

# HENRY SCHEIN®

## MAXIMA T-STYLE MOTORS & ATTACHMENTS

T-Style Motor 20,000 RPM  
112-5542

T-Style Motor 5,000 RPM  
112-5538

Torque Multiplier  
112-5541

Straight Attachment  
112-5536

Contra Angle Attachment  
112-5537

Read before use. Keep in a safe place for future reference.

**⚠ Caution:** Federal (US) law restricts this device to sale by or on the order of a licensed professional.

### ⚠ Caution

- Do not exceed the recommended air pressure. Excessive air pressure may cause premature failure.
- Do not drop, hit or subject to excessive shock.
- Do not wipe or immerse in acidic solutions.
- Do not disassemble or alter the motor, attachments or heads.
- Before each use, check for vibration, noise, and overheating. If any abnormalities are observed, stop using immediately and contact Henry Schein ProRepair.
- Sterilization is required before first use.
- The user is responsible for correct operation, maintenance, and inspection.
- Never operate handpiece without a bur.

### Specifications

#### Attachments

ITEM	GEAR RATIO	SPEED	BURS
Straight attachment (112-5536)	1:1	20,000 rpm max.	Ø 2.35 (ISO1797-1)
Contra angle attachment (112-5537)	1:1	20,000 rpm max.	Ø 2.35 (ISO1797-1)
Torque multiplier (112-5541)	4:1	20,000 rpm max. input	n/a

#### Motors

ITEM	GEAR RATIO	SPEED RANGE	DRIVE AIR PRESSURE
5,000 rpm motor (112-5538)	4:1	0 - 5,000 rpm	35 psi
20,000 rpm motor (112-5542)	1:1	0 - 20,000 rpm	35 psi

### Motor Connection

### ⚠ Caution

- Air supply must be dry, clean, and uncontaminated. Moist, contaminated air leads to wear and premature failure.
- Damaged or missing connection gasket can cause water and air leaks resulting in poor performance.

#### Connection to Air Supply

1. Insert 4-hole backend into tubing.
2. Hand-tighten union nut clockwise.

### ⚠ Caution

- Improper connection to tubing may result in motor disconnecting while in use. Before each use, ensure motor is securely fastened to tubing.

### Connecting / Disconnecting Attachments (Fig. 1)

#### Connecting

1. Pull back release ring (RR) then slide the attachment over the nose portion of the motor until it stops.
2. Release ring to secure.

#### Disconnecting

1. Pull back the release ring.
2. Pull attachment off.

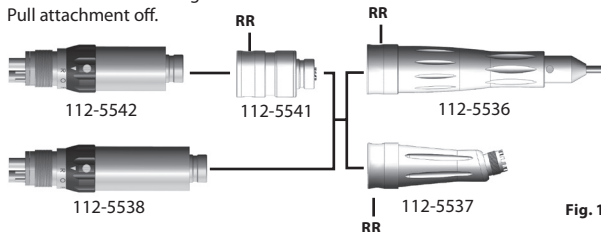


Fig. 1

### ⚠ Caution

- Make sure the attachment sits flush on motor. If not, repeat connecting process.
- Do not connect or disconnect attachments until drive motor has stopped completely.

### Attaching / Removing Contra Angle Heads (Fig. 2)

#### Attaching

1. Insert drive gear assembly into sheath. Be sure it seats properly.
2. Slide head union nut up to expose castellated fitting.
3. Lower head onto drive assembly and align head and sheath fittings. Make sure fittings interlock completely.
4. Securely tighten union nut and check for any looseness.

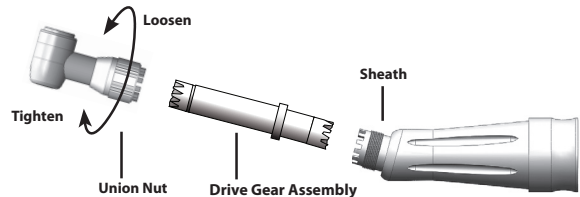


Fig. 2

#### Removing

1. Loosen union nut and remove head from sheath.
2. Remove drive gear assembly.

### ⚠ Caution

- Loose and/or improper attachment causes excessive noise and vibration and may result in patient injury.

### Motor Operation (Fig. 3)

#### Forward Rotation

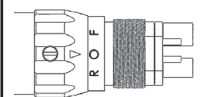
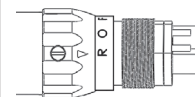
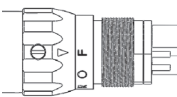
Turn the forward/reverse change ring to the F position.

