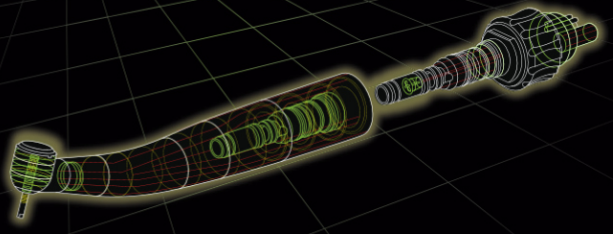


Lares® RESEARCH
Precision Performance

Distributed by:
Lares Research
295 Lockheed Ave
Chico, CA 95973 USA
Tel 530-345-1767
Fax 530-345-1870

Manufacturer:
Lares Research
295 Lockheed Ave
Chico, CA 95973 USA
www.laresdental.com
1-888-333-8440, Ext. 1

Instructions For Use

Swivel Highspeed Handpiece

Technical Specifications

Drive air pressure:
- 557/757 ProStyle SF/Legacy 5
  - Range: 220 to 280 kPa (32 to 40 psi)
  - Recommended: 220 kPa (32 psi)
- Xtreme-Power (XP):
  - Range: 220 to 421 kPa (32 to 61 psi)
  - Recommended: 310 kPa (45 psi)

Air Consumption: 42 to 55 NL/min (1.1 to 1.9 cfm)

Manufacturer: Lares Research
295 Lockheed Ave,
Chico, CA 95973, USA

CE 1639

EU REP MDSS Schiffgraben 41, 30175 Hannover, Germany

NON STERILE Not Sterile

Burs:
- Recommended length: 19 mm
- Range: 16-21 mm (557) & 19-25 mm (757)
- Burs less than 16 mm NOT RECOMMENDED
- Shank diameter: 1.59 mm to 1.60 mm per ISO and ADA standards
- Shaft clamping length: 11 mm
- Working diameter: maximum 2 mm (0.080 inches)
- Recommended cutting force: 2 to 3 N (0.45 to 0.68 lbs)
- Swivel connection: Kavo* MULTIflex (LUX) coupling or NSK**

*Kavo and MULTIflex are trademarks of Kavo Dental GmbH
**NSK is a trademark of Nakanishi,Inc.

Model Reference

Legacy 5
ProStyle SF 557/757
Xtreme-Power (XP)

Table of Contents

1 Product Description

Highspeed Handpiece, Swivel, Push Button

1.1 Purpose – Proper Use

Purpose:

This highspeed handpiece is

- Only intended for dental treatment. Any other type of use or alteration to the product is impermissible and can be hazardous. The handpiece is intended for the following uses: Removal of carious material, cavities and crown preparations, removal of fillings, processing of tooth and restoration surfaces.
- A medical device according to relevant national statutory regulations.

Indications for Use:

The Lares Research ProStyle SF, Legacy 5, and Xtreme-Power highspeed handpieces are intended to be used by a licensed dental professional to reduce hard tooth structure, carry out cavity preparations and perform restorative dentistry.

Proper use:

According to these regulations, this handpiece may only be used for the described application by a licensed dental professional. The following must be observed:

- The applicable health and safety regulations,
- The applicable accident prevention regulations,
- These instructions for use.

According to these regulations, it is the responsibility of the user to:

- Only use equipment that is operating correctly,
- Use the equipment for the proper purpose,
- Protect him or herself, the patient and third parties from danger, and
- Avoid contamination from the product.

⚠ WARNING

For professional use only.
This product is intended for use only by licensed dental professionals.
Before operating handpiece, carefully read and follow these instructions.

▶ Observe all cautions and warnings during use.

2 Introduction

Dear User,

Congratulations on purchasing this Lares Research quality handpiece. You are now the owner of the most advanced highspeed handpiece available. By following these instructions you will be able to work smoothly, economically and safely.

