**Blis-sonic SW & K Ergonomic Sonic Scalers**

**Note:** Do not sharpen or alter tips in any way.

1. Thread the selected tip onto the scaler with the operating unit until it stops turning. Rotate slightly with fingers until tight.
2. Use a "feather touch" one to two atmospheres pressure.
3. Move tip in a crosshatching, circular or wave fashion (see illustration).

**Application of the Blis-sonic SW & K Ergonomic Sonic Scaler** Tip is similar to that of an ultrasonic scaler. Follow these steps to minimize the risk of over-scaling the tooth.

- Always scale with tip at an angle to the restoration margin.
- Do not overtighten.

**Lubricating**

Lubricating Blis-sonic SW & Blis-sonic K

**Note:** Be sure to rotate Swivel tubing connection joint may loosen over time, resulting in water leaks and/or loss of power. Check for tightness periodically.

**Air Pressure and Water Flow Adjustments**

1. Thread the selected tip with the scaler operating, rotate tip 1/16 turn with fingers.

**CAUTION:** To prevent damage to the scaler, do not tighten tips with the universal wrench. Use the wrench only to remove tips as shown. Install tips as previously illustrated.

2. Mount 1/4-inch pressure gauge, StarDental Part #264565, between the scaler and the air supply tubing for the Blis-sonic SW & K Ergonomic Scale. Position the pressure gauge between the swivel and air supply tubing for the Blis-sonic SW Ergonomic Scale. Snap scaler onto swivel.

3. Turn swivel OFF.

4. Fully depress foot control. Adjust air supply on delivery unit until gauge shows 400-2750 cm³/gm.

**Note:** Do not exceed 400-2750 cm³/gm. Pressure sensitivity and tooth damage may occur.

5. After adjustment, unscrew the pressure gauge and install scaler directly to the tubing.

6. With scaler running and tip held vertically, adjust water flow until water atoms at tip. When water atomizes, the water flow is needed is optimized (see illustration above).

**K Tuning**

- Be sure to turn tubing coupler, not swivel.
- swivel stationary while tightening the tubing coupler until snug.
- Do not overtighten.
- Turn tubing coupler, not swivel.
- Do not overtighten.
- Swivel swivel connection joint may loosen over time, resulting in water leaks and/or loss of power. Check for tightness periodically.

**Installing**

- To prevent damage to the scaler, do not tighten tips with the universal wrench. Use the wrench only to remove tips as shown. Install tips as previously illustrated.

**Solution:** Be sure to rotate Swivel tubing connection joint may loosen over time, resulting in water leaks and/or loss of power. Check for tightness periodically.

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2. Mount 1/4-inch pressure gauge, StarDental Part #264565, between the scaler and the air supply tubing for the Blis-sonic SW & K Ergonomic Scale. Position the pressure gauge between the swivel and air supply tubing for the Blis-sonic SW Ergonomic Scale. Snap scaler onto swivel.

3. Turn swivel OFF.

4. Fully depress foot control. Adjust air supply on delivery unit until gauge shows 400-2750 cm³/gm.

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5. After adjustment, unscrew the pressure gauge and install scaler directly to the tubing.

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**K Tuning**

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- swivel stationary while tightening the tubing coupler until snug.
- Do not overtighten.
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- Do not overtighten.
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3. Turn swivel OFF.

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**Note:** Do not exceed 400-2750 cm³/gm. Pressure sensitivity and tooth damage may occur.

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- Be sure to turn tubing coupler, not swivel.
- swivel stationary while tightening the tubing coupler until snug.
- Do not overtighten.
- Turn tubing coupler, not swivel.
- Do not overtighten.
- Swivel swivel connection joint may loosen over time, resulting in water leaks and/or loss of power. Check for tightness periodically.
**Problem: NO VIBRATION OR NOISE**

**Cause:** No air

**Correction:** Check pressure at compressor and delivery unit.

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**Problem: Broken or worn tip**

**Correction:** Refer to Tip Operation for length. Replace if shorter by 0.5 (1/2mm) or more.

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**Problem: Brake**

**Correction:** Brake rotor & seal rings replacement.

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**Problem: No water**

**Correction:** Check front section and inlet supply

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**Problem: Water leaks at rear**

**Correction:** Replace front suspension, refer to O-Rings & Rear Seal Replacement.

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**Problem: Audible irregularity, change in pitch or noise**

**Correction:** Tip loose

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**Problem: Water does not atomize**

**Correction:** Replace front suspension, refer to O-Rings & Rear Seal Replacement.

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**Problem: Water leak into water stream**

**Correction:** Cute tip damage to handle assembly or swivel tubing.

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**Problem: Water tube gasket replacement**

**Correction:** Replace the water gasket if on tip to prevent distortion of the air tube when removing water tube assembly.

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**Problem: Water tube assembly, gasket, 4-line**

**Correction:** Clamp wrench

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**Problem: 3/4-line for Blis-sonic SW and Blis-sonic K**

**Correction:** 1. Pull grip onto nose at front of grip

2. Push grip onto air nozzle at tip of o-ring

3. Grip must not protrude past front of handle (sleeve)