690F SPARE PARTS LIST

No.	Name	No.	Name
1	Rotating screw	44	Rotor
2	Right supporting arm	45	Roller pin
3	ST4X16	46	Oilproof seal ring
4	Dust pipe	47	Front cover of chassis
5	Union joint	48	Windbreak ring
6	Pipe platen	49	ST4X55
7	ST4X14	50	Stator
8	Upper connector	51	Rotor
9	Plastic platen	52	Motor casing
10	Left supporting arm	53	Lower cover of chassis
11	Iron line-pressing plate	54	Brush carrier
12	ST4X12	55	M4X20 Split/flat washer
13	Gland bush	56	Fan blade
14	Plugging sheet	57	Electric capacity
15	Regulating nut	58	M6Toothed nut
16	Little spring	59	Carbon brush
17	Self-locking buckle of socket	60	Inductance
18	ST4X8	61	Upper cover of chassis
19	Lower cover	62	Bearing 696
20	Upper socket	63	M4X10 split washer
21	ST4X6	64	Middle cover
22	Right connection shield	65	Bearing 699
23	Aluminum pipe locking ring	66	Woodruff key
24	Antiskid ring	67	Gear shaft
25	Sealing bush	68	Auger gear
26	Middle connecting pipe	69	Circlip
27	Pin	70	Large helical gear
28	Winding spanner	71	Copper sheathing
29	Screw rod	72	Bearing 6900
30	Left connection shield	73	Circlip
31	Right shield	74	Output shaft
32	Left shield	75	Seal ring
33	Lower connecting pipe	76	Front cover
34	Dust absorption interface	77	M4X15 split washer
35	Cable conductor	78	Iron shot
36	Lower socket	79	Disc
37	Push pedal of switch	80	Brush split washer
38	Governor	81	Brush
39	Protective cover	82	ST4X10 with washer
40	Switch	83	Viscid disk
41	Head capsule	84	M6X16 inner hexagonal
42	Rotating sheath	85	Upper connecting line
43	Dust ring	86	Middle connecting line
88	Square inductance	87	Connecting terminal

