpiece Control Block Kits

Handpiece Control Block  (RPI Part #ADK142)

Control Block Service Kit  (RPI Part #ADK094)

Water Cover Valve Kit  (RPI Part #ADK144)

Air Cover Valve Kit  (RPI Part #ADK143)

Master Control Block Kit  (RPI Part #ADK150)
For your reference, shown here are Handpiece tubing hook-ups.
# Troubleshooting Century Plus Handpiece Control Block

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to check</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| Handpiece drips water in holder or drips a lot then stops after use | Water Valve Cartridge, Check Valve Cartridge, Air Bleed Valve Cartridge | Replace one Cartridge at a time, and check if problem is solved before replacing the next Cartridge in the following order:  
  - Water Valve Cartridge (RPI Part #ADV163)  
  - Check Valve Cartridge (RPI Part #ADV161)  
  - Air Bleed Valve Cartridge (RPI Part #ADV162) |
<p>| Water leaks from Control Black Cap or the vent hole on top of the Block | Diaphragm, Water Valve Cartridge | Replace Diaphragm (RPI Part #ADD160), Replace Water Valve Cartridge (RPI Part #ADV163) |
| Water stops when handpiece is in use         | Diaphragm, Water Valve Cartridge, Check Valve Cartridge | Replace Diaphragm (RPI Part #ADD160), Replace Water Valve Cartridge (RPI Part #ADV163), Replace Check Valve Cartridge (RPI Part #ADV161) |
| Water leaks from Water Flow Adjustment Stem | O-ring on Water Flow Adjustment Stem | Lube O-ring, and if this does not solve the problem then replace Water Flow Adjustment Stem (RPI Part #ADS233) |</p>
<table>
<thead>
<tr>
<th>Problem</th>
<th>What to check</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air leaks from drive air adjusting screw or unable to maintain proper drive air pressure</td>
<td>O-ring on Drive Air Adjustment Stem</td>
<td>Lube O-ring, and if this does not solve the problem then replace Drive Air Adjustment Stem (RPI Part #ADS168)</td>
</tr>
<tr>
<td>Air leaks from the Control Block Cap on top of the Block</td>
<td>Loose Control Block Cap</td>
<td>Tighten Socket Head Cap Screws</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replace Control Block Cap Assembly (RPI Part #ADA166)</td>
</tr>
<tr>
<td></td>
<td>Diaphragm</td>
<td>Replace Diaphragm (RPI Part #ADD160)</td>
</tr>
<tr>
<td>Handpiece will not run or the drive air is very weak</td>
<td>O-ring on Drive Air Adjustment, Foot Control</td>
<td>Lube O-ring, and if this does not solve the problem then replace Drive Air Adjustment Stem (RPI Part #ADS168)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check and repair Foot Control as needed</td>
</tr>
<tr>
<td>Problem</td>
<td>What to check</td>
<td>Solutions</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Unable to adjust the Water Coolant to a fine mist</td>
<td>Water Flow Adjustment and Handpiece Control Block</td>
<td>Lube O-ring, and if this does not solve the problem then replace Water Flow Adjustment Stem (RPI Part #ADS233), and Handpiece Control Block (RPI Part #ADK170)</td>
</tr>
<tr>
<td>Two handpieces run at the same time – one in the hanger, and the other out of the hanger</td>
<td>Loose Control Block Cap, Cap Barb on Control Block Cap, or Tubing from the Hanger Valve to the Cap</td>
<td>Tighten the five Socket Head Cap Screws; tighten Cap Barb and cut back Hanger Tubing and re-attach Cap Barb. Replace Diaphragm (RPI Part #ADD160) Replace Control Block Cap Assembly (RPI Part #ADA166)</td>
</tr>
<tr>
<td>Air and water is leaking from the sides of the handpiece block, and the hand-pieces may not be running well</td>
<td>Loose Tie Bolts Red or Clear Gasket</td>
<td>Tighten Tie Bolts. If that does not solve the problem then replace Red Gasket (RPI Part #ADG158) and/or Clear Gasket (RPI Part #ADG159)</td>
</tr>
</tbody>
</table>
Century Plus Control Block
Exploded View & Service Tips

