

INSTRUCTION MANUAL

ALEKO[®] Drywall Sander

MODEL: 690L



Please carefully read this manual before using
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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 skid proof 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 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 110V AC

Frequency 60 Hz

Rated Power 600 W

No-load Speed 450-1050 Rpm

Sandpaper Dimensions Φ 9 inches (225 mm)

Safety Standard II / □

Net/Gross Weight 11.7 /23.4 Lb (5.3/10.6 kg)

Length 70/49 inches (1780/1240 mm)

Packing Dimensions 32x14x10 inches (810x360x240 mm)

5. Structure Overview (Fig.1)

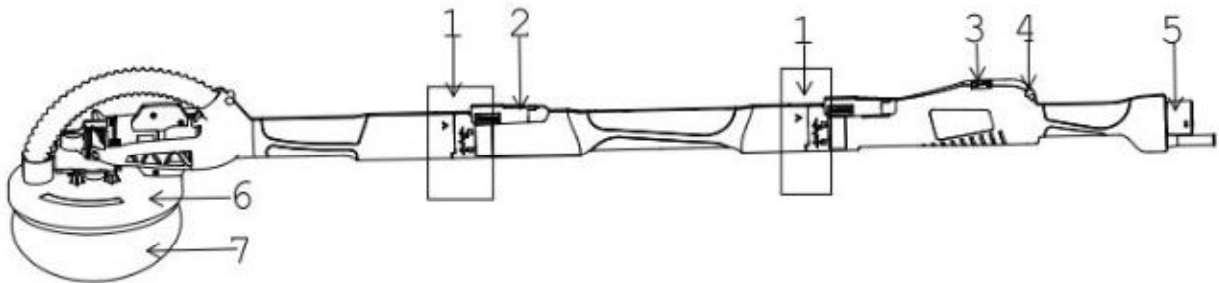


Fig .1

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: 60 inches (1.5 m)

Multi-blade Screwdriver: 1 pcs

6. Installation & Sandpaper Replacement (Fig.2)

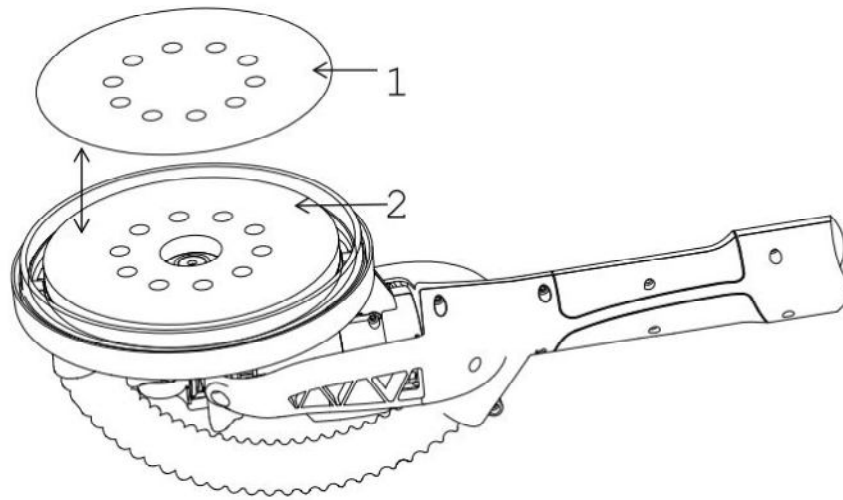


Fig .2

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 $\Phi 9"$ (225mm) is recommended upon actual needs.