DRYWALL SANDER

MODEL: 690F

Please carefully ready this manual before using

Contents

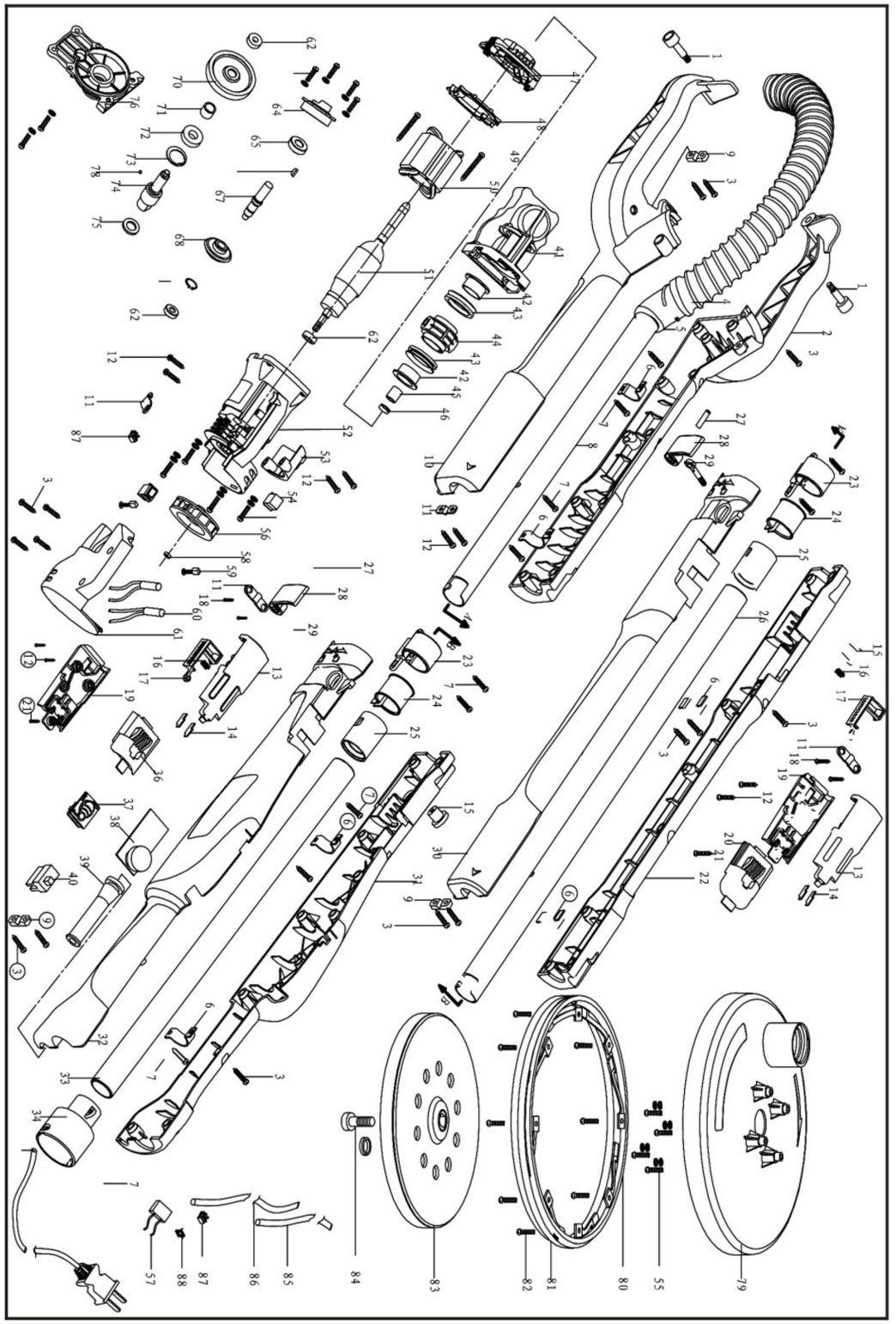


Fig. 12

As shown in Fig. 10, if the operator is close to the target wall, it is recommended to connect 2 parts only as to facilitate the grinding process. As shown in Fig. 11/12, in case that the target wall stays relatively high or far away from the operator, such as the upper part or top of the wall, Grinder shall include 3 parts to better the effect accordingly.

13 Cleaning

Regular cleaning shall be conducted after grinding.

- Cleaning the devices frequently may help to extend operating life and reduce repair rate. It is recommended to clean the connection sets and components of electric motor without application of water.
- Timely cleaning is recommended after the application of the devices.
- Clean the devices with a hairbrush and a piece of dry cloth, or simply blow it with high pressure gas.

1. Warning & Statements

Note: In order to reduce the hazards of fire, electrical shock and injury, etc, the statements listed below shall be taken into consideration upon application of electric tools.

1. Understand your electric tool fully by going through the user manual carefully together with identifying the application, limitation and potential risk accordingly.
2. Adopt protective appliances and act by conforming to the due order strictly.
3. Remove all the regulatory instruments, and form the habit to check about that prior to application of electric tools.
4. Keep the operational site clean. Accidents are most likely to occur in case that the electric tools are used in a messy and dirty place, or on the workbench.
5. Any operation in unsafe conditions is strictly prohibited. Do not use the electric tools in places exposed to damp/moisture, or leave them outside in rainy days. Make sure to keep the operational site bright enough.
6. Keep the children away from the devices. Certain distance shall be guaranteed as for the children in search of on-site operational experience.
7. Actions shall be taken to avoid the workshop accessible by children without permission, such as locking the door, cutting off the power supply or taking away the launch key.
8. Do not use the devices at will. To ensure the overall quality of work piece and maintain security anyway, please use the devices within the design capacity.
9. Use the devices correctly, and do not operate them in

overloading or abnormal status.