**SERVICE TIPS**
- **Turn OFF** the master ON/OFF Switch and operate the syringe to release air and water trapped in system.
- **Always apply** a light coat of lubricant (RPI Part #RPL090) to the O-Rings on stems and Cartridges prior to replacement.
- **Clear Gasket** (RPI Part #ADG159) to be used in all positions except end position when using optional Scaler Block.
- **When re-assembling 3 or 4 block assemblies**, install Tie Bolt Kit and take care to tighten enough to effect sealing of Clear Gaskets (and/or Red Gasket). **DO NOT OVER TIGHTEN!**

**TESTING AFTER RE-ASSEMBLY**
- **Turn ON** the master ON/OFF Switch. Remove Handpiece from Holder (or Lift Handpiece Whip Assembly from its resting position). Then activate Handpiece by stepping on the Foot Control. Check for air and/or water leaks all around block assembly, between block and cap, and around stems and cartridgues. If leaks are detected, ensure all parts are properly tightened and re-check. If leakage is still present, the Control Block may be damaged and need to be replaced.
Note where the cartridges are and for what they are used.
CENTURY PLUS HANDBLOCK CONTROL BLOCK CALIBRATION GUIDE

WATER FLOW ADJUSTMENT
Adjust the water flow as desired by turning the Stem (Water Flow Adj.) (RPI Part #ADS233) using the Stem Adjustment Tool (RPI Part #ADT242) clockwise to decrease and counter-clockwise to increase flow.

- Water Flow - Stem (Water Flow Adj.)
  RPI Part #ADS233 (1/8" Hex)

DRIVE AIR FLOW ADJUSTMENT
After each installation or servicing of the Handpiece Control Block, calibrate the Drive Air by adjusting the Stem (Drive Air Adj.) (RPI Part #ADS168). Adjust Drive Air by turning Stem clockwise to decrease and counter-clockwise to increase flow. Use a calibration gauge to monitor adjustment to conform to handpiece manufacturer’s recommendation. **CALIBRATION GUIDE:** High Speed use 32-38 psi. Slow Speed use ~45 psi. For specific air pressure calibration, see manufacturer’s specifications.
Century Plus Control Block
Handpiece Control Block Kits

Handpiece Control Block  (RPI Part #ADK170)

Control Block Service Kit  (RPI Part #ADK164)

Control Block Kit (Major)  (RPI Part #ADK190)
300 & 500 Series Handpiece Control Block
Exploded View & Parts to Fit
300 & 500 Series Handpiece Control Block
Exploded View and Parts to Fit (back side)

Exploded View (back side) & Parts to Fit
300 & 500 Series
Handpiece Control Block

Barb Retainer
RPI Part #ADR239

Barb
RPI Part #AD8012
Quick Disconnect Barb
RPI Part #AD8249
Quick Disconnect Barb
RPI Part #AD8250
Quick Disconnect Barb
RPI Part #AD8251

Quick Disconnect Plug
RPI Part #ADP232

Hex Plug
RPI Part #ADP057

Barb (Restrictor)
RPI Part #AD8231

Stem Adjustment Tool
RPI Part #ADT242
For your reference, shown here are the Wet handpiece tubing hook-ups.
## Troubleshooting 300 & 500 Series Handpiece Control Block

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to check</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air leaks from Air Coolant Stem or unable to adjust the Water Coolant Stem to a fine mist</td>
<td>Check O-ring on Air Coolant Stem</td>
<td>Replace the O-ring or the Air Coolant Stem (RPI Part #RPO484)</td>
</tr>
<tr>
<td></td>
<td>Check Air Coolant Stem</td>
<td>Replace the Air Coolant Stem (RPI Part #ADS234)</td>
</tr>
<tr>
<td>Air leaks from the Air Drive Stem or unable to dial in or maintain the proper air drive pressure</td>
<td>Check the O-ring on the Air Drive Stem</td>
<td>Replace the O-ring on the Air Drive Stem (RPI Part #RPO752)</td>
</tr>
<tr>
<td></td>
<td>Check the Air Drive Stem</td>
<td>Replace the Air Drive Stem (RPI Part #ADS235)</td>
</tr>
<tr>
<td>Problem</td>
<td>What to check</td>
<td>Solutions</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Handpiece leaking water in holder</td>
<td>Handpiece Holder Valve</td>
<td>If leaking repair or replace Handpiece Holder Valve</td>
</tr>
<tr>
<td></td>
<td>Handpiece Coupler</td>
<td>Check or replace Coupler O-rings</td>
</tr>
<tr>
<td></td>
<td>Water Coolant Cartridge</td>
<td>Check external O-rings, if OK replace Cartridge (RPI Part #ADC236)</td>
</tr>
<tr>
<td>Water leaks from Water Flow Stem or unable</td>
<td>Check O-ring on the Water Flow Stem</td>
<td>Replace O-ring (RPI Part #RPO484) or Water Flow Stem (RPI Part #ADS233)</td>
</tr>
<tr>
<td>to adjust the Water Flow Stem to one drop of</td>
<td>Check the Water Flow Stem</td>
<td>Replace Water Flow Stem (RPI Part #ADS233)</td>
</tr>
<tr>
<td>water every 2 seconds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water leaks from vent holes on top of block</td>
<td>Water Coolant Cartridge</td>
<td>Check external O-rings, if OK replace Cartridge (RPI Part #ADC236)</td>
</tr>
</tbody>
</table>
### Troubleshooting 300 & 500 Series Handpiece Control Block (continued)