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

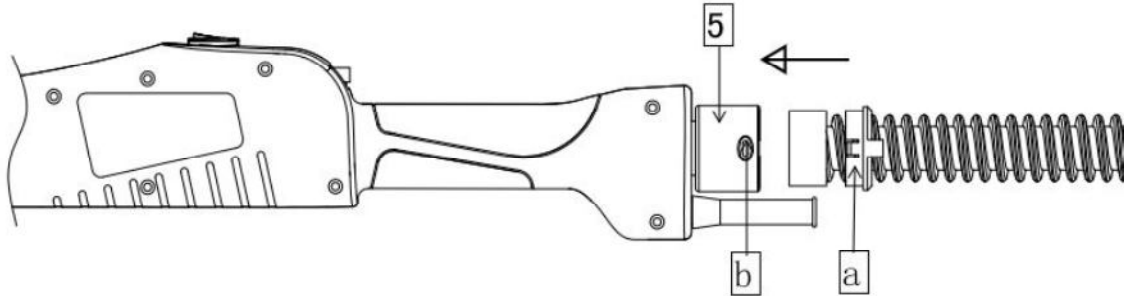


Fig .3

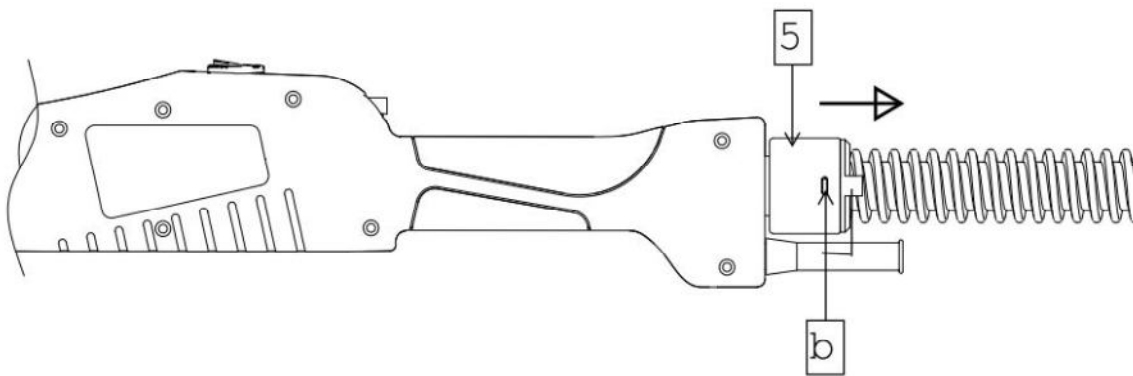


Fig .4

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.

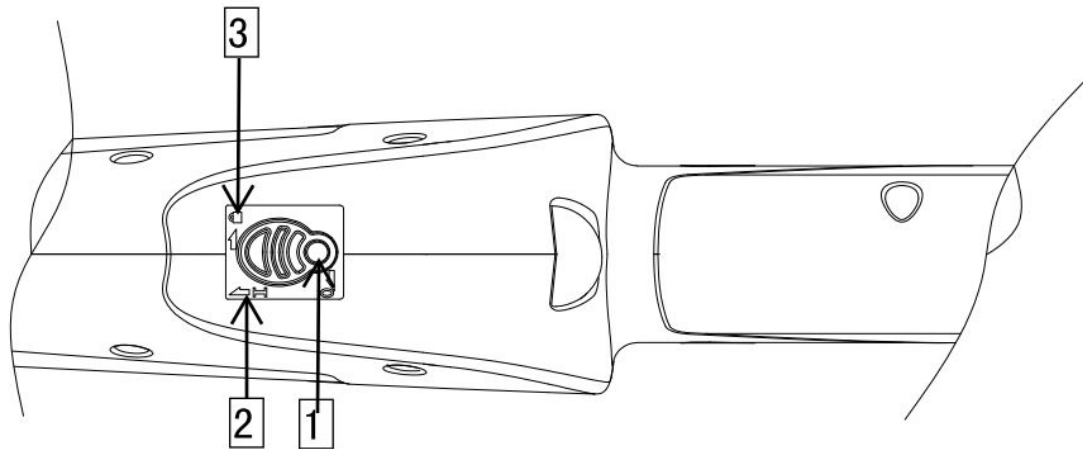
Installation Guide (Fig .3)

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)



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.

