

⚠ WARNING

- Confirm compatibility of Grinder and Blade before use.
- Read the instruction manual for the SPARK BUSTER, the Grinder, and the Blade before use.
- Be sure to wear protective goggles, dust mask, protective footwear, earplugs and other protective equipment when working.
- Ensure the SPARK BUSTER is securely mounted onto the Grinder.
- Confirm the Blade does not rub on the inside of the SPARK BUSTER.
- Keep SPARK BUSTER away from gasoline, thinners, petroleum and paraffin.
- Do not use SPARK BUSTER when it is damaged, cracked or bent as this could lead to injury.
- Do NOT fit a Blade that exceeds the capacity of the Grinder.

⚠ SAFETY INSTRUCTIONS FOR SAWS WITH INNER PENDULUM GUARD

(a) Check the lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.

If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depth of cut.

(b) Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.

Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

(c) Lower guard should be retracted manually only for special cuts such as “plunge cuts” and “compound cuts”.

Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released.

For all other sawing, the lower guard should operate automatically.

(d) Always observe that the lower guard is covering the blade before placing saw down on bench or floor.

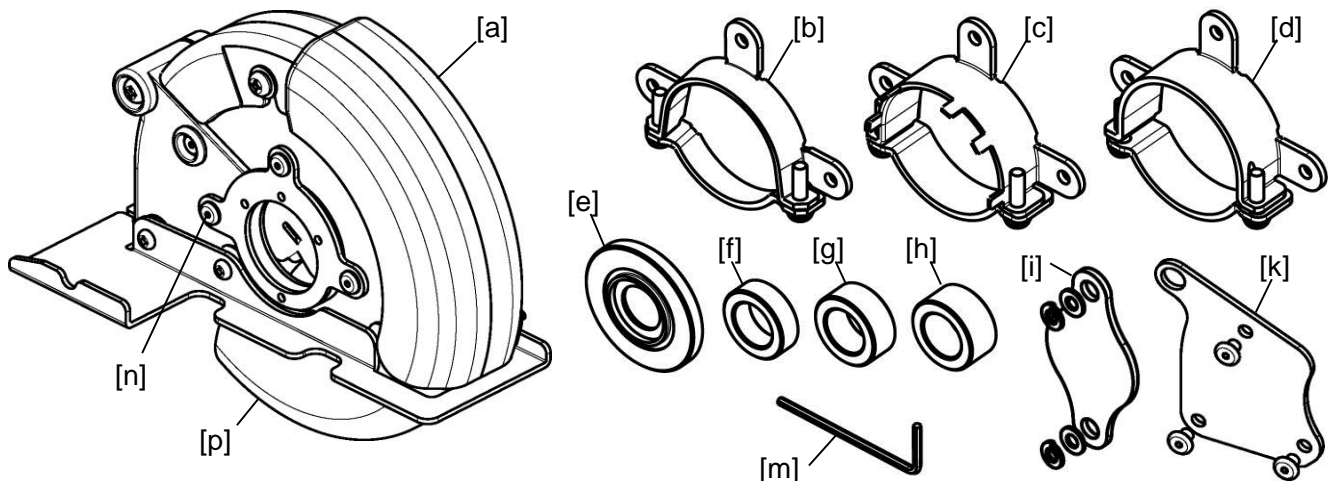
An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path.

Be aware of the time it takes for the blade to stop after switch is released.

SPECIFICATIONS

Model Code	NKS-125
Cutting Material	(Suitable Blade) *Limit speed of the blade must exceed that of the Grinder.
(1) Mild Steel (thickness max.3mm)	110mm Tipped Saw Blade for Metal / 100-125mm Abrasive Cutting Wheel.
(2) Aluminum (thickness max.10mm)	110mm Tipped Saw Blade for Aluminum.
(3) Concrete, Block	100-125mm (t1.5-2.5) Diamond Blade.
Max. Cutting Depth	31mm (when using 125mm Blade)
Weight	880g (Main Unit)
Attachable Grinders	BOSCH : GWS6-115/GWS7-115(E) MAKITA : 9554NB/9558NB/GA4530 HITACHI : G12SS/G12SR3/G13SR3

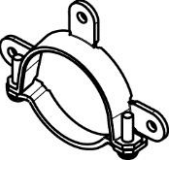
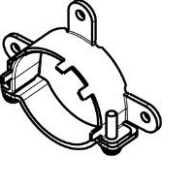

