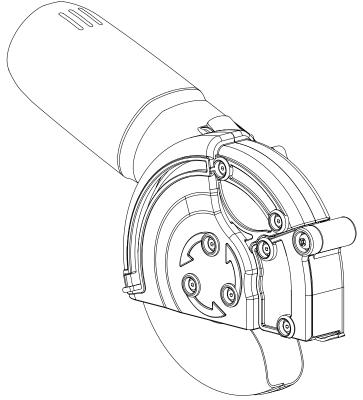


# Alpha® Ecoguard Type M Spark Protection Cover Instruction Manual



(\*Shown with angle grinder/sold separately)

Part No: ECOGRDSB Version 1



### **TABLE OF CONTENTS**

Introduction	3
About The Symbols	3
Precautions For Using Spark Protection Cover	3
Ecoguard Type M Overview	4
Specifications	4
Accessories	5
Components	5
Attachable Grinders	6
Ecoguard Type M Spacers And Connectors	7
Installation Of The Spark Protection Cover	8
Installing To Alpha® Or Makita® Variable-Speed Angle Grinder	8
Replacement of the Side Protectors A and B	9
Installing The Connector	. 10
Installation Of Blade	11
Cutting Application	. 13
Alpha® Ecoguard Type M Parts List	. 14
Alpha® Ecoguard Type M Schematic	. 15

#### INTRODUCTION

Thank you for purchasing the Alpha® Ecoguard Type M aka Spark Buster. 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.

MARNING! There is a possibility of death or serious personal injury

when handling this polisher incorrectly.

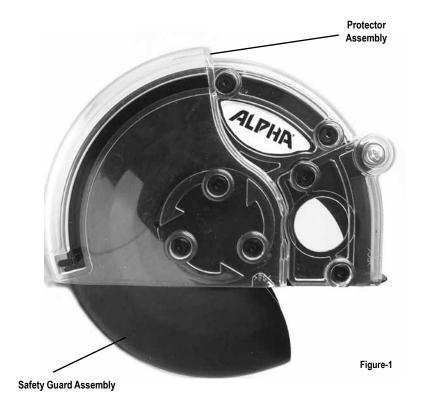
CAUTION! There is a possibility of personal injury or property damage when handling this polisher incorrectly.

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 SPARK PROTECTION COVER

- 1. The Spark Protection Cover is for use with a 4.5" (115mm), 5" (125mm) or 6" (150mm) variable-speed angle grinder.
- 2. The Spark Protection Cover is designed for metal cutting of ferrous materials such as metal studs, pipe, cast iron and angle iron.
- 3. Be sure to wear protective goggles, dust mask, protective footwear, earplugs and other protective equipment when working.
- 4. Confirm that Blade does not touch inside of the Spark Protection Cover.
- 5. Keep Spark Protection Cover away from gasoline, thinner, petroleum and paraffin.
- Always check the Spark Protection Cover for damage, cracks or deformation before starting work. Do not use the Spark Collection Cover if it is damaged, cracked or bent as this could cause to injury.
- 7. The capacity of max. rotating speed of the blade must be higher than that of the Grinder.
- The supplied connector may not connect securely to every variablespeed angle grinder. In this case, do not use the Spark Protection Cover.

#### **ECOGUARD TYPE M OVERVIEW**



#### **▶** SPECIFICATIONS

Model Code	ECOGRDSB
Attachable Blad	de7/8" (22.23mm) Tipped Saw Blade, Abrasive Cutting Wheel, Diamond Blades
• .	Do Not Cut the thick material exceeding the capacity of the Grinder)
Weight	1.7lbs / 780g (Main Unit)
Attachable Grin	dersSEE CHART ON PAGE 6

