

TORQTECH Operation Instructions

CA-5IF-O
Geared Contra Angle Handpiece Attachment



Thank you for purchasing a TORQTECH geared contra angle motor handpiece attachment. This instrument is intended for drilling and polishing teeth and dental prosthetics. For optimum performance, efficiency, avoiding hazards, preventing patient injury, and safety, read the instruction manual thoroughly before use, and follow all cautionary remarks and usage instructions. Keep this manual in a handy place for ready reference.

Notice to Protection of Intellectual Property Rights	DE PAT. APPLN. 102011016518	JP PAT. 5785929	CN DESIGN 201330418479.7	JP DESIGN 1460530
	DE PAT. APPLN. 102012000437	JP PAT. 5796120	CN DESIGN 201330418707.0	JP DESIGN 1483164
	US PAT. APPLN. 2012/189979	JP PAT. 5813197	EU DESIGN 2294926	JP DESIGN 1483165
	US PAT. APPLN. 2012/250562	JP PAT. 5820637	US DESIGN 714442	
	JP PAT. 5645447	JP PAT. 5856945	US DESIGN 714443	
	JP PAT. 5785790	JP PAT. 5871484	JP DESIGN 1420870	

The user (i.e., 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.

⚠ NOTE This warns the user of the possibility of slight or moderate injury to the patient.

ⓘ (Usage Note) This alerts the user of important points concerning operation of the instrument or the risk of damage to it.

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.

- * Replacement parts and consumable parts are described in the Regular Inspection List. Replace parts as necessary based on the degree of wear and length of use.
- * Motor usage and handling: Read all instruction materials thoroughly before use and follow all cautionary remarks and usage instructions.

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.

Maintenance and Inspection

- * This instrument should be inspected every 3 months in accordance with the Regular Inspection List.
- * Maintenance and inspection are generally considered to be the duty and obligation of the user, but if, for some reason, the user is unable to carry out these duties, he may rely on a qualified medical device serviceman. Contact your local dealer or J. MORITA OFFICE for details. Inspect the following items: 1. Motor connection. 2. Bur and point insertion. 3. TORQTECH rotation, spray and light. 4. Overheating.
- * For repairs, contact J. MORITA OFFICE or your local dealer.

Service and Contacts

TORQTECH may be repaired and serviced by

- The technicians of J. MORITA's subsidiaries all over the world.
- Technicians employed by authorized J. MORITA dealers and specially trained by J. MORITA.
- Independent technicians specially trained and authorized by J. MORITA.

For repairs or other types of service, contact your local dealer or J. MORITA OFFICE.

Development and Manufacturing

J. MORITA MFG. CORP.

680 Higashihama Minami-cho,
Fushimi-ku, Kyoto 612-8533, Japan
T +81. (0)75. 611 2141, F +81. (0)75. 622 4595

Morita Global Website www.morita.com

Distribution

J. Morita Corporation

3-33-18 Tarumi-cho, Suita-shi, Osaka 564-8650, Japan
T +81. (0)6. 6380 1521, F +81. (0)6. 6380 0585

J. Morita USA, Inc.

9 Mason, Irvine CA 92618, USA
T +1. 949. 581 9600, F +1. 949. 581 8811

J. Morita Europe GmbH

Justus-von-Liebig-Strasse 27a, 63128 Dietzenbach, Germany
T +49. (0)6074. 836 0, F +49. (0)6074. 836 299

Morita Dental Asia Pte. Ltd.

3 Science Park Drive,
#01-05 The Franklin Singapore Science Park1, Singapore 118223
T +65. 6779. 4795, F +65. 6777. 2279

J. Morita Corporation Australia & New Zealand

Suite 2.05, 247 Coward Street, Mascot NSW 2020, Australia
T +61. (0)2. 9667 3555, F +61. (0)2. 9667 3577

EU Authorized Representative under the European Directive 93/42/EEC

MEDICAL TECHNOLOGY PROMEDT CONSULTING GmbH

Altenhofstraße 80, 66386 St. Ingbert, Germany T +49.6894 581020, F +49.6894 581021

The authority granted to the authorized representative, MEDICAL TECHNOLOGY PROMEDT Consulting GmbH, by J. MORITA MFG. CORP. is solely limited to the work of the authorized representative with the requirements of the European Directive 93/42/EEC for product registration and incident report.