SYMBOLS

Refer to the Chapter on Safety/Warning symbol	
Important information for users and service technicians	
Action request	▶
Can be steam autoclaved up to 135 °C (275 °F)	

This document is intended for dentists and their assistants. The section on starting up is also intended for service technicians.

⚠ CAUTION

Caution: United States federal law restricts this device to sale by or on the order of a dentist. (21 CFR 801.109)

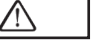
⚠ WARNING

For professional use only.
This product is intended for use only by licensed dental professionals.
Before operating handpiece, carefully read and follow these instructions.

- ▶ Observe all cautions and warnings during use.

3 Safety

3.1 Description of safety instructions

WARNING SYMBOL	

Structure

⚠ DANGER	
The introduction describes the type and source of the hazard. This section describes the potential consequences of non-observance. ▶ The optional step includes necessary measures for hazard prevention.	

Description of hazard levels

The safety instructions listed here, together with the three levels of danger, will help avert damage and injury.

⚠ CAUTION	
CAUTION Indicates a hazardous situation that can cause damage to property or mild to moderate injuries.	
⚠ WARNING	
WARNING Indicates a hazardous situation that can cause death or serious injury.	

⚠ DANGER

DANGER
Indicates a hazardous situation that can directly cause death or serious injury.

3.2 Safety instructions

⚠ WARNING

Hazards for the care provider and the patient.
In the case of damage, irregular running noise, excessive vibration, unusual warming or when the bur cannot be held securely by handpiece.
▶ Do not use further and have handpiece serviced.

⚠ WARNING

Hazard from contraindication.

If the soft tissue in the oral cavity is injured, the compressed air may enable septic substances to enter the tissue. Using the handpiece in the presence of an open wound may result in subcutaneous emphysema and accompanying serious patient health hazards, including permanent disability or death.

- Treatment with instruments operated by compressed air must be discontinued when soft tissue is damaged in the oral cavity.

⚠ CAUTION	
Premature wear and malfunctioning from improper storage during long periods of nonuse. Reduced product life. ▶ The handpiece should be cleaned, serviced and stored in a dry location, according to instructions, before long periods of nonuse.	

⚠ CAUTION

Risk due to incorrectly stored handpiece.
Injury and infection caused by inadvertent bur contact.
Damage to chucking system from dropping the handpiece.

- ▶ After treatment, place the handpiece properly in the handpiece nest, without the bur.

⚠ CAUTION

Burning hazard from hot handpiece head and instruments head cap.
If the handpiece overheats, burns may arise in the oral area.

- ▶ Never contact soft tissue with the handpiece head.
- ▶ Do not use handpiece head as a cheek retractor.

⚠ CAUTION

Hazard from use as a light probe.
Do not use the device as a light probe with the bur rotating.
The rotating bur can cause injury.

Note:

For safety reasons, we recommend that the push button chuck system be checked to verify the bur is securely retained before each use.

The following individuals are authorized to repair and service Lares Research products:

- Technicians at Lares Research
- Technicians specially trained by Lares Research

  To ensure proper function, the highspeed handpiece must be set up according to the reprocessing (maintenance) methods described in this Lares Research Instructions for Use, and the care products and care systems described therein must be used. Lares Research recommends specifying a service interval to clean, service and check the functioning of the handpiece. This service interval depends on the frequency of use and should be adjusted.

⚠ WARNING	
Service may only be carried out by Lares Research-trained repair technicians using original Lares Research replacement parts.	

⚠ WARNING

Hazard from non-sterile handpieces.

Infection danger to the care provider and patient.

▶ Before first use and after each use, prepare and autoclave the handpiece.

⚠ CAUTION

Damage from soiled and moist supply air.

Contaminated and moist supply air can cause malfunctions and lead to premature bearing wear.

▶ Make sure that the supply of air is dry, clean and uncontaminated.

4.1 Attach the coupler to the hose.

- ▶ Screw the Lares MX swivel coupler, Kavo MULTIflex* coupler, or NSK** coupler onto the dental unit hose and tighten.
- ▶ Attach the handpiece to the coupler.

