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Limited Warranty

StarDental® Prophy★Star®II is warranted against defects in material and workmanship for one year from date of purchase. This warranty is subject to the following conditions:

The handpiece must not be abused and must have been operated in accordance with procedures detailed in this manual.

Any replacement parts must be genuine StarDental® parts.

Warranty validation card must be completed and returned within 15 days of purchase.

StarDental® will, without charge, repair or replace (at its sole discretion) any defective part(s) covered in this warranty, providing above conditions are met and the handpiece is returned through an authorized StarDental® dealer. You must have a copy of your original invoice to qualify.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE.



DentalEZ (GB) Ltd.,
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0641 116A



Product complies
with MDD 93/42/EEC

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Specifications (Nominal)

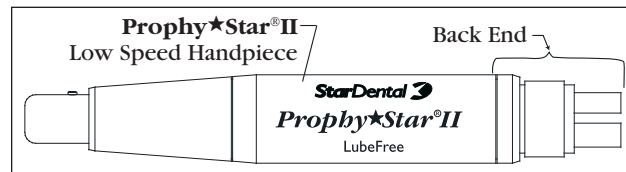
Prophy★Star®II Handpiece Part #264133

Diameter x Length:	.647in x 4.365in 16.43mm x 110.87mm
Operating Speed:	0 to 4000 rpm
Power Output:	5.8 watts
Weight:	65 grams
Operating Air Pressure:	35-40 psi (2.46 to 2.81 kgs/cm ₂)
Line Configuration:	4-Line
Filtration:	25 micron air filter recommended
Attachments:	ISO standard Doriot style disposable prophy angles ISO standard Doriot style reusable prophy angles

Installation & Operation

Materials Provided: Prophy★Star®II Handpiece
Cleaning Brush, Instructions

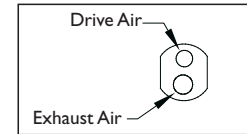
Note: Before installing the Prophy★Star®II Handpiece, be sure the air filter operates efficiently. Verify recommended air filtration of 25 microns. Recommended air pressure, while operating, is 35 to 40 psi, see #2.



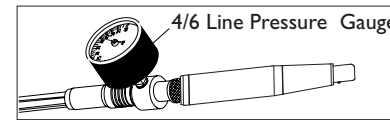
CAUTION: If delivery unit has oil/mist lubrication, detach and drain; handpiece is LubeFree.

The Prophy★Star®II Handpiece (4,000 rpm) is suitable for low speed prophy procedures using disposable or metal prophy angles. The overall reduction in length of the Prophy★Star®II improves work positioning and reduces operator fatigue.

1. Verify that the back end of the handpiece corresponds to the delivery system's tubing configuration (ISO standard 4-line configuration).



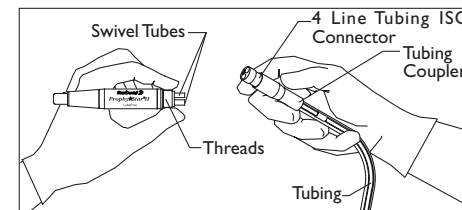
2. Mount 4/6-line air pressure gauge, StarDental Part #262951, between the back end of handpiece and air supply tubing and obtain a reading. Adjust air pressure until gauge reads 35-40 psi while operating handpiece with foot control completely depressed.



NOTE: If a gauge is not available, set pressure at delivery head allowing 1 psi pressure loss for every foot of tubing. For example, to operate at 35 psi and you are using either 5 feet or 12 feet of tubing, then the pressure should be set at the delivery head to compensate for the air pressure losses:

5 feet of tubing	35 psi + 5 psi = 40 psi
12 feet of tubing	35 psi + 12 psi = 47 psi

3. After adjustment, uncouple the pressure gauge and install handpiece as follows.
4. Grasp the handpiece at the back end, in front of the threads between the thumb and finger as shown.

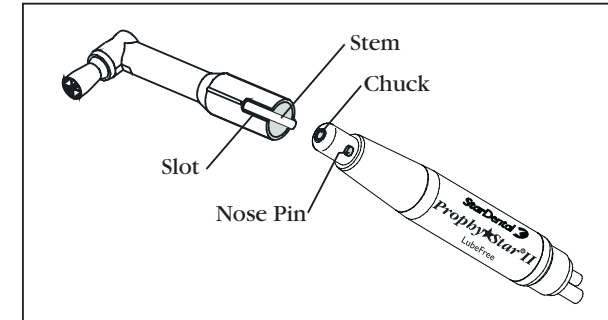


5. Slide tubing coupler until the end of the ISO tubing connector is exposed; hold in hand as shown with fingers securing the tubing.
6. Align and insert fittings on handpiece into the ISO tubing connector holes.
7. While applying slight pressure to hold fittings in the connector holes, slide coupler forward and engage threads. Continue threading coupler clockwise until hand tight against the handpiece.

Disposable Prophy Angle Installation

Note: Either reusable or disposable prophy angles are recommended for prophy procedures. Prophy angles with metal or plastic stems with ISO standard Doriot couplings may be used. Attachments other than prophy angles are not recommended with this handpiece.

1. Insert the stem of the prophy angle into the chuck of the handpiece while making sure that the slot is aligned with the nose pin.
2. Push the angle until the slot is fully seated around the nose pin.



Note: To remove the angle, simply pull the angle out of the handpiece.

Safety Rules

PLEASE OBSERVE SAFETY RULES

1. Always pull lightly on angle after mounting to handpiece to confirm that the angle is secured.
2. Before use, verify concentric rotation by operating the handpiece outside the oral cavity in a safe place. Do not use angles that do not run concentrically or produce excessive noise.
3. Never operate handpiece without an angle installed.
4. Use only recommended angles to prevent damage to chuck. An improperly inserted angle may dislodge during use, causing injury to you or your patient.