J. Morita Corporation Middle East

4 Tag Al Roasaa, Apartment 902, Saba Pacha 21311 Alexandria, Egypt
T +20. (0)3. 58 222 94, F +20. (0)3. 58 222 96

J. Morita Corporation India

Filix Office No.908, L.B.S. Marg, Opp. Asian Paints,
Bhandup (West), Mumbai 400078, India
T +91-22-2595-3482

J. MORITA MFG. CORP. Indonesia Representative Office

28F, DBS Bank Tower, Jl. Prof. Dr. Satrio Kav. 3-5, Jakarta 12940, Indonesia
T +62-21-2988-8332, F + 62-21-2988-8201

Siamdent Co., Ltd.

71/10 Mu 5, Thakham, Bangpakong, Chachuengsao 24130, Thailand
T +66. 38. 573042, F +66. 38. 573043 www.siamdent.com

Warnings and Notes

⚠ WARNING

- In cases of tooth extractions, split teeth, endodontic treatment etc. or incision or open wounds in soft tissue, care must be taken that air emitted from the TORQTECH does not cause a subcutaneous emphysema.
- Always use with spray water; otherwise the head, push button or cap could overheat and cause a burn.
- Never use the TORQTECH with no or too little cooling air; this could cause it to heat up and possibly burn the doctor's hand or the patient's mouth.
- Do not use the TORQTECH if the head, push button or cap get too hot. The whole TORQTECH could heat up and burn your fingers. The moving parts are probably malfunctioning and you should have the TORQTECH repaired immediately.
- If a bur wobbles, take it out and replace it with new one. If the new one also wobbles, the head, push button or cap could overheat. Stop using the attachment immediately and have it repaired.
- Operate the TORQTECH outside the oral cavity before use and make sure that burs or points do not wobble, that there is no abnormal noise or vibration, that the head, push button or cap do not overheat, and that rotation speed, direction etc. are normal. If something is wrong, do not use the TORQTECH and have it repaired.
- If a bur or point comes out during use, stop using the TORQTECH immediately and have the TORQTECH repaired.
- Never use a bur or point to pull up on a metal crown or other metal piece. This is very dangerous; the bur or point could come out and injure the patient or be swallowed.
- Always use spray and a soft (feather), intermittent touch to avoid injury to the pulp.
- Wait for the bur to stop rotating before taking the TORQTECH out of the oral cavity.
- To avoid cutting your finger etc., wait until the TORQTECH has completely stopped rotating before inserting or removing a bur or point.
- Do not try to force the TORQTECH into a space if the patient cannot open his mouth wide enough. You might inadvertently press the push button up against the teeth opposite the working area, especially in molar regions. If the push button is pressed during rotation, the head, push button or cap could overheat and damage the pulp of the teeth opposite the treatment area or the instrument might burn the inside of the oral cavity or the dentist's fingers.
- If the TORQTECH is used with defective bearings or other moving parts, the head, push button or cap could overheat and cause a burn. Do not use the TORQTECH if rotation speed is too slow or produces any unusual vibration.

⚠ NOTE

- Wear safety glasses to prevent injury to your eyes.
- Never switch rotation direction from forward to reverse or vice versa while the motor is actually running.
- Remove burs and points before returning the TORQTECH to its holder in the treatment unit; otherwise, there is a risk of injury or damage.
- Do not press the push button until the TORQTECH has come to a complete stop; otherwise, the back of the button could wear out and a bur could accidentally come out.
- Crown removal and other similar operations produce considerable vibration and can cause the bur to get stuck in the TORQTECH. Avoid this by frequently taking the bur out and putting it back in again. If a bur gets stuck, do not try to take it out with a pair of pliers or other forceful means; this could damage the chuck and create a risk of a bur coming out during operation. Contact J. MORITA OFFICE and have the TORQTECH repaired.
- If the TORQTECH makes abnormal noise or vibrates too much take out the bur or point, and replace it with a new one. If the same problem persists, have the TORQTECH repaired.
- Follow all recommendations of the bur manufacturer concerning bur rotation speed and direction.

Specifications

[Specifications may be changed without notice due to improvements.]