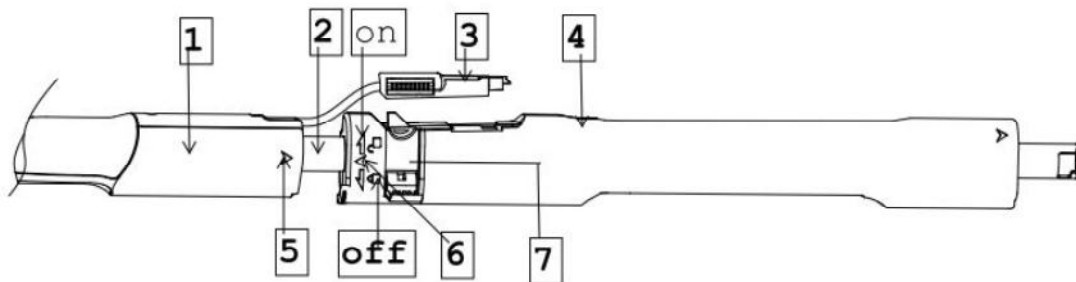
Operation 3 : Push up the switch referring to Direction 3 for self-locking function.

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 efficiency and quality. With all the factors concerned in design, Connection Set is adopted to fix the problem above.



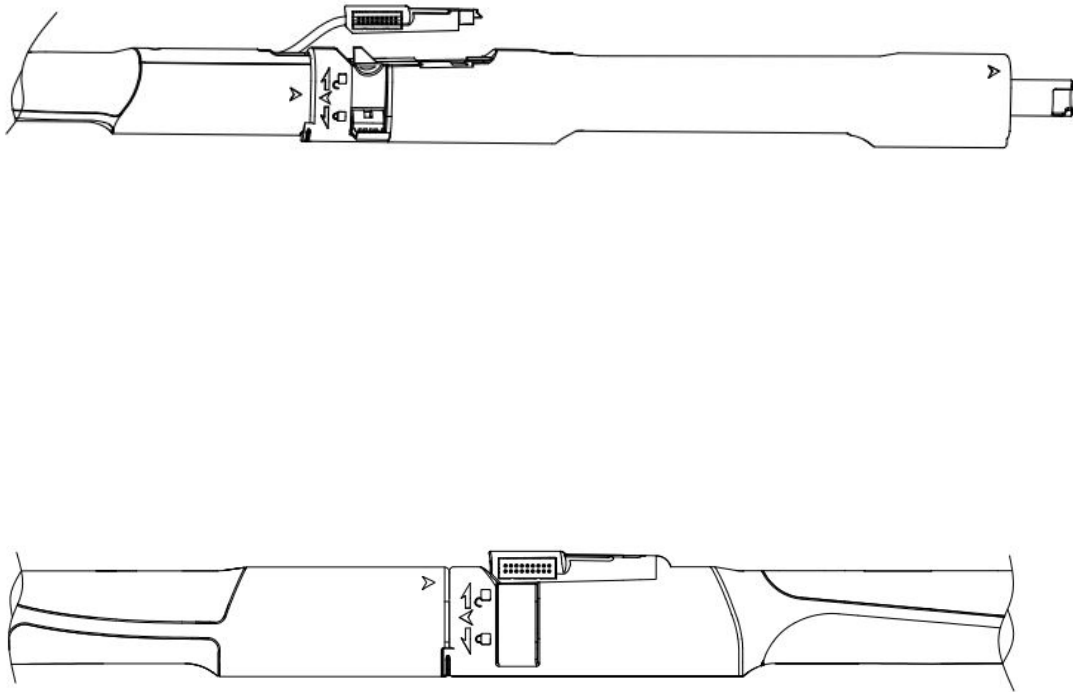


Fig .6-7-8

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.

