QUICK START GUIDE
CLASS II & CLASS III APPLIANCES
The **SAGITTAL FIRST™ Philosophy** is a time-tested approach that standardizes, simplifies, and shortens Class II and Class III treatment times. It employs the Carriere Motion 3D Appliance to treat the AP dimension at the beginning of treatment before placing brackets or aligners.

By resolving the most difficult part of treatment first, you can achieve a Class I platform in 3 to 6 months, shortening total treatment time by a minimum of 6 months.¹ You know how excited patients and parents become when you mention shorter treatment times!

"The Motion 3D has changed the way that we practice orthodontics. By implementing SAGITTAL FIRST protocols with the Motion 3D Appliance, bite correction is addressed more elegantly and with improved treatment efficiencies. We are seeing fewer complications and treatment times decreased by as much as 50%."

– Dr. Jep Paschal

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CLASS II APPLIANCES

AN ELEGANT AND MINIMALLY INVASIVE SOLUTION FOR:

- Treating Class II dental relationship to a Class I platform in patients of all ages
- Correcting Class II malocclusions faster than any other appliance on the market today*  
- Treating bilateral, unilateral, and mixed dentition cases 
- Reducing overall treatment time 
- Enhancing office efficiency and productivity 

*Treatment effects of the Carriere Distalizer (Motion 3D) using lingual arch and full fixed appliances — Journal of the World Federation of Orthodontists, May 2014
**Motion 3D Class II Appliances**

**Key Features**

- **Articulating ball and socket**
  - for controlled molar rotation and uprighting

- **Smooth, low-profile, rounded arm**
  - for patient comfort

- **Sleek hook on pad**
  - for attachment of Carriere Force 1 & Force 2 Elastics

- **Built in engineered stops**
  - to prevent over correction

- **Contoured stainless steel base**
  - to fit patient tooth anatomy

- **Fixed canine pad**
  - allows the distal movement of the canine along the alveolar ridge without tipping

- **Simple, direct-bond surface pads**

**CLASS II**

- Available in fun and bold colors!
  - Silver
  - Gold
  - Green
  - Blue
  - Purple
  - Multi

**CLEAR EXCLUSIVE**

- **Advanced medical grade polymer**
  - provides excellent strength and durability

- **Exceptional aesthetics**
  - guaranteed not to stain or discolor

- **Patented anterior pad with special dovetailed grooves**
  - for excellent bond strength and retention
The *Motion 3D* Class II Appliance is used to employ the SAGITTAL FIRST Philosophy to achieve an ideal Class I platform at the beginning of treatment (prior to placing brackets or aligners) when there are no competing forces operating and patient compliance is at its highest.

**Setup:**
- Appliance is bonded from the upper first molar to the canine or premolar
- *Sidekick* Bondable Hook or molar tube is bonded to the lower first or second molar
- Elastics connect the appliance to the *Sidekick* Bondable Hook or molar tube
- *Essix*-type retainer, clear aligner, or lingual arch provides anchorage for mandibular arch

Using gentle, uniform forces, the *Motion 3D* Appliance achieves ideal Class I occlusion by simultaneously:
- Rotating the maxillary first molars around the palatal root
- Uprighting the maxillary first molars
- Distalizing the maxillary posterior segment – from canine or first premolar to first molar, as a unit

### Results from *Motion 3D*

1. Upper first molars rotate into correct position
2. AP corrected – Class I molar and cuspid relationships achieved
3. Anterior crowding resolved (with extra space!)
4. Overjet and overbite deep bite corrected
5. Movement averages from 3 mm to 6 mm

**INDICATIONS**

- Class I, Crowding
- Class II, Division 1
- Class II, Division 2
- Class II, Open bite
- Class II, Deep bite
- Class II, Blocked out upper canines
- Class II, Subdivision, left or right (unilateral)
- Mixed Dentition (Phase 1)

The *Motion 3D* Class II Appliance uses a unique ball and socket design that mimics the human body’s mechanics to provide natural but controlled forces during treatment.
**Motion 3D Class II Appliances**

**Biomechanics**

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**BEFORE TREATMENT**

1. Excessive overbite
2. Anterior crowding
3. Mesially rotated molars

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**AFTER TREATMENT**

1. Molars are rotated and uprighted
2. Space is gained to resolve crowding without extractions
3. Molars and cuspids move into Class I relationship

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Watch how the Motion 3D Class II Appliance works:
Motion 3D Class II Appliances

Preparing the Mandibular Arch

1. The Motion 3D Appliance will be placed on the maxillary arch. A solid and consistent source of anchorage on the mandible must be selected to avoid protrusion of the lower incisors.