10. Ensure appropriate clothing. Do not wear loosen clothes, gloves, tie, knot, etc. which may result in hazards of being entangled by running devices. Prefer shoes with skidproof soles to avoid slipping, and cut the hair to the proper length.
11. Remember to wear protective spectacles. Abundant dust may come out in the buffing process, thus it's necessary to wear dust mask. Glasses in daily use incorporate lens with impact resistance only, which could by no means meet the safety requirements.
12. Hold the work piece tightly, if necessary, you may use a clamp or vice, which appears to be safer than grabbing with hands.
13. Do not place your hands over the twisting disk. Meanwhile, stand still during the operations.
14. Prior to adopting the device, check if the disk suffers from defects as rupture and the sandpaper is well-composed.
15. Ensure tight connections at the disk and other joints.
16. When using the device, remember to hold the handle firmly. Single-hand operations and any intentions to touch the disk are strictly prohibited.
17. Before switching on, the disk shall be away from any contact of other objects.
18. Prior to application, the device shall be powered and switched on to make the disk twist at full speed. Avoid waver arising from installation error and misplaced disk. In case of any malfunction, cut off the power supply and cease the operations at hand immediately.
19. Treat the device maintenance cautiously. Keep the grinder

11. Work Flexibility of Disk

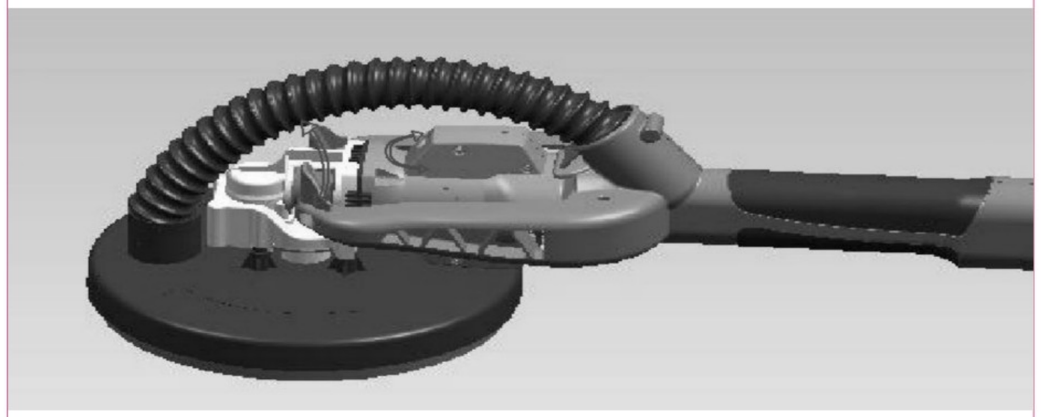


Fig .9

To guarantee comfortable operating experience and promote working efficency and quality, structural flexibility is achieved at the front part of the device, making the workers adapt promptly to various working sites.

