

Instructions

BH60 Handpiece

SKU: 5000224

Handling of the Motor Handpiece (SDE-BH60)

1. Insertion or Removal of Bur

The Bur (20) can be replaced by turning the Chuck Handle clockwise. After replacing the Bur, the Chuck Handle must be turned counter-clockwise to be securely held. [Fig. 1]

2. How to mount and dismount the Collet Chuck

Turn the Collet Chuck (21) counter-clockwise while opened to dismount. If the Collet Chuck can not be turned manually, use the Chuck Wrench (28) to dismount it. To mount the Collet Chuck, it is required to first open the Chuck Handle and then insert the Collet Chuck and the Bur. [Fig. 2]

3. How to disassemble the Chuck Handle and the Motor

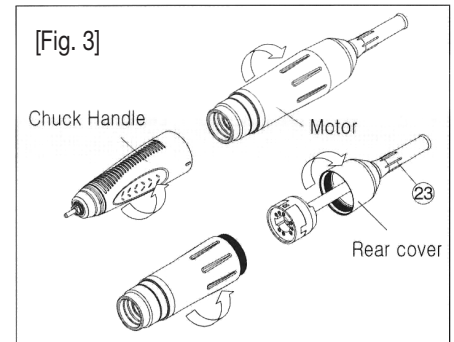
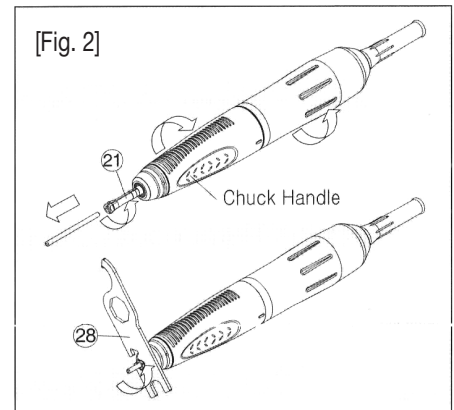
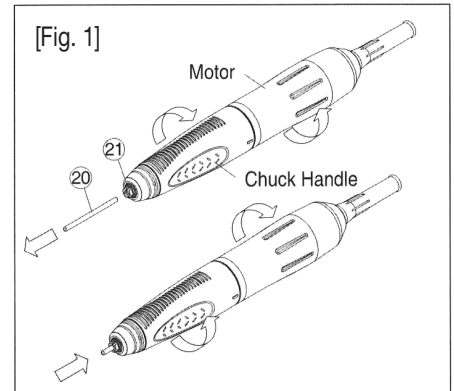
The Chuck Handle and the Motor are disassembled by continuously turning the Chuck Handle counter-clockwise. [Fig. 3]

CAUTION

- Use only recommended burs.
- Always remove dirt before replacing a bur.
- After replacing a bur, make sure the Collet Chuck is securely held before running the Motor

CAUTION

- DO NOT try to adjust the Chuck Handle while the motor is running to prevent the unit from being damaged.
- When the Motor Handpiece is not in use, it is recommended that a bur is kept inserted in the Chuck.
- Always put the Motor Handpiece on the Handpiece Stand or Handpiece Holder while not in use. Special care must be taken not to drop it on the floor.
- Thoroughly clean the Collet Chuck and Burs before reassembling. Clean at least once a week for longer life.
- Special care must be taken so that the Chuck Handle and the Motor are free from dust and dirt during disassembly.
- The spindle and the motor should be disassembled only by a qualified repair facility.

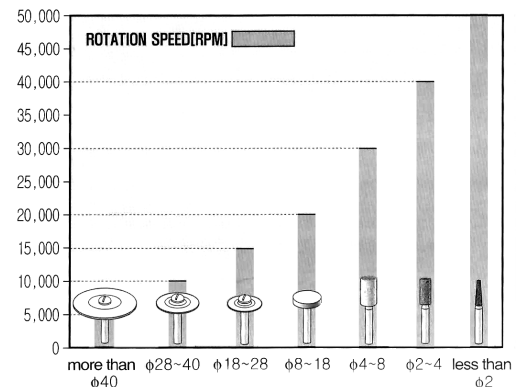


Allowable Rotation Speed

1. This chart is a general guide for the maximum rotation speed of conventional burs. The allowable rotation speed can be slightly different, depending on bur materials or types.