Geared Contra Angle Handpiece Attachment	
Type	CA-5IF-O
Rotation Speed Ratio	1 : 5 (increasing)
Maximum Motor Speed [rpm]	42,000
Length [mm]	94
Weight [g]	68
Usable Burs ^{*1}	Shank Type 3 (FG)
Chuck Type	Push Button
Cooling Air Flow [NL/min]	Minimum 6 (from motor)
Spray Flow [ml/min]	Minimum 50 (for 0.2 MPa instrument pressure)
Tip Air Flow [L/min]	Minimum 1.5 (for 0.2 MPa instrument pressure)
Connection Type	Conforms to ISO 3964 and DIN 13940
Connectable Motors	Conforms to ISO 13294 and ISO 11498
Usable Bur Length [mm]	12
Usable Bur Diameter [mm]	1.590–1.600
Maximum Bur Length [mm]	22
Maximum Working Area Diameter [mm]	2

Use burs that conform to ISO 1797-1^{*1}

- ❗ Always use burs and points with clean shanks; dirty shanks cause the chuck to wear out more quickly and lose its gripping power.
- ❗ Some bur detergents contain components that cause metals to rust. Be sure to wash away the bur detergent before inserting a bur or point into the chuck.
- ❗ Diamond points are easily bent. Even new burs and points are sometimes poorly balanced: if a bur makes a loud, metallic noise during rotation, stop using it.

*1 If any bur detergent, dust, or other foreign matter enters the chuck, contact your local dealer or J. MORITA OFFICE to request an inspection.

⚠ WARNING

- Never use the types of burs or points described below. Using such burs or points is extremely dangerous as they may become detached and cause injury to the patient's oral cavity or be swallowed by the patient.
Those which do not conform to ISO standards. Those with scratched or bent heads or shanks. Those which are rusty, chipped or broken. Those which have been modified or altered such as those having shortened shanks.

⚠ NOTE

- When using welded or blazed burs or points, ensure that the bur tip does not wobble.

Operating and Storage Conditions

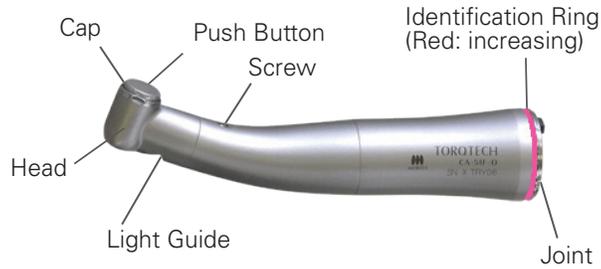
Use and store the TORQTECH under the following conditions.

Operating Temperature: 10–40°C (50–104°F); Humidity: 30–75% RH (without condensation); Atmospheric pressure: 700–1,060 hPa

Storage Temperature: -10–70°C (14–158°F); Humidity: 10–85% RH (without condensation); Atmospheric pressure: 700–1,060 hPa

- * Do not expose the TORQTECH to direct sunlight for an extended period of time.
- * If the TORQTECH will not be used for an extended period of time, store it in a clean, dry place after autoclaving it.
- * The service life (useful life) of the TORQTECH will be seven years (based on self-certification) only if maintenance and inspections are properly performed following its manufacture and shipping.

Parts Identification



Accessories

Spray Nozzle



(Ethanol disinfectable)

Spray Hole Wire



(Autoclavable)

Chuck Tester (lime green)



(Ethanol disinfectable)

- * For parts that wear out and need periodic replacement, refer to the Inspection Items and replace parts whenever necessary.

Symbols



CE (0197) marking
Conforms with the European Directive, 93/42/EEC.
CE marking
Conforms with the European Directive, 2011/65/EU.



Manufacturer
(Operation Instructions only)



Autoclavable up to 135°C (275°F)



Authorised representative in the
European Community
(Operation Instructions only)



Supports high-temperature cleaning and disinfection.

1. Before Use

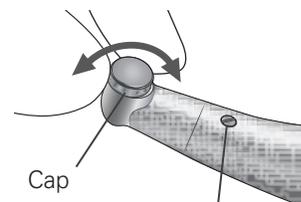
- * The TORQTECH is not sterilized before shipping. It must be autoclaved before it is used for the first time.

Pre-use inspection: Check for the following before using the TORQTECH.

- Cap, body and screw tightness
- No gap between cap and head
- Light guide is not chipped, cracked or sticking out
- No conspicuous corrosion around the chuck opening
- No dirt or scratches etc. on the joint
- No bent or deformed components
- Motor connects properly and securely. Motor runs smoothly when foot control is depressed. Spray is emitted normally. No air or water leakage from motor joint. No abnormal noise or vibration. Head, push button and cap do not overheat.