4.2 Check the amount of water that flows from the handpiece.

⚠ CAUTION	
Overheating of the tooth due to insufficient amount of cooling water. Insufficient cooling of tooth structure during restoration can lead to dental nerve necrosis and tooth loss.	

▶ Adjust the water amount for the spray cooling to a minimum of 50 cm^3 /min (3.1 $inch^3$ /min), so the spray covers the tooth at the contact location of the bur.

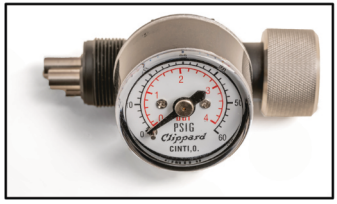
▶ Check spray water ports and if necessary clean spray nozzles with the spray port cleaning tool (Cat No. 10541).

4.3 Check the supply pressures

▶ Attach an air pressure gauge (cat. no. 13051) between the supply hose and the swivel coupler (with handpiece connected) and check the air pressure.
  - Legacy 5 and ProStyle SF:
    Drive air: 220 to 280 kPa (32 to 40 psi)
    Recommended: 32 psi (220 kPa)
  - Xtreme-Power (mini and standard):
    Drive air: 220 to 421 kPa (32 - 61 psi)
    Recommended: 45 psi (310 kPa)

▶ Ensure the dental unit water pressure is set.
  - Water: 80 to 250 kPa (11 to 36 psi)
  - Water flow rate: ≥50 ml/min at 11 to 36 psi

▶ Ensure that chip air pressure is set.
  - Chip air: 100 to 220 kPa (14 to 32 psi)
  - Chip air flow rate: ≥1.5 NL/min at 14 to 32 psi



⚠ WARNING

Accelerated materials in unanticipated directions.
The rotation of the handpiece has the potential to accelerate materials at high velocities in unanticipated directions that could affect the eye. The materials can be hard and sharp with the potential to damage unprotected eye.

▶ Use proper eye protection for the practitioner, staff and patient.

⚠ CAUTION

Risk due to procedure generated aerosols.
Air driven devices create a plume of bio contaminated air close to procedure site.

▶ Use proper face personal protective devices to reduce inhalation of aerosols.

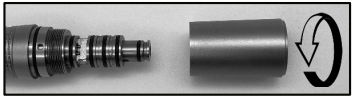
4.4 Check the swivel coupler O-rings

⚠ CAUTION

Missing or damaged O-rings.
Malfunctions and premature failure.
▶ Make sure that all O-rings on the coupling or handpiece are undamaged.

▶ For Lares MX swivel couplers & Kavo Multiflex* couplers, the O-rings are located on the coupler.

▶ For NSK** connection handpieces, the O-rings are located on the handpiece. Remove the the handpiece sleeve by rotating it counter-clockwise to access the O-rings.



5 Operation

Note: Along with appropriate maintenance of the dental unit water lines, the handpiece water line should be flushed for 20-30 seconds after each patient to reduce the risk of device contamination.

Transportation and storage conditions

⚠ CAUTION

It is hazardous to start up the handpiece after it has been stored in a refrigerated environment.

This can cause the handpiece to malfunction.

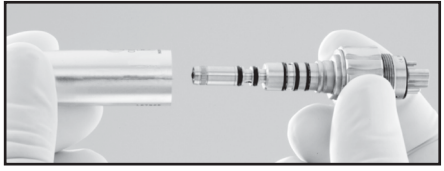
▶ Prior to start-up, very cold products must be heated to a temperature of 20°C to 25°C (68°F to 77°F).

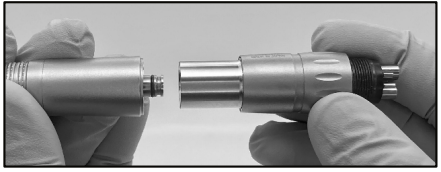
5.1 Attach the handpiece

⚠ WARNING

Release of the Handpiece during treatment.
A handpiece that is not properly locked in place can release from the coupler during treatment.

