Functional Description and Specifications

⚠ WARNING **Disconnect the plug from the power source before making any assembly, adjustments or changing accessories.** Such preventive safety measures reduce the risk of starting the tool accidentally.

Rotary Hammer

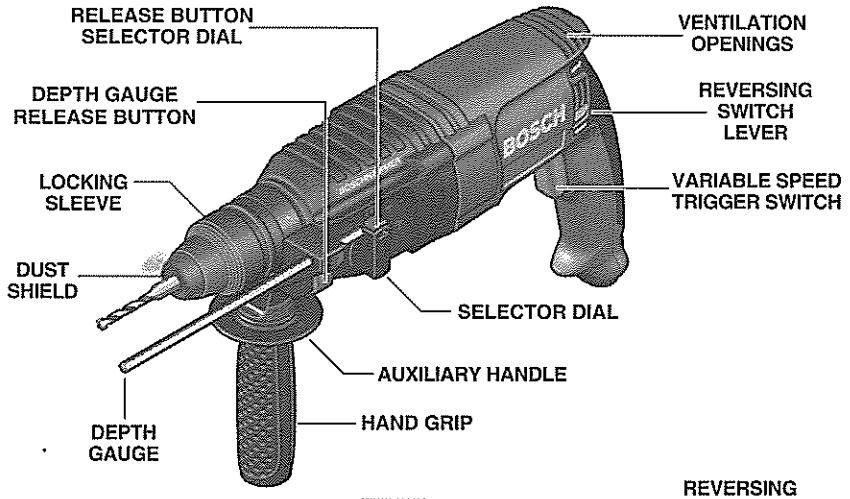
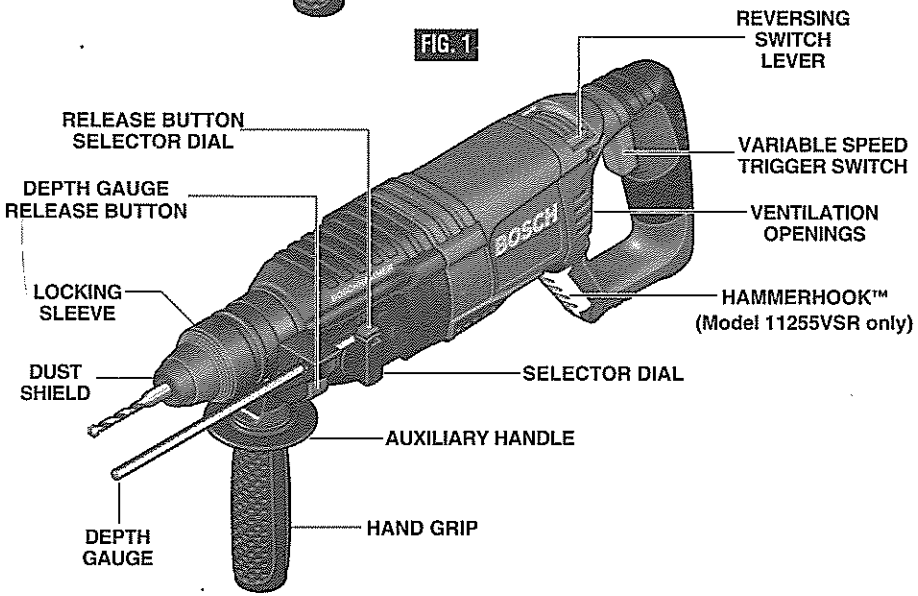


FIG. 1



Model number	11253VSR	11255VSR
Shank style	SDS-plus®	SDS-plus®
Maximum Capacities:		
Carbide tipped bits	1"	1"
Thin wall core bits	2-5/8"	2-5/8"

NOTE: For tool specifications refer to the nameplate on your tool.

Operating Instructions

VARIABLE SPEED CONTROLLED TRIGGER SWITCH

Your tool is equipped with a variable speed trigger switch. The tool speed can be controlled from the minimum to the maximum nameplate RPM by the pressure you apply to the trigger. Apply more pressure to increase the speed and release pressure to decrease speed. This accurate speed control enables you to drill without center punching. It also permits you to use as a power screwdriver. Bits are available for driving screws as well as running bolts and nuts.

REVERSING SWITCH LEVER

This tool is equipped with a rotating brush reversing system. This results in longer brush life while maximizing power in both forward and reverse directions. The reverse switch can be operated from either the right or left side of the tool.

