



## CP5-O <with Fiber Optic> Coupling INSTRUCTIONS FOR USE

This instrument is a connection part (coupling) to connect the TWINPOWER TURBINE 4H series and ISO 9168 Type B Coupling, and does not have any performance or availability by itself. In order to utilize the instrument's functions fully and ensure its safe and effective use, read this manual thoroughly before using the instrument and pay close attention to the operating procedures and precautions. Keep this manual at hand for quick reference. For instructions concerning the non-light equipped models, simply ignore the instructions for use of the light.

### Trademarks and Registered Trademarks:

The names of companies, products, services, etc. used in this manual are either trademarks or registered trademarks owned by each company.

The user (e.g., healthcare facility, hospital, clinic, etc.) is responsible for supervising the use and maintenance of medical devices. This instrument must not be used by anyone other than a dentist, doctor or other legally qualified professional.

This instrument must not be used for any purpose other than the provision of dental treatment. Federal law restricts this device to sale by or on the order of a dentist (for U.S.A.).

The following symbols and expressions indicate the degree of danger and harm that could result from ignoring the instructions they accompany:

**WARNING** This warns the user of the possibility of serious injury or death to the patient, damage or complete destruction of the instrument or other valuable property, and fire.

**CAUTION** This warns the user of the possibility of slight or moderate injury to the patient.

### Disclaimer

J. MORITA MFG. CORP. will not be responsible for the following matters, even during the warranty period.  
 1. Malfunction or damage resulting from repairs made by personnel not authorized by J. MORITA MFG. CORP.

- Any unauthorized modifications to its products
- Malfunction or damage resulting from maintenance or repairs carried out using parts or components other than those specified by J. MORITA MFG. CORP.
- Malfunction of or damage to Morita products caused by products made by other manufacturers unless they were supplied by J. MORITA MFG. CORP.
- Malfunction or damage resulting from failure to observe the safety precautions or operating procedures described in these Operating Instructions
- Malfunction or damage resulting from ambient conditions that do not conform to the operating conditions specified in these Operating Instructions, such as an improper electrical power supply or installation environment
- Malfunction or damage resulting from a natural disaster, such as a fire, earthquake, flood or lightning

J. MORITA MFG. CORP. maintains supplies of service parts for 10 years after discontinuation of their production. For the duration of this period, we will supply replacement parts and be able to repair the product.

### Standards and Procedures for the Disposal of Medical Devices

When disposing of this device, it should fall into the category of infectious waste.

The dentist or doctor must confirm that the device is uncontaminated, and must then have it disposed of by a healthcare facility or an agent licensed and qualified to handle standard industrial waste and industrial waste requiring special treatment.

## Specifications

Use this instrument with dental treatment units that conform to IEC 60601-1.

Type	CP5-O
Light Source	Yes
Joint	ISO 9168 Type B Coupling

### CAUTION

- Be sure to follow the input voltage. If it exceeds specifications, the lamp could burn out immediately or its lifetime will become shorter.
- The lamp may burn out more quickly if the dental treatment unit is set for a long fade out time.
- The lamp may burn out more quickly if the dental treatment unit applies and cuts off the voltage suddenly.
- If tubes do not equip cables for the light, they cannot be connected to the models CP5-O.
- This coupling cannot be connected to a 4-hole tube.

## Operating, Transport and Storage Environments

**Operating** Temperature: +10 °C to +40 °C (+50 °F to +104 °F)  
 Humidity: 30% to 75% (without condensation)  
 Atmospheric Pressure: 70 kPa to 106 kPa

**Transport and Storage** Temperature: 10 °C to +70 °C (+14 °F to +158 °F)  
 Humidity: 10% to 85% (without condensation)  
 Atmospheric Pressure: 70 kPa to 106 kPa

- \* Do not expose the coupling to direct sunlight for an extended period of time.
- \* The useful life of the coupling is 4 years from the date of installation provided it is regularly and properly inspected and maintained.

## Symbols

[Some symbols may not be used.]

Serial Number	GS1 DataMatrix	Manufacturer
Temperature limitation	Humidity limitation	Atmospheric pressure limitation
Refer to instructions for use		

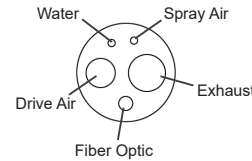
## Accessories

Wrench (Qty: 1) Cord No. 5011831		O-ring Set (Qty: 1) Cord No. 5811835	
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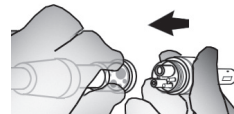
## Before Use

Check the following items:

- Connection end of the tube matches the coupling.