11. Work Flexibility of Disk

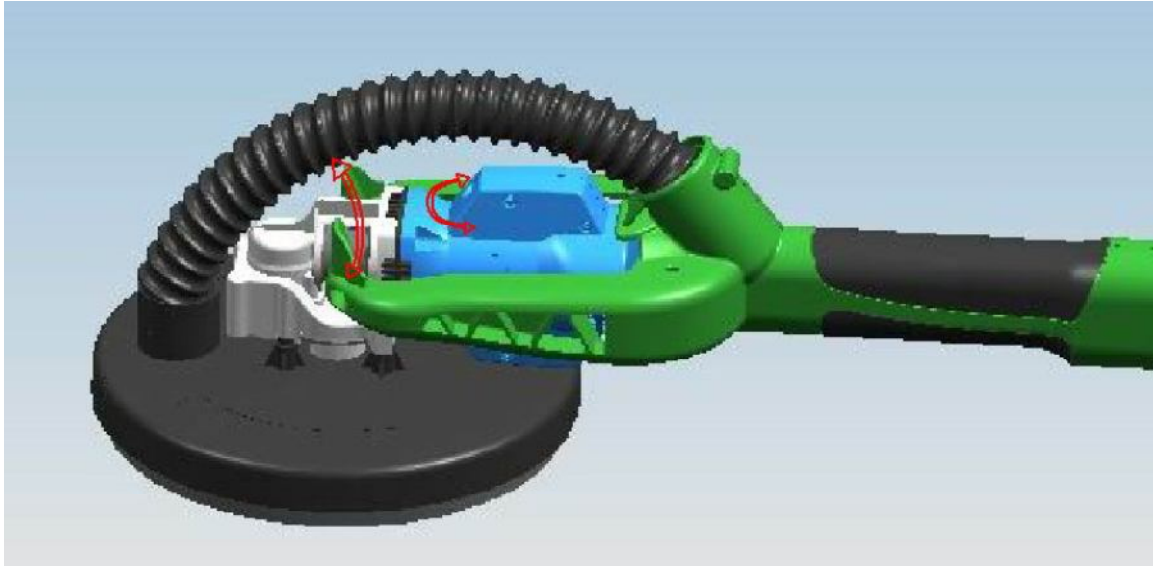


Fig .9

To guarantee comfortable operating experience and promote working efficiency 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. 12

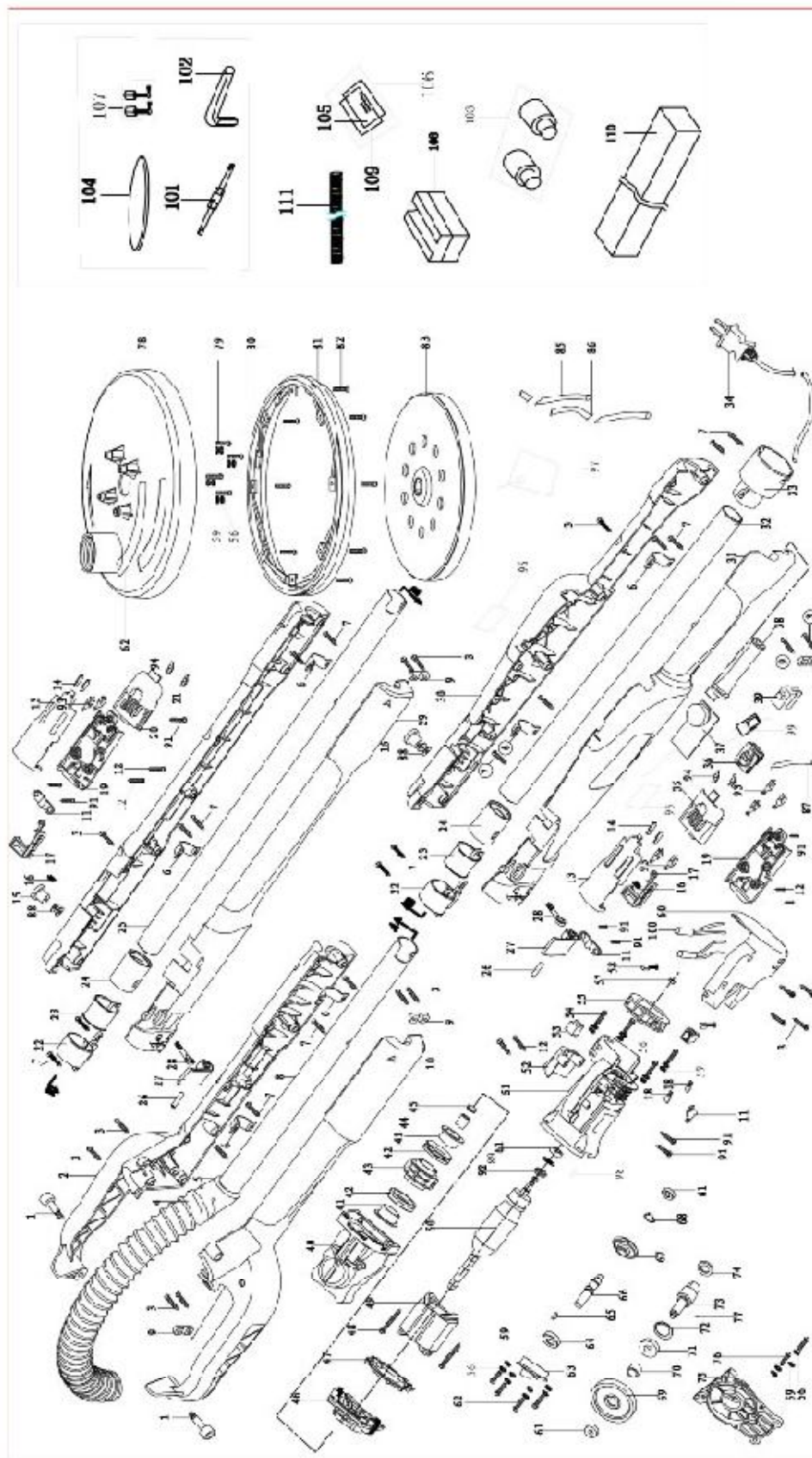
As shown in Fig. 10, if the operator is close to the target wall, it is recommended to connect 2 parts only as to facilitate the grinding process. As shown in Fig. 11/12, in case that the target wall stays relatively high or far away from the operator, such as the upper part or top of the wall, Grinder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

