

300D
300S

Reference for safety!

Please read this reference carefully and use this unit properly. Reference is for keeping safety and preventing damage of property.

USER'S MANUAL

Reference for safety

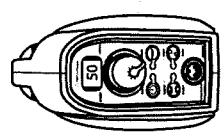








■ Installation

- Do not install on unstable location.
- Please keep all vents opened
- Do not install in a location where exposed a direct ray of light.
- Please use in a place where temperature is from 0 degree to 40 degree centigrade.
- Please don't use in high temperature and humidity or in the dust.

■ While working

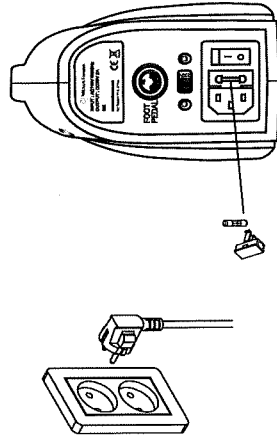
- Do not drop or shock while motor rotating.
- Do not leave a motor being turned on.
- Do not turn off power switch when motor is on.
- Please wear protective goggles to prevent eyes when cutting or grinding.

Components

-  ① CONTROL UNIT (1pcs)
-  ② Handpiece(1pcs)
-  ③ Handpiece 3 pin Cord (1pcs)
-  ④ Foot Speed Control (Optional)
-  ⑤ On/Off Switch (Optional)
-  ⑥ Rubber Stand(1pcs)
-  ⑦ Power Cord(1pcs)
-  ⑧ Carbon Brush(1pair)
-  ⑨ Chuck Wrench(1pcs)

Electric power

AC 110V, 50/60Hz



■ Main Power

- Please insert power cord to outlet after confirming AC 110V 50/60Hz
- This unit is set with AC200-240V 50/60Hz when taking goods out of the company.

- Fuse Specification
250V 3A

■ Others

- Please prevent the machine from coming food and other substances.
- Do not drop alcohol or benzene as there is fire danger.
- Do not assembly, repair, modify recklessly.



▲ Warning/Notice

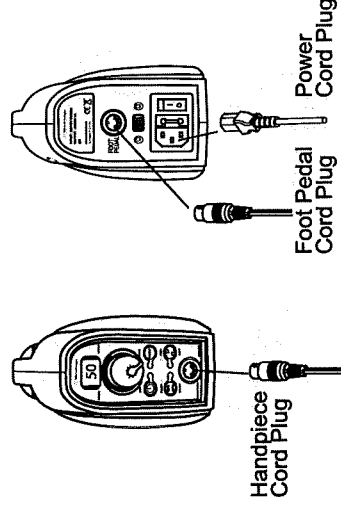


Warning This mark is used when user's misusing can cause death or severe injury



Notice This mark is used when user's misusing can cause a property loss

Electric connection



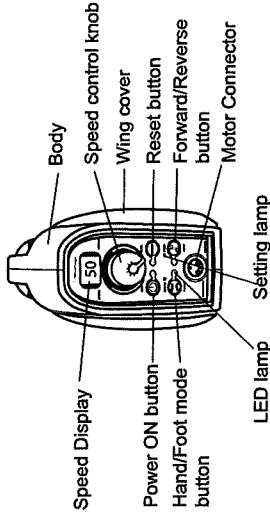
- Please connect the handpiece cord plug to motor connector of control unit after confirming direction.
- Please connect the foot-pedal plug and power cord on rear of control unit after confirming direction.



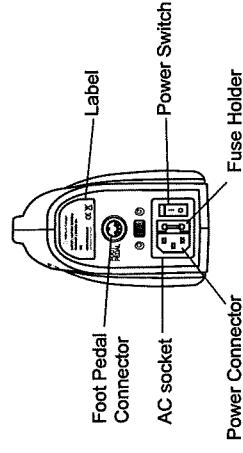
Notice
After connecting all cords, please check safety and then insert power cord to outlet.