12. Application Diagram

Fig. 10

Fig. 11

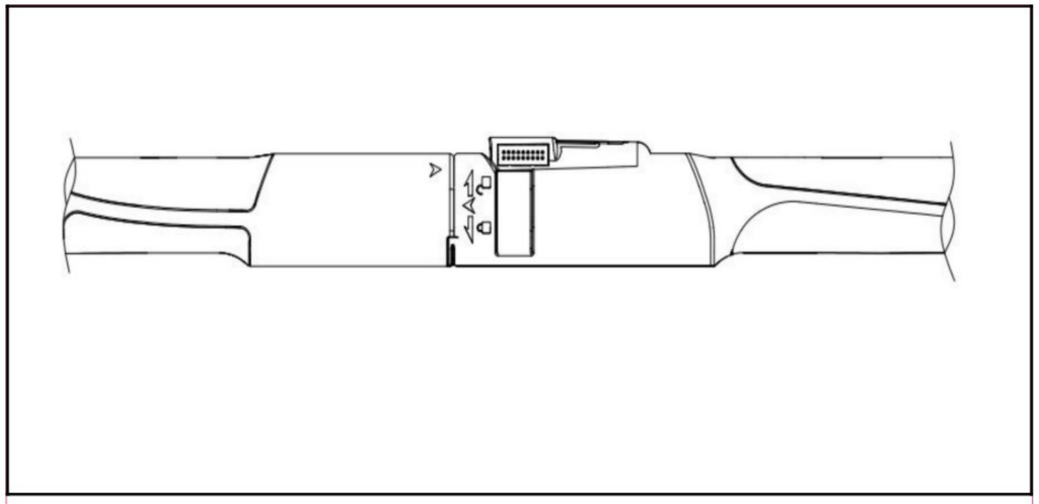


Fig .6-7-8

Connection of Brace & Middle Link Rod (Fig .6-7-8)

Item 1: Brace Assembly

Item 2: Upper Connecting Tube

Item 3: Plug

Item 4: Middle Link Rod

——Installation of Brace & Middle Link Rod

As shown in Fig.6/7, aim precisely at Arrow 5 & Arrow 6, and insert Upper Connecting Tube (Item 2) into Middle Link Rod (Item 4). As shown in Fig.8, adjust Brace Assembly and Upper Connecting Tube, fix them with a screwdriver, and then connect the plug.

——Dismantling of Brace & Middle Link Rod

Disconnect the plug with a screwdriver, turn Middle Link Rod to match 2 arrows precisely and remove the latter accordingly.

sharp and safe at any time. In addition, follow the instructions to lubricate the device and replace appropriate accessories.

20. The power supply must be cut off during maintenance, such as the replacement of accessories, sandpaper, etc.
21. Avoid direct connection to power supply. Before power on, check if the switch for the device is off in advance.
22. Use the accessories according to the instructions. Read through the user manual in details, and select right accessories accordingly, otherwise, it may result in unexpected injuries.
23. Check if the components or devices are damaged at any time. In case of any failure or abrasion, replace the device at once. Otherwise, it may affect working efficiency or even result in accidents.
24. Keep an eye on the device to cancel it. Make sure to switch off, and wait until the device finally ceases.
25. As for adoption of the device, only apply specified parts for replacement.
26. In case of maintenance or replacement, adopt specified spare parts only.

2. ⚠ Voltage

Before connecting electric tool to the socket, make sure that the supply voltage be in accordance with rated voltage. If the former is greater than latter and the device is powered on by mistake, it may result in damage of devices and injuries of people. As for indefinite supply voltage of socket, never try to plug for use. Besides, the damage of devices may also occur if the supply

voltage falls below rated voltage.

3. Device Application

As one of our products, the device belongs to the hand-held electric tools.

The device mainly caters for lime surface, including the interior wall, ceiling, exterior wall, corridor, etc. Remove the painting lime mud from the wall, and make the surface even or smooth. It may promote the wall grinding efficiency and quality by workers.

With various conditions taken into consideration in the design, the device may run at high or low speed. In addition, you may adjust the connection structure at high and low locations respectively, in order to optimize the grinding efficiency and realize user-friendly and compact design.