FOR FORWARD ROTATION: slide switch to arrow marked forward (Fig. 1).

FOR REVERSE ROTATION: slide the slide switch to arrow marked reverse. NOTE: Tool will not operate in middle position.

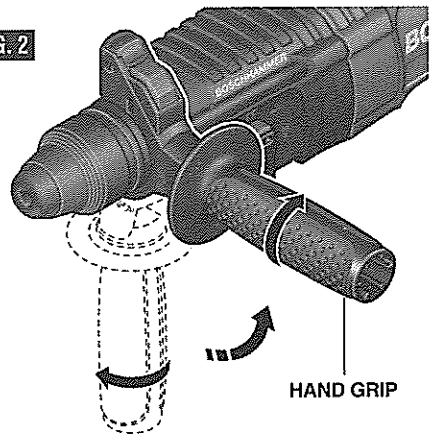
SLIP CLUTCH

The tool has an internal preset clutch. The clutch is set such that sufficient force is transmitted to the bit for most drilling conditions but it will slip when bit binds in the hole or the tool is overloaded. Be aware that due to required clutch setting, you may experience a torque reaction an instant before the clutch slips. This torque reaction will twist the body of the rotary hammer in the opposite direction as the bit rotates, i.e., counterclockwise. As clutch is slipping, the bit will most likely stop rotating. When the binding force on the bit is removed the clutch automatically resets. If you experience bit binding and clutch begins to slip, immediately turn the tool "OFF" and correct the condition leading to the bit binding.

AUXILIARY HANDLE

The tool must be supported with the auxiliary handle, which can be swiveled 360°. To reposition and/or swivel the handle, loosen the hand grip, move the handle to the desired position along the barrel and securely retighten the hand grip (Fig. 2).

FIG. 2



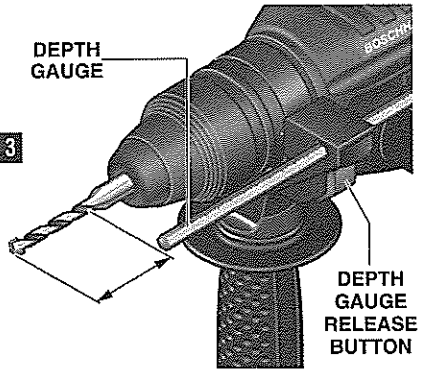
DEPTH GAUGE

Your drilling depth can be pre-set and/or repeated by using the depth gauge.

Setting depth: After the auxiliary handle is installed, make sure the accessory has been fully inserted into the tool holder before setting the depth gauge (Fig. 3).

To adjust depth, push the depth gauge release button, slide the depth gauge to desired depth and release pressure on button to lock the depth gauge in place.

FIG. 3



SELECTOR DIAL

The selector dial allows the tool to be set for various drilling/hammer drilling applications. Depress release button and turn selector dial right or left depending on the below applications.

When using demolition or chipping bits such as bull points, chisels, spades, gouges, etc. the "Hammer Only" mode must be selected.

⚠ CAUTION **Do not operate the selection dial until the tool come to a complete stop.** Shifting during rotation of the chuck can cause damage to the tool.

SELECTOR DIAL - "VARIO-LOCK"

Adjusting the Vario-Lock: The vario-lock can be set in any one of thirty-six (10° increments) positions. Choose a position which is best suited for your operation.

Depress release button and turn the selector dial, to the "vario-lock" setting. Next, rotate the locking sleeve, along with the accessory, to the desired position. Then turn the selector dial to the "hammer only" setting and slightly turn the locking sleeve to have it automatically lock into a definite position.

Drilling only: used for drilling wood, steel, etc.

Drilling/hammering: used for drilling concrete

Vario-lock allows for 36 desired positions of "hammer"

Hammering only: used for light chipping work

FIG. 4

INSTALLING ACCESSORIES

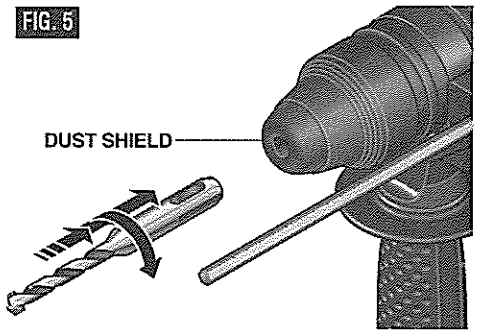
⚠ WARNING Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

The 11253VSR and 11255VSR Rotary Hammers utilize "SDS-plus" drill bits. The "SDS-plus" system efficiently transfers drilling torque and maximizes the energy delivered per hammer blow.

