

IMPACT-AIR 45 SERIES REPLACEMENT TURBINE INSTALLATION INSTRUCTIONS

Before replacing turbine, carefully examine handpiece head for dents. If there is any evidence of dents in the head, return the entire handpiece to www.Handpiece-Turbines.com for repairs. Do not install replacement turbine into handpiece. Installation will result in permanent damage to the turbine.

1. Using specialized wrench provided with your handpiece, unscrew cap from handpiece head and remove worn turbine by pushing out from the front. Only use the appropriate tool to remove the end cap. Use of a pliers or inappropriate tool will cause damage to your handpiece.
2. **WARNING:** Interior of head must be inspected for foreign material and debris- remove if present. Compare worn turbine to new turbine to identify any components that may still be present in your handpiece. Use a scaler or explorer to remove all old turbine components including any shims, O-rings, washers or bearing retainers. Once all old turbine components have been removed, use a cotton swab and handpiece lubricant to clean handpiece head. Using air from the air/water syringe, blow out handpiece head to remove any cotton fibers.
3. The turbine is provided with two O-rings and a Teflon washer. One O-ring fits onto the lip on the front (bur end) bearing as illustrated above; the other O-ring will fit onto the lip of the back bearing. Before installation, make certain both O-rings are in place and all old turbine components are completely removed from the handpiece. You may need to use a scaler or explorer to remove the old turbine components from your handpiece. After installing the O-rings, place the Teflon washer over the spindle at the front of the turbine as well.
4. Generously lubricate the turbine, paying particular attention to the O-rings. Holding the turbine bur end up, carefully insert the turbine fully into the handpiece head using a rocking motion to prevent unseating the O-rings. Once the turbine is fully seated, use the appropriate tool to screw the end cap down until flush against the handpiece head. **CAUTION:** End cap should be tightened securely with wrench to ensure safe positioning of turbine. If you are unable to fully seat the end cap, remove and check the end cap for debris/old turbine components. If difficulty persists, send the replacement turbine and handpiece to www.Handpiece-Turbines.com for installation. There is a minimal charge for this service.
5. If the turbine will not hold a bur, it may be necessary to send the handpiece and turbine to www.Handpiece-Turbines.com for installation/adjustment and/or end cap replacement.

BEFORE OPERATING HANDPIECE, FOLLOW STEPS 1 THRU 3 BELOW:

1. Install bur securely into turbine. Roll the bur between fingers to make sure bearing turns freely. If you feel any resistance, remove turbine and reinstall following steps 2 through 5 paying careful attention to the O-rings. **NOTE:** If difficulty in installing replacement turbine persists or bur does not turn freely between your fingers **DO NOT OPERATE HANDPIECE**. Return the entire handpiece and replacement turbine to www.Handpiece-Turbines.com for installation at a minimum charge.
2. Lubricate handpiece as directed in included **HIGHSPEED HANPIECE MAINTENANCE PROCEDURES**.
3. Install handpiece onto your tubing connector and operate foot control. **DO NOT OPERATE HANDPIECE** without bur securely fastened into turbine.

To extend the life and maintain the performance of your highspeed handpiece, clean, then lubricate, and then expel all excess lubricant before each autoclave cycle.

Always operate below 38psi and avoid using extended burs.

Warranty on this product is six months.

For technical support call 1-631-675-6961