CAUTION

- Make sure not to exceed the maximum rotation speed specified by the manufacturer or distributor for the bur being used.
- Large burs, even when operated below maximum rated speed, may begin to vibrate. Speed should be reduced immediately to prevent damage to the bur, handpiece, or operator.
- Always use standard burs.
- Be sure to insert the Bur shank all the way, until it touches the back of the Collet Chuck. Then tighten the Collet Chuck. If the Bur is used while not inserted completely, it is very dangerous because vibration may cause it to come out.



Trouble Shooting

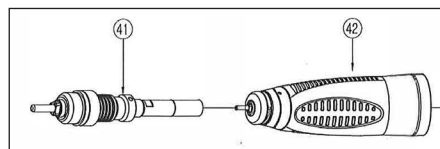
Trouble	Check points	Corrective actions
Motor Handpiece overheats while in operation.	The ball bearings are defective.	Repair the Motor Handpiece.
Motor Handpiece vibrates excessively and is unusually noisy.	Make sure that the Collet Chuck is free from dirt.	Thoroughly clean the Collet Chuck.
	The rotation speed is too high.	Reduce the rotation speed. Refer to "Allowable rotation speed" chart.
	Check if the bur shaft is straight or bent.	Replace with new one.
	Make sure that ball bearings are in good condition.	Repair the Motor Handpiece.

Important

The temporary revision of internal parts for the BH60 handpiece affects anyone with units that have serial numbers starting at G210190 for the 3/32" handpieces and G2101174 for the 1/8" handpieces. Those units can only change the entire Head Assembly (#42 on the schematic – our new 8960540) or they can purchase the Spindle assembly (#41 on the schematic – our new 8960539). Due to this change, please also be aware that the #41 new spindle assembly will NOT fit inside the older style heads.

Parts List

NO.	PARTS NAME	ITEM #
41	BHS1 Spindle Assembly	896-0539
42	BHS1 Assembly	896-0540



Anyone who bought the Handy 700 with 3/32" handpiece (our 5102920) with a serial number up to and including G210189 and anyone who bought the Handy 700 with 1/8" handpiece (our 5102925) with a serial number up to and including G210173 can order any of the replacement parts in the large schematic below.

NO.	PARTS NAME	ITEM #
2	Collet Chuck (Dia. 2.35 mm)	896-0417
	Collet Chuck (Dia. 3.0 mm)	896-0418
	Collet Chuck (Dia. 3.175 mm)	896-0419
3	BHS1 Nose Cap	896-0445
4	BH60 Nose Cap O-Ring	896-0446
5	BHS1 Chuck Housing C-Ring	896-0448
6	BHS1 Collar	896-0449
7	BHS1 B/R Stop Collar	896-0450
8	BHS1 814 Wave Washer	896-0451
9	BHS1 814 Washer2	896-0452
10	BHS1 814 Washer1	896-0453
11	BH60 Ball Bearing(814ZZ)	896-0454
12	BHS1 Chuck Housing	896-0455
13	BHS Connection Pin	896-0456
14	BH60N Spacer	896-0457
15	BH60 Joint Shaft	896-0458
16	BH60 Disc Spring	896-0459
17	BHK Spring Stopper	896-0460
18	BH60 Spring Pin	896-0461
19	ES6 Nosecone O-Ring	896-0462
20	BH80 Connector	896-0463
21	BH60 Spring Spacer	896-0464
22	BH60 Coil Spring1	896-0465
23	BH60 Spring Sheet	896-0466
24	BH60 Hand Cap Stopper	896-0467
25	BHK Hand Cap & Insert	896-0468
26	BH60 Set Ring	896-0469
27	BH60 Set Key	896-0470
28	BH60 Cam O-Ring	896-0471
29	BHK Cam	896-0472
30	BH60 Ball	896-0473
31	BH60 Moving Housing	896-0474
32	BH60 Coil Spring2	896-0475
33	BH60 B/R Collar	896-0476
34	BH60 Ball Bearing(1360ZZ)	896-0404
35	BH60 B/R Stop Bolt	896-0477
36	BM40M Motor Case Ring	Assembly
37	BM50M Motor	Assembly
38	BM50M Motor Insert	Assembly
39	BM50M Motor Case Cover	Assembly
40	BH60 Motor Cord Assembly	896-0478
43	BM50M Motor Assembly	896-0481
-	Collet Spanner & Wrench Set	896-0482

