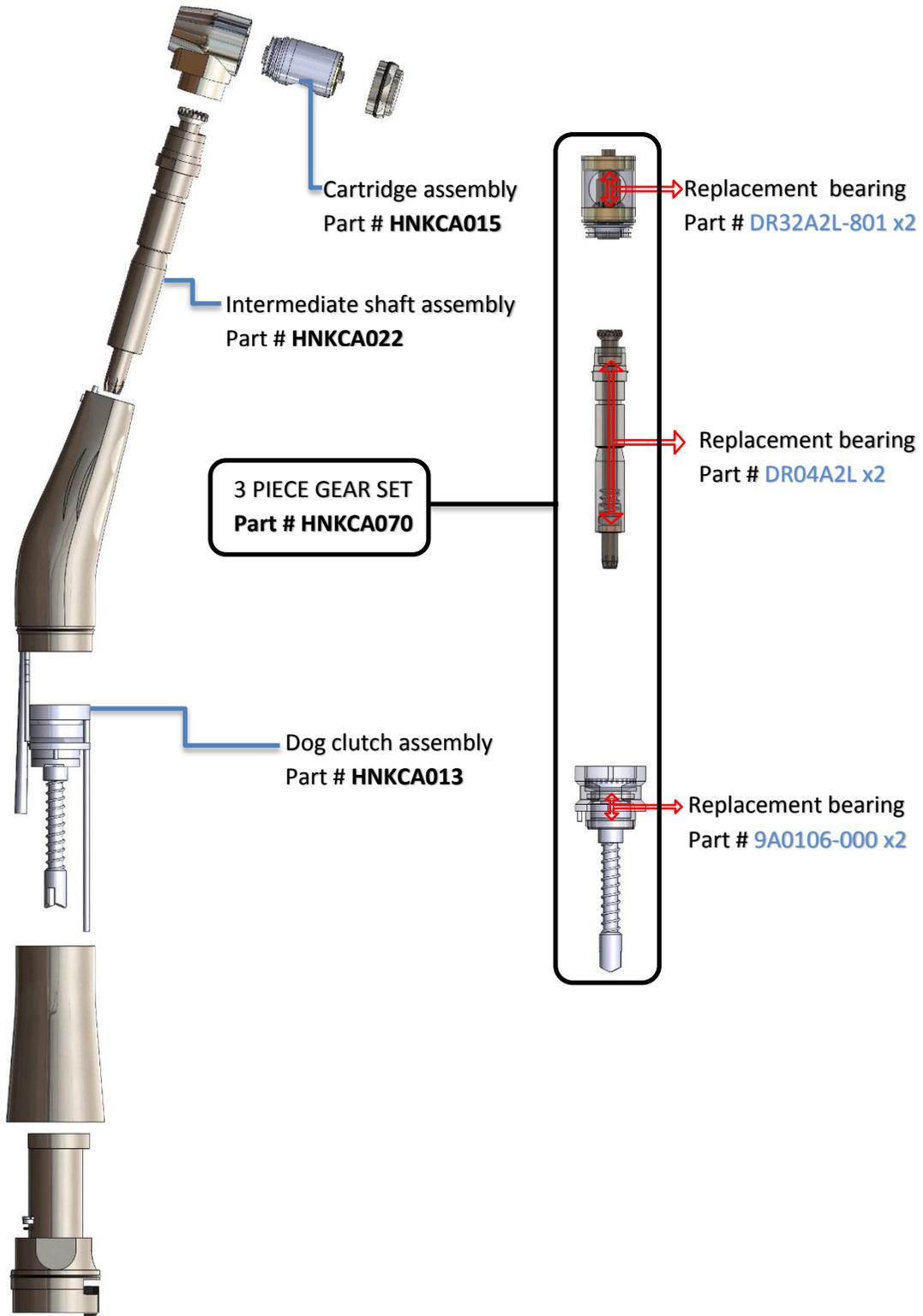
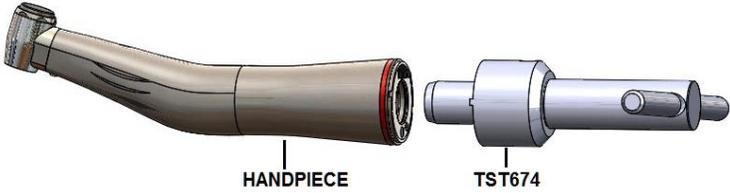
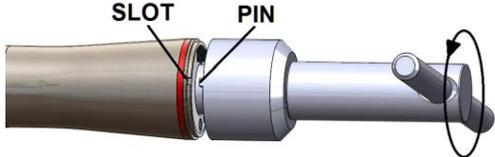
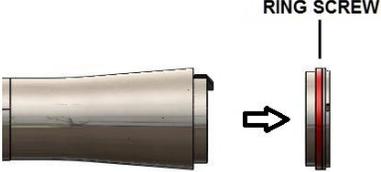