If an abnormality is found, refrain from using the TORQTECH and have it professionally repaired.

Make sure cap is not loose.

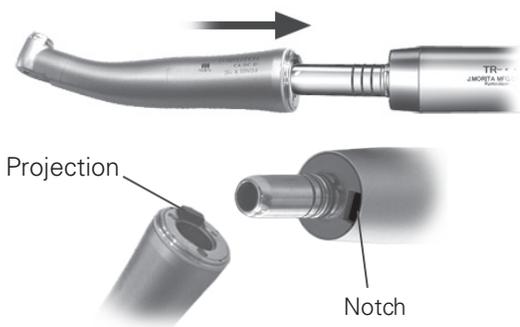


Make sure this screw is in place and tightened up properly.

⚠ WARNING

- Do not use if cap, body or screw is loose.
- If the cap is loose, worn, or damaged, it could come off inside the oral cavity.
- Do not use the TORQTECH if the head or body is bent, warped or otherwise deformed or damaged.

2. Motor Connection



Push the TORQTECH straight onto the motor's connection cylinder until you hear it snap into place. (The light will not turn on at this time.) Then turn the TORQTECH until the projection on it lines up with the notch in the motor. There will be a click when the projection and notch line up.

- * Refer to the user manual for the motor.
- * Make sure the O-rings on the motor's connection cylinder are OK.

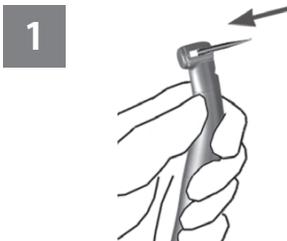
⚠ WARNING

- Give the TORQTECH a light tug before using it to make sure it is securely connected.
- Wait for the motor to come to a complete stop before connecting or disconnecting the TORQTECH.
- Do not use any type of motor other than it conforms to ISO 13294 or ISO 11498.

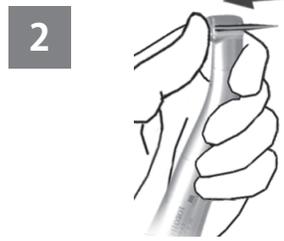
- ⚠ Do not connect the TORQTECH to a motor that rotates faster than 40,000 rpm.
- ⚠ Check that there is no dust or other debris on the motor's connection cylinder. The TORQTECH might malfunction if there is.
- ⚠ Do not expose the TORQTECH to strong physical shocks such as by dropping it or swinging it against the chair when it is connect to its tube. This could cause it to malfunction or damage the light guide.
- ⚠ This TORQTECH cannot be connected to a motor that does not have a light.

3. Inserting and Removing Burs and Points

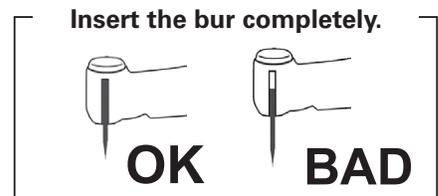
< Insert >



Take care to insert the bur or point straight all the way in.



Hold the button down and push the bur or point all the way in. It's easiest to hold the button down if you put your index finger where the head joins the body.



< Remove >

Hold the push button down firmly and pull the bur or point straight out.

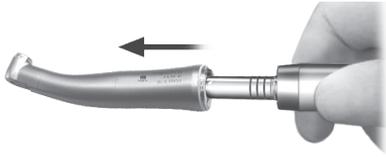
⚠ WARNING

- Always insert burs and points all the way in and give them a light tug to make sure they will not come out. Otherwise, a bur or point could come out and injure the patient or be swallowed.
- Wait for the TORQTECH to completely stop rotating before inserting or removing a bur or point.

⚠ NOTE

- Protect your fingers from being cut by wearing gloves whenever you put in or take out a bur or point.

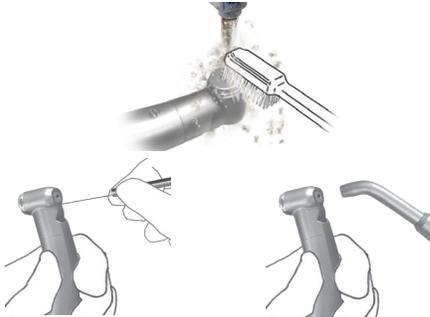
4. After Use



Take out the bur or point and disconnect the TORQTECH from the motor.