2. Possible sources of anchorage can be selected based on an orthodontist's preference. The recommended source of anchorage is the lower Essix Appliance with Sidekick Bondable Hooks or direct bonded tubes on lower molars.

3. The recommended Essix material is A+ with .040" (1 mm) thickness. If the 2nd lower molars (L7) are fully erupted, it is preferred to use them to place the Sidekick Bondable Hooks or buccal tubes, instead of the 1st molars that will be used to stretch the elastics from the molars to the canines or premolars.
Motion 3D Class II Appliances

Measurement and Selection

1. Measuring the Maxillary Segment

Using a Motion 3D Ruler, measure from the midpoint on the facial surface of the maxillary 1st molar buccal groove (U6) to the mesial 3rd of the facial surface of the maxillary canine (U3) or first premolar. Be sure to measure both sides, as some patients may need a different appliance size on each side. Individual sizes are sold separately to accommodate unevenness.

2. Appliance Selection

Select the correct length Motion 3D Appliance for treatment by using the measurement described above. When the measurement is between two sizes (i.e. in between 24 mm and 25 mm) select the correct appliance based on the amount of rotation desired:

- More molar rotation: select the smaller size
- Less molar rotation: select the larger size

Motion 3D Ruler (10/pk) - 424-9RULER-10
PREPARING TO BOND
1. Prep the teeth for light-cure bonding:
   A. Clean: Clean upper 1st molar and upper canine (or upper 1st premolar) using non-fluoride prophy paste.
   B. Rinse and dry: Rinse teeth thoroughly with water and air dry.
   C. Etch: Etch the surface of the molar and upper canine (or upper 1st premolar) as appropriate for the adhesive selected.
   D. Rinse: Rinse teeth thoroughly with water.
   E. Dry: Apply brief air burst to surface of etched canine (or upper 1st premolar) and molar. Ensure that the entire isolated area is dry.
   F. Prime: Apply a uniform coating of primer onto the surface of the upper 1st molar and upper canine (or upper 1st premolar), for maximum tensile bond strength.

2. Generously apply the light-cure adhesive to both pads.

PLACING AND ALIGNING
1. Placement
   A. Using the Motion 3D Placement Instrument or a locking hemostat, forceps or tweezers, grab the arm of the Motion 3D Appliance, and position the appliance onto the teeth.
   B. Position the molar pad first on the molar, then position the canine pad onto the mesial 3rd of the canine (or 1st premolar). The vertical groove on the posterior pad of the Motion 3D Appliance should be positioned in the center of the buccal surface of the molar. The occlusal edge of the molar pad on the appliance should be parallel with the molar cusp tips.

2. Alignment
   A. Position the Motion 3D Appliance onto its optimal position by aligning both pads onto the tooth surface. The canine pads should be positioned the same vertically on left and right to avoid creating an occlusal cant.

HOW TO IDENTIFY THE RIGHT AND LEFT APPLIANCES
› The color dots on the appliance: 2 dots = Right, 1 dot = Left
› The color of cap on the tube the appliance is packaged in: Red = Right, Black = Left
› The small, molded in R and L on the molar caps
**Motion 3D Class II Appliances**

**Bonding**

1. Remove excess adhesive using your hemostat, forceps, or tweezers, from tooth surface while maintaining alignment of the Motion 3D Appliance.
2. Fully cure the molar pad first.
3. Fully cure the canine (or premolar) pad.

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**DO YOU HAVE THIS HELPFUL INSTRUMENT?**

*Carriere Motion 3D Placement Instrument - 201-507*

This reverse action tweezer includes a notch on each side of the tip which fits around the edges of Motion 3D Appliances. This allows the Motion 3D Appliance to be held securely, without rotating or shifting. This instrument can be used for placing all Motion 3D Appliances (CLEAR, COLORS, and Class III).
Motion 3D Class II Appliances

Bonding Clear Appliances

1. Prepare teeth to be bonded using standard etch, rinse and dry protocols.

2. Apply a thin layer of plastic conditioner or primer to the Carriere Motion 3D CLEAR™ anterior pad using the standard protocol. TIP: Recommended products include Reliance® Plastic Conditioner (Item number: PL) and Parkell® Add&Bond™ Adhesive Composite Primer.