OVERVIEW

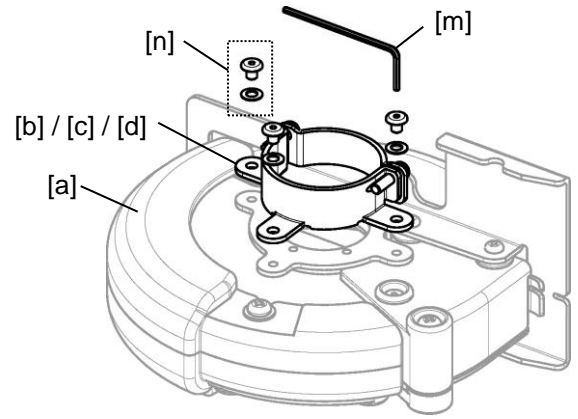


[a] Main Unit, [b] H-Connector, [c] M-Connector, [d] B-Connector, [e] Base Flange, [f] t7.3 Ring, [g] t9.4 Ring, [h] t11 Ring, [i] Side Plate(A) (& Washers), [k] Side Plate(B) (& Screws), [m] Wrench, [n] M4 Flat Screw(& Washer), [p] Lower Guard.

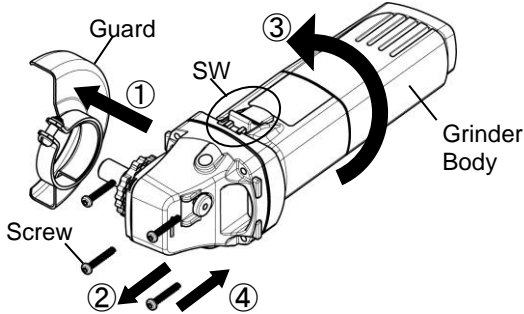
INSTALLATION OF GRINDER

(1) Choose the correct Connector for the Grinder and fit it to [a] Main Unit with [n] M4 Flat Screw (& Washer) by [m] Wrench.

HITACHI	MAKITA	BOSCH
G12SS/G12SR3/G13SR3	9554NB/9558NB/GA4530	GWS6-115/GWS7-115(E)
		
[b] H-Connector	[c] M-Connector	[d] B-Connector



(2) Change the SW position of the Grinder.

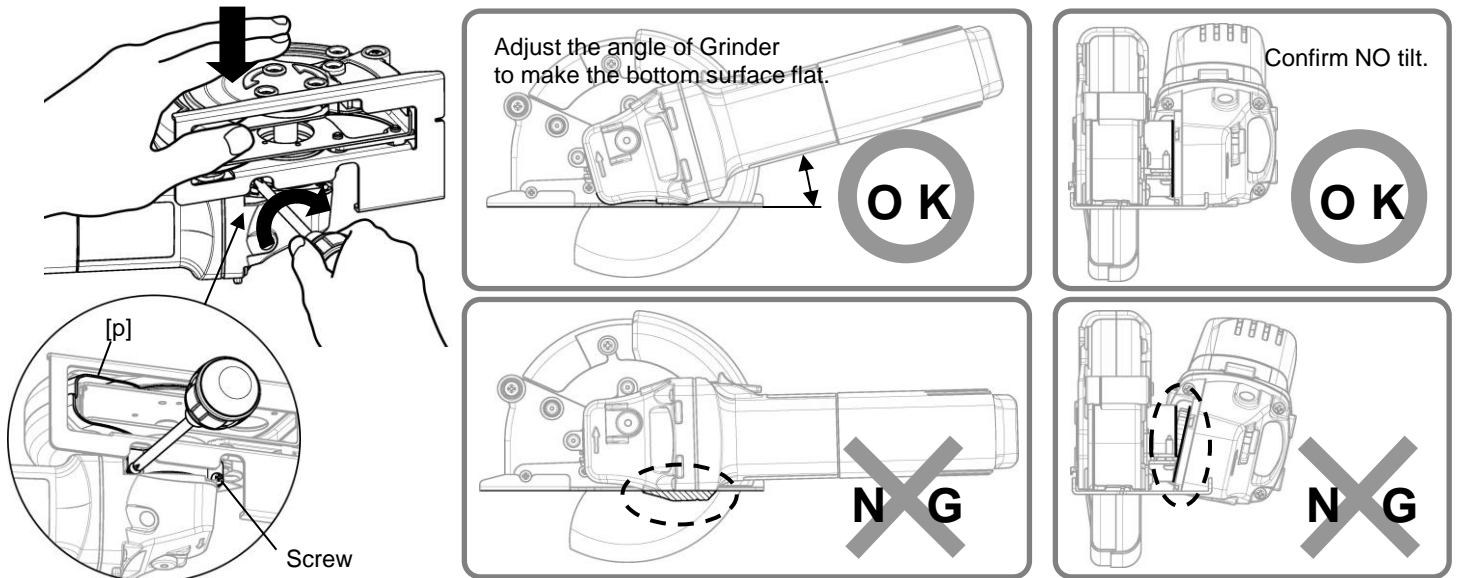


- ① Take the Guard off.
- ② Remove the Screws.
- ③ Turn the Grinder Body to locate the SW upper position.
- ④ Tighten the Screws.