4. Technical Specifications

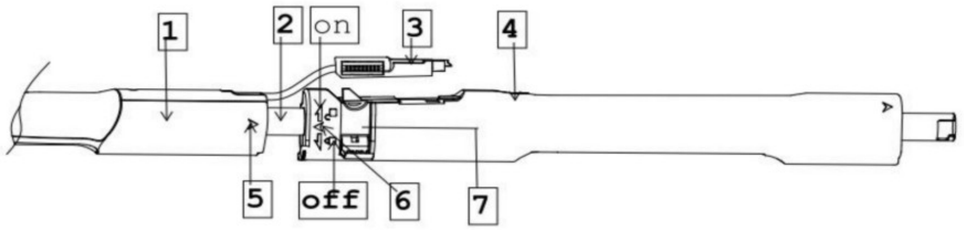
Rated Voltage	110/230（V）
Frequency	50/60（Hz）
Rated Power	600（W）
No-load Speed	450-1050(R/min)
Sandpaper Dimensions	Φ225（mm）
Safety Standard	Ⅱ /▣
Net/Gross Weight	5.3/10.6（kg）
Length	1780mm/1240mm
Packing Dimensions	81*36*24（cm/pc）

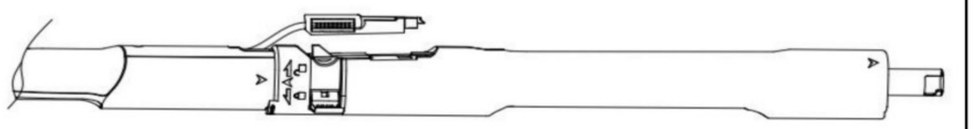
9. Governor (Fig .5**)**

The Governor, as shown in Fig .5, may be used to regulate the speed, so as to facilitate the operations of workers and improve work quality simultaneously.

10. Wiring & Procedures

Due to constant shifting of working environments and conditions, workers fail to adjust themselves timely with traditional grinder applied in the grinding process, which may influence the working efficency and quality. With all the factors concerned in design, Connection Set is adopted to fix the problem above.





——**Installation Guide**（Fig .3）

Firstly, plug the connector on Dust Outlet directly into the interface for Dust Collector (Item 5), and insert Component A directly and fix it tightly with Component B.

——Dismantling Process（Fig .4）

Push down Component B with the multi-blade screwdriver (accessory), or simply hold the right side of Component B, and then pull out Dust Outlet assembly properly.

8. Procedures for Operated Switch (Fig .5**)**

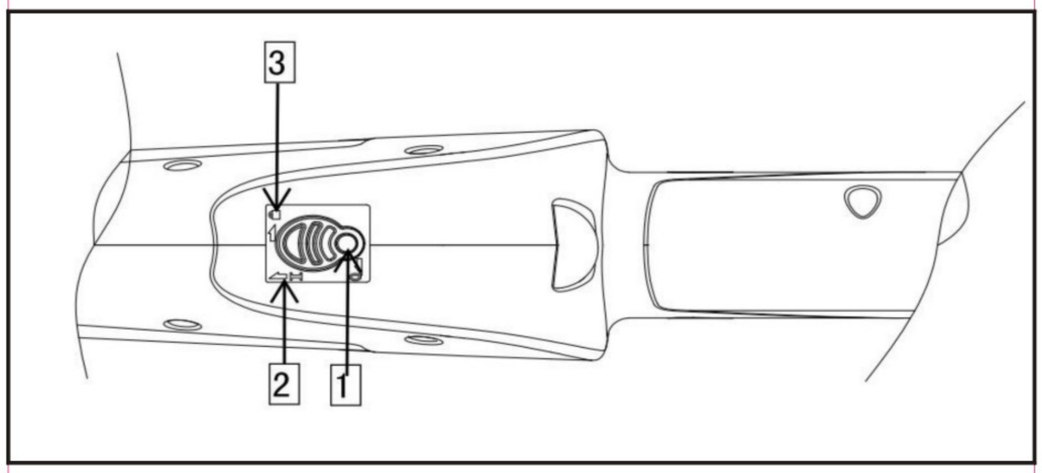


Fig .5

Switch Operations

Operation 1：To remove the switch, simply press Component 1 on the switch.

Operation 2： Push up the switch referring to Direction 2 for power on.

Operation 3：Push up the switch referring to Direction 3 for self-locking function.