Clean the insert shank end of the accessory to remove any debris, then lightly grease with a light oil or lubricant.

Insert accessory into the tool holder through the dust shield, while twisting and pushing inward until it locks automatically into place. Pull outward on the accessory to be certain it is locked into the tool holder (Fig. 5).

FIG. 5

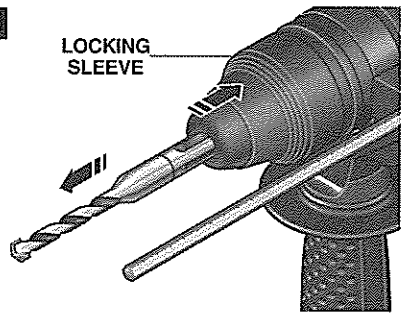


REMOVING ACCESSORIES

⚠ WARNING When removing the bit from the tool avoid contact with skin and use proper protective gloves when grasping the bit or accessory. Accessories may be hot after prolonged use.

To remove an accessory, pull the locking sleeve backwards (towards the rear of tool), while pulling the accessory outward. All accessories should be wiped clean after removing (Fig. 6).

FIG. 6



HAMMERHOOK™ (Model 11255VSR only)

Your tool is equipped with a convenient hook for hanging your tool. To use, simply open hook until it snaps into the open position (Fig. 7).

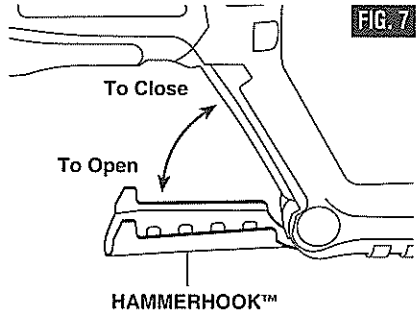
When using the HAMMERHOOK™ always be aware that the accessory is exposed. Always hang the tool in an area where yourself and bystandards can not accidently make contact with the accessory.

⚠ WARNING To reduce the risk of injury, use care in selecting the location for hanging the tool.

- Select a suitably sized and shaped object that will provide adequate hanging stability. An unstable hanging surface could result in the tool unexpectedly falling.
- Insure that the tool is hung out of the way of walkways and working areas with bystanders. The tool could be bumped or a bystander could become entangled in the power supply cord causing the tool to unexpectedly fall.

⚠ WARNING To reduce the risk of injury, Do not use the hanging hook if it appears damaged or deformed. This could result in unstable hanging and the tool unexpectedly falling.

FIG. 7



When not in use, always close hook until it snaps into the closed position.

TOOL TIPS

Following a few simple tips will reduce wear on the tool and the chance of injury to the operator.

NOTE: The high efficiency available from the rotary hammers can only be obtained if sharp and undamaged accessories are used. The "cost" to maintain sharp and undamaged accessories is more than offset by the "time saved" in operating the tool with sharp accessories.

All hammers require a short period of time to warm up. Depending on the room temperature, this time may vary from approximately 15 seconds (90°F) to 2 minutes (32°F). A new hammer requires a break-in period before full performance is realized. This period may require up to 5 hours of operation.

Carbide tipped bits: Used for drilling stone, concrete, cement, brick, cinder block and other unusually hard non-metals. The Rotary Hammer is designed for "SDS" Carbide Tipped Bits up to 3/4 inch diameter.

3 JAW CHUCK

The 3 Jaw Chuck with SDS Shank Adaptor accessory can convert your tool for use with straight shank bits.

You will extend the life of your bits and do neater work if you always put the bit in contact with the workpiece BEFORE pulling the trigger. During operation, hold the drill firmly and exert moderate, steady pressure. Too much pressure at low speed will stall the hammer. Too little pressure will keep the bit from cutting and cause excess friction by sliding over the surface. This can be damaging to the drill and bit.

Shanks of all drill bits should be wiped clean prior to using and immediately after removing.

Recall these instructions for safe operation:

1. Some materials require slow drilling speeds; whereas, others require higher speed to produce the best results.
2. All work must be supported or secured before drilling and steady, even pressure applied in line with the drill bit.
3. As the drill bit cuts through the opposite side, reduce the pressure and continue running the drill as the bit is withdrawn.

Materials such as glass, porcelain, ceramics, tiles, plastics, etc., should be drilled at low speeds with specially designed drill bits and lubricants.