⚠ WARNING

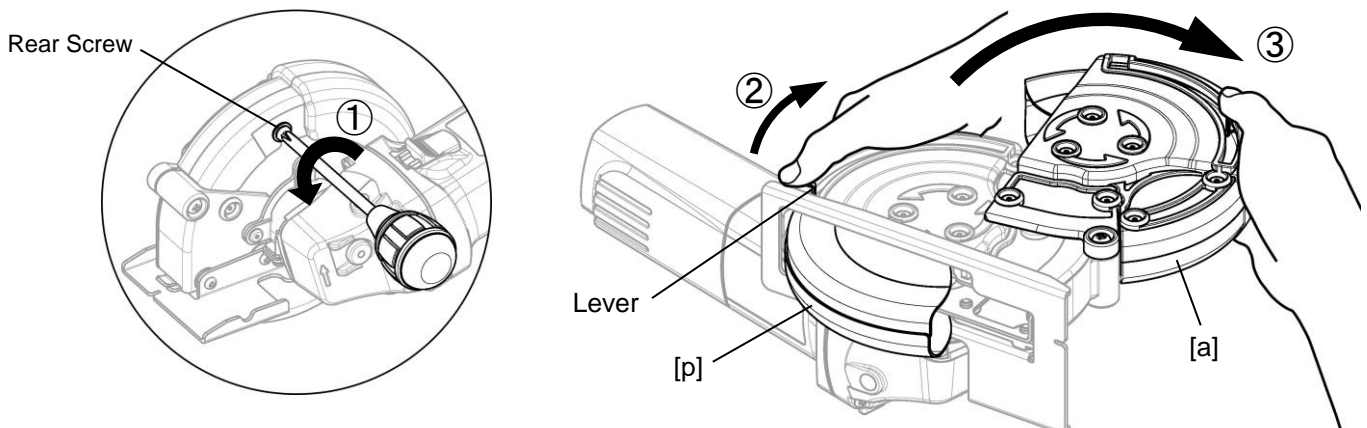
Be sure to turn off the grinder and remove the plug from the power supply before installation.

(3) Open [p] Lower Guard and fit the Grinder by tightening the screws of the Connector. (Hold the top surface of [a] Main Unit)

