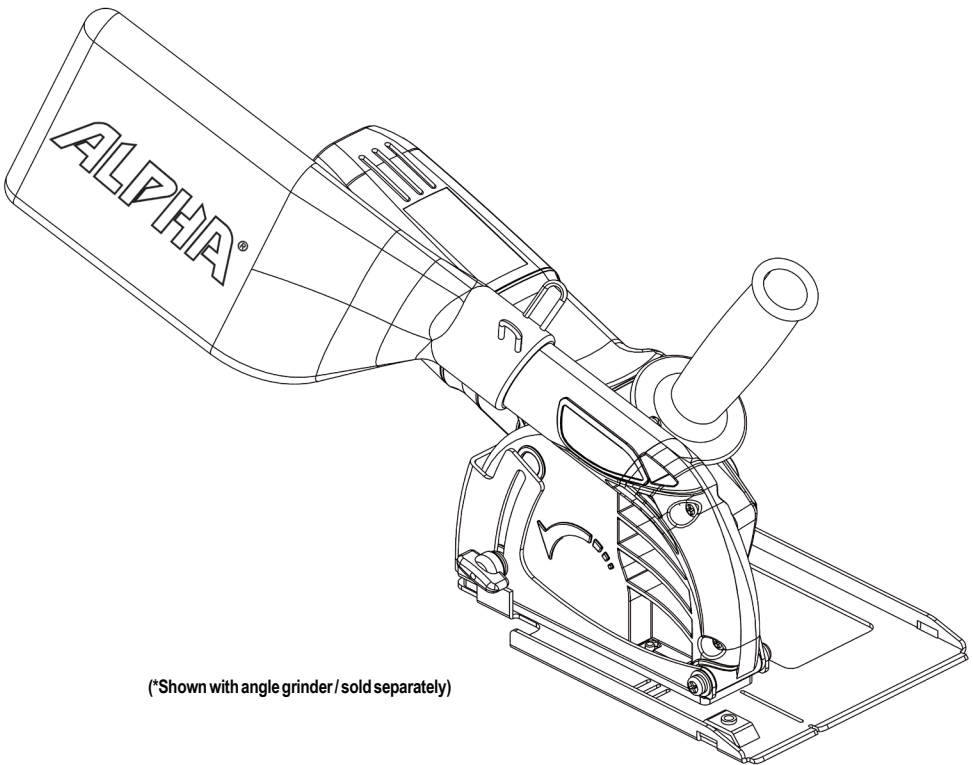


# **Alpha<sup>®</sup> Ecoguard Type C Dust Collection Cover Instruction Manual**



(\*Shown with angle grinder / sold separately)

**Part No: ECOGRDCT  
Version 3**

 **Alpha Professional Tools<sup>®</sup>**

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## INTRODUCTION


Thank you for purchasing the Alpha® Ecoguard Type C, a Hybrid Dust Collection Cover. The Ecoguard Type C can be used without a vacuum, or other dust collection system. To ensure correct use, read this Instruction Manual and the Instruction Manual for the power tool and follow the operating instructions. Keep this manual in a place where operators can access it easily whenever necessary!

### ► ABOUT THE SYMBOLS

According to the hazard level, all safety notes in this manual are classified into “DANGER”, “WARNING”, and “CAUTION”.