3. Apply an ample amount of adhesive on the Motion 3D CLEAR molar pad, and using the Motion 3D Placement Instrument, position the molar pad on the tooth. Press firmly. Light cure immediately (Fig.1). TIP: The molar pad should be bonded horizontally relative to cusp tips.

4. Lift the Motion 3D CLEAR arm and apply ample adhesive directly on the tooth surface (canine or premolar) (Fig.2). TIP: As the Motion 3D CLEAR anterior pad has deep grooves, use up to 2X to 3X the amount of adhesive normally used on a mesh pad.

5. Press the Motion 3D CLEAR anterior pad firmly into the adhesive using a ligature director or similar instrument (Fig.3). TIP: If sufficient adhesive has been used, excess will be expressed along the occlusal and gingival edges of the appliance. This excess can be “rolled” over the occlusal and gingival edges to add additional mechanical retention.

6. Light cure immediately while continuing to apply firm pressure with a ligature director against the Motion 3D CLEAR Appliance (Fig.4).
**Sidekick Placement and Activation**

**PLACEMENT**

- *Sidekick* Bondable Hooks are bonded to the first or second molars. If the second molar is available, and there is enough crown surface, we recommend placing on the second molars. The force vectors are more favorable when using the second molar as compared to using the first molar. However, with either, the first or second molar, movement will still happen.

- *Sidekick* Bondable Hooks should be bonded to the mesial cusp of the molar. The base of the *Sidekick* Bondable Hook is slightly concave, not flat.

- The hook should be positioned/orientated along the same line as the elastic when stretched to the *Motion 3D* Appliance hook when the patient is biting down.

- This placement facilitates easy engagement and superior performance of the *Motion 3D* Elastics.

- The *Motion 3D* Sidekick bonding procedure is the same as bonding *Motion 3D* Appliances and other metal brackets and auxiliaries.

**ACTIVATION**

1. With the lower *Essix* placed, attach an elastic at the lower 1st (or 2nd) molar hook and then stretch and attach it to the hook of the maxillary canine pad of the *Motion 3D* Appliance.

2. Refer to the Elastics Protocol on the following page for full details on elastics sizing and strengths.

3. Schedule the next appointment 4 to 6 weeks after placement, and then following at 6-week intervals until the desired treatment outcome is reached. Appointment checks should only take a few minutes to:
   - Observe treatment progress
   - Explain the progress to the patient
   - Praise and/or encourage compliance
Engineered to partner seamlessly with Motion 3D Appliances, the Motion 3D Sidekick Bondable Hook further simplifies the SAGITTAL FIRST Philosophy. The Sidekick Hook bonds to the first or second molar with its hook orientated along the same vector as the hook of the Motion 3D Appliance when the patient’s mouth is closed. This placement facilitates easy engagement and superior performance of the Force 1 and Force 2 intraoral elastics.

- **Pull extraction access eyelet**
  - for versatility during orthodontic treatment

- **Adhesive Guard Rails**
  - for easier flash clean up

- **Increased surface area using pylon geometry on bonding base**
  - for proven superior bond strength (similar to Aria™ Brackets)

- **Micro-etched base**
  - for enhanced bond strength

- **Ideal hook shape**
  - for easy double Force 2 elastics attachment, if needed

- **Smooth contours**
  - for enhanced patient comfort

- **Low profile**
  - for enhanced patient comfort

- **One-piece MIM manufacturing process**
  - for exceptional strength

- **Chamfered edges**
  - for easy debonding from any angle

*Carriere Motion 3D Sidekick Bondable Hook (10/pack) - 430-003*
Achieving a Class I platform in 3-6 months is made possible by using the correct force elastics. Be sure to use the MOTION 3D Force 1 and Force 2 Elastics, which are designed to optimize the features of MOTION 3D Appliances.

The patient should wear their elastics 24 hours per day, except while eating, and also replace them every 4 hours.