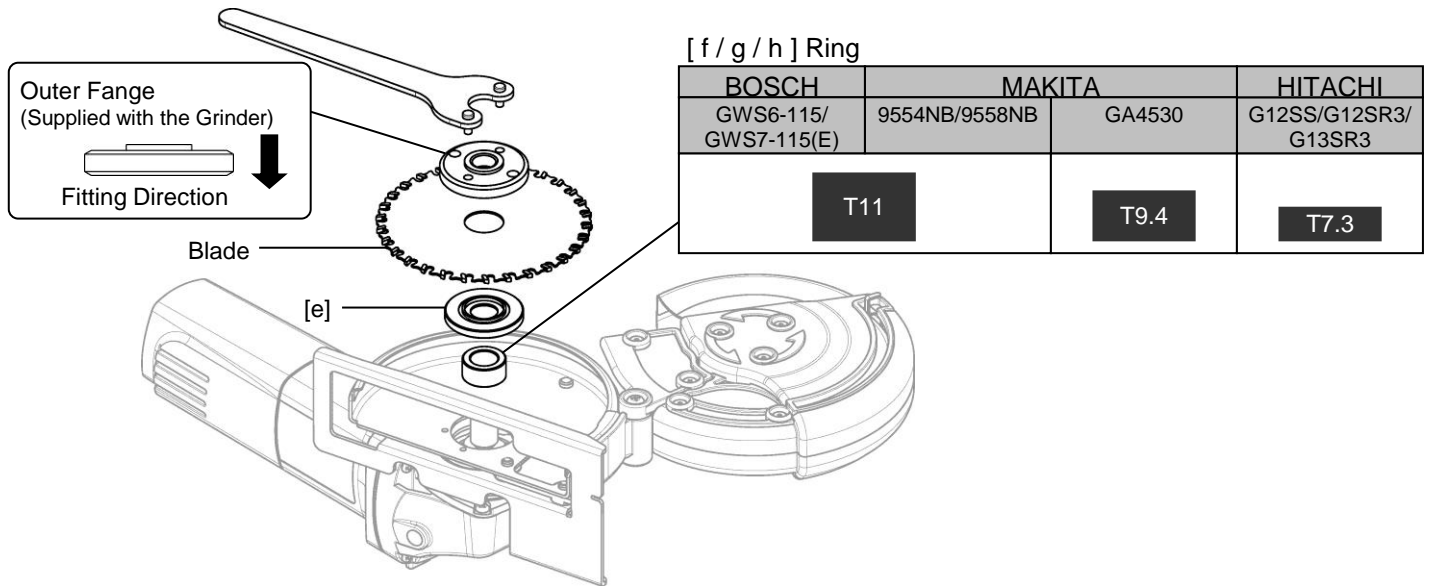


INSTALLATION OF BLADE

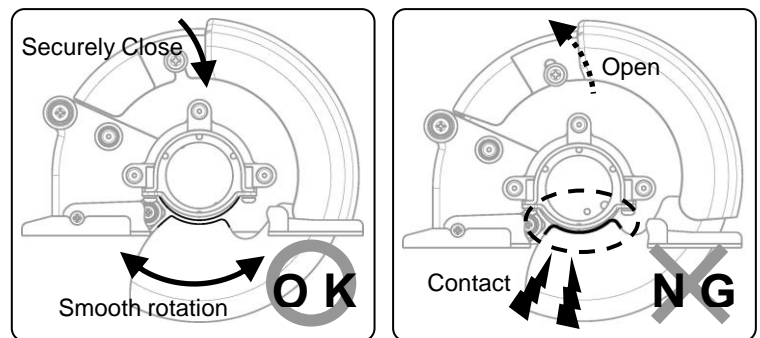
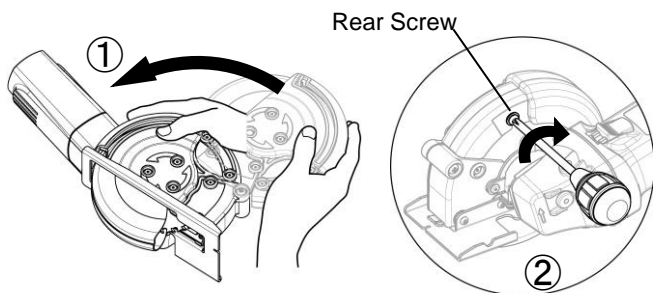
(1) Loosen Rear Screw and open [a] Main Unit by operating the lever of the [p] Lower Guard.



(2) Set the Blade with [f/g/h] Ring and [e] Base Flange, then tighten the Outer Flange supplied with the Grinder.



(3) Close [a] Main Unit and tighten Rear Screw.



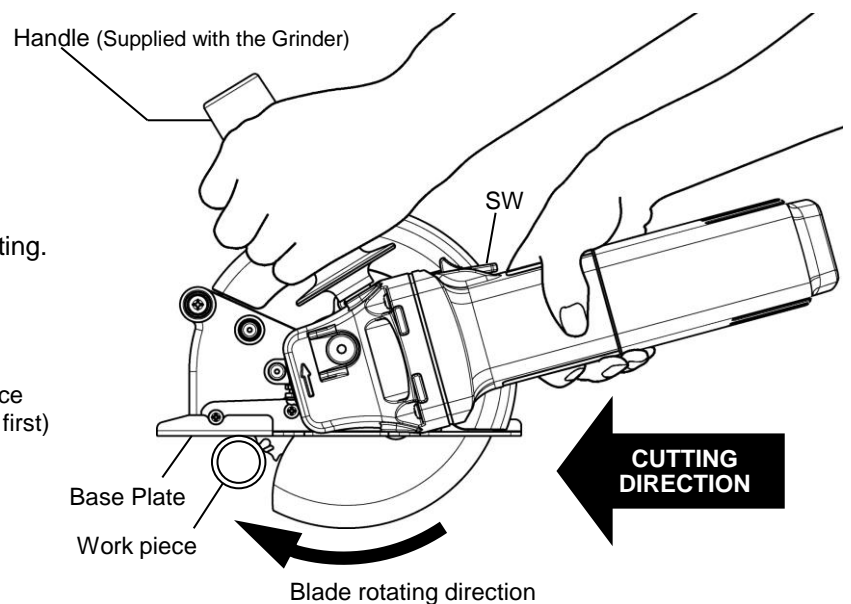
! WARNING Confirm [p] Lower Guard moves smoothly after installation of the blade.

