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The Technique for incorporating the Acrylic Retention Cap in to the removable partial denture

Benefits:

- The acrylic retention cap may be easily removed (use heat) from the prosthesis and replaced or repositioned if necessary.
- Clinical/Intra-oral: the acrylic retention cap is easily connected to a cast frame in the mouth
- Clinical/Intra-oral: the acrylic retention cap may be easily picked up in the mouth

M3: 694AKS

M2: RE0075



M3: 694AKS2

M2: RE0095



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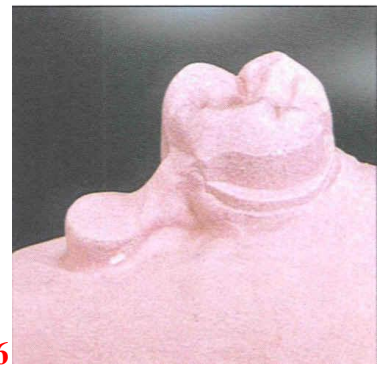
Glaze porcelain and polish all metal (**FIG 1**). The techniques for acrylic resin retention are the same for both the M2 and M3 extracoronal attachments (**FIG 2**). Block out undercuts and fill the inside of the females (**FIG 3**).



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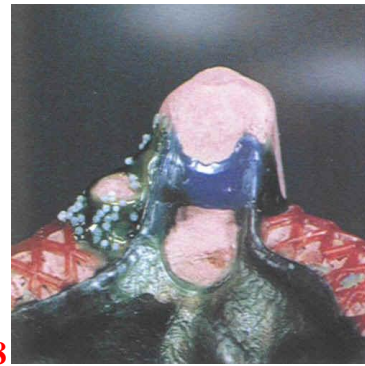


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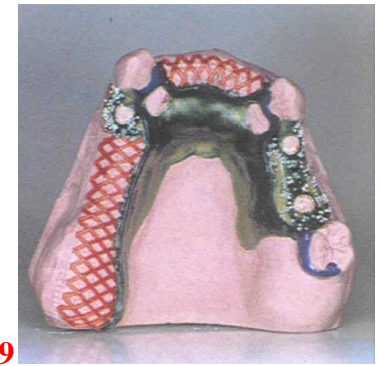
Cover the inclined arm and recess (or receptacle) of the female with 0.5mm of wax (**FIG 4**). Stop the relief wax short of the attachment to provide a beading strip for the acrylic resin of the removable prosthesis. Duplicate the master cast and prepare the refractory cast to produce the cast metal framework. No relief wax is necessary between the cuspid and the molar tissue (**FIG 5**). The female contours must be clearly reproduced (**FIG 6**).



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The milled parts must also be clearly reproduced (**FIG 7**). Design and wax the cast frame to allow for open embrasures (**FIG 8**). Do not cover the occlusal surface of the females with wax (**FIG 9**).



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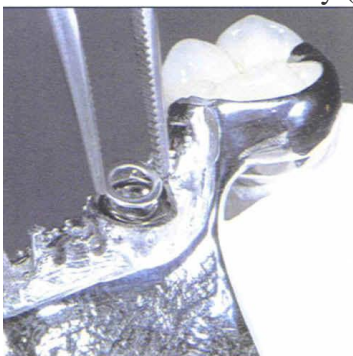


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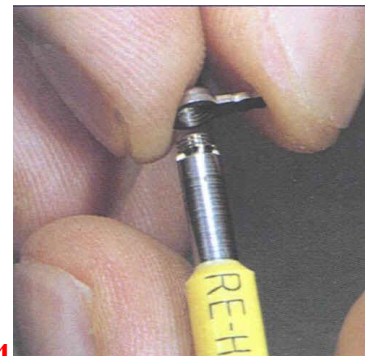


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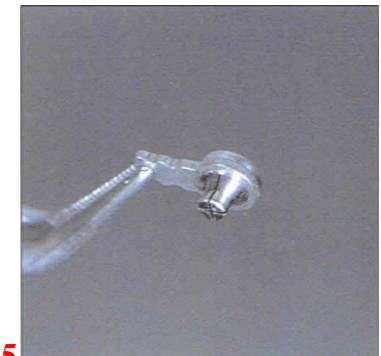
Place a minimum thickness of 0.6mm of wax around the females (**FIG 10**). Complete and finish casting the metal frame. Be sure the access hole is wide enough to allow access to the female (**FIG 11**). The cast frame must fit the abutment accurately (**FIG 12**).



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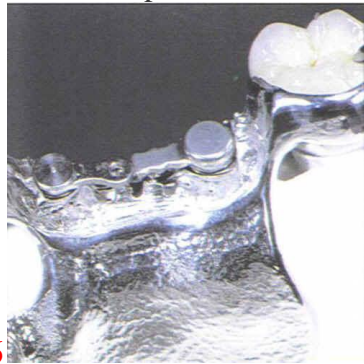
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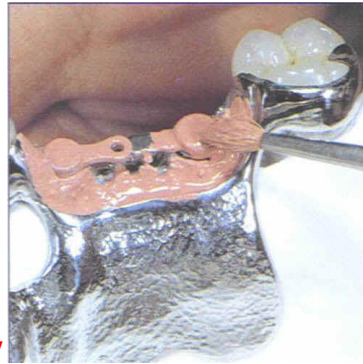
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Place the metal space maintainer on the female (**FIG 13**). Thread the male spring pin into the acrylic retention piece (**FIG 14**). The wing of the acrylic retention piece may be slightly bent or cut. Do not try to solder the

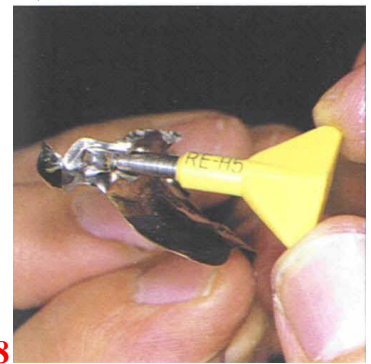
acrylic retention piece to the cast metal frame because of its titanium alloy (**FIG 15**).



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Seat the male, which is threaded into the acrylic retention cap, into the female (**FIG 16**). Connect the acrylic retention cap to the cast frame with self curing acrylic resin (**FIG 17**). *If using an opaque that processes at 400F, this process must be completed prior to seating the spring pin with Ceka Bond.* After final polishing, place a drop of Ceka Bond on the spring pin and thread in to the acrylic retention cap (**FIG 18**). Ceka Bond will eliminate potential gradual unthreading of the male spring pin.