**ELASTIC OPTIONS**

**Natural Latex**
- Force 1: 6 oz, 1/4" (424-9F1)
- Force 2: 8 oz, 3/16" (424-9F2)

**Clear** (not made with natural rubber latex)
- Force 1: 6 oz, 1/4" (424-8F1)
- Force 2: 8 oz, 3/16" (424-8F2)

**PATIENT INSTRUCTIONS MADE EASIER**

*MOTION 3D Elastic Protocol for Patient* (Pk 50) - 999-293

This prescription notepad is used to clearly communicate the elastic protocol with patients. Clinicians can circle and select the recommended elastic wear instructions. The prescription sheet also provides basic instructions for patients to follow while wearing the Monow 3D Appliance. Each notepad contains 50 individual prescription sheets.
Elastics Protocols

Motion 3D Class II Appliances

**STANDARD PROTOCOL**

*Motion 3D Upper 3 to 6 with Hook on Lower 7*
- 1st month: Force 1 elastics (6 oz, 1/4”)
- After 1st month: Force 2 elastics (8 oz, 3/16”) thereafter

*Motion 3D Upper 3 to 6 with Hook on Lower 6*
- 1st month: Force 1 elastics (6 oz, 1/4”)
- After 1st month: Force 2 elastics (8 oz, 3/16”) thereafter

**BLOCKED-OUT CANINE STANDARD “SHORTY” PROTOCOL**

Due to blocked-out, high, or buccally-displaced cuspids

*Motion 3D Upper 4 to 6 with Hook on Lower 7*
- 1st month: Force 1 elastics (6 oz, 1/4”)
- After 1st month: Force 2 elastics (8 oz, 3/16”) thereafter

*Motion 3D Upper 4 to 6 with Hook on Lower 6*
- 1st month and thereafter: Force 2 elastics (8 oz, 3/16”)

**MIXED DENTITION PROTOCOL WITH DECIDUOUS CANINE**

2/3 of deciduous canine’s root must be available

*Motion 3D from Deciduous Canine with Hook on Lower 7*
- Force 1 elastics (6 oz, 1/4”) throughout the treatment

*Motion 3D from Deciduous Canine with Hook on Lower 6*
- Force 1 elastics (6 oz, 1/4”) throughout the treatment

**ADULT PATIENTS WITH HIGH-BONE DENSITY**

If there is no movement after three months following the standard protocol in Class II, Division II, high-bone density patients, boost the case by proceeding with the following:

*Motion 3D 3 to 6 with Hook on Lower 7*
- 4th month-night: double up Force 1 and Force 2 elastics (6 oz, 1/4” & 8 oz, 3/16”)
- 4th month-day: single wear of Force 2 elastics (8 oz, 3/16”)
- 5th month and thereafter: revert to single wear of Force 2 elastics (8 oz, 3/16”)

*Motion 3D 3 to 6 with Hook on Lower 6*
- 4th month-night: double up Force 2 elastics (8 oz, 3/16”)
- 4th month-day: single wear of Force 2 elastics (8 oz, 3/16”)
- 5th month and thereafter: revert to single wear of Force 2 elastics (8 oz, 3/16”)
Motion 3D Class II Appliances

Signs of Compliance

The Motion 3D Class II Appliance is used at the beginning of treatment and utilizes patient compliance when it is at its highest. At each appointment you will monitor the patient’s progress with their Motion 3D Appliance. Here are a few examples of what to assess:

- Canine mobility and extrusion
- Lower molar extrusion and possible mobility
- Spaces (upper anteriors)
- Bite opening
- Patient can easily attach their elastics

Let patients know what is expected to happen to manage their expectations
Transitioning from the Motion 3D Appliance to Brackets

1. Once the Class I platform has been achieved using the Carriere Motion 3D Appliance, the patient is ready to move on to treatment with brackets.
2. Remove the Motion 3D Appliance.
3. Bond upper and lower brackets 4-4.
4. Bond bite pads if needed.
5. Insert wires.
6. Schedule an appointment to bond the remaining posterior brackets in 4-6 weeks.

Case provided by Dr. Dave Paquette
TRANSITIONING FROM THE MOTION 3D APPLIANCE TO ALIGNERS

1. Once the Class I platform has been achieved using the Carriere Motion 3D Appliance, the patient is ready to move on to treatment with Henry Schein® aligners.

2. To transition from the Motion 3D Appliance to the aligners, first remove the appliance and clean any residual bonding material from the teeth surface.