CUTTING

- (1) Fit the Handle (Supplied with the Grinder) on the Grinder.
- (2) Hold the Grinder with both hands.
- (3) Turn on the Grinder switch (SW).
- (4) Set the Base Plate on work piece.
- (5) Slowly push the Grinder forward and start cutting.

! WARNING

- Do NOT engage the rotating Blade with the work piece directly. (The Base Plate must engage the work piece first)
- Confirm the direction of cutting and Blade rotation.
- Ensure the work piece is securely clamped.
- Do NOT use Tipped Saw Blade under a heavy load, otherwise it could lead to the overheating and a breakage of blade tips.



Cutting procedures

- DANGER: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
- Do not reach underneath the work piece. The guard cannot protect you from the blade below the work piece.
- Never hold piece being cut in your hands or across your leg. Secure the work piece to a stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- Always use blades with correct size and shape (diamond versus round) of arbour holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.

Kickback causes and related warnings / Causes and operator prevention of kickback:

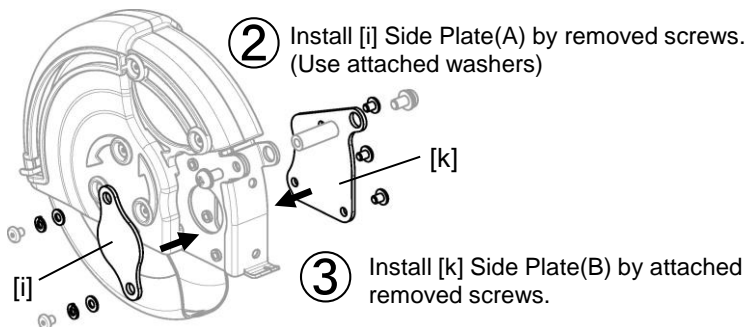
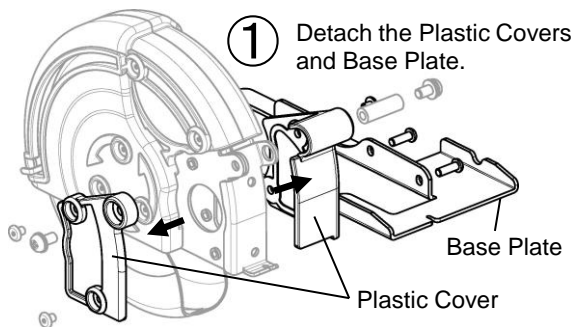
- Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the work piece toward the operator.
- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade. Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.
- When restarting a saw in the work piece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kickback from the work piece as the saw is restarted.
- Support large panels to minimize the risk of blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- Use extra caution when sawing into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

When using Abrasive Cutting Wheel

Before using abrasive cutting wheel, ensure steel Side Plates [i] and [k] are installed.



! WARNING

Do NOT use Abrasive Cutting Wheel under a heavy load, otherwise it could lead to a breakage of SPARK BUSTER and Grinder.

Inspection and Maintenance

1. Inspecting the blade.

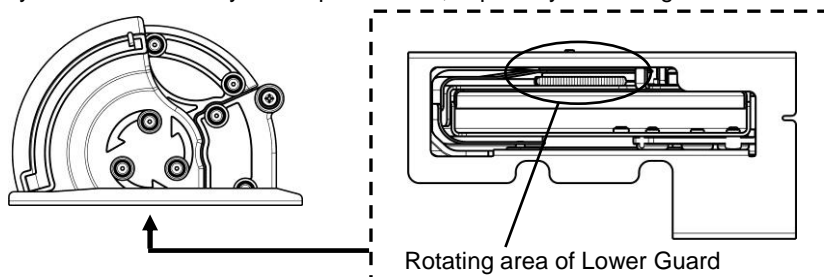
Since use of a dull blade will cause motor malfunctioning and degraded efficiency, replace with a new one without delay when abrasion is noted.

2. Inspecting the mounting screws.

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Maintenance of the Lower Guard.

Regularly blow the dust away from Spark Buster, especially at rotating area of the Lower Guard to keep its smooth operation.



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