5. Structure Overview (Fig.1)

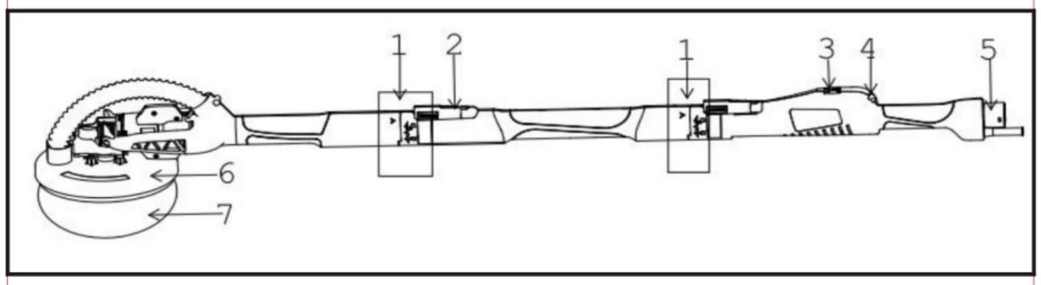


Fig .1

1 Joint
2 Connection Plug
3 Switch
4 Governor
5 Interface for Dust Collector
6 Plastic Disk component
7 Sandpaper

Standard Accessories

Sandpaper: 6 pcs Allen Wrench: 1 pcs

Carbon Brush: 2 pcs Telescopic Dust Outlet: 1.5 m/1 pcs

Multi-blade Screwdriver: 1 pcs

6. Installation & Sandpaper Replacement (Fig.2)

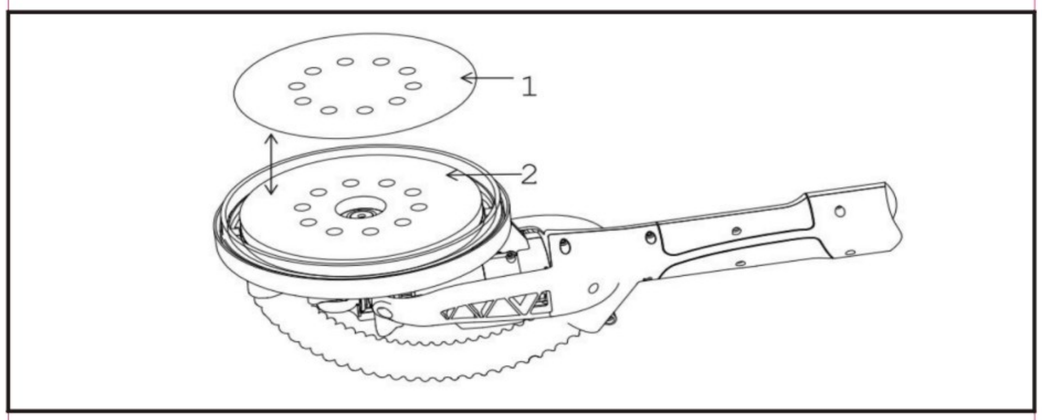


Fig .2

⚠**Note:** Prior to installation or removing the sandpaper, make sure to not only switch off the device, but also cut off the power supply.

——Installation Guide

To ensure the replacement procedures, place the device on the smooth ground prior to installation. Take the sandpaper from the toolbox, and then fix it onto the disk (see Fig .2). The back of the sandpaper (Item 1) will automatically glue with the disk/adhesive disk (Item 2), making both connection and conduction available.

In order to promote the grinding efficiency, it is necessary to change the sandpaper after the device has been operational for a certain period. Firstly, switch off the device and disconnect the socket. Then, remove the previous sandpaper entirely from the disk, so as to lay new sandpaper neatly as well as facilitate future replacement. At last, fix new sandpaper in position.

