

**BOWEN**

## **2010/11 HANDPIECE REPAIRS**



**At Bowen, we set ourselves apart by working harder for you.**

Offering the best products, the best service, and the best overall value, is all in a honest day's work.

# GENERAL HANDPIECE REPAIR LIST

All turbine prices include installation, complete service, full factory warranty, and one day turnaround on most models.

## BOWEN PRODUCTS PREVENTATIVE SERVICE

Includes thorough cleaning, new O-rings, loading springs, rear gasket, reaming head, clearing the chip air and water lines, lubrication, and full testing. No warranty.

# ONLY \$49

## OEM PUSH BUTTON TURBINES

Prices include full service, installation, and written warranty.

NVA-SU03	NSK/Healthco push and swivel	<b>\$289.00</b>
PTL-MSU03	NSK Minima push button	<b>\$289.00</b>
NTF-MU03	NSK Phatelus/Alpha mini, original model	<b>\$259.00</b>
NTF-SU03	NSK Phatelus/Alpha standard, original model	<b>\$259.00</b>
NTF-TU03	NSK Phatelus/Alpha torque, original model	<b>\$259.00</b>
ST-OMSD	Sabra OMS-45 QD-J Model	<b>\$289.00</b>

ST-FO	Sabra OMS-45 II	<b>\$289.00</b>
ST-FO	Sabra OMS-45 FO	<b>\$289.00</b>
484300	Midwest Quiet Air power lever	<b>\$439.00</b>
780118	Midwest Tradition power lever	<b>\$439.00</b>
790118	Midwest Tradition/XGT push button	<b>\$439.00</b>
790310	Midwest Stylus (requires lube)	<b>\$439.00</b>
790510	Midwest Stylus (lube-free)	<b>\$439.00</b>
NPA-MU03	Pana Air mini push button	<b>\$219.00</b>
NPA-SU03	Pana Air standard push button	<b>\$219.00</b>

## IMPACT AIR 45° REPAIRS

### REPAIR WITH AN OEM REPLACEMENT TURBINE

Repair includes full service, installation, and 90 day warranty.

PD 601 Model 9, push button kit includes turbine and cap .....**\$425.00**



### OR PURCHASE A NEW HANDPIECE

On sale now... limited time offer while supplies last!

PD401 Fiber Optic, push button (shown).....~~\$1325.00~~ **\$1099.00**  
 PD403 Non-Fiber Optic, push button .....~~\$1195.00~~ **\$995.00**

## MIDWEST POWER LEVER CONVERSIONS

Applies to both the Midwest Quiet Air (shown) and Tradition models. Converts your existing manual chuck or push button handpiece to a Midwest power lever model. Includes new OEM power lever turbine/cap, all parts, service, labour and 180 day written warranty.



IN STOCK NOW.....**\$575.00**

## OEM MANUAL CHUCK REPLACEMENT TURBINES

464300	Midwest Quiet Air.....	<b>\$339.00</b>
750118	Midwest Tradition.....	<b>\$339.00</b>
258661	Star 430-K.....	<b>\$269.00</b>
NPA-M03	NSK Pana Air mini.....	<b>\$169.00</b>

## SABLE CANISTER STYLE TURBINES

Fits NSK Pana Air, Henry Schein, Patterson, and Champion

# SAVE \$80\*

Manual Chuck Turbines: Warranty was 90 days, now 120 days!

1001302 (STANDARD) OR 1001301 (MINI HEAD)  
 IN STOCK NOW.....**\$109.00**  
 4 OR MORE\*, EACH.....**\$89.00**

Push Button Chuck Turbines: Warranty was 90 days, now 120 days!

1001402 (STANDARD) OR 1001401 (MINI HEAD)  
 IN STOCK NOW.....**\$185.00**  
 4 OR MORE\*, EACH.....**\$169.00**



# GENERAL HANDPIECE REPAIR LIST

All turbine prices include installation, complete service, full factory warranty, and one day turnaround on most models.

## SABLE NSK REPLACEMENT TURBINES: NOW WITH DOUBLE WARRANTY!

Sable NSK canister turbines feature USA grade ABEC 7 angular contact bearings. Warranty was 90 days, now 180 days!