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to check</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water stops when handpiece is in use</td>
<td>Control Block Diaphragm</td>
<td>Split Block; check, clean or replace Diaphragm (RPI Part #ADD238)</td>
</tr>
<tr>
<td>Intermittent water coolant to handpieces or sputter water from either syringe or handpieces</td>
<td>Check the O-rings in the handpiece Coupler</td>
<td>Check or replace Coupler O-rings</td>
</tr>
<tr>
<td></td>
<td>Check O-ring on Air Coolant Stem</td>
<td>Replace the O-ring (RPI Part # RPO484) or the Air Coolant Stem (RPI Part #ADS234)</td>
</tr>
<tr>
<td></td>
<td>Check the Air Coolant Stem</td>
<td>Replace Air Coolant Stem (RPI Part #ADS234)</td>
</tr>
<tr>
<td></td>
<td>Check the O-ring on the Water Bottle Pickup Tube</td>
<td>Check or replace the O-ring on the Water Bottle Barb</td>
</tr>
<tr>
<td></td>
<td>Length of Water Bottle Pickup Tube</td>
<td>If too long, shorten the Tube</td>
</tr>
<tr>
<td></td>
<td>Pickup Tube</td>
<td>If damaged or bent, replace the Tube</td>
</tr>
</tbody>
</table>
300 & 500 Series Handpiece Control Block
Service Tip: Water Coolant Adjustment

1) Close all control valves: Drive Air, Air Coolant, and Water Coolant.

2) Remove the handpiece from the handpiece holder.

3) While pressing down on the Foot Control, use the corresponding stem (Water Control).

4) Turn the Stem (Water Control) to open the flow control till you have one drop of water every 2 seconds.
Air Coolant Adjustment

1) Close all control valves: Drive Air, Air Coolant, and Water Coolant.

2) Remove the handpiece from the handpiece holder.

3) While pressing down on the Foot Control, use the Air Coolant Control.

4) Turn the Air Coolant Control Stem to open the flow until you have a fine mist.
Drive Air Adjustment

1) Install a PSI Test gauge between the hose and the handpiece to be adjusted.

2) Remove the handpiece from the handpiece holder

3) While pressing down on the Foot Control, use the Drive Air Stem with the selected handpiece position.

4) Turn the Drive Air Stem to adjust the Drive Air adjustment until you have the proper PSI rating for the handpiece.
300 & 500 Series Handpiece Control Block
Service Tip: Checking the Drive Air Adjustment

Checking the Drive Air Adjustment when using the Digital readout on the Control PC Board.

1) Remove the handpiece from the handpiece holder.

3) While pressing down on the Foot Control, note the LED readout on the Control PC Board.

4) The LED reading will be higher than actual PSI reading, due to the difference in the handpiece and tubing lengths and material.

5) The LED reading can be used to confirm the handpiece or Control Block operation.