- * Refer to the user manual for the motor.
- * It may be hard to remove a bur or point if it is left in the TORQTECH.

5. Cleaning



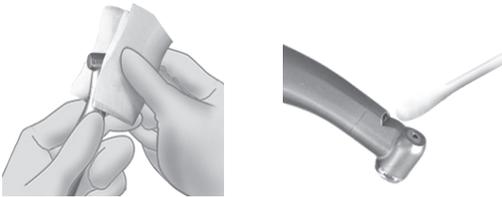
Clean drilling and polishing debris off the head with a brush and running water.

If the spray holes are clogged with drilling debris or water impurities, clean them out with the wire provided.

After cleaning dry it off by blowing it with air from the syringe.

- ❗ Do not perform ultra sonic cleaning.

6. Disinfection



Wipe the TORQTECH with a piece of gauze that has been dampened with Ethanol for Disinfection (ethanol 70 to 80 vol%) and wrung out thoroughly. Clean the end of the light guide if the light seems to be dim.

- ❗ Do not use anything except ethanol. Do not use too much ethanol; it could seep inside and damage the TORQTECH.
- ❗ Rotation and spray delivery will be impaired if debris gets inside the water or air lines.
- ❗ Do not immerse the TORQTECH in or wipe it with any of the following: functional water (acidic electrolyzed water, strong alkaline solution, and ozone water), medical agents (glutaral, etc.), or any other special types of water or commercial cleaning liquids. Such liquids may result in metal corrosion and adhesion of the residual medical agent to the TORQTECH.



Operating conditions for high-temperature washer-disinfectors

- * When using a high-temperature washer-disinfector to clean the TORQTECH, strictly adhere to the conditions specified below.

High-temperature cleaning conditions

Unit Name	Mode	Detergent (concentration)	Neutralizer* (concentration)	Rinse (concentration)
Miele G7881	Vario TD	neodisher mediclean (0.3 - 0.5%)	neodisher Z (0.1 - 0.2%)	neodisher mieclear (0.02 - 0.04%)

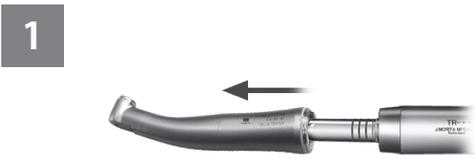
- * After cleaning there may be streaks or white spots on the TORQTECH. Use a neutralizer only if there are streaks or white spots.

Operating Precautions

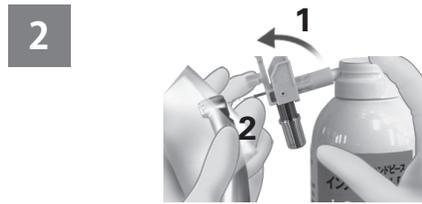
- Always use a handpiece holder when washing the TORQTECH, making sure to rinse the inside of the TORQTECH thoroughly.
 - If any medical agent remains inside the TORQTECH, it may corrode or clog the air or water pipe, resulting in a malfunction of the TORQTECH.
 - For details on handling medical agents or adjusting their concentration, refer to the user manual for the washing device.
 - After washing is complete, check to see if the TORQTECH, including its inside, is completely dry. If any water remains inside the TORQTECH, expel it with an air gun or another such tool. Failure to do so could result in the remaining water coming out during use and cause poor lubrication or sterilization.
 - Always lubricate the TORQTECH after washing.
- ⚠ Inappropriate cleaning methods and solutions will damage the TORQTECH.
- ⚠ Do not clean the TORQTECH using strong acidic or alkaline solutions that could cause the metal to corrode.
- ⚠ Do not leave the TORQTECH inside the high-temperature washer-disinfector.

7. Lubrication

Lubricate with the LS Spray (sold separately) before autoclaving and after morning and afternoon treatment sessions.



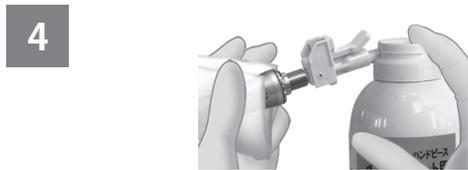
Remove the bur or point and take the TORQTECH off the motor.



Screw the nozzle onto the LS Spray can and then lift up the lever on it. Insert the nozzle into the chuck and spray for about 2 seconds.