Part name

■ Front



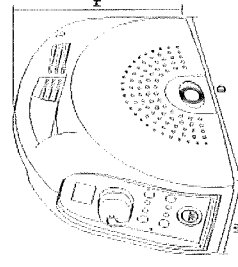
■ Rear



Specification

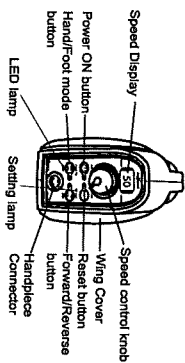
■ Control Unit

REF. NO.	INPUT POWER SOURCE	MAXIMUM LOAD CURRENT	OUTPUT POWER SOURCE	POWER	FUSE	WEIGHT	DIMENSION (mm)
							W * D * H
Anyting-300D	110V 50/60Hz	2.5A	DC 0-32V	120W	250V 3A	2.2KG	81 * 222 * 166
Anyting-300S	110V 50/60Hz	2A	DC 0-32V	100W	250V 3A	1.8KG	78 * 222 * 166

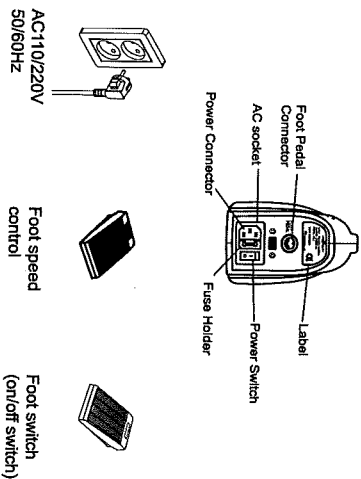


How to operate the control box

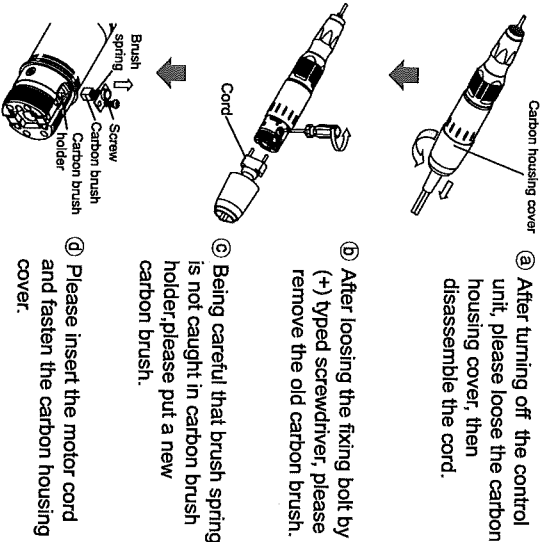
Front



Rear



Replacement of "Carbon Brush"



How to start

- ③ Please confirm that the switch is turned off.
 - ④ Please turn the speed control knob at zero.
 - ⑤ Please insert power supply cord into an outlet.
 - ⑥ Please turn on the power switch on the rear.
- Initial function configuration
 * FWD/REV mode : FWD mode (LED is being "ON")
 * Hand/Foot mode (LED is being "ON")

How to use 'Hand mode'

- ③ Please set up the direction of motor rotation by putting FWD/REV button.
- ④ Please turn the speed control knob to the right-handed screw. Then set up the needed speed.
- ⑤ When you need to stop the motor or to reduce rotation speed, turn the speed control knob to the left-handed screw.

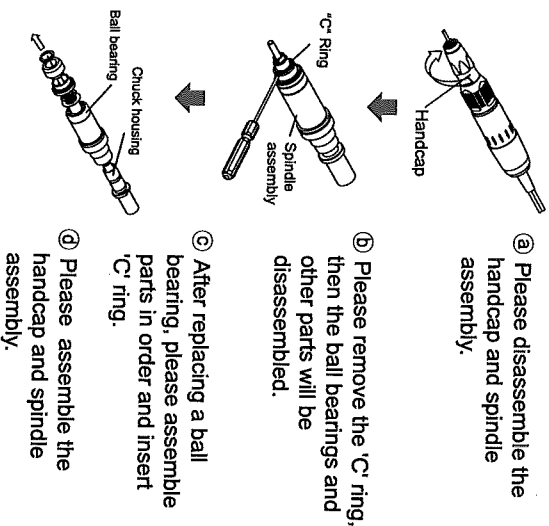
How to work 'Foot mode'

- ③ Please turn the speed control knob at zero.
- ④ Please put Hand/Foot mode button. (LED is Off when 'Foot Mode')
- ⑤ Please set up the needed speed by the speed control knob.
- ⑥ When you step on the foot pedal, the motor rotate.