 **DANGER!** Death or serious personal injury is imminent when handling this polisher incorrectly.

 **WARNING!** There is a possibility of death or serious personal injury when handling this polisher incorrectly.

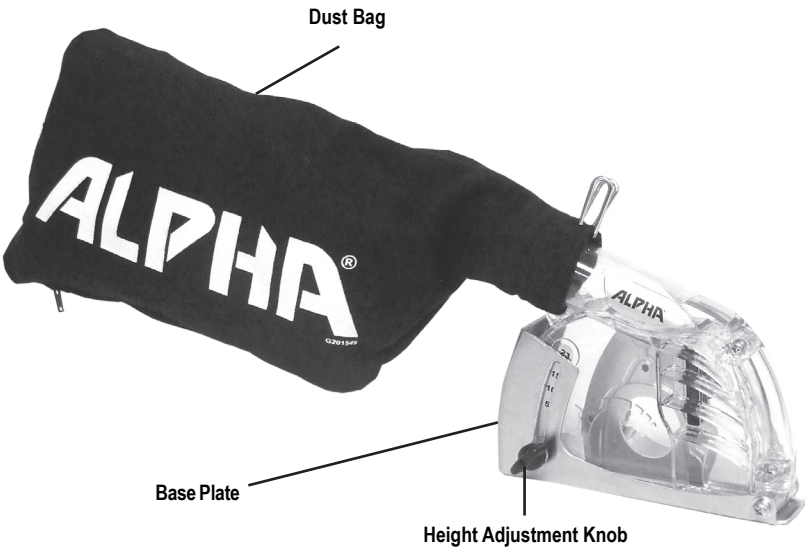
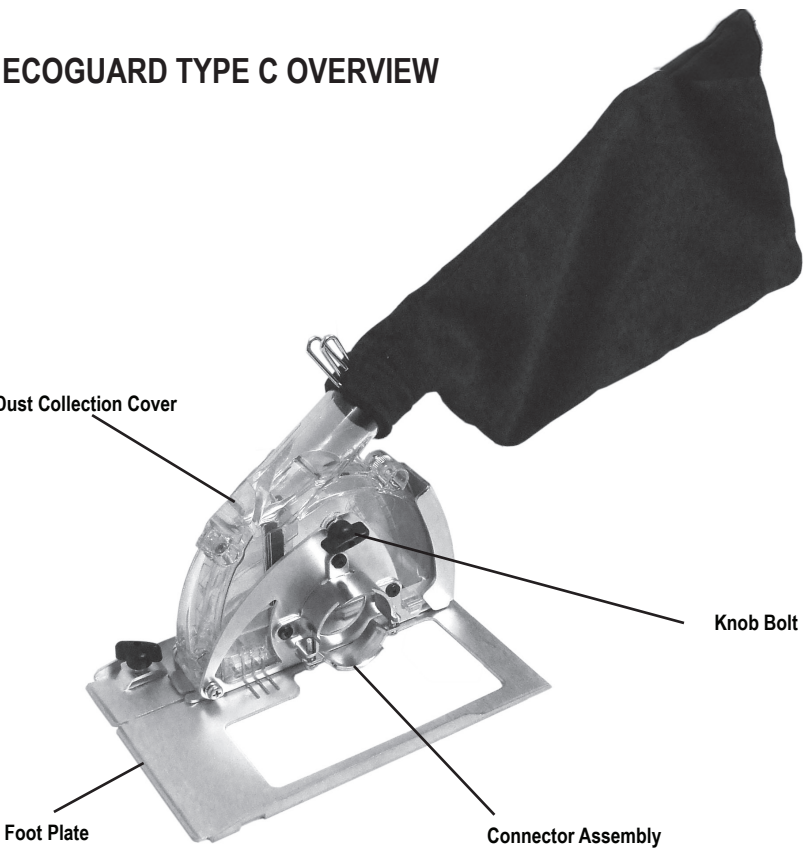
 **CAUTION!** There is a possibility of personal injury or property damage when handling this polisher incorrectly.

**Note:** In some situations, failing to observe WARNING notes could result in death or serious personal injury. Be sure to read and observe the safety notes to ensure safety and correct use of the polisher.

