

# 3M Unitek

## SmartClip™ Appliance Wire Disengagement Instrument Instructions



**SMARTCLIP™**  
SELF-LIGATING APPLIANCE SYSTEM

**3M**

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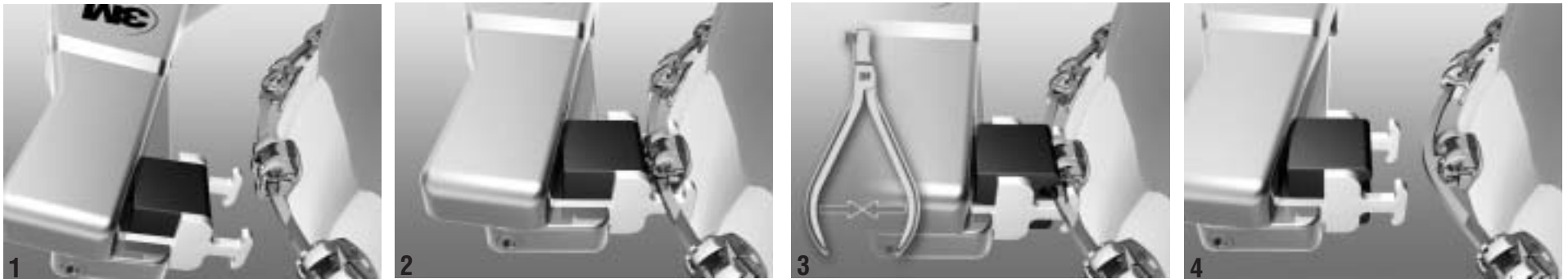
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## SmartClip™ Appliance Wire Disengagement Instrument Instructions

### Instructions For Use



### Disengagement

1. Approach archwire with disengagement instrument from occlusal or gingival side. (Figure 1)
2. Place instrument hooks under archwire keeping the bracket between the instrument hooks. (Figure 2)
3. Squeeze handles. (Figure 3)

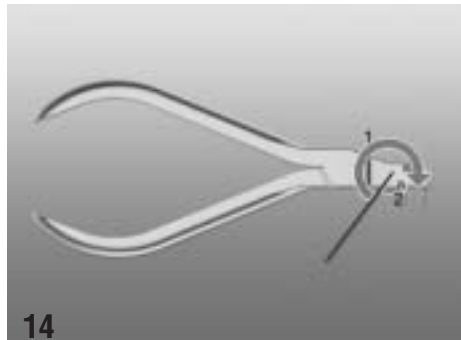
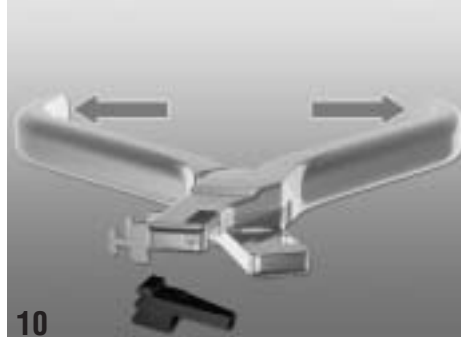
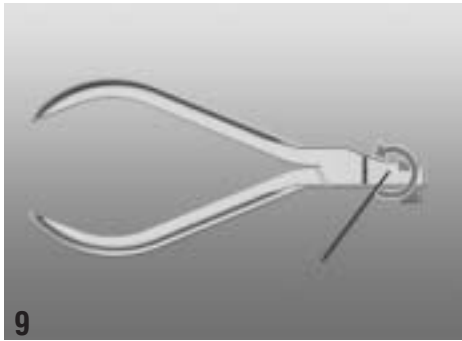
**Note:** Repeat procedure for each bracket.



### Slide Replacement

1. Using a pointed object, approach tab.
2. Push tab. (Figure 5)
3. Remove slide. (Figure 6)
4. Obtain new slide. **Note:** Ensure proper orientation of slide. (Figure 7)
5. Push slide while holding handles in closed position. (Figure 8)

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### Hook Replacement

1. Insert allen wrench\* on first setscrew (Figure 9) and rotate counter-clockwise until handles open easily. (Figures 9 & 10)
2. Insert allen wrench on top setscrew and rotate counter-clockwise until hooks are free. (Figures 11 & 12)
3. Obtain new hooks. **Note:** Ensure proper orientation of hooks. (Figure 12)
4. Tighten top setscrew until first resistance is felt. (Figure 13)
5. Close plier handles. Insert allen wrench and tighten first setscrew clockwise until first resistance is felt and then rotate counter-clockwise  $\frac{1}{4}$  turn. (Figure 14)
6. Obtain new slide. **Note:** Ensure proper orientation of slide. (Figure 15)
7. Push slide while holding handles in closed position. (Figure 16)

\*Included with Hook Insert Replacement Kit (P/N 804-162)

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# SmartClip™ Appliance Wire Disengagement Instrument Instructions

## **WARNINGS:**

Use instruments for indicated use only. Failure to do so may result in the breakage of the instrument and injury to patient or orthodontic professional. Safety glasses recommended for patient and orthodontic staff when using these instruments.