3. You may leave the Sidekick Bondable Hook on for continued elastic wear. For a mild case, it can be removed.

4. The Motion 3D Appliance must be taken out before creating the records as it cannot be virtually removed without affecting the accuracy of the teeth anatomy. This is essential to achieve the precision fit of Henry Schein aligners.

5. Create the records required to submit for the aligner case: an intraoral scan or a PVS impression and photographs of your patient.

6. After you remove the Motion 3D Appliance, create a vacuum-formed retainer, such as an Essix ACE retainer, to hold the maxillary arch in place during the manufacturing time of the clear aligners.

7. If usage of the Motion 3D Sidekick or other buttons is continued, cut two elastic slits on the retainers.

8. In this case, the patient should wear light elastics while they sleep to maintain the correction in between the Motion 3D Appliance treatment and the clear aligners treatment.

9. Depending on the specifics of their case, the patient might have to continue wearing elastics for part or all of their treatment with aligners.

10. When creating and submitting the case in DDX, inform the lab technicians that the patient has already been treated with the Carriere Motion 3D Appliance.

11. The default option is providing cut-outs for the aligners, but you will be able to request a different approach.

12. Our expertly trained lab technicians will optimize the aligners treatment plan when you indicate the patient has used the Motion 3D Appliance.
Motion 3D Class II Appliances

Debonding

1. Remove any excess adhesive around the canine or 1st premolar pad, utilizing a tapered flame burr. A slight concave channel should now be formed around the parameter of the pad.

2. Have the patient bite on a cotton roll placed perpendicular to the canine or premolar to provide stability to either the canine or premolar tooth.

3. Instrumentation for removal options:
   A. Bracket Debonding Pliers (PN 204-219)
   B. Angulated Debonding Pliers (PN 204-220XL)
   C. Micro Mini Pin & Ligature Cutter (PN 204-107 or 107XL Long Handle)

4. Take one of the recommended removal instruments and place the tip ends at the adhesive interface (concave channel) between the Motion 3D Appliance canine pad and the tooth surface. Orient the instrument toward the mesial aspect of the canine or premolar pad in an occlusal/gingival aspect. Gently squeeze, applying increased continuous pressure, without any twisting or pulling until the bond fails.

5. Once the canine pad is debonded, have the patient bite on a cotton roll placed in the molar region and then remove the molar pad.

6. Take one of the debonding instruments and place it toward the mesial aspect of the molar pad. Gently squeeze the instrument with increased continuous pressure until the molar bond disengages.

7. Use a burr or adhesive removing pliers (PN 204-206) to remove any excess adhesive from the molar and cuspid, or bicuspid, tooth surface.

8. Polish the teeth to a fine, smooth finish.
AN ELEGANT AND MINIMALLY INVASIVE SOLUTION FOR:

- Treating dental Class III cases to a balanced and optimal Class I occlusion.
- Treating a high percentage of skeletal Class III cases to a Class I occlusion (for patients who do not want surgery).
- Treating lower anterior crowding at the beginning of treatment (without brackets).

No springs, push rods, bands, or crowns to complicate matters for you, your staff, or your patients.
Simple, reliable, direct-bond attachment points

High flexibility and unique spring-back qualities to resist deformation

Sleek hook on pad for attachment of Carriere Force 1 Elastics

Universal left and right design for simple inventory management

Patented posterior pad with special dovetailed grooves for excellent bond strength and retention

Multi-lateral flexion at the center and distal segments, allowing a custom anatomical fit and gentle repositioning/uprighting of the molar

Patented anterior pad with special dovetailed grooves for excellent bond strength and retention

Universal (L/R) appliance in eight sizes, color-coded for easy identification and inventory.

Key Features:

- Motion 3D Class III Appliance
- Universal (L/R) appliance in eight sizes, color-coded for easy identification and inventory.
Motion 3D Class III Appliance

Biomechanics

Counter clockwise change in the occlusal plane by:

1. Intruding the lower molars while extruding the canines
2. Distalizing the mandibular posterior segment, from canine to molar, as a unit

Before

After

Total Treatment Time: 18 Months

▶ Motion 3D: 3.5 months
▶ SLX Brackets: 14.5 months

Case provided by Dr. Luis Carriere
The choice of anchorage can help clinicians reach certain treatment goals associated with facial harmony and balance. The following are two preferred sources of anchorage:

**Option 1: Essix Retainer/Clear Aligner**

- Recommended when the desired outcome is to maintain the patient's soft tissue characteristics (angle, fullness, etc...), as the clear aligner will prevent additional protrusion of the upper lips and surrounding soft tissues.
- A clear aligner (Essix 0.4, A+) is placed in the upper arch at the onset of treatment when the Motion 3D Appliance is placed on the lower arch.
- A Sidekick Bondable Hook or direct-bonded buccal tube is placed on the upper molars. Bonding to the upper 2\(^{nd}\) molars is preferable (if available).