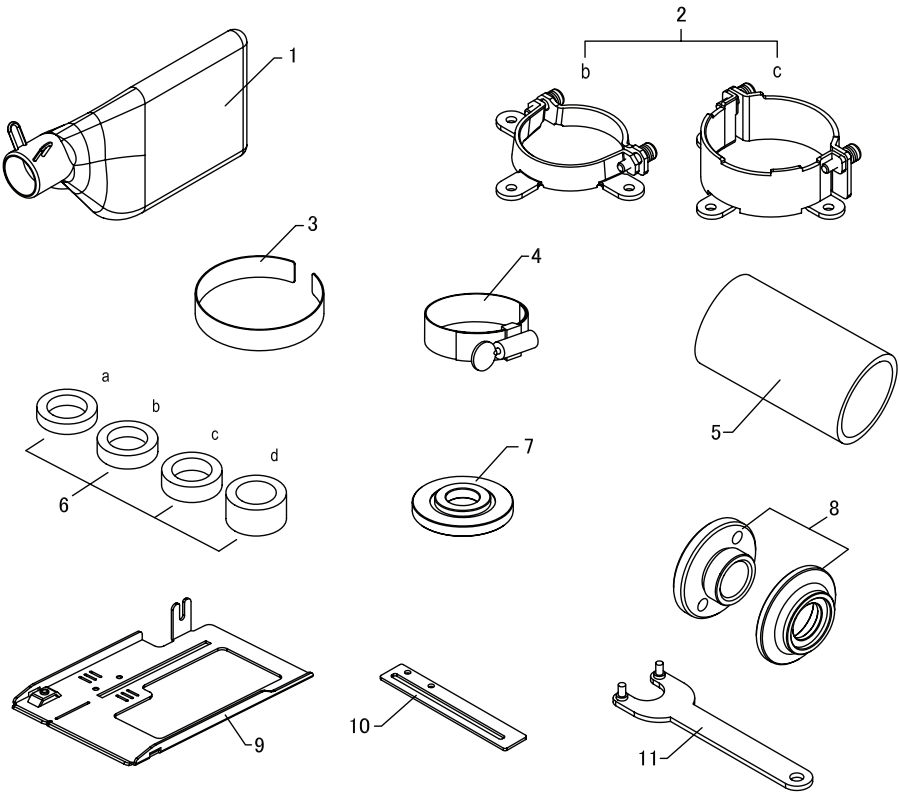
### ► PRECAUTIONS FOR USING DUST COLLECTION COVER

1. The Dust Collection Cover is for use with a 4.5” (115mm) and 5” (125mm) high-speed angle grinder.
2. The Dust Collection Cover is designed for cutting concrete, stone and other masonry products. Do not use when cutting metal or other materials.
3. The Dust Collection Cover is solely designed for use with a diamond cutting wheel. Do not use with any other type of blade such as a conventional abrasive blade or carbide tip saw blade.
4. Always check the Dust Collection Cover for damage, cracks or deformation before starting work. Do not use the Dust Collection Cover if it is damaged, cracked or bent as this could cause to injury.
5. Always wear eye protection. Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
6. Keep the Dust Collection Cover away from gasoline, thinner, petroleum and paraffin.
7. The supplied connector may not connect securely to every high-speed angle grinder. In this case, do not use the Dust Collection Cover.

# ECOGUARD TYPE C OVERVIEW



► ACCESSORIES

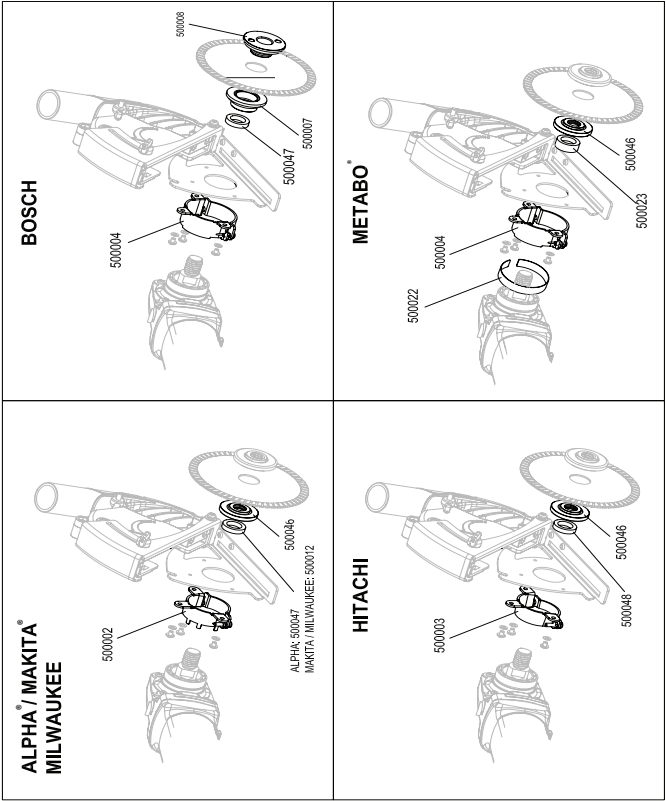


**COMPONENTS**

1. Dust Bag .....	1 pc
2. Additional Connector Assembly for Most 5" Grinders .....	2 pcs
3. Collar .....	1 pc
4. Stainless Steel Hose Band .....	1 pc
5. Rubber Hose Adapter .....	1 pc
6. Spacers .....	4 pcs
7. Base Flange (5/8"-11) .....	1 pc
8. Flange & Locknut Set for Selective Grinders .....	1 set
9. Foot Plate .....	1 pc
10. Bottom Plate .....	1 pc
11. Pin Wrench .....	1 pc

# ECOGUARD TYPE C SPACERS AND CONNECTORS

ECOGUARD TYPE C SPACERS AND CONNECTORS



Reference: The combination of Spacer & Flange

	ALPHA®	MAKITA®	MILWAUKEE	HITACHI	METABO®	BOSCH
	HSG-125	9557 / 9558 9564 / 9565 9566	6117 series 6161 series	G12SS / G12SR3 G12SE2 / CM5SB	WE9-125 / WE14-125 W11-125	1800 / 1801 1803 / 1806E 1810~1812
Flange	500046					500007
Lock Nut	Original					500008
Spacer	500047/T4.0	500012/T5.0		500048/T7.2	500023/T8.6	500047/T4.0

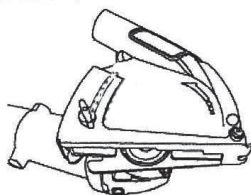
## ► INSTALLATION OF THE DUST COLLECTION COVER

### **WARNING!**

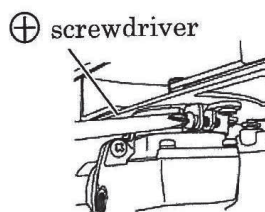
1. Be sure to turn off the high-speed angle grinder and remove the plug from the electrical outlet before attaching and installing the Dust Collection Cover.
2. Make sure the Dust Collection Cover is securely attached; otherwise it may come loose which could cause injury.
3. If you installed the Dust Collection Cover to a high-speed angle grinder but the connector is loose and can not be securely attached, do not use the Dust Collection Cover. Using it in this state could cause injury.