- ▶ Before each use, check if the handpiece is securely locked onto the coupler by pulling on it.





- Mount the handpiece completely on the coupler and push it backward until the coupler audibly locks in the handpiece.
- Pull on it to make sure that the handpiece is securely affixed to the coupler

5.2 Remove the handpiece from coupler.

- For Lares MX swivel couplers & Kavo Multiflex* couplers, hold the coupling tight & pull the handpiece off while twisting slightly.
- For NSK** couplers, pull back on the coupler sleeve to unlock it, then pull on the handpiece to separate it.

⚠ CAUTION

Premature wear due to leaving handpiece connected to coupler for extended periods.

Leaving handpiece attached to coupler for extended periods may cause water deposits and corrosion, which may reduce its service life.

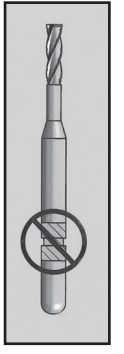
- Detach handpiece from swivel coupler at the end of each day.

5.3 Insert the burs (carbides or diamonds)

Note

Only use carbide or diamond burs that correspond to ISO 1797 type 3 that are made of steel or hard metal and meet the following criteria:

- Shaft diameter: 1.59 to 1.60 mm (0.0626 to 0.0630 inches)
- Shaft clamping length: 11 mm
- Do not use super short burs (less than 16 mm length)
- Working part diameter: maximum 2 mm (0.080 inches)
- Do not use burs or diamonds with grooves on the shank (see figure).



⚠ WARNING

Use of impermissible burs.
Injury to the patient or damage to the handpiece.
▶ Observe the instructions for use, and use the burs properly.

▶ Only use burs that do not have visible identifying grooves on the shank. (see figure previous page)
▶ Never use burs or tools with speed limit below maximum handpiece speed.

⚠ WARNING

Injury from using worn or damaged burs.
Burs could fall out during treatment and injure the patient.
- ▶ Never use burs with worn shanks.
- ▶ Never use burs with visible markings or damage on the shanks.

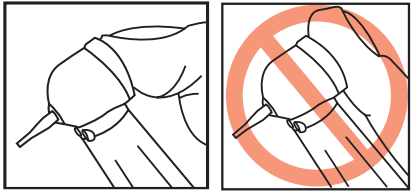
⚠ CAUTION

Danger of injury from burs (carbides or diamonds).
Infections or cuts.
- ▶ Wear gloves when handling burs.

⚠ WARNING

Hazard from worn or damaged push button chuck system.
The bur could fall out and cause injury.
▶ Pull on the bur to check that the chucking system is retaining the bur securely, use gloves or finger cots to prevent an injury or infection.

- ▶ Insert the bur gently into handpiece until it stops.
- ▶ Forcefully press the push button with your thumb.
- ▶ Push the bur all the way in until fully seated.
- ▶ Check that the bur is seated by pulling on it.
- ▶ Fully seat all burs completely into the chuck before use.



⚠ WARNING

Do not extend burs.

The bur could fall out and cause injury.

▶ Fully seat all burs completely into the chuck before use.

NOTE: Long fingernails may make bur changing difficult!

5.4 Removing the carbide or diamond bur

⚠ CAUTION	
Hazard from rotating bur. Lacerations. ▶ Do not touch rotating bur!	

5.4 Removing the carbide or diamond bur

⚠ CAUTION

Hazard from push button getting hot.
Burns to patient tissue and damage to chucking system.
- ▶ Never press button while the bur is rotating.

- ▶ Remove the bur from the handpiece after treatment to avoid injury or infection while storing it.
- ▶ After the bur has stopped rotating, press the push-button with your thumb and simultaneously pull out the bur.

6 Reprocessing (Maintenance)

Limitations on Reprocessing

Repeated processing has minimal effect on these instruments. End of life is normally determined by wear and damage due to use. Have the highspeed handpiece inspected and serviced after 300 uses or once per year, whichever occurs first.

Note

Definition of Reprocessing - all necessary steps that must be completed between uses.