Push the lever back down.



Insert the nozzle into the connection end of the TORQTECH, hold it firmly and then spray for about 2 seconds.

⚠ WARNING

- Do not point the LS Spray can at anyone.
- Do not use the spray in a closed space without proper ventilation. Open windows and turn on exhaust fans to make sure the room is well ventilated.
- Do not get the spray in your eyes. If you accidentally get it in your eyes, wash your eyes with plenty of water and see a doctor.
- Do not get the spray on your skin. If it gets on your skin, wash it off with soap and water.
- If used in a sink or other enclosed space, a flammable mist could permeate the air; keep the area free of open flames or other ignition sources.

- ⚠ The TORQTECH will fail if it is not lubricated with the LS Spray regularly.
- ⚠ Do not use any lubricant except the LS Spray. Other lubricants will cause the connection O-rings to swell and make it difficult to connect and disconnect. Absolutely never use AC Cleaner, which is for air bearings. If you do, the bearings will burn out as soon as the TORQTECH is rotated.
- ⚠ The head could get quite cold if the spray is applied for more than 5 seconds. In this case, wait awhile before operating the TORQTECH; otherwise the bearings could be damaged.
- ⚠ Always use the LS Spray bottle in an upright position. Use only the special spray nozzle provided.
- ⚠ Insert the spray nozzle straight into the chuck and pull it straight out.

8. Removing Excess Oil



1 Put an air nozzle (motor accessory) on the end of a three-way syringe.



2 Put the nozzle in the connection end of the TORQTECH and blow air through it for 20 or 30 seconds. Wipe off the oil that gets on the surface of the TORQTECH with a piece of gauze.

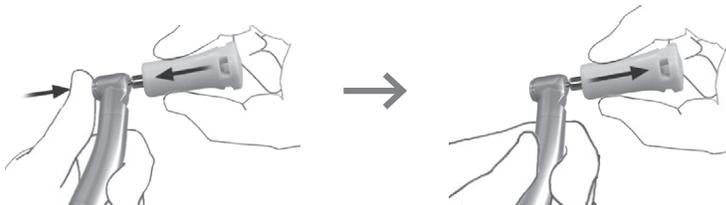


3 Connect the TORQTECH to the motor, point the head down, and run the motor for about 30 seconds. Use a piece of gauze to wipe off any oil that gets on the outside of the TORQTECH.

⚠ NOTE

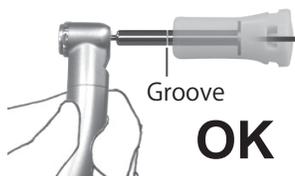
- After lubricating the TORQTECH, do not fail to remove excess oil. The motor could malfunction if any oil get inside of it. Also excess oil inside the TORQTECH could cause it to overheat.

9. Chuck Grip Test



Insert the chuck tester. Hold down the push button and push the chuck tester all the way in and then release the button. Carefully pull the tester until the groove is visible.

If you see a groove



Chuck grip is normal

Stop pulling on the tester, hold the button down and then pull the tester out of the chuck.

If you do not see a groove and the tester comes out



Chuck grip is weakened

Lubricate the chuck with the LS Spray and test it again.

⚠ WARNING

- Test the chuck's gripping strength at least once a day or whenever it seems to have lost strength. If the chuck does not pass the test, do not use the TORQTECH. If cleaning and lubrication with the LS Spray does not solve the problem, have the TORQTECH repaired.

10. Packing and Sterilization



Put in sterilization pouch and autoclave.



Recommended autoclaving conditions:

134°C (273.2°F), 6 minutes minimum with a sterilization pouch,
121°C (249.8°F), 60 minutes minimum with a sterilization pouch

- * Autoclaving and drying temperatures must not exceed 135° C (275° F)
- * Minimum drying time after sterilization: 10 minutes.

⚠ WARNING

- To prevent the spread of serious, life-threatening infections such as HIV and hepatitis B, the TORQTECH must be autoclaved after finishing the treatment of each patient.