## ► INSTALLING TO ALPHA® OR MAKITA® HIGH-SPEED ANGLE GRINDER

1. Dismantle the original safety guard and diamond cutting wheel from the high-speed angle grinder.
2. Loosen the connector setting screws in the Dust Collection Cover and leave loose.
3. Attach the connector to the wheel guard mount of the high-speed angle grinder. Adjust the angle of the Dust Collection Cover when attaching. (Fig. 1)
4. Using a Phillips screwdriver, tighten the two setting screws securely. (Fig. 2)



(Fig.1)



(Fig.2)

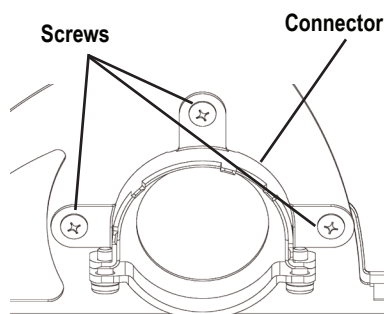
### **CAUTION!**

This Dust Collection Cover is solely designed for application with diamond wheel. Do not use with any other type of tool such as a conventional abrasive cut-off wheel or carbide tip saw blade.

## ► INSTALLING TO OTHER HIGH-SPEED ANGLE GRINDERS WITH INCLUDED OTHER CONNECTORS

If you install the Dust Collection Cover to a high-speed angle grinder but the connector is loose and cannot be securely attached, it may be necessary to change the connector designed for other makes.

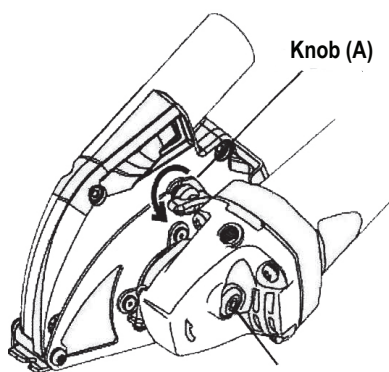
1. Remove the three screws in the connector attached to the Dust Collection Cover. (Fig. 3)
2. Attach the supplied connector by following the instruction in (1) above in reverse. (For Hitachi Grinder use Part No: 500003/ for Metabo® / Bosch use Part No: 500004)
3. Subsequent procedures are the same as for attaching the adapter to a high-speed angle grinder in case changing the connector is not needed.



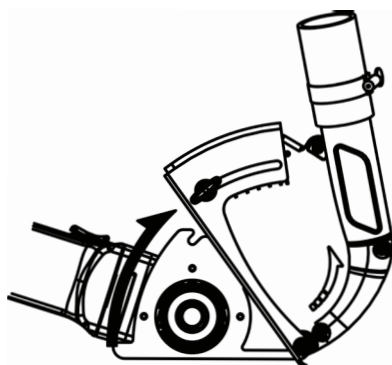
(Fig.3)

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## ► MOUNTING THE DIAMOND WHEEL



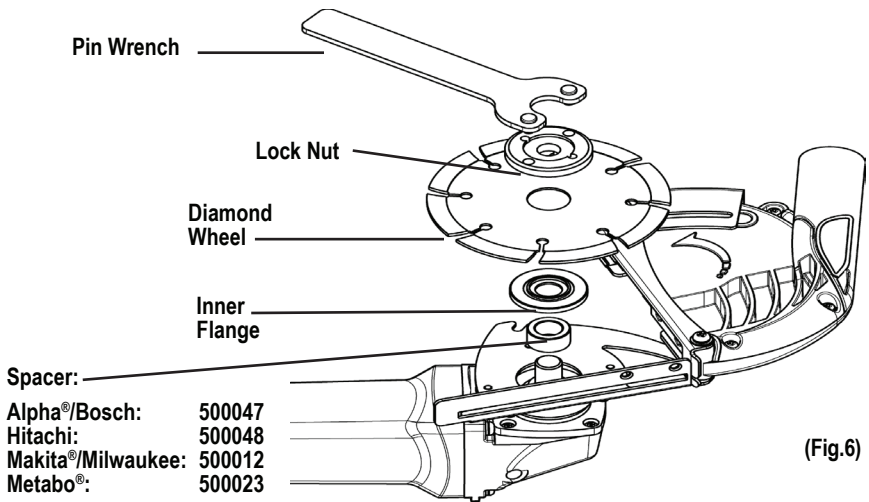
(Fig.4)