6.1 Maintenance at the site of use (chair side)

⚠ WARNING

Hazard from non-sterile products.

There is a risk of infection from contaminated handpieces.

- ▶ Take suitable personal protective measures (i.e. exam gloves, eye protection, 5 µm particulate filter mask).

- ▶ Remove all residual cement, composite or blood without delay.
- ▶ Clean and maintain the handpiece as soon as possible after treatment.
- ▶ Remove the bur from the handpiece.
- ▶ The handpiece must be dry when transported for cleaning and autoclaving.
- ▶ Do not submerge or place it in a solution.

6.2 Cleaning

⚠ CAUTION

Malfunctions from cleaning in the ultrasonic unit.

Ultrasonic cleaning may cause severe damage to the product.

▶ Only clean manually.

6.2.1 Cleaning: Manual cleaning - external

Accessories required:

- Warm tap water
- Brush, e.g. medium-hard toothbrush or comparable nylon-bristled dental instrument cleaning brush

Manual cleaning process:
Handpiece disassembly not required.

- Rinse product under warm flowing tap water to remove gross soil.
- Brush off and rinse under flowing warm tap water to remove all visible soil.
- Use filtered pressurized air to completely dry handpiece. If soil is still visible when dry, repeat the initial cleaning steps.
- Apply Lares One-Step Handpiece Conditioner using the appropriate nozzle by attaching it to the handpiece and applying the conditioner for two seconds over a towel or sink.
- Install a shipping bur in handpiece and operate the handpiece for 45 seconds at full speed to expel excess lubricant.
- Remove excess conditioner from the exterior of handpiece with a towel.
- Remove the shipping bur from the handpiece.
- Cover the product with clean towel.

6.2.2 Cleaning: Automated external cleaning
Not applicable.

6.2.3 Cleaning: Manual cleaning of the inside
Not applicable.

6.2.4 Cleaning: Automated internal cleaning
Not applicable.

6.3 Disinfection

⚠ CAUTION

Malfunctioning from using a disinfectant bath or disinfectant containing chlorine.
Handpiece damage may result.
▶ Never disinfect in a thermo-disinfector or manually.

6.3.1 Disinfection: Manual disinfection - external

Not Applicable

6.3.2 Disinfection: Manual disinfection - internal

Not Applicable

6.3.3 Disinfection: Machine disinfection - external and internal
Not Applicable

6.4 Drying
Manual Drying
▶ Blow off the outside and inside with compressed air until water drops are no longer visible.
Automatic Drying
Not Applicable

6.5 Care products and systems - Servicing

	⚠ CAUTION Sharp burs in the handpiece. Risk of injury from sharp or pointed burs. ▶ Remove bur before servicing.
	⚠ CAUTION Premature wear and malfunctions from improper servicing and care. Reduced product life. ▶ Perform proper care regularly!

Note
Lares Research only guarantees that its products will function properly when the care products used are those listed as accessories, as they were tested for proper use on our products.

6.5.1 Care products and systems - Servicing:
Care with Lares One-Step Handpiece Conditioner

Lares Research recommends applying handpiece conditioner after each time it is used, i.e. after each cleaning and before each autoclave cycle.

- Remove bur.
- Use the appropriate nozzle attached to the handpiece conditioner.
- Insert the nozzle into the back of the handpiece and apply conditioner for two seconds while holding handpiece over a towel or sink.
- Insert a shipping bur in handpiece.
- Operate the handpiece for 45 seconds at full speed to expel excess lubricant.

6.5.1 Care products and systems - Servicing: (Continued)

- Remove excess conditioner from the exterior of handpiece with a towel.
- Remove the shipping bur from the handpiece.
- Cover the product with clean towel.