The location of the LED reading can be found on the board. It is circled in red in the photo above.
Control Block Kit (Major) (RPI Part #ADK241)

Control Block Kit (Minor) (RPI Part #ADK257)
<table>
<thead>
<tr>
<th>TUBING FUNCTION</th>
<th>DESCRIPTION</th>
<th>OD SIZE AND COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip Blower/Accessory Button</td>
<td>Chip blower air</td>
<td>1/8&quot; OD; Brown/White long dash</td>
</tr>
<tr>
<td>Air Coolant Signal</td>
<td>Air coolant signal air from foot control; Signal air for cuspidor cupfill and vacuum actuator</td>
<td>1/8&quot; OD; Green/White long dash</td>
</tr>
<tr>
<td>Water Coolant Signal</td>
<td>Signal air/water coolant from foot control; Signal air for cuspidor bowl rinse</td>
<td>1/8&quot; OD; Green/White Short dash</td>
</tr>
<tr>
<td>Unregulated Air</td>
<td>Unregulated air to flex arm brake</td>
<td>1/8&quot; OD; Black</td>
</tr>
<tr>
<td>Water Coolant Signal Air</td>
<td>Signal air from foot control valve to we/dry toggle and in control head</td>
<td>1/8&quot; OD; Clear</td>
</tr>
<tr>
<td>Water Supply</td>
<td>Cold Water Regulated; Oral cavity water</td>
<td>1/8&quot; OD; Blue</td>
</tr>
<tr>
<td>Oral Cavity Water</td>
<td>Syringe water with/without water heater</td>
<td>1/8&quot; OD; Red</td>
</tr>
<tr>
<td>Unregulated Air, Master Air</td>
<td>Continuous, filtered, unregulated air; 1/8&quot; OD from air filter regulator to master toggle(1)</td>
<td>1/8&quot; OD; Yellow/Red stripe(1)</td>
</tr>
<tr>
<td>Pilot Air</td>
<td>Filtered unregulated air controlled by master toggle</td>
<td>1/8&quot; OD; Yellow/Red dash</td>
</tr>
<tr>
<td>Regulated Air</td>
<td>Continuous, filtered, regulated air(1); Supplies regulated air to the air QD and AVS(2)</td>
<td>1/8&quot; OD; Yellow (1); 1/4&quot; OD; Yellow (2)</td>
</tr>
<tr>
<td>Regulated Air (40 psi)</td>
<td>Regulated Air at 40 psi to pressurize the water bottle</td>
<td>1/8&quot; OD; Yellow/Green dash</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>Miscellaneous line for use with A-dec authorized accessories</td>
<td>1/8&quot; OD; White</td>
</tr>
<tr>
<td>Hydraulic Fluid</td>
<td>Low pressure hydraulic system supply for chair(1); Handpiece drive air(2)</td>
<td>3/8&quot; OD; Clear (1); 1/4&quot; OD; Clear (2)</td>
</tr>
<tr>
<td>Drive Air</td>
<td>Drive air from foot control to delivery system(1); Drive air from control block to touch pad(2)</td>
<td>5/16&quot; OD; Orange/Black dash(1); 1/8&quot; D; Orange/Black dash(2)</td>
</tr>
<tr>
<td>Regulated Air</td>
<td>Supplied regulated air to flush toggle and syringe(1); Regulated Air(2)</td>
<td>5/16&quot; OD; Yellow(1); 3/8&quot; OD; Yellow (2)</td>
</tr>
<tr>
<td>Water Supply</td>
<td>Water bottle and city water</td>
<td>15/16&quot; OD; Blue</td>
</tr>
<tr>
<td>Water Supply</td>
<td>Unregulated water</td>
<td>1/8&quot; OD; Blue/White dash</td>
</tr>
</tbody>
</table>
RPI Handouts With This Presentation
Including Service Tips, Exploded Views, and More

LOOK INSIDE THE RPI FOLDER FROM TODAY’S PRESENTATION – HERE’S WHAT YOU WILL FIND!

RPI EXPLODED VIEWS & MORE

- “Service Call Diagnostic Checklist” (Checklist)
- “Parts to fit Utility Module and Filter Regulators” (Exploded View)
- “New Parts and Upgrades to fit A-dec Utility Module and Regulators” (Key Information about RPI’s “clear” Valve Body and upgrades to the Valve Body Repair Kits)
- “Clear Housing Now Available to fit A-dec Utility Module & Regulators” (Key Information about RPI’s “clear” Filter Housing)
- Service Tips regarding “Clear Filter Housing” and “Preventing Dangerous “Suck Back” in Dental Delivery Units (Article from RPI’s Newsletter dated 04/2007)
- “Parts to fit A-dec Foot Control Assembly” (Exploded View)