**Option 2: SLX 3D Self-Ligating Brackets**

- Recommended when the desired outcome is to protrude the patient's upper lip & soft tissue between the subnasal, labial superior, and stomion points.
- Prior to using the Motion 3D Appliance, SLX 3D Brackets are placed on the upper arch along with a round wire.
- Once the upper arch is level and aligned, transition to a .014 x .025 archwire and place the Motion 3D Appliance on the lower arch.
Motion 3D Class III Appliance

Measurement and Selection

1. Measuring the Mandibular Segment

Using a Motion 3D Ruler, measure from the midpoint on the facial surface of the mandibular 1st molar buccal groove (L6) to the mesial 3rd of the facial surface of the mandibular canine (L3) or first premolar. Be sure to measure both sides, as some patients may need a different appliance size on each side. Individual sizes are sold separately to accommodate unevenness.

2. Appliance Selection

Select the correct length Motion 3D Appliance for treatment by using the measurement found and described above. When the measurement is between two sizes (i.e. in between 25 mm and 27 mm) select the longer size.

NOTE:
This appliance is universal/interchangeable between right and left.

Motion 3D Ruler (10/pk) - 424-9RULER-10
Preparing, Placing and Aligning

Preparing to Bond

1. Prep the teeth for light-cure bonding:
   A. Clean: Clean the lower 1st molar and lower canine (or lower 1st premolar) using non-fluoride prophy paste.
   B. Rinse and dry: Rinse teeth thoroughly with water and air dry.
   C. Etch: Etch the surface of the 1st molar and lower canine (or lower 1st premolar) as appropriate for the adhesive selected.
   D. Rinse: Rinse teeth thoroughly with water.
   E. Dry: Apply brief air burst to surface of etched canine (or lower 1st premolar) and molar. Ensure that the entire isolated area is dry.
   F. Prime: Apply a uniform coating of primer onto the surface of the lower 1st molar and lower canine (or lower 1st premolar), for maximum tensile bond strength.

2. Holding the Motion 3D Appliance by the arm, dispense a generous amount of light-cure bonding material, completely covering each pad.

Placing and Aligning

1. Placement
   A. Using the Motion 3D Placement Instrument or a locking hemostat, forceps, or tweezers, grab the arm of the Motion 3D Appliance, and position onto the teeth.
   B. Position the molar pad first on the molar, then position the canine pad onto the mesial 3rd of the canine (or 1st premolar). The vertical groove engraved in the posterior pad of the Motion 3D Appliance should be positioned in the center of the buccal surface of the molar, however it can fall before or after (+/-1 mm) if necessary.

2. Alignment
   A. Position the Motion 3D Appliance onto its optimal position by aligning both pads onto the tooth surface. The occlusal edge of the molar pad on the appliance should be parallel with the molar cusp tips.
Motion 3D Class III Appliance
Bonding and Activation

**BONDING**

1. Start first by positioning the canine pad onto the lower mesial third of the crown of the canine (or 1st premolar). Place some light pressure with a finger near the canine pad. Remove excess adhesive around the canine pad. Snap cure (2 to 5 seconds) the Motion 3D Appliance’s pad on the canine, so that the Motion 3D Appliance stays in place properly when light-curing the molar pad.

2. Place the tips of the tweezers on the Motion 3D Appliance’s molar pad Instrument Channel to position the molar pad. Press gently until it becomes in full contact with the vestibular surface of the molar crown. Remove any excess of adhesive around the molar pad. While keeping pressure, proceed to light-cure without releasing the pressure.

3. Now that the Motion 3D Appliance is well aligned, complete the light-cure step on the canine pad.

**ACTIVATION**

1. With the upper Essix placed, attach an elastic at the upper 1st (or 2nd) molar hook and then stretch and attach it to the hook of the mandibular canine pad on the Motion 3D Appliance.