(Fig.5)

1. Loosen the Dust Collection Cover Knob (A). (Fig. 4)
2. Slide the Dust Collection Cover open. (Fig.5)

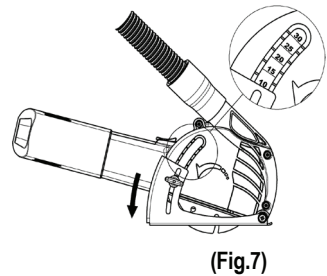




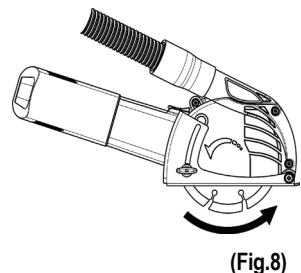
3. Mount the supplied spacer with the power tool or dedicated flange lock nut set on the spindle and then mount the diamond wheel. (Fig. 6)
4. Mount the inner flange on the spindle on top of the diamond wheel with the convex side of the inner flange on the diamond wheel side.
5. Press the lock pin to fix the spindle and securely tighten the lock nut with a pin wrench.
6. Replace the Dust Collection Cover (Fig. 4) and tighten the knob (A).

## ► ADJUSTING THE CUTTING DEPTH

1. Loosen knob (B) on the Dust Collection Cover. (Fig. 7)



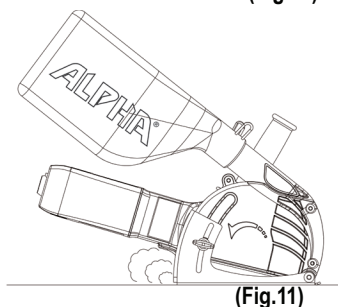
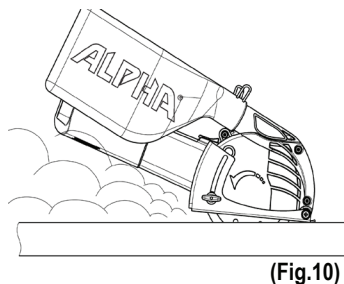
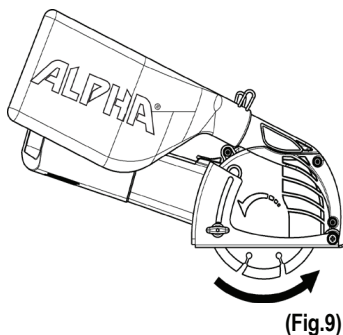
2. Slide the base plate to adjust the cutting depth and tighten knob (B) to fix the depth. (Fig. 8)



## ► OPTION 1 - FREE-HAND CUTTING

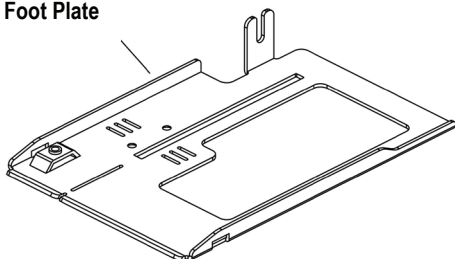
### Cutting Application Using The Supplied Hybrid Dust Bag

1. Securely connect Dust Bag to the duct (Fig.7) making sure that the fastener of the Dust Bag is securely closed.
2. Confirm the direction of Cutting and the Blade rotation.
3. Turn the Grinder on and start cutting application. Dust Bag should be emptied with every 3m of cutting.
4. Ensure there is NO gap between the material and Dust Cover, otherwise the dust could leak out from the bottom. (Fig.8)
5. Keep the Base closed, otherwise the dust will leak out from the opening.
6. Do NOT use a worn-out blade, otherwise the dust collection performance could drop off.
7. Do NOT wash the Dust Bag.
8. When Cutting Free-hand style as shown in Figure 11. The the height adjustment mechanism can be set to control your cutting depth. It is customary for dust to leak slightly from the rear.
9. When the foot plate is attached the height adjustment capability is not available.