## **ACCESSORIES**

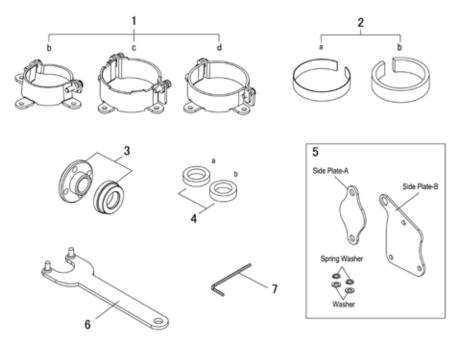


Figure-2

#### **►** COMPONENTS

1.	Additional Connector Assembly for Most 5" Grinders	3pcs
2.	Collar	2 pcs
3.	Flange & Lock Nut Set	1 Set
4.	Spacers	2 pcs
5.	Side Plates & Washer Set	1 Set
6.	Pin Wrench	1 pc
7.	Hex. Wrench	1 nc

## **ATTACHABLE GRINDERS**

GRINDER	SIZE	MODEL	GRINDER	SIZE	MODEL	GRINDER	SIZE	MODEL
ALPHA®	5"	HSG-125			1800		4-1/2"	D28110
	4-1/2"	GA4530	воѕсн	4-1/2"	1810PS			D28112
		GA4534			1810PSD	DEWALT		D28402
		9564CV		5"	1801		4-1/2" / 5"	D28065
		9564PC			1803EVS			D28114
		9557NB			1811PS			D28115
		9557PB			1821			D28131
		GA5010Z			1821D		6"	D28140
MAIZITA		GA5020		6"	1806E			D28144
MAKITA	_	GA5020Y		6"	1812PSD			6130-33
	5"	9558PB			W8-115		4/1/2"	6140-30
		9565CV		4-1/2"	W8-115 Quick			6146-30
		9565PC			W8-115 QuickProtect			6146-31
		GA6020			W8-125 Quick	MILWAUKEE		6146-33
	6"	GA6010Z			W11-125 Quick			6147-30
	6.	9566CV	METABO	5"	WA11-125			6147-31
		9566PC			Quick			6121-30
	4-1/2"	G12SA3			WE9-125 Quick			6121-31
		G12SE2			WE14-125 Plus		5"	6117-30
		G12SE2P9			WE14-125 VS			6117-31
		G12SVA			WP8-125 QuickProtect			6117-33
LUTACLU		G12SR3			WP11-125			6117-33D
HITACHI		G12SS			QuickProtect			6121-31A
		G13SC2			WEPA14-125 QuickProtect		6"	6124-30
		G13SC2P9			W11-150 Quick			6124-31
	5"	G13SP			WE14-150			6161-30
		G13VA			Quick WEP14-150			6161-31
				6"	QuickProtect			6161-33
					WEPA14-150 QuickProtect			
					WP11-150			
					QuickProtect			

#### **ECOGUARD TYPE M SPACERS AND CONNECTORS**

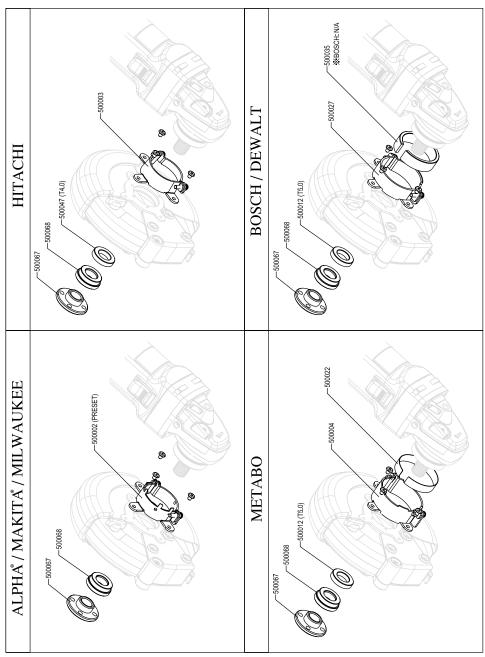


Figure-3

#### INSTALLATION OF THE SPARK PROTECTION COVER

#### ↑ WARNING!

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

# ► INSTALLING TO ALPHA®, MAKITA® OR MILWAUKEE VARIABLE-SPEED ANGLE GRINDER

- 1. Dismantle the original safety guard from the variable-speed angle grinder.
- 2. Remove the screws from the head of the grinder.
- 3. Turn the grinder body to move the switch (SW) to the upper position. (Switch should not touch the workpiece)
- 4. Re-tighten the screws to secure.