## 1. Connect Coupling



Line up the projections on the coupling with the indentations in the tube and then tighten up the cover nut.

### CAUTION

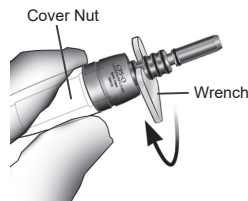
- Before connection, make sure the tube connector is clean and free of debris.
- The light will lose its brightness if the end of the fiber optic cable is scratched or otherwise damaged by being dropped for instance.

Hold the cover nut and tighten the coupling securely with the wrench provided.

### CAUTION

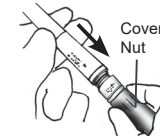
- Make sure the coupling is properly secured. Otherwise, it could result in air or water leakage, or damage the handpiece and dental treatment unit.

\* Before using right after purchase, or if handpiece insertion/removal becomes tight, apply a small amount of the MORITA MULTI SPRAY to the O-rings of the instrument.



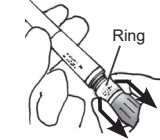
## 2. Handpiece Connection

### Insertion



Hold the cover nut, and slide the handpiece straight onto the coupling until it clicks securely into place.

### Removal



Push down the ring in the direction of the arrows as shown in the illustration.

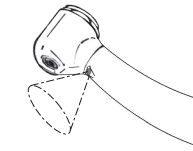
## 3. Cleaning

Wipe the outside cover with ethanol (70 vol% to 80 vol%).

### CAUTION

- Coupling must NOT be autoclaved or cleaned ultrasonically.
- The coupling could be damaged if it is soaked in ethanol (70 vol% to 80 vol%) or cleaned with a strong, corrosive solution.
- (For USA) Do not use isopropyl alcohol.
- Clean both ends of the light guide if the light seems to have lost its brightness.

## 4. Light Function Test

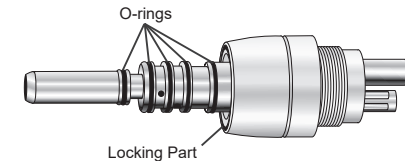


Put the handpiece back on its tube, step on the pedal and make sure the light comes on.

### WARNING

- Do not let the light strike anyone directly in the eye; this might impair one's vision.

## 5. O-ring Replacement



Replace the O-rings if air or water starts leaking from the connection. After replacement, apply a small amount of the MORITA MULTI SPRAY to the O-rings of the instrument.

### WARNING

- Replace all five O-rings at the same time and make sure that there is no debris or broken pieces of the old O-rings. If something remains at the locking part, the tube could detach suddenly due to air pressure and cause physical injury.

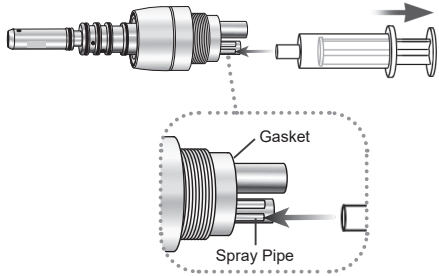
### CAUTION

- Using any kind of lubricant other than the MORITA MULTI SPRAY could cause the O-rings to swell up and make it hard to put the handpiece on and take it off.

## 6. Replace One-way Spray Valve

### Inspect One-way Valve

\* If the one-way valve is defective, cutting debris and contaminated matter could get inside the tube. Inspect the one-way valve at least once a month.

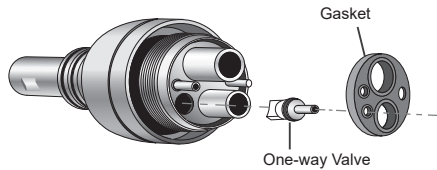


Cover the spray pipe with the end of a plastic disposable syringe with the needle removed. Press the end of the syringe flush against the gasket on the coupling so that it is air tight. Pull the plunger out slightly and see if it sucked back towards its original position. If it does not move back at all, the one-way valve must be replaced.

### ⚠ CAUTION

- The end of the syringe must be pressed firmly against the gasket so that air cannot leak into the syringe. Otherwise the plunger will not go back even if the one-way valve is working normally.

### Replacement



Take off the gasket with a needle. Take out the one-way valve. Slide a new valve into place. Put the gasket back on in its original position.

### ⚠ CAUTION

- Do not damage the part of the gasket that bunches up against the spray pipe as it is required to make an effective seal.
- If the gasket is not put on right, the coupling could malfunction.

## 7. Replacement Parts

Replace parts as necessary based on the degree of wear and length of use. Order parts from your local dealer or J. MORITA OFFICE.

O-ring set	One-way Valve	Gasket
Code No. 5811835	Code No. 5811837	Code No. 5810410

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