RPI NEW PARTS FLYERS

- RPI Yellow Flyer: “4 New Kits and More Parts to fit A-dec Dental Delivery Units:
  Page 1: Models 300 & 500 - Exploded Views of Control Blocks (Major and Minor), and Water Coolant Relay featuring the Kits.
  Pages 2-3: Models 300 & 500 - Control Blocks Kits Major and Minor Kits’ details; plus the Water Coolant Relay Kit details.
  Pages 4-5: All Models – Featuring Foot Control Service Kits to rebuild air and water controls with listing of parts, plus many other parts including Spring Cap, Toggle Level, Micro Valve, Dowell Pin, and more

- RPI Yellow Flyer: “New Parts to fit A-dec Century Plus Handpiece Control Block”:
  Page 1: Model Century Plus – Features Handpiece Control Block, Control Block Service Kit, Control Block Cap Assembly, Dry Block Kit, 3 Block Tie Bolt Kit, and more
  Page 2: Model Century Plus - Control Block Kit (Major) features listing of all parts included in Kit
EASY AS 1-2-3!
How to Use the RPI Website

Easy as 1-2-3! To Search for a Part

- Go to www.rpiparts.com
- Select Dental Equipment
- Select Delivery Systems and Units
- Select A-dec
- Select category for type of part – then select part – for example, “Handpiece Control Block Century II”
- Select Part # you need and click – for example, RPI Part #ADK142 – Handpiece Control Block
- Parts page for RPI Part #ADK142 – Handpiece Control Block that features detailed illustration and all of the information you may need about this part!

Easy to Access Online Tech Assistance

- Go to www.rpiparts.com
- Select Tech Support
- Select Technical Assistance Center
- Select eLibrary for a complete listing of all Service Tips, Exploded Views, Installation Instructions, Troubleshooting Guides, and more!
- Select Create a Parts Listing for a complete listing of all parts that fit a specific model, or all of the models for one OEM.
- Select Tech Help Video for online videos that show how to service specific equipment … including Service Tips!
- Select RPI Catalog for a digital version of the RPI Catalog that you can download.
- Select New Parts Index & Flyers to access any of the RPI New Parts “Yellow” flyers!
- Select RPI Newsletters to access of the RPI newsletters dating back to the very first newsletter!
Your customers are the best source of information when troubleshooting equipment.

Call your customer before you arrived on site and ask the questions presented here — in the RPI Service Call Diagnostic Checklist.

This way you can get a good idea of what the problem is, and be prepared with the right tools and parts needed to service the equipment.

You can access and download a PDF of the RPI Service Call Diagnostic Checklist from the RPI website [www.rpiparts.com](http://www.rpiparts.com) → Homepage → Tech Support → Technical Assistance Center → eLibrary → Select A-dec from the OEM pull down menu → Select any part or model from the Model pull down menu → Select “Service Call Diagnostic Checklist” from under the Resource column.

It’s a great idea to leave a copy of the Checklist with your customers for the future, and ask them complete it before they contact you.

What’s more, from the RPI website you can even personalize the Checklist to include the name of your company, and your telephone number. It’s the perfect “leave-behind” for your customers!
Replacement Parts Industries, Inc. (RPI) has been the leader in replacement parts since 1972.

**Service Technicians have come to rely on RPI for our valuable technical assistance, including:**

- **One-on-One Tech Help**
  - Available via Phone, Fax, and Email
  - Please feel free to email a photo of the trouble so that we can help you find a solution even faster!
    (Monday – Friday, 8:00 am – 4:30 pm, Pacific Time)

- **Mobile Site!**
  - Go to [www.rpiparts.com/mobile.html](http://www.rpiparts.com/mobile.html)

- **RPI Website – Technical Assistance Center with “eLibrary” and more!**
  - “Quick Search” feature to help identify parts needed
  - “Create a Parts Listing” feature to identify all parts available for a specific equipment model
  - Troubleshooting Guides, Exploded Views and Installation Instructions
  - Tech Talk and Service Tip Articles
  - At-a-glance Cross References and Quick Reference Guides

- **RPI Planned Maintenance Kits and Posters**
  - Kits specifically for planned maintenance of a variety of dental and medical equipment
  - Informative posters featuring planned maintenance service tips and technical assistance articles

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