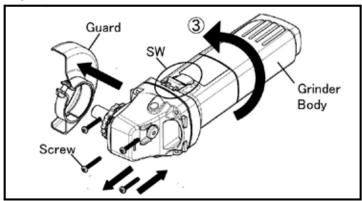


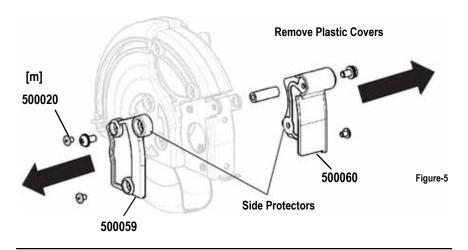
Figure-4

#### REPLACEMENT OF THE SIDE PROTECTOR A & B

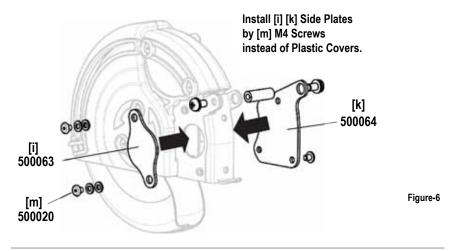
#### **⚠** WARNING!

Be sure to remove plastic covers and replace with Side Plates A and B (Part no. 500063 & 500064) before use.

#### Step 1



#### Step 2



# INSTALLING THE CONNECTOR & THE COMBINATION FLANGE, LOCKNUT & SPACER

Choose the proper Connector for the Grinder.
 (See below)



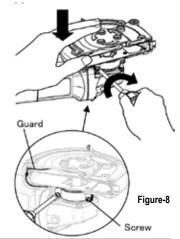
Figure-7

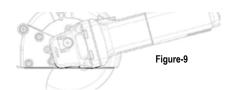
	ALPHA® MAKITA® MILWAUKEE	НІТАСНІ	воѕсн	МЕТАВО	DEWALT	
Connector & Collar	FACTORY PRESET					
Flange	500068					
Lock Nut	500067					
Spacer	N/A	500047/T4.0		500012/T5.0		

#### **⚠** WARNING!

Be sure to turn off the grinder and remove the plug from the electrical outlet before installation.

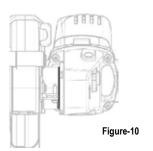
Open the guard of the spark protection cover and attach to the Grinder by tightening the screws on the Connector.





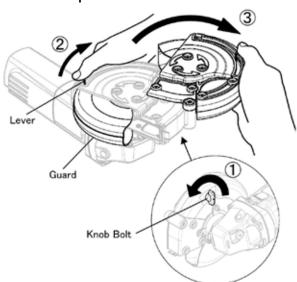
3. Adjust the angle of the Grinder so that it sits flat on the workpiece.

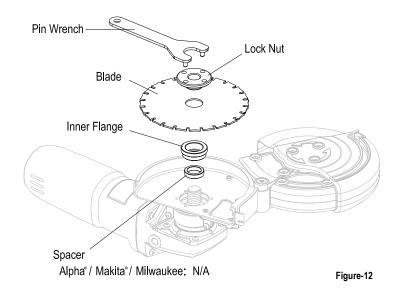
4. Tightly secure the Spark Collection Cover flush against the grinder.