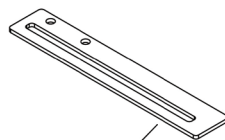


## ► OPTION 2 - USING THE FOOT PLATE

Foot Plate



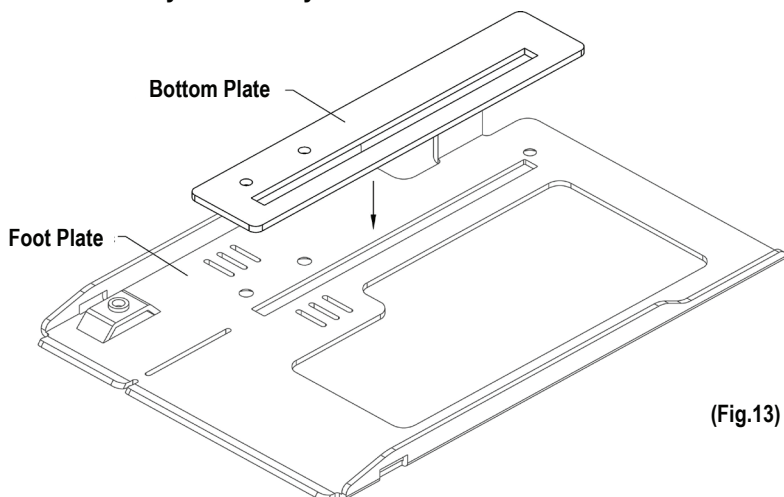
Bottom Plate



(Fig.12)

## ► ATTACHING THE BOTTOM PLATE TO THE FOOT PLATE

1. Remove protective tape to expose adhesive side on the Bottom Plate.
2. Align holes with holes on foot plate
3. Press firmly to securely attach



(Fig.13)

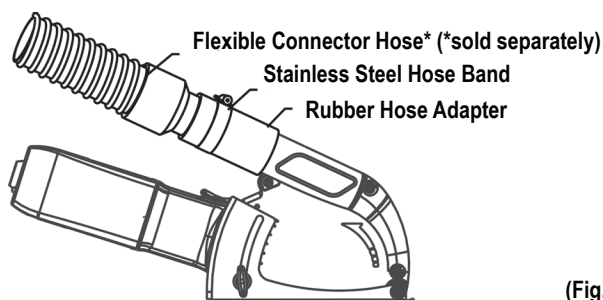
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## ► ATTACHING THE DUST COLLECTOR

Attach the Dust Collection Cover to a hose. (Fig. 10)

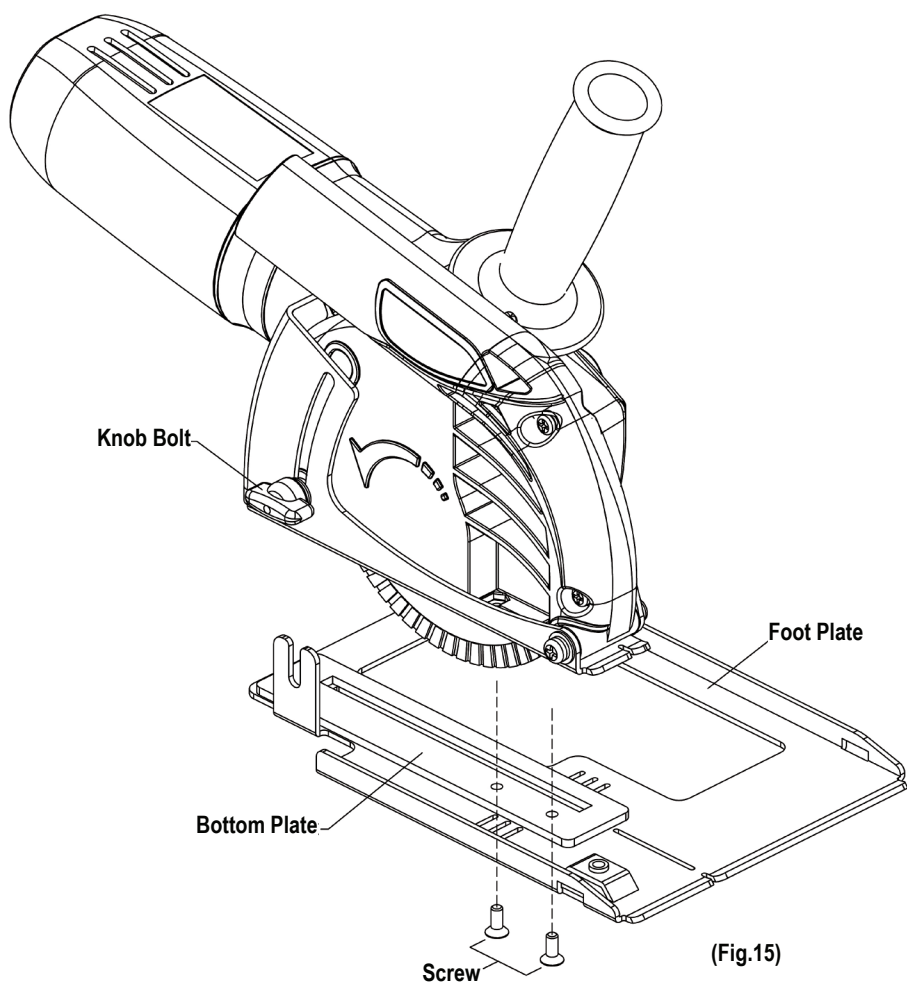
\*The hose opening of the Dust Collection Cover has an outside diameter of 34mm.