6.5.2 Cleaning the chuck

- Using knurled base, screw chuck cleaning nozzle onto well shaken can of Lares One-Step Handpiece Conditioner.
- Fully seat the tip of the nozzle into the chuck and maintain slight pressure.
- Direct the nozzle away from your body and towards an absorbent towel or trash can. Depress the One-Step Conditioner can top to spray for a minimum of two full seconds.
- If over-spray on towel appears discolored, spray again for an additional two seconds and repeat until discharge is clean.
- Wipe the excess conditioner from the handpiece with a clean dry towel.

6.5.3 Inspection and Function Testing:
All handpieces: Visually inspect for damage and wear.
Have serviced or discard damaged handpieces.

6.6 Packaging Prior to Autoclaving
Note
The autoclave bag must be large enough for the handpiece so that the bag is not stretched.
The quality and use of the autoclave bag must satisfy applicable standards, be cleared to market and be suitable for the autoclave procedure!

▶ Seal each handpiece individually in an autoclave bag!

6.7 Autoclaving

Process handpieces in an autoclave.

⚠ CAUTION

Premature wear and malfunctions from improper servicing and care.

Reduced product life.

- ▶ Before each autoclave cycle, service the handpiece with Lares One-Step Handpiece Conditioner.

⚠ CAUTION	
Contact corrosion due to moisture. Leaving handpiece in autoclave after cycle has finished may damage the handpiece. ▶ Immediately remove the handpiece from the autoclave after the cycle is completed to reduce condensation!	
⚠ CAUTION	
Do not use Flash Sterilization Techniques. These techniques are not validated for efficacy and damage to the handpiece may result.	

The Lares Research handpiece has a maximum temperature resistance up to 135 °C (275 °F).
Autoclave with gravitation process for at least 15 minutes at 132 °C ± 1 °C (270 °F ± 1.8 °F)

Drying time: 15 minutes minimum.

When autoclaving multiple handpieces in one autoclave cycle ensure that the autoclave's maximum load is not exceeded. Follow the autoclave manufacturer's Instructions for Use.

Alternate validated autoclave cycle.

Forced (dynamic) air removal (pre-vacuum or steam pressure pulse)
Cycle exposure time 4 minutes at 132 °C ± 1 °C (270 °F ± 1.8 °F)
Drying time 30 minutes minimum.

6.8 Storage After Autoclaving

▶ Cleaned and autoclaved handpieces should be stored protected from dust with minimum exposure to germs in a dry and cool space.

Note

The instructions provided above have been validated by Lares Research as being CAPABLE of preparing a handpiece for re-use. It remains the responsibility of the practitioner to ensure that the processing was actually performed using equipment, materials and personnel in the practitioners facility to achieve the desired result. This requires validation and routine monitoring of the process as specified by the autoclave manufacturer. Use only FDA cleared equipment and materials for autoclaving and routine monitoring.

⚠ WARNING

Cross Infection Hazard.

Do not deviate from specified cleaning, autoclaving and storage procedures or patient and staff illness may occur.

7 Troubleshooting

The inconvenience of handpiece downtime can often be avoided by following the common sense problem diagnosis and corrective action procedures that follow. If the problem cannot be corrected using these procedures, return the handpiece directly to Lares Research. (Outside U.S.A. return to your authorized Lares distributor). Do not attempt to perform procedures other than those described.

Safety note: If a serious safety event should occur during operation of this device it should be reported to Lares Research. It should also be reported to the regulatory authorities of the marketing region in which the user/patient is established.

7.1 Water Leak at Swivel Coupler Connection

Replacing the O-rings on the swivel coupling.

⚠ CAUTION	
Hazard from improper care of the O-rings. Malfunctions or complete failure of the handpiece. ▶ Do not use Vaseline or other grease or oil on O-rings.	

Note

The O-ring on the coupling may only be lubricated with Lares One-Step Handpiece Conditioner spray.

- ▶ Press the O-ring between your fingers to form a loop.
- ▶ Push the O-ring to the front, and remove it.
- ▶ Repeat until all O-rings are removed.
- ▶ Insert new O-rings into the grooves and check none are twisted.

7.2 Excessively loud or shrill operating noise or high vibration, chatter.
Bent or damaged bur; replace bur with new one and operate handpiece.