⚠ NOTE

- Instruments are extremely hot after autoclaving; do not touch them until they cool off.
- ❗ Do not sterilize the TORQTECH by any method other than autoclaving.
- ❗ Remove the bur or point before autoclaving.
- ❗ Failure to clean and lubricate the TORQTECH before autoclaving will lead to a malfunction of the TORQTECH.
- ❗ The sterilization and drying temperatures must not exceed 135°C (275°F). A drying temperature in excess of 135°C (275°F) will result in contamination of the TORQTECH or cause it to malfunction.
- ❗ High autoclave temperatures can damage the O-rings etc. Keep the TORQTECH from directly contacting heat sources or the inside of the autoclave by putting it into a sterilization pouch.
- ❗ Do not leave the TORQTECH in the autoclave.

11. Troubleshooting

Before inspecting or adjusting the TORQTECH, make sure the main power switch is turned on and that the main air and water valves are open. If the TORQTECH does not work properly even after inspection and adjustment, contact your local dealer or J. MORITA OFFICE and have it repaired.

◆ Cannot insert burs or points

Make sure the bur or point is OK. Lubricate the TORQTECH with the LS Spray (sold separately). If this does not solve the problem, have the TORQTECH repaired.

◆ Poor rotation

Make sure motor is properly connected to its tube.
Take the TORQTECH off the motor and step on the foot pedal to see if the motor runs.

If motor runs normally

Connect the TORQTECH securely to the motor and step on the foot control to see if the bur rotates. If it doesn't have the TORQTECH repaired.

If the motor doesn't run normally

Refer to the user instructions for the motor.

◆ Poor water delivery

Take the TORQTECH off the motor and step on the foot pedal to see if water comes out of the motor joint.

If water comes out

Check the o-ring on the motor joint. Replace it if it is worn or damaged and coat it with oil. If the o-ring is OK, clean out the air and water holes on the TORQTECH. Also take out the water filter and clean it. (See diagram at right.) If the spray still doesn't work, have the TORQTECH repaired.



If water doesn't come out

Refer to the user instructions for the motor.

◆ Overheating

Make sure flows for cooling air and spray are up to specifications. Also make sure the motor is operating properly.

TERMS AND CONDITIONS

J. MORITA MFG. CORP. warrants the Product as follows:

- Warranty Term.**
J. MORITA MFG. CORP. warrants that the Product will be free from defects in materials and workmanship for 12 months.
- Items Not Covered by Warranty.**
This Warranty will not cover parts of the Product or consumables which normally need to be replaced such as glass or rubber components, and the like. Further, this warranty will not cover defects or damage caused by:
 - Failure to operate or use the Product in accordance with the Operation Instructions or warning/cautionary labels.
 - Modifications of the Product, connecting the Product to other products, or using components or replacement parts not specified or approved by J. MORITA MFG. CORP.
 - Repairs performed by parties not designated by J. MORITA MFG. CORP.
 - Accidents or forces outside of J. MORITA MFG. CORP.'s control, such as dropping the Product or collision of the Product with other objects, fire, flood, natural disaster, etc.
 - Use or operation of the Product in settings or under conditions not specified by J. MORITA MFG. CORP. or set forth in the Operation Instructions including, without limitation, unauthorized changes in equipment settings, connection to unauthorized devices.
- Remedies of Customer.**
Customer must present this Warranty when claiming coverage or application thereof, and either ship or deliver the Product to an authorized location of J. MORITA MFG. CORP. or its subsidiaries or authorized dealers. Upon receipt and verification of this Warranty, inspection of the Product, and determination of coverage by this Warranty, J. MORITA MFG. CORP. will, at its sole option, supply the parts or components either replaced or repaired free of charge to the Customer. Delivery and shipping charges are the responsibility of the Customer.
- LIMITATIONS AND EXCLUSIONS FROM WARRANTY.**
The remedy set forth in paragraph 3 is the sole and exclusive remedy of Customer. J. MORITA MFG. CORP. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES AND SPECIFICALLY EXCLUDES ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL J. MORITA MFG. CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL, DIRECT OR INDIRECT, OR SPECIAL DAMAGES OF ANY KIND INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF REVENUE, LOSS OF BUSINESS OR BUSINESS OPPORTUNITY, OR OTHER SIMILAR FINANCIAL LOSS ARISING OUT OF THE PERFORMANCE, USE OR INTERRUPTED USE OF THE PRODUCT.
- Repairs Not Covered by Warranty.**
With respect to repairs not within the period of this Warranty or otherwise not covered by this Warranty, J. MORITA MFG. CORP. will perform the same, timely, efficiently, and for an appropriate cost.

12 Months