If necessary, use the Rubber Hose Adapter and Stainless Hose Band supplied with the Dust Collection Cover.

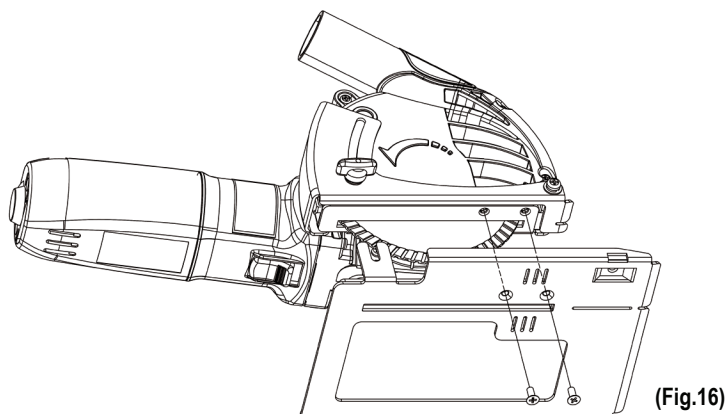


(Fig.14)

## ►ATTACHING THE DUST COLLECTION COVER TO THE FOOT PLATE



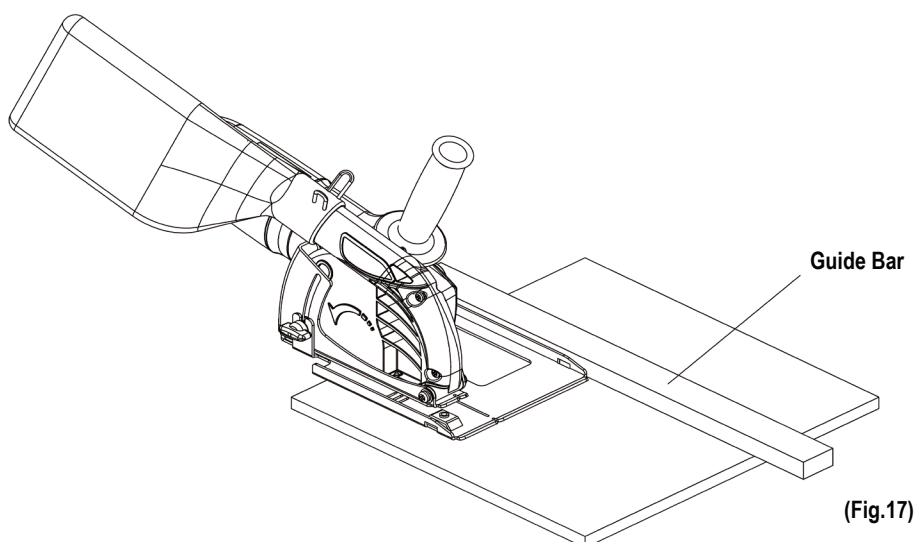
1. Attach the diamond blade to the grinder before installing the foot plate.
2. Loosen the Knob Bolt.