⚠ CAUTION

Hazard from bent, rusted or oversize bur.

Using bent, rusted or oversize burs may cause loud noise or vibration and also may cause bur to be expelled by handpiece.

- ▶ Replace bur if loud noise or vibrations continue during operation.

- ▶ Discard damaged or defective bur.

Worn or damaged bearings.

- ▶ Replace turbine.

7.3 Dry bearings due to lack of lubrication.

▶ Lubricate handpiece with Lares One-Step Handpiece Conditioner.

Hose kinked, twisted or blocked slowing turbine speed.

▶ Straighten hose or replace if blocked.

Worn or damaged bearings.

▶ Replace turbine.

7.4 Bur slips/walks out of chuck during operation.

Using incompatible burs with undersize shank diameters (at or worn below ISO 1.59-1.60 mm).

▶ Visually inspect for wear or damage.

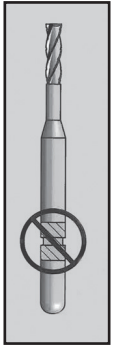
▶ Discard worn burs. Purchase burs with compliant shank diameters.

Using incompatible burs with identifying grooves on the shank.

- ▶ Discontinue use of grooved burs. Purchase burs without identifying grooves.

Chuck is worn from long use.

- ▶ Purchase replacement push button turbine or have handpiece repaired.



7.5 Low rpm and poor cutting power.

Hose kinked, twisted or leaking air; inspect entire length of hose.

- ▶ Straighten hose or replace if leaking.

Insufficient air pressure at handpiece.

- ▶ Check drive air pressure between supply hose and coupler using Lares air pressure gage. Adjust drive air pressure to proper range.

Dry bearings due to lack of lubrication

- ▶ Lubricate with Lares One-Step Handpiece Conditioner.

Worn or damaged bur or diamond.

- ▶ Replace bur or diamond and test cutting power. Discard worn or defective bur.

Turbine contaminated with debris due to dirty air supply.

- ▶ Flush repeatedly with Lares One-Step Handpiece Conditioner.
  Inspect air system dryers & filters for contamination;
  Install air system filtration if not present.

7.6 Intermittent or spitting spray, insufficient spray pattern or poor water atomization.

Insufficient water flow.

- ▶ Adjust water flow valve to increase water flow.

Insufficient atomization.

- ▶ Make sure the chip air on your delivery system is turned on and set to 100 to 220 kPa (14 to 32 psi).

Clogged water or air ports.

- ▶ Clean out water spray ports or diffuser with spray port cleaning tool (cat. no. 10541) included with the handpiece.

Clogged dental unit water or air filters or screens.

- ▶ Inspect and clean or replace clogged filters or screens.

Hose kinked, twisted or leaking.

- ▶ Straighten hose or replace if leaking.

⚠ CAUTION

Hazard from insufficient spray water.

Overheating of the bur and damage to the tooth.

- ▶ Check the spray water channels and clean the spray nozzles with the spray port cleaning tool (cat. no. 10541) if necessary.
- ▶ Do not cut tooth without water spray.

7.7 Handpiece fails to turn freely or engage easily on swivel coupler.

Swivel coupler contaminated with debris or other foreign matter.

- ▶ Clean swivel coupler with alcohol. Dry thoroughly and re-lubricate with Lares One-Step Handpiece Conditioner.

Lack of lubrication

- ▶ Lubricate with Lares One-Step Handpiece Conditioner.

Dented or bent swivel coupler

- ▶ Replace swivel coupler.

Damaged swivel coupler O-rings.

- ▶ Replace O-rings and lubricate coupler.

7.8 Light output not sufficiently white/bright.
Optic light guide output obscured by contamination.

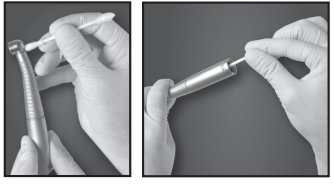
▶ Clean optic light element at front and rear of handpiece and end of swivel coupler with alcohol and cotton swab.