1001497	Phatelus I Mini, Twist Free Mini, Alpha-Lite Mini, Viper	
IN STOCK NOW	.....	<b>\$239.00</b>
4 OR MORE, EACH	.....	<b>\$209.00</b>
1001498	Phatelus I Standard, Twist Free, Alpha-Lite, Kinetic Viper	
IN STOCK NOW	.....	<b>\$239.00</b>
4 OR MORE, EACH	.....	<b>\$209.00</b>
1001499	Phatelus I Torque, Twist Free, Alpha-Lite, Kinetic Viper	
IN STOCK NOW	.....	<b>\$239.00</b>
4 OR MORE, EACH	.....	<b>\$209.00</b>
1001404	Phatelus II Mini, CH-QD, NL-65	
IN STOCK NOW	.....	<b>\$259.00</b>
4 OR MORE, EACH	.....	<b>\$229.00</b>
1001405	Phatelus II Standard, CH-QD, NL-65	
IN STOCK NOW	.....	<b>\$259.00</b>
4 OR MORE, EACH	.....	<b>\$229.00</b>

1001406	Phatelus II Torque, CH-QD, NL-65	
IN STOCK NOW	.....	<b>\$259.00</b>
4 OR MORE, EACH	.....	<b>\$229.00</b>
1001501	Mach-Lite XT Mini, Mach-Lite, Mach, Mach-QD, NL-75 & NL-85	
IN STOCK NOW	.....	<b>\$299.00</b>
4 OR MORE, EACH	.....	<b>\$279.00</b>
1001502	Mach-Lite XT Standard, Mach-Lite, Mach, Mach-QD, NL-75 & NL-85	
IN STOCK NOW	.....	<b>\$299.00</b>
4 OR MORE, EACH	.....	<b>\$279.00</b>
1001503	Mach-Lite XT Torque, Mach-Lite, Mach, Mach-QD, NL-75 & NL-85	
IN STOCK NOW	.....	<b>\$299.00</b>
4 OR MORE, EACH	.....	<b>\$279.00</b>
1001506	Ti-Max A500L Mini, NL-95M, AK500	
IN STOCK NOW	.....	<b>\$299.00</b>
4 OR MORE, EACH	.....	<b>\$279.00</b>
1001507	Ti-Max A600L Standard, NL-95S, AK600	
IN STOCK NOW	.....	<b>\$299.00</b>
4 OR MORE, EACH	.....	<b>\$279.00</b>
1001508	Ti-Max A700L Torque, NL-95T, AK700	
IN STOCK NOW	.....	<b>\$299.00</b>
4 OR MORE, EACH	.....	<b>\$279.00</b>

## SABLE REPLACEMENT TURBINES

Prices include a full service of your handpiece, turbine installation, and a 180 day parts and labour written warranty.

1000104	A-dec, W&H 898, 195, 198 Topair	<b>\$379.00</b>	1000125	KaVo 6000B	<b>\$379.00</b>
1000105	A-dec, W&H 896, 196 Topair	<b>\$379.00</b>	1000110	Midwest Tradition PB & XGT	<b>\$325.00</b>
1000118	A-dec, W&H Synea TA-96	<b>\$379.00</b>	1000112	Midwest Quiet Air Push Button	<b>\$325.00</b>
1000119	A-dec, W&H Synea TA-98	<b>\$379.00</b>	1000153	Midwest Stylus Push Button	<b>\$359.00</b>
1000101	KaVo 632, 633, 642, 645	<b>\$325.00</b>	2009901	Sable PB Mini (QD style)	<b>\$325.00</b>
1000102	KaVo 630, 640	<b>\$325.00</b>	2009902	Sable PB Standard (QD style)	<b>\$325.00</b>
1000115	KaVo 635B	<b>\$369.00</b>	1000106	Star 430 (requires lubrication)	<b>\$325.00</b>
1000122	KaVo 647B, 649B	<b>\$369.00</b>	1000108	Siemens 4000SL, TS1	<b>\$379.00</b>
1000116	KaVo 650B	<b>\$369.00</b>	1000123	Siemens 4000ML, TM1	<b>\$379.00</b>

- > Sable turbine warranty includes 180 days on bearings, and 1 year on push button mechanism.
- > Meets and exceeds ISO 7785-1 handpiece standard.
- > Manufactured with Barden super precision dental bearings (made in England) which meet ABEC 9/ISO P2 running tolerances for extremely quiet operation.













- > Manufactured and balanced to the highest precision standards to fit correctly in all OEM handpieces.
- > Chucks have superior gripping force and easy push button operation with both OEM and Sable push button caps.
- > Designed and manufactured for long life, superior torque, and to resist the negative effects of autoclaving.

## SABLE REPLACEMENT PUSH BUTTON KITS

Prices include a full service of your handpiece, turbine installation, and a 180 day bearing warranty.