——Sandpaper Overview

Grinding towards the target wall and object is possible with abrasive grains and sandpaper twisting upon operations. The sandpaper is classified into various categories according to its dimensions. It is recommended to select the sandpaper in accordance with actual size of the disk. The more abrasive grains included on the sandpaper, the better flatness and parallelism can be achieved via grinding, while the grinding efficiency will fall accordingly and vice versa. Therefore, the sandpaper (Φ225mm) is recommended upon actual needs.

⚠ **Warning： Prior to the sandpaper replacement or installation, do read safety precautions and installation guide carefully.**

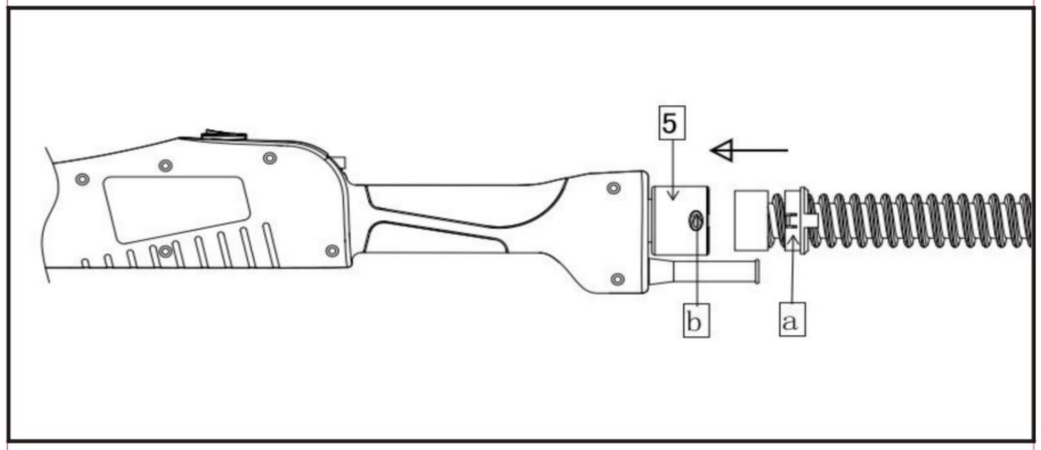


Fig .3

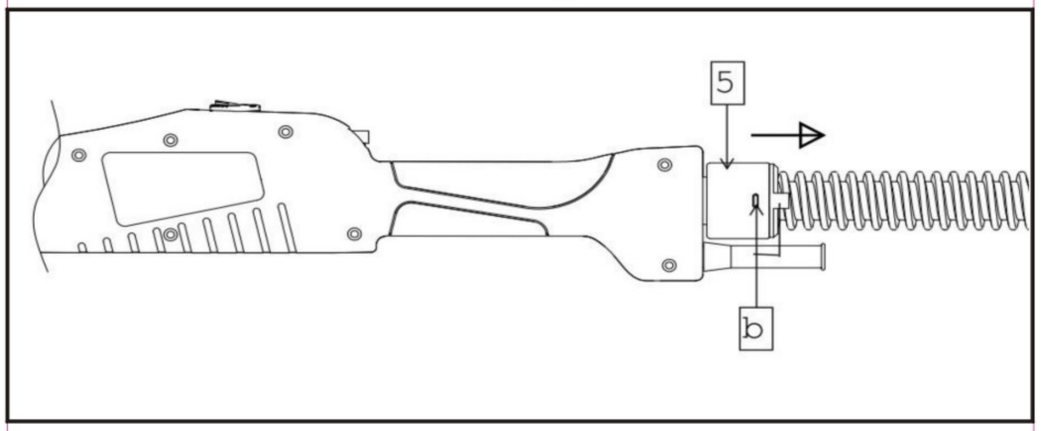


Fig .4

7. Connection Set for Dust Outlet (Fig .3 / 4**)**

As its name implies, it is used for connecting the device to Dust Outlet (accessory). The dust will come out from the wall upon operating the grinder. The device is connected to Dust Collector at back via Connection Set for Dust Outlet, making it possible for the operator to reduce the amount of dust.