Prophy★Star®II

Instruction Manual

Cleaning

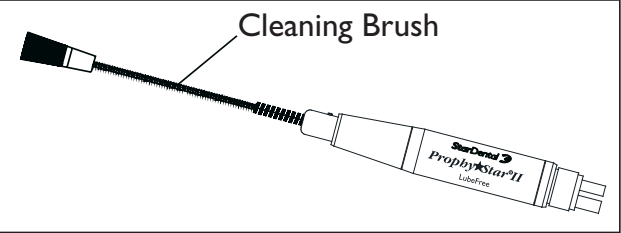
The **Prophy★Star®II** Handpiece is LubeFree and, therefore, requires no lubrication.

At times, debris from the delivery system’s drive air tubing collects in the handpiece. This build up may cause sluggish operation. To ease place 1 drop of **DentaLube®II, StarDental®** Part #262539, into the drive air tube, and operate the handpiece for 15 seconds.

CLEANING Prophy★Star®II Chuck

Clean at least weekly by inserting round end of cleaning brush provided, **StarDental®** Part #203043, straight into chuck and withdraw as shown.

Note: Do not rotate brush while inserting or removing. After removing brush, tap nose of handpiece to expel debris from chuck.



CAUTION: Do not disassemble or lubricate the **Prophy★Star®II** Handpiece.

Sterilization

1. Wear puncture resistant gloves to prepare the prophy handpiece for sterilization.
2. Remove prophy angle from prophy handpiece
3. Disconnect handpiece from tubing.
4. Clean all external surfaces with a cotton swab soaked in isopropyl alcohol.
5. Dry thoroughly.
6. A **wrapped** handpiece should be steam sterilized at 132°C for a minimum of 10 minutes or at 121°C for a minimum of 50 minutes. Do not exceed 135°C.

An **unwrapped** handpiece should be steam sterilized at 132°C for a minimum of 8 minutes or at 121°C for a minimum of 30 minutes. Do not exceed 135 °C.

Sterilization (cont.)

Note: An unwrapped handpiece needs to be used immediately or sterility is not maintained.

Do not exceed the sterilizer manufacturer’s guidelines for load capacity.

CAUTION: Use steam sterilization exclusively for complete sterility. Never dry heat sterilize, clean ultrasonically, or expose to chemical disinfection or cold sterilization by:

- Immersion techniques or Surgical milk
- Surface wipes, Hand soaps, or Detergents
- Surface sprays
- Sterilization bags containing disinfectants

Do not remove handpiece from sterilizer before the drying cycle ends. Allow handpiece to cool in bag. Using the handpiece without completing the drying cycle could result in handpiece damage.

Troubleshooting

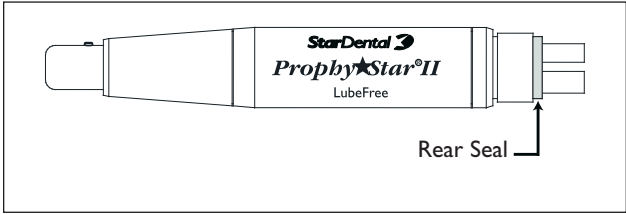
- PROBLEM: LOW POWER**
- Cause:** Air leak at motor
- Correction:** Replace rear seal. **StarDental®** Part #203293 (Refer to **Rear Seal Replacement**)
- Cause:** Debris buildup
- Correction:** Refer to **Cleaning**
- Cause:** Faulty angle
- Correction:** Replace angle
- Cause:** Air pressure too low
- Correction:** Verify proper handpiece air pressure
- Cause:** Crimped Tubing
- Correction:** Straighten tubing inside and outside of tubing delivery head
- Cause:** Brittle rear seal
- Correction:** Replace rear seal. **StarDental®** Part #203293 (**Refer to Rear Seal Replacement**)

Troubleshooting (cont.)

- PROBLEM: PROPHY ANGLE SLIPS IN CHUCK**
- Cause:** Insufficient clamp load between chuck and drive stem of prophy angle
- Correction:** Replace faulty prophy angle with a prophy angle that meets ISO standards for drive stems
- Cause:** Build up of debris in chuck
- Correction:** Clean chucking mechanism
Refer to **Cleaning Prophy★Star®II Chuck**
- PROBLEM: PROPHY ANGLE VIBRATES EXCESSIVELY**
- Cause:** Angle is out of balance
- Correction:** Install new prophy angle

Note: If a problem persists, contact dealer for further assistance; or, contact **StarDental®** Technical Service at 1-866-DTE-INFO.

Rear Seal Replacement



Seals wear with repeated use. Once a year, or as needed, replace the rear seal with **StarDental®** Part #203293.

Replacement Part Numbers

Always insist on StarDental Parts for best performance.

Description	Item Number
Prophy★Star®II Handpiece.....	264133
Gauge, Air Pressure, 4/6 Line	262591
Cleaning Brush	203043
Rear Seal, 4-Line (Package of 3)	203293
DentaLube®II.....	262539

Important Notice About Returning Product To The DentaEZ Group

Anyone wishing to return any DentaEZ Group product to a DentaEZ facility MUST obtain the proper RETURN AUTHORIZATION NUMBER from the Customer Service Department. The RA Number must appear clearly marked on both the outside and inside of the returned product carton. When calling for a return authorization number you will be asked to provide the following information:

- Product Name, Model Number or Part Number
- Serial Number of Product
- Dealer Return Purchase Order Number
- Reason For Return
- Copy of Invoice Showing Purchase

To Obtain A Return Authorization Number Call 1-866-DTE-INFO

Items will be evaluated. Return Authorization Number is not a guarantee for credit. Your cooperation with this procedure will help us expedite processing of any returns.