StarDental® Instruments

Titan® Blis-Sonic Scaler SW/S

Replacement Assemblies and Spare Kits

Instruction Manual

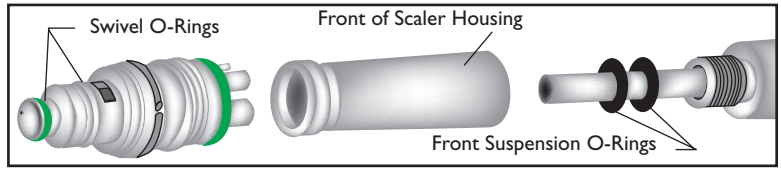
Titan S:

Tube Assembly, Gasket, Retainer Ring, (2/3-Line) 256454
Tube Assembly, Gasket (4-Line) 256455

O-Rings & Rear Seal Replacement

Swivel O-Rings: Periodically replace the swivel O-rings, **StarDental**® Part #259884.

Front Suspension O-Rings: After two years, front suspension O-rings relax resulting in play between shaft and handle.

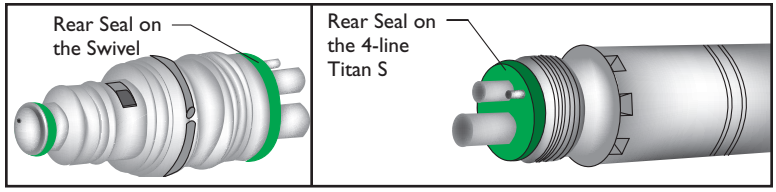


WARNING: Never remove scaler housing with tip assembled to the scaler.

1. Unthread the front of the scaler housing to expose the front suspension carrier.
2. Remove the two old O-rings and install the replacement O-rings, **StarDental** Part #256718.
3. Re thread front of scaler housing to original position.

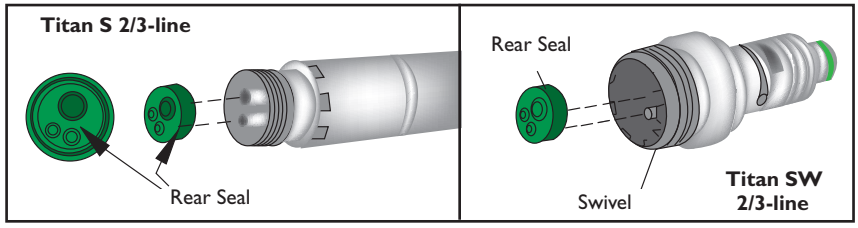
Titan S/SW Rear Seal & Swivel O-Rings

Seals wear with repeated use. Replace rear seals annually or as needed. On either the 2/3-line swivel or Titan S 2/3-line Scaler replace the 2/3-line rear seal with **StarDental** Part #203103. On either the 4-line swivel or Titan S 4-line Scaler replace seal with **StarDental** Part #202897.



2/3-line for Titan S/SW

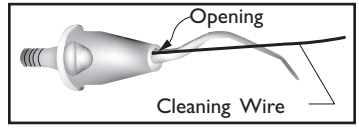
1. Remove 2/3-line rear seal with an explorer.
2. Place new rear seal over drive air and water tubes.
3. Carefully push seal into place using a blunt instrument.



Cleaning Wire

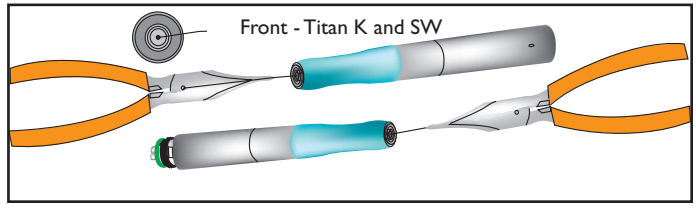
CLEANING the Tips

Clean tips weekly by running cleaning wire, **StarDental** Part #256719, through entire tip starting at opening in front.



CLEANING Titan SW or S Water Tube

On a regular basis or if a water tube blockage occurs, remove the tip, and on the Titan SW also disconnect the swivel. Push the cleaning wire through the internal water tube using needle nose pliers at the front on both the Titan SW and S as shown. Push small lengths of 3 to 4 mm at a time until the wire emerges at the opposite end. Pull wire completely out.

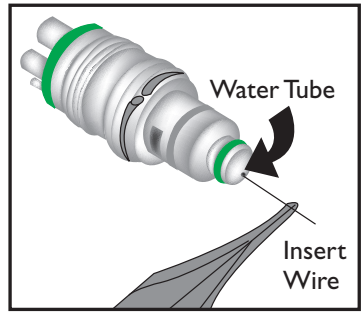


Cleaning Wire (cont.)

CLEANING the Swivel

Note: To insure peak performance and proper functioning of scaler, clean swivel and mating components daily or as needed. Do not attempt to disassemble swivel.

1. Disconnect swivel from scaler and tubing. Depress foot control; verify that water exits tubing.
2. Connect swivel to tubing. Depress foot control; if almost no water exits front of swivel, clean as follows.
3. Detach swivel from tubing and find water tube.
4. Insert wire throughout water tube and move wire back and forth to loosen debris at blockage.
5. Remove wire and apply a blast of syringe air into water tube.



Water Tube Gasket Replacement

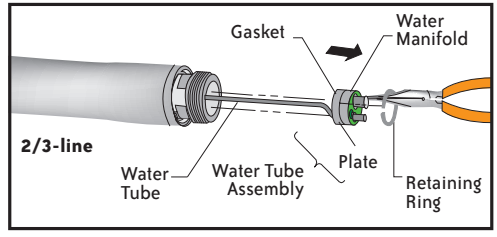
Replace the washer gasket or o-ring on the **Blis-sonic K** water tube assembly annually with the gasket provided in the **StarDental** Spares Kit #256888 for the 2/3-line, or the o-ring provided in the **StarDental** Spares Kit #264592 for the 4-line.

2/3 Line:

NOTICE Use needle nose pliers **carefully** to prevent distortion of the air tube when removing water tube assembly.

1. Remove the water tube assembly. Remove rear seal with an old dental instrument such as an explorer. Gently tug on the air tube with needle nose pliers to remove water tube assembly. Retaining ring pops out when removing assembly. Take care not to lose retaining ring.
2. Slide old gasket off water tube.
3. Slide on new gasket and seat in place.
4. Insert water tube into handle, rotate slowly between thumb and forefinger to locate internal water tube assembly. Push lightly to fully seat tube.

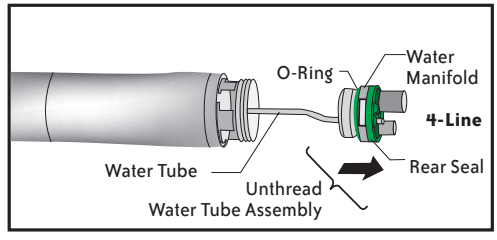
Note: Reinstall retaining ring. Then assemble rear seal over tubes and retaining ring.



4 Line:

1. Remove rear seal. Then, using a 7/16" open end wrench, or an adjustable wrench, unthread manifold assembly (water tube assembly).
2. Slide old o-ring off of water tube.
3. Slide on new o-ring and seat in place.
4. Insert water tube into handle, rotate slowly between thumb and forefinger to locate internal water tube assembly. Thread manifold assembly (water tube assembly) into torque reaction sleeve. Tighten using 7/16" open end wrench, or adjustable wrench.

Note: Reinstall rear seal.



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