Stainless steel contains nickel and chromium. If an allergic reaction occurs, direct patient to consult a physician.

## **Limitations on reprocessing:**

Repeated processing has minimal effect on these instruments. End of life is normally determined by wear and damage due to use.

## **DECONTAMINATION INSTRUCTIONS**

### **Preparation at point of use:**

Remove excess soil with disposable cloth/paper wipe.

It is recommended that instruments are reprocessed as soon as is reasonably practical following use.

### **Preparation for cleaning:**

Disassembly not required for hinged instruments.

### **Cleaning:**

**Equipment:** Detergent, brush, running water

**Method:**

1. Rinse soil from instrument
2. Using brush, apply detergent solution to all surfaces, ensuring that hinged instruments are cleaned in both open and closed positions.
3. Rinse under clean running water for at least 1 minute.

### **Drying:**

When drying is achieved as part of a washer disinfection cycle, do not exceed 120°C.

### **Maintenance:**

Add a small quantity of surgical grade lubrication oil to hinges.

Use allen wrench included to tighten top setscrew securing hook insert. (Figure 13)

Discard blunt or damaged instruments.

### **Inspection and Function Testing:**

Check for smooth movement of hinge without excessive “play”.

Visually inspect for damage and wear.

### **Packaging:**

**Singly:** A standard packaging material may be used. Ensure that the package is large enough to contain the instrument without stressing the seal.

**In sets:** Instruments may be loaded into dedicated instrument trays. Ensure that cutting edges are protected. Trays may be wrapped.

### **Sterilization:**

Vacuum autoclave, minimum of 20 minutes at 121°C (250°F). Do not exceed 138°C (280°F).

### **Storage:**

No particular requirements.

## **Additional information:**

Do not exceed recommended maximum load of sterilizer; consult manufacturer to determine maximum load.

## **Manufacturer contact:**

Consult sterilizer manufacturer for questions or additional information.

These instructions provided have been validated by the medical device manufacturer as being CAPABLE of preparing a medical device for re-use. It remains the responsibility of the processor to ensure that the processing is actually performed using the equipment, materials, and personnel in the processing facility to achieve the desired result. This requires validation and routine monitoring of the process. Likewise, any deviation from the instructions provided should be properly evaluated for effectiveness and potential adverse consequences.

## **Warranty Information**

3M Unitek warrants that this instrument will be free from defects in materials, or workmanship for a period of 1 year from the date of purchase. Failure to follow recommended use, maintenance and sterilization procedures will void all warranty claims.

Recommended maintenance includes cutter tip/blade re-sharpening (if applicable) and reconditioning (cleaning, polishing, adjusting screw as necessary) every six months. 3M Unitek's sole obligation and customer's sole remedy in the event of a claimed defect shall be limited to, at 3M Unitek's option, repair, replacement of merchandise, or refund of the purchase price. ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE ARE DISCLAIMED.

## **Limitation of Liability**

Except where prohibited by law, 3M Unitek will not be liable for any loss or damages arising from this Product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability. This limitation does not apply to third party personal injury claims.

All instruments should be sent to the 3M Unitek Authorized Service Center at the address below for evaluation to determine credit, replacement, or repair. The Authorized Service Center will determine, upon receipt of instrument, if the instrument is to be covered by warranty. Materials, workmanship, and corrosion resistance are the only items covered by this warranty. Misuse or abuse will void warranty. Customer will be contacted regarding repair charges for out of warranty instruments.

## **3M Unitek – Authorized Service Center**

Precision Plier Service  
14175 Telephone Avenue, Suite D  
Chino Hills, CA 91710-5762  
Phone Number: 1-800-229-9060 USA, Canada. 1-909-590-2085.

## **References**

ISO 17664:2004(E), Sterilization of medical devices—Information to be provided by the manufacturer for the processing of resterilizable medical devices.