Notice

- Using for a long time at maximum rotation speed can shorten the life time of handpiece and control unit.
- Please turn off the power switch after confirming the motor stop completely.
- In the case of not using handpiece for a long time, please disconnect the power cord from the outlet.

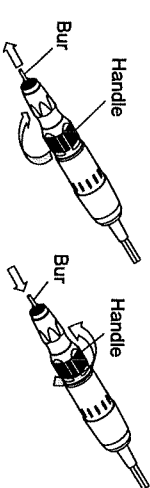
Replacement of the ball bearing.



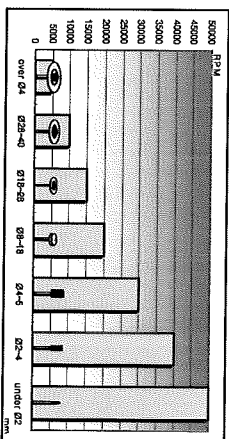
Notice

Please use the handpiece after checking the existence of disorder under idle.

How to treat the handpiece.



Please turn the handle to right-handed screw until sounding 'click', then replace the new 'Bur' and turn the handle to left-handed screw until sounding 'click' to lock the chuck.

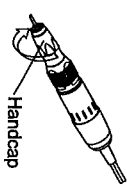


Notice

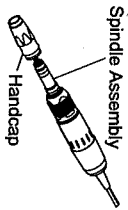
When using the bur, please observe the recommended rotation speed according to outer diameter.

Trouble and Countermeasure

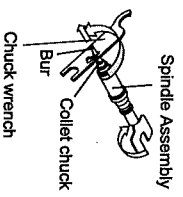
Problem	Check Point	Solution
Power lamp is not light when turning on the power switch	Is the power cord plug connected well? Is the fuse broken?	Please insert the plug of power cord in outlet correctly. Please replace it to designated fuse if it goes on continuously, then ask repair.
Trouble of power switch	Is the cord of motor connected well? Is the chuck opened? Is internal circuit's problem in control unit?	Please insert the motor cord in outlet correctly. Please lock the collect chuck by turning the handle to left-handed screw. Please ask repair.
The motor does not work	Have you used a handpiece high-speed? Please confirm whether the motor shaft rotate by hand?	Turn off the control unit. Please keep it at cool place for 10 minutes and work it. If the motor shaft does not work when the collect chuck is locked, it is problem of handpiece. Please ask repair.
Foot pedal does not work	Is the cord of foot pedal connected well? Is the hand mode selected of foot mode?	Please insert the plug of foot pedal in outlet correctly on the rear. Please change to Foot mode by pulling Hand/Foot mode button. Foot mode is a state that the LED is turned off.
The handpiece make noise	Is the bur broken? Does the motor make noise continuously?	Please remove it after disassembling the handpiece. (Please refer to this instruction for use) Please adjust the RPM properly after referring to the permitted RPM for bur. Please replace it with normal one. Please ask repair.



③ Please turn the Handcap to left-handed screw and disassemble the handcap and spindle assembly.



④ Please turn the chuck to left-handed screw with chuck wrench and chuck joint wrench to disassemble the bur and chuck.



⑤ Please change to new chuck and assemble the handpiece.
 ⑥ Please check it under idle after assembling and use it.

* The life cycle of chuck is 2-3 years and it is flexible according to the workload.

Contact information

MEGATORQUE
 by Vector R & D Inc.
 Head Office
 6824 19th St. #230
 University Place, WA 98466
 877-88DRILL
 Contact
 www.vectorusa.net

If you have a problem, please contact us.

* The replacement period of Carbon brush is about 1 year, but it is flexible according to the workload.