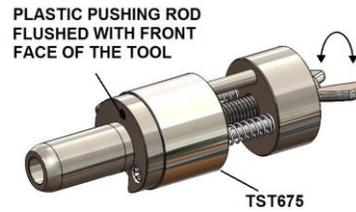
### 3 PIECE GEAR SET PART # HNKCA070 NSK Contra Angle TiMax X95L

#### Replacement part diagram



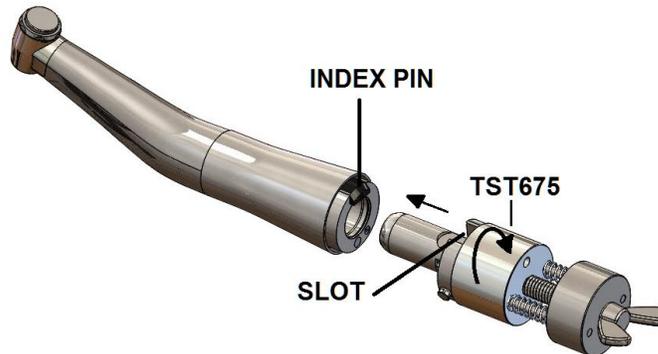
<b>TOOL LISTING:</b>	NSK Model <b>Ti-Max X95L</b>
<p>1-Cap Wrench part # <b>TST638</b></p> <p>2-Base nut tool part # <b>TST674</b></p> <p>3-Base disassembly tool # <b>TST675</b></p> <p>4-water guide removal tool# <b>TST639</b></p> <p>5- Additional tools:          +Small flat head screw driver (1.5mm diameter)          +Pliers with emery cloth to prevent scratch on body of handpiece.</p>	<p>★ <b>INSTRUCTION:</b></p> <p><b>1-To remove the ring screw on the back of the handpiece</b></p> <p>+ Align and engage the pins on tool TST674 and slots on ring screw on the back end of the handpiece. <b>Fig. 1</b></p>  <p><b>Fig. 1</b></p> <p>+ Turn counter-clockwise to open and remove the ring screw. <b>Fig. 2 &amp; Fig. 3</b></p>  <p><b>Fig. 2</b></p>  <p><b>Fig. 3</b></p> <p>★ <b>INSTRUCTION:</b></p> <p><b>2- To remove base block from back end of the handpiece</b></p> <p>+ Loosen the drive shaft retaining screw with small screw driver(1.5mm) <b>Fig. 4</b></p>  <p><b>Fig. 4</b></p>

+ Before using base disassembly tool part # TST675; Adjust the plastic push rod by turning the wing nut to make sure the plastic rod end is flushed with the front end of the tool. **Fig. 5**



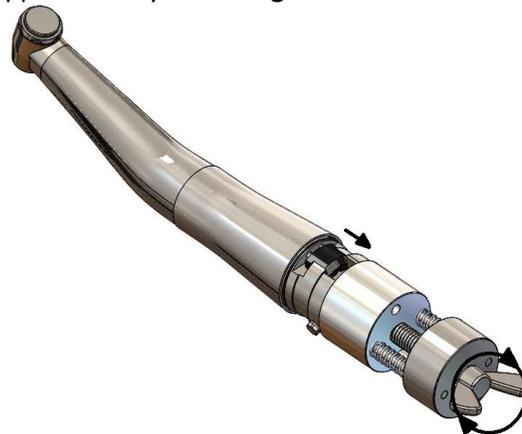
**Fig. 5**

+ Insert the tool into the back end of handpiece, rotate clockwise until the handpiece index pin locks into slot on the tool. **Fig. 6**