Light source lamp output discolored due to low intensity setting.

▶ Replace source lamp or increase source intensity setting.

Light source beyond service life.

▶ Replace light source bulb or lamp.



REPAIR SERVICE

For factory repair, send your handpiece directly to Lares Research, Attention: Technical Services Department, shipping prepaid (in USA only). For repair outside the USA, send your handpieces to your authorized Lares distributor.

8 Limited Warranty Terms and Conditions

Lares warrants this product to be free of defects and to function properly during the time period specified in the table at right, subject to the following conditions:

Product Family	Warranty Period (from date of purchase)
ProStyle SF	1 Year
Xtreme-Power (XP)	1 Year
Xtreme-Power (XP3)	3 Years
Legacy 5	5 Years
Xtreme-Power (XP5)	5 Years

In case of justified complaints, Lares will honor its warranty with a free replacement or repair performed by trained Lares technicians. Other claims of any nature whatsoever, in particular with respect to compensation, are excluded.

In the event of default, gross negligence or intent, this shall only apply in the absence of mandatory legal regulations to the contrary. Lares will not warranty and cannot be held liable for defects and their consequences that have arisen or may arise from natural wear, improper handling, cleaning or maintenance, non-compliance with operating, maintenance or connection instructions, mineral deposits or corrosion, contaminated air or water supplies or chemical or electrical factors deemed abnormal or impermissible in accordance with Lares' instructions for use or other manufacturer's instructions.

Use of replacement or repair parts not manufactured by Lares Research will void this warranty. No liability is assumed when defects or their consequences are derived from manipulations or changes to the product by the customer or a third party. Service warranty claims will only be accepted when product is submitted directly to Lares Research, attention: Technical Service Department. The serial number must be clearly visible on the product. For warranty repairs outside the USA, contact your local authorized Lares distributor.

Disposal

Prior to disposal, the product must be autoclaved per this instruction.

The Lares handpiece you purchased is a highly calibrated product, designed to function properly only with genuine parts manufactured by Lares. Use of parts not manufactured by Lares is strictly prohibited.

⚠ WARNING

Hazard from non-Lares replacement parts.

Use of non-genuine parts not manufactured by Lares will void the Lares Limited Warranty, and their use may cause malfunction that could lead to serious patient injury.

- ▶ This handpiece performs properly when maintenance and repair are performed with genuine Lares parts installed in accordance with the instructions accompanying the parts.

Please contact Lares or your authorized distributor for all maintenance and repair questions.

9 Replacement Parts and Accessories

Description:	Catalog Number:
Mini Xtreme-Power (XP) Replacement Turbine	11700
Standard Xtreme-Power (XP) Replacement Turbine	11701
557/Mini ProStyle SF Replacement Turbine Cartridge, Ceramic	10005-036
757/Standard ProStyle SF Replacement Turbine Cartridge, Ceramic	10071-036
Handpiece Conditioner (Lubricant), One Step, Aerosol Can	10083
Nozzle For Conditioner, Lowspeed and Electric Attachments	10084
Nozzle For Conditioner, Kavo Swivel Turbines	10085
Head Cap Wrench, Xtreme-Power/ProStyle SF/757/557	10308
Quad Port Spray Diffuser Kit 757/Standard ProStyle SF (includes diffuser, and O-ring)	10341
Quad Port Diffuser Tool	10342
Nozzle For Conditioner, Chuck Cleaning/4/5H/Lowspeed Motor	10361
Head Cap, 757/Standard ProStyle SF, Ceramic	11593
Nozzle For Conditioner, NSK Swivel Turbines	11634
Replacement O-ring Set for NSK Backend Swivel Handpieces	11636
Mini Xtreme-Power (XP) Replacement Head Cap	11703
Standard Xtreme-Power (XP) Replacement Head Cap	11704
Air Pressure Gauge for 4H/5H/6 Pin	13051
Head Cap, 557/Mini ProStyle SF, Ceramic	13360

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