



**CP4-O <with light> Coupling**  
**CP4 <without light> Coupling**  
**CP4-WO <with light and Spray Control> Coupling**  
**CP4-W <with Spray Control and without light> Coupling**  
**Operation Instructions**

This instrument is a connection part (coupling) to connect the TwinPower Turbine 4H series and ISO 9168 Type 3(C) tube, 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.

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.
2. Any unauthorized modifications to its products
3. Malfunction or damage resulting from maintenance or repairs carried out using parts or components other than those specified by J. MORITA MFG. CORP.
4. Malfunction of or damage to Morita products caused by products made by other manufacturers unless they were supplied by J. MORITA MFG. CORP.
5. Malfunction or damage resulting from failure to observe the safety precautions or operating procedures described in these Operating Instructions
6. 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
7. 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

If there is a possibility that a medical device is contaminated, the dentist or doctor responsible for the patient's treatment must confirm that it 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	CP4-O	CP4-WO	CP4	CP4-W
Spray Control	No	Yes	No	Yes
Light Source	Yes		No	
Joint	ISO 9168 Type 3(C) (Models without light do not have electrical contacts.)			
Input Voltage	AC/DC 3.3 V ±0.05 V (for coupling contacts)			
Rated Input	Max.2.4 VA		—	
IP Code	IPX0		—	

**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 CP4-O and CP4-WO.

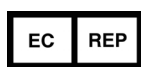
**Operating, Transport and Storage Environments**

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 service life (useful life) of the coupling will be 4 years (based on self-certification) only if maintenance and inspections are properly performed following its manufacture and shipping.

**Symbols**



EU authorized representative under the European Directive 93/42/EEC



Serial number  
 E.g., G00001  
 ①  
 E.g., H630G00001K  
 ①  
 ①Year of Manufacture (G: 2018, H: 2019...)



Manufacturer



Refer to instructions for use



Temperature limitation



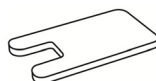
Humidity limitation



Atmospheric pressure limitation

**Accessories**

Wrench  
 Cord No. 5011831

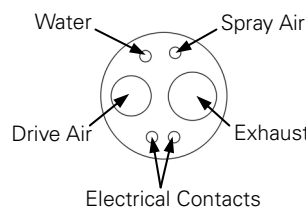


O-ring set  
 Cord No. 5811835

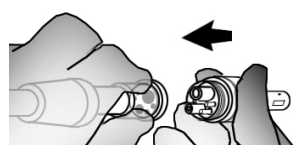


**Before Use**

- Check the following items:
- Connection end of the tube matches the coupling.
  - The input voltage is correct (see Specifications).



**1. Connect Coupling**



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

**CAUTION**

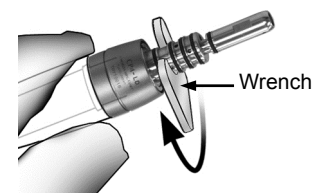
- Before connection, make sure the tube connector is clean and free of debris.

Tighten securely with the wrench provided.

**CAUTION**

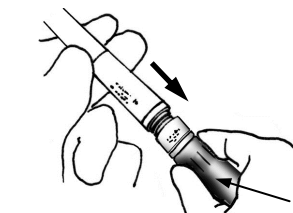
- Air or water may leak if the coupling is not tightened up enough with the wrench.

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



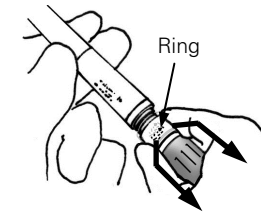
**2. Handpiece Connection**

**Insertion**



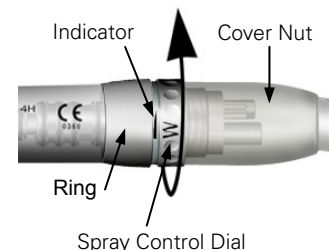
Hold the cover nut, and slide the handpiece straight onto the coupling until it clicks securely into place.