**Fig. 6**

+ Turn the wing nut clockwise until the base insert starts to pull out from the handpiece shell, approximately 5 mm. **Fig. 7**



**Fig. 7**

+ Press the button on the side of tool TST675 to remove from the base insert. **Fig. 8**



Fig. 8

+ Gently pull to remove the base insert from handpiece shell. Fig. 9

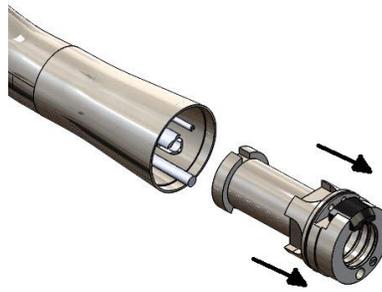


Fig. 9

★ INSTRUCTION:

**3- To remove the Dog Clutch**

+ Use emery cloth wound around the grip sleeve and the elbow and turn counter-clockwise to detach the grip sleeve. Fig. 10



Fig. 10

+ Hold and pull the drive shaft retaining pin to remove the dog clutch from the shell. Fig. 11

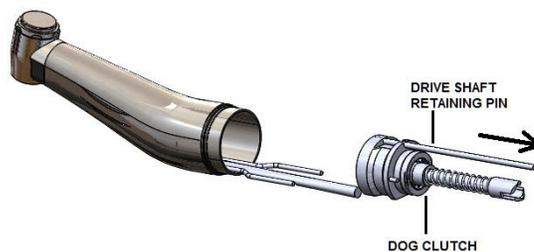
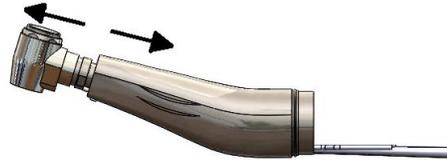


Fig. 11

★ INSTRUCTION:

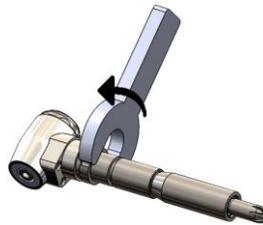
**4-To remove intermediate Shaft**

+ Detach the head assembly from the elbow assembly by holding on the elbow and pull the head to remove. **Fig. 12**



**Fig. 12**

+ Use 7.00mm wrench turn counter-clockwise to remove the intermediate Shaft out of the head assembly. **Fig. 13**

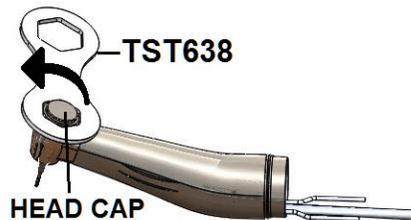


**Fig. 13**

★ INSTRUCTION:

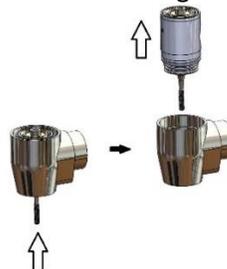
**5-To remove the cartridge.**

+ Use cap wrench # TST638; turn counter-clockwise to open and remove the head cap. **Fig. 14**



**Fig. 14**

+ Use blank bur to press to remove the cartridge out of the head shell. **Fig. 15**



**Fig. 15**

★ **INSTRUCTION:**

**6-To repair water leakage.**

+ Use water guide removal tool **TST639** to remove the air/water tube guides and replace o-rings. **Fig. 16**



**Fig. 16**

+ Check and replace o-rings for air/water lines on head assembly. **Fig. 17**



**Fig. 17**

★ **INSTRUCTION:**

**7- Reassembly cautions:**

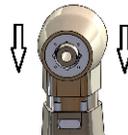
+ Reverse the procedure for disassembly with following cautions.

+ Make sure slot and pin on head shell and cartridge assembly are aligned before insert the cartridge into the head shell. **Fig. 18**



**Fig. 18**

+ Align o-ring on head assembly and tips of air/water lines, press the head assembly down to the elbow assembly until click is heard. **Fig. 19**



**Fig. 19**

+ Apply silicon adhesive to the fiber optic hole of the base insert prior to press it into the back end of the handpiece. **Fig. 20**



**Fig. 20**