**MIX AND MATCH** **SAVE \$105\***

IN STOCK NOW..... **\$424.00**  
 3 OR MORE\*, EACH..... **\$389.00**

					
1001101 Fits KaVo 632, 633, 642	1001103 Fits KaVo 630 (old style)	1001102 Fits KaVo 640			
					
1001111 Fits Midwest Quiet Air	1001110 Fits Midwest Tradition	1001106 Fits Star 430 (lube type)			

For free, no-obligation estimates call us toll-free at **1-800-663-2541**



# GENERAL HANDPIECE REPAIR LIST

We will fix it right the first time, with the quickest service going.

## SLOW SPEEDS

260290	Star Titan Standard Scaler, fixed backend (overhaul).....	<b>\$435.00</b>
261591	Star Titan SW Scaler, old style (overhaul).....	<b>\$435.00</b>
261379	Star Titan SW Scaler, new style (overhaul).....	<b>\$435.00</b>
256715	Star Titan Scaler (new rotor kit).....	<b>\$139.00</b>
C202-012	NSK Contra Sheath ER (new knee).....	<b>\$55.00</b>
C231-012	NSK Contra Sheath E4R (new knee).....	<b>\$55.00</b>
C100-011	NSK Contra Sheath EC (new knee).....	<b>\$35.00</b>
C100C011	NSK Contra Sheath EC new style (new knee).....	<b>\$45.00</b>
C037-015	NSK BB-L Contra Head (new cartridge).....	<b>\$55.00</b>
C032-011	NSK NAC Contra Head (new cartridge).....	<b>\$39.00</b>

## SLOW SPEED PREVENTATIVE SERVICE

**ATTACHMENTS:** Clean, lube and test (no warranty), starting at ..... **\$54.00**  
**MOTORS:** Adjust, clean, lube and test (no warranty), starting at ..... **\$95.00**

## THE FOLLOWING HANDPIECE REPAIRS ARE ON A PARTS AND LABOUR BASIS:

- › NSK TN-103 and TN-203 motors plus all A-Tech models
- › NSK EX-103 and EX-203/204 motors, new generation
- › NSK, Star, and KaVo straight nose cones
- › KaVo 181 motors, all models
- › KaVo 2307, 2313, and 2320 motors and similar
- › KaVo contra sheaths, all types
- › KaVo 68 F, G, GDN, LDN, LH contra heads and similar
- › KaVo 31 GR, LR prophy heads and similar
- › W&H motors and related attachments
- › Weber motors and related attachments

Turnaround time is approximately 3-6 days on the listed items above.  
 Call **1-800-663-2541** for pricing on any model not listed.

## DON'T THROW AWAY YOUR WORN-OUT NSK CONTRA LATCH HEADS!

We can fix them and save you money. NSK is a cartridge system, which means we can replace the internal cartridge and make the head run like new again! Repair prices include parts and labour.



## FYI: BB-L CARTRIDGE ALSO FITS STAR LATCH HEADS

C032-011	NSK NAC Head <b>SAVE \$30 REPAIR VS. NEW</b> .....	<b>\$39.00</b>
C032-012	Replacement NSK transmission gear only.....	<b>\$28.00</b>
C030-119	Replacement NSK front cap only for above heads.....	<b>\$7.99</b>
C032-103	Replacement NSK latch.....	<b>\$5.99</b>

## MIDWEST TRU TORC I AND II AND SHORTY MOTOR TUNE-UP SPECIAL

Includes 180 day warranty. In most cases one day service!



### TUNE-UP

Price includes minor repair only. No warranty applies.

SINGLE SPEED .....	<b>\$139.00</b>
TWO SPEED (SHOWN).....	<b>\$149.00</b>

### OVERHAUL

SINGLE SPEED, STARTING AT.....	<b>\$220.00</b>
TWO SPEED, STARTING AT .....	<b>\$289.00</b>

## STAR TITAN SCALER FACTORY OVERHAULS

Standard scaler shown



We now perform "in-house" factory equivalent overhauls on all Star Titan Scaler models. Includes new internal shaft, suspension, backend, (changes the serial number on handpiece), 180 day warranty, **plus** same day service—which means no more 4-6 week delays!

**SAVE \$304 REPAIR VS. NEW** ..... **\$435.00**

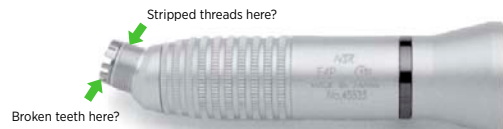
## TITAN SCALER REBUILD

› Includes new rotor kit, O-rings, clean, lube and test for proper operation, and a 180 day warranty.