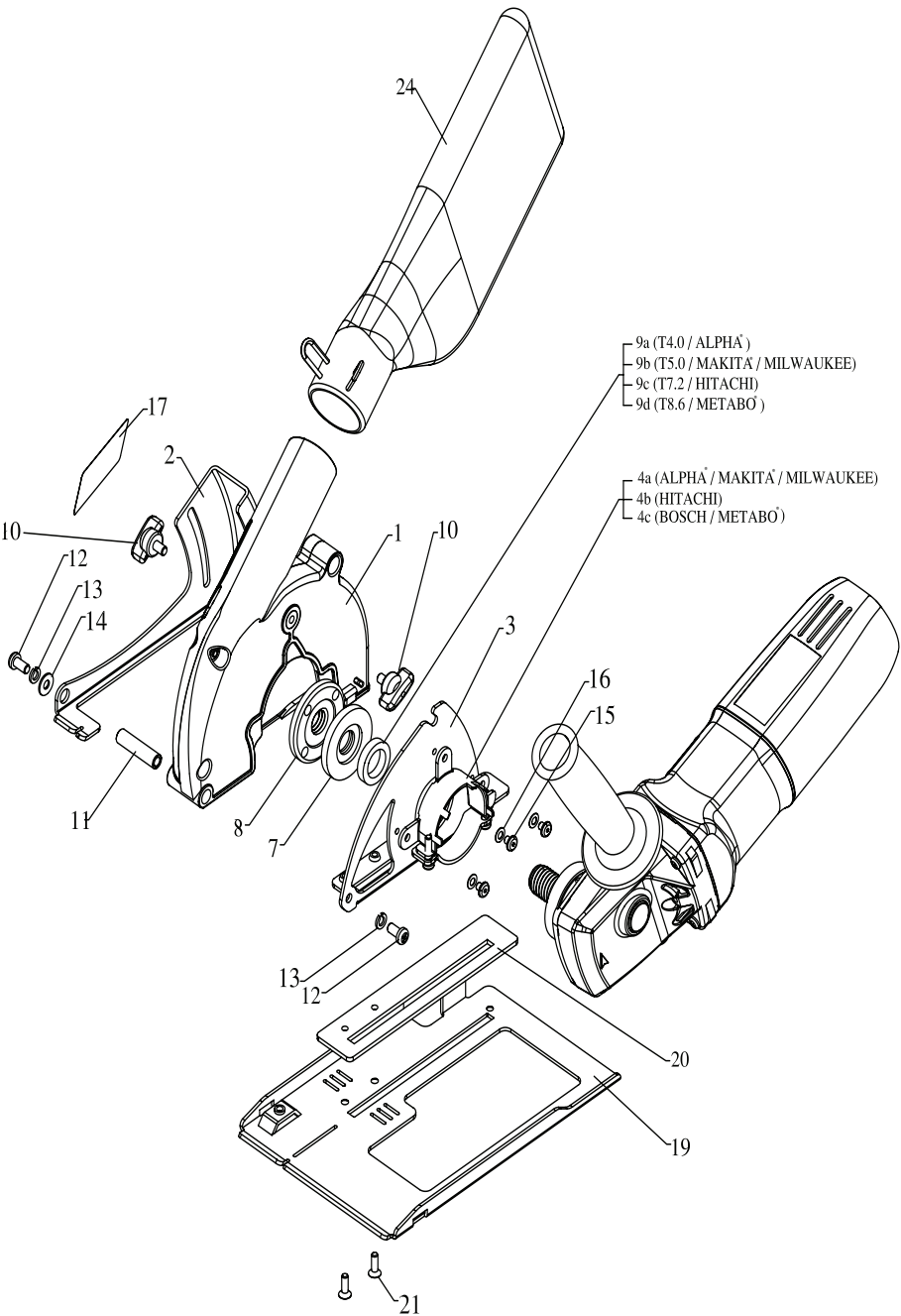
3. Align the foot plate with the holes on the dust collection cover. Attach with the supplied screws.
4. Tighten the Knob Bolt.

#### ► CUTTING APPLICATION USING THE FOOT PLATE

1. For stable operation, it is recommended to use the foot plate.
2. For straight cutting, run the foot plate parallel to the guide bars, as shown in Figure 13.



# ► ALPHA® ECOGUARD TYPE C SCHEMATIC



► ALPHA® ECOGUARD TYPE C PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
1	500043	Cover Assembly	1
2	500044	Base	1
3	500045	Base Plate	1
4a	500002	Connector Assembly (Alpha® / Makita® / Milwaukee)	1
4b	500003	Connector Assembly (Hitachi)	1
4c	500004	Connector Assembly (Metabo® / Bosch)	1
5	500005	Hose Adapter	1
6	500006	Stainless Steel Hose Band	1
7	500046	Base Flange (5/8"-11)	1
8	-	Lock Nut (Original)	-
9a	500047	Spacer-T4.0 (Alpha® / Bosch)	1
9b	500012	Spacer-T5.0 (Makita® / Milwaukee)	1
9c	500048	Spacer-T7.2 (Hitachi)	1
9d	500023	Spacer-T8.6 (Metabo®)	1
10	500049	Knob Bolt (M5/White)	2
11	500028	Shaft	1
12	500017	Screw M5x10	2
13	500018	Spring Washer	2
14	500019	Washer	1
15	500052	Screw M4x5	3
16	500021	Taper Washer	3
17	500051	Brand Label	1
18	500022	Collar M (Metabo®)	1
19	500031	Foot Plate	1
20	500030	Bottom Plate	1
21	500050	Flat Head Screw M4x10	2
22	500007	Inner Flange	1
23	500008	Lock Nut	1
24	201549	Dust Bag	1
26	210105	Pin Wrench	1
Optional Accessory:			
Shown on pg 10	500026	Flexible Connector Hose 18"	1



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