Assembly Diagram



ALEKO® 690 F SPARE PARTS LIST

No.	Name	No.	Name
1	φ6*19 Rotating screw	57	M6Toothed nut
2	Right supporting arm	58	Carbon brush
3	ST4X16	59	φ4 plain cushion
4	Dust pipe	60	Upper cover of chassis
5	Union joint	61	Bearing 696
6	Pipe platen	62	label
7	ST4X14	63	Middle cover
8	Upper connector	64	Bearing 699
9	Plastic platen	65	3*10 Woodruff key
10	Left supporting arm	66	Gear shaft
11	Iron line-pressing plate	67	Auger gear
12	ST4X12	68	8 Circlip
13	Plug Gland bush	69	Large helical gear
14	blade type film threading	70	Copper sheathing
15	Regulating nut	71	Bearing 6900
16	Little spring	72	22 Circlip
17	Self-locking buckle of socket	73	Output shaft
18	φ5 quadrate film threading	74	Seal ring
19	Lower cover of plug	75	Front cover
20	Upper socket	76	M4X16 split washer
21	Right connection shield	77	Iron shot
22	Aluminum pipe locking ring	78	Plastic Disc
23	Antiskid ring	79	Screw
24	Sealing bush	80	Brush split washer
25	Middle connecting pipe	81	Brush
26	Pin	82	ST4X10 with washer
27	Winding spanner	83	Viscid disk
28	Screw rod	84	M6X16 inner hexagonal
29	Left connection shield	85	connecting line 0.88*0.75*6.5*2C
30	Right shield	86	connecting line 0.565*0.75*6.5*2C
31	Left shield	87	connecting line
32	Lower connecting pipe	88	φ5 plain cushion
33	Dust absorption interface	89	paper washer
34	Cable conductor	90	6X18X2 plain cushion
35	Lower socket	91	ST4X10
36	Push pedal of switch	92	dustproof ring
37	Governor	93	φ2.8 spring
38	Cable protective cover	94	blade type plug
39	Switch	95	label
40	Head capsule	96	label
41	Rotating sheath	97	
42	Dust ring	98	φ 2*50MM seal ring
43	rotator	99	Printed Circuie Board
44	Roller pin	100	inductance
45	Oilproof seal ring	Accessory	
46	Front cover of chassis	101	two function screwdriver
47	Windbreak ring	102	5*150MM inner hexagon spanner
48	ST4X60	103	adpater
49	Stator	104	sand paper
50	armature	105	manual
51	Motor casing	106	manual bag
52	Lower cover of chassis	107	carbon brush
53	Brush carrier	108	BMC box
54	M4X25 Split/flat washer	109	
55	Fan blade	110	carton box
56	φ4 shells pad	111	extended dust hose

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