#### Reverse Rotation

Turn the forward/reverse change ring to the R position.

#### Stop Position

When the forward/reverse change ring is in the "O" position, the drive air is interrupted and the motor will not rotate.



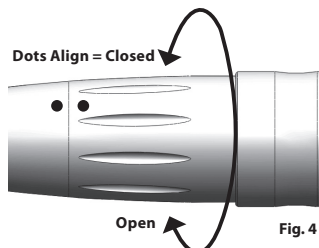
### Inserting and Removing Bur (Fig. 4) Straight Attachment

#### Inserting Bur

1. Twist bottom section in the OPEN direction until it clicks (Fig. 4).
2. Insert bur.
3. Turn bottom section back until it clicks and black dots align.

#### Removing Bur

1. Twist the bottom section in the OPEN direction until it clicks.
2. Remove bur.



#### Caution

- Make sure the black dots are aligned after inserting the bur. If the black dots are not aligned, bur may dislodge or overheat and result in burns.
- Always insert bur completely into chuck to prevent bur walk out.
- Never operate straight attachment without a bur.

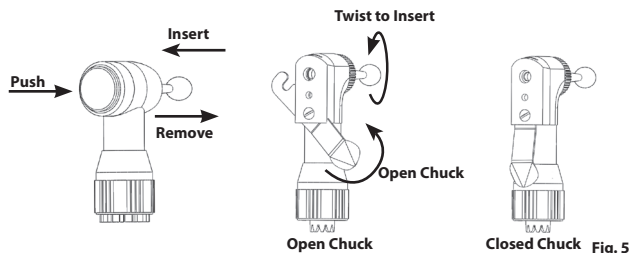
### Contra Angles, Swing Latch, and Push Button Heads (Fig. 5)

#### Inserting bur

1. Press push button or swing latch to open chuck.
2. Insert notched end of latch bur.
3. Slightly rotate bur until it engages with latch mechanism.
4. Release push button or swing latch to closed position.

#### Removing bur

1. Press push button or swing latch to open chuck.
2. Remove bur from head.



#### Caution

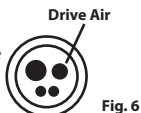
- After bur is seated, pull on bur to make sure it is locked into place.
- Do not use bent, worn or damaged burs as they could break and cause injury.
- Always keep bur shanks clean. Debris in chuck can cause poor bur concentricity or low retention force.

### Maintenance

#### Contra Angle, Straight Attachment, Torque Multiplier, and Motors

These items DO NOT require lubrication. However, if handpiece becomes sluggish, follow this cleaning procedure.

1. Disconnect the motor from air supply tubing.
2. Dispense handpiece cleaner into drive air tube (Fig 6).
3. Reconnect motor and run for 10 seconds or until motor runs smoothly.



### Sterilization

#### Caution

- Sterilization is required before first use.
- Sterilize by steam autoclave after each patient use.
- Do not use ultrasonic bath, boiling water or chemicals to clean.
- Do not autoclave at temperatures that exceed 275° F (135° C).
- Do not autoclave together with other instruments.
- Do not use dry heat sterilization.
- Wear appropriate personal protective equipment during sterilization and maintenance process. This should include eye protection and gloves.
- Keep in sterilization pouch until ready to use.

1. Wipe handpiece with damp cloth.
2. Place handpiece in sterilization pouch and seal. Bag handpieces individually.
3. Steam autoclave for 25 minutes at 270° F (132° C).
4. Allow a minimum of 20 minutes for drying/cooling cycle.

### Service

For items that require service, including warranty service, please send to Henry Schein ProRepair.

Henry Schein ProRepair  
620 S. Placentia Ave.  
Placentia, CA 92870 USA  
Phone: +1-714-579-0175  
Fax: +1-714-579-0186  
Email: prorepair@henryschein.com

### Warranty

These products are designed for use in a dental office and this warranty is not applicable to other uses. The products are warranted against manufacturing defects in materials and workmanship as follows:

Motor: 1 year from date of purchase  
Attachments: 6 months from date of purchase  
Heads: 6 months from date of purchase.

Henry Schein® will repair or replace products at its sole discretion. This warranty shall be limited to replacement or repair of the products or their parts and shall not extend to any other claims, including but not limited to loss of profit, cost of removal or replacement, incidental or consequential damages or other similar claims arising from use of this product. Damage to products resulting from acts of God, faulty installation, misuse, tampering, accident, abuse, negligence, alterations, unauthorized repairs or problems unrelated to materials and workmanship are not covered by this warranty.

#### DISTRIBUTED BY:

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HENRY SCHEIN, INC.  
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