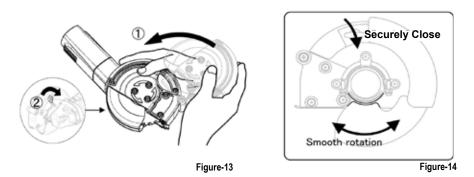
#### **INSTALLATION OF BLADE**

- 1. Loosen the Knob Bolt to open the cover.
- 2. Press down on Lever to release.
- 3. Slide protector cover open.





4. Set the blade with ring and base Flange, then tighten the wheel nut.



5. Close Main Unit and tighten Knob Bolt.

# **⚠** WARNING!

Confirm the Guard is moving smoothly

#### **CUTTING APPLICATION**

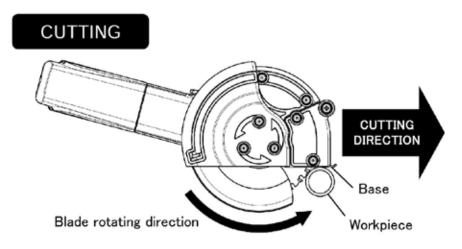


Figure-15

- 1. Turn on the switch of the grinder
- 2. Set the base on workpiece
- 3. Slowly push the grinder forward and start cutting

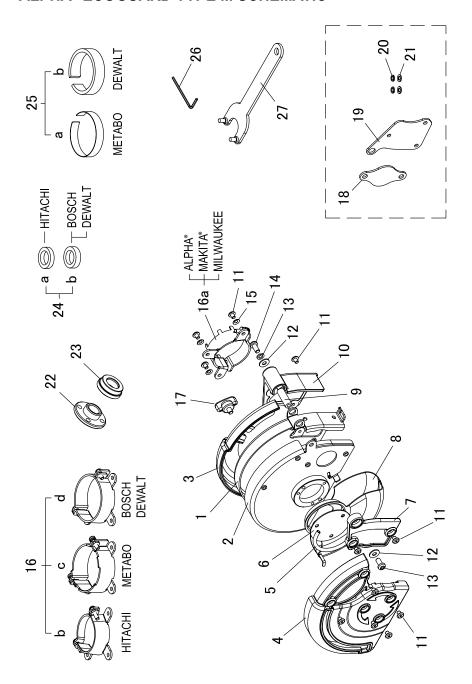
#### ↑ WARNING!

- DO NOT contact the rotating Blade to the orkpiece directly. (Securely set the Base on workpiece first)
- Confirm the direction of cutting and Blade rotation.
- · Hold the workpiece with clamping devices

# ALPHA® ECOGUARD TYPE M PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
1	500054	Main Guard-A	1
2	500055	Main Guard-B	1
3 & 4	500056	Protector Assembly	1
5	500057	Spring	1
6	500058	Holder Plate	1
7	500059	Side Protector-A	1
8	500061	Safety Guard Assembly	1
9	500062	Sleeve	1
10	500060	Side Protector-B	1
11	500020	Flat Head Screw M4x5	13
12	500019	Washer M5	2
13	500018	Spring Washer M5	1
14	500017	Screw M5x10	1
15	500021	Taper Washer	3
16a	500002	Connector Assembly (Alpha® /Makita®/Milwaukee)	1
16b	500003	Connector Assembly (Hitachi)	1
16c	500004	Connector Assembly (Metabo)	1
16d	500027	Connector Assembly (Bosch/Dewalt)	1
17	500049	Knob Bolt (M5/White)	1
18	500063	Side Plate-A	1
19	500064	Side Plate-B	1
20	500065	Spring Washer M4	2
21	500066	Washer M4	2
22	500067	Lock Nut	1
23	500068	Inner Flange	1
24a	500047	Spacer (T4.0/Hitachi)	1
24b	500012	Spacer (T5.0/Metabo/Bosch/Dewalt)	1
25a	500022	Collar (Metabo)	1
25b	500035	Collar (Dewalt)	1
26	500024	Hex. Wrench	1
27	210105	Pin Wrench	1

### **ALPHA® ECOGUARD TYPE M SCHEMATIC**





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