2. Refer to the Elastics Protocol on the following page for full details on elastics sizing and strengths.

3. Schedule the next appointment 4 to 6 weeks after placement, and then following at 6 week intervals until the desired treatment outcome is reached. Appointment checks should only take a few minutes to:
   - Observe treatment progress
   - Explain the progress to the patient
   - Praise and/or encourage compliance
**Motion 3D Class III Appliance**

**Elastics Protocols**

Achieving a Class I platform in 3-6 months is made possible by using the correct force elastics. Be sure to use the *Motion 3D* Force 1 and Force 2 Elastics, which are designed to optimize the features of *Motion 3D* Appliances.

The patient should wear their elastics 24 hours per day, except while eating, and also replace them every 4 hours.

**ELASTIC OPTIONS**

**Natural Latex**
- Force 1: 6 oz, 1/4” (424-9F1)
- Force 2: 8 oz, 3/16” (424-9F2)

**Clear** (not made with natural rubber latex)
- Force 1: 6 oz, 1/4” (424-8F1)
- Force 2: 8 oz, 3/16” (424-8F2)

**STANDARD PROTOCOL**

Elastic will run from lower canine to upper molar

- **Motion 3D Lower 3 to 6 with Hook on Upper 6**
  - Use Force 1 (6 oz, 1/4”) elastics throughout the treatment

- **Motion 3D Lower 3 to 6 with Hook on Upper 7**
  - Use Force 1 (6 oz, 1/4”) elastics throughout the treatment

**“SHORTY” CASES PROTOCOL**

Elastic will run from 1st lower premolar to upper 1st or 2nd molar

- **Motion 3D Lower 4 to 6 with Hook on Upper 6**
  - Use Force 2 (8 oz, 3/16”) elastics throughout the treatment

- **Motion 3D Lower 4 to 6 with Hook on Upper 7**
  - Use Force 1 (6 oz, 1/4”) elastics throughout the treatment

**PATIENT INSTRUCTIONS MADE EASIER**

*Motion 3D Elastic Protocol for Patient (Pk 50) - 999-293*

This prescription notepad is used to clearly communicate the elastic protocol with patients. Clinicians can circle and select the recommended elastic wear instructions. The prescription sheet also provides basic instructions for patients to follow while wearing the *Motion 3D* Appliance. Each notepad contains 50 individual prescription sheets.
Motion 3D Class III Appliance

Signs of Compliance

The Motion 3D Class III Appliance is used at the beginning of treatment and utilizes patient compliance when it is at its highest. At each appointment you will monitor the patient’s progress with their Motion 3D Appliance. Here are a few examples of what to assess:

- Canine mobility and extrusion
- Upper molar extrusion and possible mobility
- Spaces (lower anteriors)
- Bite opening
- Patient can easily attach their elastics

Let patients know what is expected to happen to manage their expectations.
Debonding

1. Remove any excess adhesive around the canine, or 1st premolar pad, utilizing a tapered flame burr. A slight concave channel should now be formed around the parameter of the pad.

2. Have the patient bite on a cotton roll placed perpendicular to the canine or premolar to provide stability to either the canine or premolar tooth.

3. Instrumentation for removal options:
   A. Bracket Debonding Pliers (PN 204-219)
   B. Angulated Debonding Pliers (PN 204-220XL)
   C. Micro Mini Pin & Ligature Cutter (PN 204-107 or 107XL Long Handle)

4. Take one of the recommended removal instruments and place the tip ends at the adhesive interface (concave channel) between the Motion 3D Appliance canine pad and the tooth surface. Orient the instrument toward the mesial aspect of the canine or premolar pad in an occlusal/gingival aspect. Gently squeeze, applying increased continuous pressure, without any twisting or pulling until the bond fails.

5. Once the canine pad is debonded, have the patient bite on a cotton roll placed in the molar region and then remove the molar pad.

6. Take one of the debonding instruments and place it toward the mesial aspect of the molar pad. Gently squeeze the instrument with increased continuous pressure until the molar bond disengages.

7. Use a burr or adhesive removing pliers (PN 204-206) to remove any excess adhesive from the molar and cuspid, or bicuspids, tooth surface.

8. Polish the teeth to a fine, smooth finish.
Henry Schein® Orthodontics™ mission is to create healthy, beautiful smiles through passionate collaboration with our customers.