**Removal**



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

**3. Spray Adjustment (CP4-W, CP4-WO)**



Turning the dial in the direction indicated by the arrow in the illustration will gradually reduce the amount of spray and then reach 0. For maximum spray, continue the turning the dial until the "W" matches up with the indicator. (See illustration.)

**WARNING**

- Hold the cover nut to adjust the amount of spray. The handpiece could come off its connection and injure someone if it is held by the ring part.
- Do not operate the TwinPower Turbine handpiece without emitting the water spray. Otherwise, this could burn the tooth.

**CAUTION**

- If the coupling is not tightened up enough with the wrench, the connection part get loose and air or water may leak when turning the spray control dial.

**4. Cleaning**

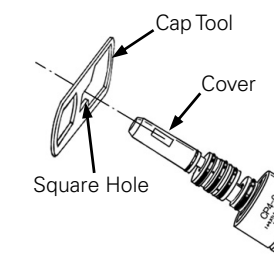
Wipe the outside cover with Ethanol for Disinfection (Ethanol 70 to 80 vol%).

**CAUTION**

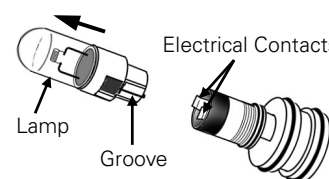
- Coupling must NOT be autoclaved or cleaned ultrasonically.
- The coupling could be damaged if it is soaked in Ethanol for Disinfection (Ethanol 70 to 80 vol%) or cleaned with a strong, corrosive solution.
- (For USA) Do not use isopropyl alcohol.

**5. Lamp Replacement**

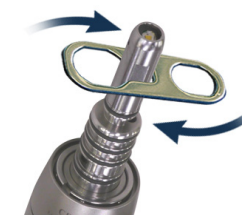
- \* Use the lamp that is specially designed for this coupling.



Turn the dental treatment unit's main switch off. Make sure the cover has cooled off and then remove it using the square hole in the cap tool.



Take the lamp out of its socket. Line up the electrical contacts with the groove on the new lamp and push it all the way in.



Screw the cover back on with your fingers and then tighten it up with the square hole in the cap tool.

**WARNING**

- Make sure the cover is properly tightened up. If it is loose, the handpiece cannot be connected to the coupling securely and air pressure could cause the tube to suddenly disconnect, and this could injure the patient.

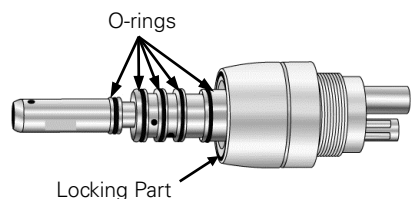


Put the handpiece back on its tube, step on the pedal and make sure the lamp lights up.

**WARNING**

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

## 6. O-ring Replacement



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

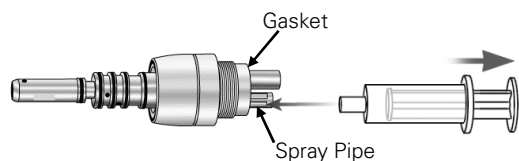
### ⚠ CAUTION

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

## 7. 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.

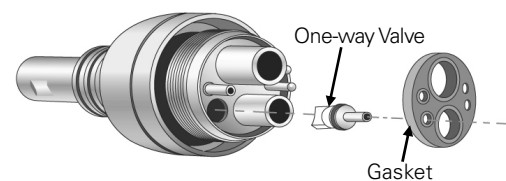


Cover the spray pipe with the end of a plastic disposable syringe with the needle removed. Press the end of the syringe flush against the gasket on the coupling so that it is air tight. Pull the plunger out slightly and see if it sucked back towards its original position. If it does not move back at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

## 8. 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	Cartridge Lamp	One-way Valve	Gasket (CP4-O, CP4-WO)	Gasket (CP4, CP4-W)
Code No. 5811835	Code No.5011570	Code No.5811837	Code No.5811838	Code No.5811831

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