**NEW LOWER PRICE** ..... **\$139.00**

## NSK CONTRA ANGLE REPAIRS

Does your contra sheath have broken teeth and/or stripped threads? We can fix it and save you money!



Prices include parts, labour, and installation of new knee.

C100C011	NSK Contra Sheath EC new style (new knee) .....	<b>\$45.00</b>
C202-012	NSK ER Contra Sheath.....	<b>\$55.00</b>
C231-012	NSK E4R (Shown), E16R, E64R Contra Sheath	<b>\$55.00</b>
<b>SAVE \$125 REPAIR VS. NEW</b> .....		<b>\$55.00</b>

## TRANSMISSION GEAR

135<sup>9</sup>

Has your NSK transmission gear gone missing or simply worn out? Here's a great solution!



C032-012	IN STOCK NOW.....	<b>\$28.00</b>
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## WHY REPLACE YOUR WORN OUT NSK PROPHY HEADS?

C187 shown

We can repair them and save you 50%!  
 Genuine NSK Replacement Cartridge and Cap Set for NSK Propy Heads.



C185015 (Screw-type) or C186016 (Snap-on)	INSTALLED FOR .....	<b>\$29.50</b>
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Just need a front cap? No problem—we have them!  
**IN STOCK NOW**..... **\$5.99**

Just need a Snap-on button? We have them too!  
**IN STOCK NOW**..... **\$5.99**

# LUBRICANTS & NOZZLES

Our most popular products grouped together for your convenience!



## SABRA LUBRICANT

DESCRIPTION	PART	PRICE	2 OR MORE
Sabra Care Plus lubricant, 8 oz. aerosol spray	OMS-P4	\$35.00	\$33.00
Sabra Care Plus lubricant kit (includes nozzle for Sabra OMS-45)	OMS-P3	\$40.00	\$36.00
Sabra nozzle (fits NSK Phatelus, Mach-Lite, XT, Ti-Max AL, Kinetic, Sable NL)	OMS-P5	\$9.99	\$8.59

## HANDPIECE LUBRICANT

DESCRIPTION	PART	PRICE	2 OR MORE
KaVo Spray (500 ml)	411-9670	\$72.00	\$66.00
LubriCleanse (2) 2 oz. bottles (twin pack)	C-2680	\$115.00	N/A
Midwest Plus Aerosol "Spray" lubricant/cleaner*	380080	\$55.00	\$49.00
Midwest Plus handpiece Lubricant (2 oz.) dropper	380130	\$35.00	N/A
Midwest Plus handpiece cleaner (8 oz.) spray	380140	\$35.00	N/A
Midwest Plus handpiece cleaner (1 litre) refill	380141	\$89.00	N/A
Midwest Maintenance Kit (cleaner and lube)	380145	\$89.00	N/A
NSK Pana-Spray (170 ml)	Z017-100	\$37.00	\$33.00
Star Dentalube II (1 oz.)	262539	\$16.95	\$14.95

\*Requires Midwest nozzle (below)



## LUBRICANT NOZZLES

DESCRIPTION	PART	PRICE	2 OR MORE
KaVo Multi-Flex	411-9921	\$21.00	N/A
KaVo Midwest Type	411-9911	\$21.00	N/A
Midwest nozzle, for aerosol type, XGT/Stylus	380085	\$19.50	N/A
Midwest nozzle, for aerosol type, Midwest backend	380086	\$19.50	N/A
NSK QD-J/Sabra	Z096-090	\$10.99	\$8.99
NSK Phatelus/Mach-Lite/Sabra/Sable NL	P183-090	\$9.99	\$8.99
NSK E-Type motor	Z200-90	\$9.99	\$7.99
NSK E-Type attachment	Z0190-010	\$9.99	\$7.99
Star 430 SWL	202954	\$8.99	N/A



## EXTEND THE LIFE OF YOUR HANDPIECES WITH LUBRICLEANSE

LubriCleanse is an advanced formula that provides a safe and simple method of lubricating all your handpieces with only three drops, while significantly extending their useful life. LubriCleanse cleans, lubricates and protects your high speed handpieces, slow speed air motors, and all attachments while meeting or exceeding all handpiece manufacturer's specifications.

### Recognize big savings on handpiece repairs

Specifically formulated to protect all internal components of your handpieces, the dropper style dispenser allows easy, precise metered application of lubricant. LubriCleanse is free of caustic additives and propellants such as CFC-11, CFC, butane, propane, and chlorine.

### Satisfaction guaranteed or your money back!

- > Lubrication post-sterilization **is not** required
- > Non-toxic, odour free, sterile, advanced lubricating formula
- > Maintains stability under heat and load conditions
- > Withstands the stresses of autoclave sterilization or alcohol disinfecting
- > Significant savings in downtime, handpiece repairs, and lubricant costs
- > Money back guarantee applicable within 180 days of invoice date

C-2680 Twin pack contains 2, 2oz. bottles

IN STOCK NOW ..... ~~\$149.00~~ **\$115.00/2-pack**  
**4 OR MORE, EACH\*** ..... **\$99.00/2-pack**



# 10 EASY STEPS TO LONGER BEARING LIFE

Correct lubrication and sterilization procedures together with proper PSI settings are the most important factors for maximizing bearing longevity.\*

## WHERE TO LUBRICATE



### 1. PREPARE AND CLEAN HANDPIECE.

Be certain to remove any visible debris; you may use a soft bristle brush under warm running water. If you choose to use soap or detergent, thoroughly rinse and dry. **DO NOT** soak or place the handpiece in an ultrasonic cleaner, unless the manufacturer specifically recommends to do so. **NOTE: Some handpieces such as Star 430SWL Vortex models cannot be exposed to any soaps or disinfectants.**

### 2. PRE-STERILIZATION LUBRICATION.

Lubricate the handpiece with the recommended manufacturer's lubricant and nozzle (if applicable), typically we suggest applying a 2–3 second burst of lube or 3–4 drops if using a drop-type lubricant, such as LubriCleanse. **NOTE: Some handpieces such as STAR 430SWL Vortex models do not require lubrication.**

### 3. INSERT AND SECURE A BUR IN THE CHUCK.

Re-attach handpiece to tubing or use a handpiece flush system.

### 4. DISTRIBUTE LUBRICANT.

Run handpiece at 50% speed for approximately 20–25 seconds—this will expel the excess lubricant AND carry away any loose dirt and debris. **PLEASE NOTE:** If after this step you still see discoloured lubricant being discharged from the handpiece head, repeat steps 2–4. By maintaining a clean turbine, you will ensure maximum bearing longevity. Failure to do so will result in excess debris accumulating within the head area, which will bake on the bearings during each heat sterilization cycle.

### 5. REMOVE BUR FROM CHUCK.

Clean fiber optics with a cotton swab moistened with isopropyl alcohol. Bag and autoclave handpiece per manufacturer's instructions. **NOTE: For better drying, place bag in the sterilizer tray with the paper side of the bag facing up.**

### 6. POST-STERILIZATION LUBRICATION.

Once the sterilization cycle is complete and the handpiece has cooled down, **if post-sterilization lubrication is required** (N/A with KaVo Spray, LubriCleanse or STAR Vortex handpieces), all others re-lubricate 1–2 seconds with spray type lube or apply 1–2 drops of drop-type lubricant (see illustration). **NOTE: To avoid cross-contamination, be sure to use a separate can or bottle of lube.**

### 7. PURGE THE DELIVERY UNIT.

Flush the air and water lines of dental unit for 20 seconds, prior to connecting the handpiece to the tubing.

### 8. PURGE THE HANDPIECE.

Re-insert bur, re-attach handpiece to tubing or handpiece flush system. Run handpiece at 50% speed for 15–20 seconds.

### 9. CLEAN THE HANDPIECE BODY.

If any lubricant remains on the handpiece, gently wipe the body with a clean gauze pad.

### 10. BEGIN USING HANDPIECE.

That's all there is to maintaining your handpieces! Your sterilized handpiece is now ready for use or storage.

#### ADDITIONAL NOTES

NEVER cheat your burs. ALWAYS fully insert a bur into the chuck and secure properly. If you attempt to extend it from the chuck the bur may dislodge while in use, causing injury to you and your patient. It will also contribute to premature bearing and chuck failure and may void your warranty.

NEVER use any type of tool to remove a stuck bur from a chuck. Doing so can cause irreversible push button chuck damage. Call Bowen instead! NEVER use a hot or warm handpiece directly from the sterilizer, doing so

will greatly reduce turbine longevity. Never place hot handpieces under cold water to rapid cool, allow for an adequate cool down period. For rotational purposes, a minimum of four handpieces are recommended per op.

**ATTENTION MIDWEST HANDPIECE USERS!** Remember to close the lever on all "power lever" handpieces prior to autoclaving. Always remove the bur from the power lever chuck prior to autoclaving.

\*Due to the high number of variables involved with "in-house" maintenance, please understand the above is in no way an expressed or implied guarantee for bearing longevity.