

MICROFILTER DUST CANISTER

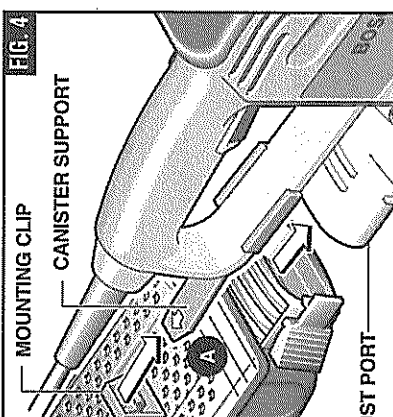
integral dust extraction system collects fine dust in canister supplied with your filter. For maximum efficiency, the dust canister should be emptied frequently during operation.

WARNING Your tool is equipped with a dust canister, empty it frequently, after completion of sanding before storing the sander. Be extremely careful of dust disposal, materials in particle form may be explosive. Do not sand dust on an open fire. Avoid sanding from mixture of varnishes, urethanes, polyurethane, oil or water with dust. A static charge can occur if there is a static charge, spark introduced in the box, or excessive heat.

REMOVING AND INSTALLING DUST CANISTER

Attach dust canister, slide canister support reaction of arrow (A) until it stops. Insert mounting clip into the pocket provided on the side of the canister support. Then slide canister support through the dust port (Fig. 4).

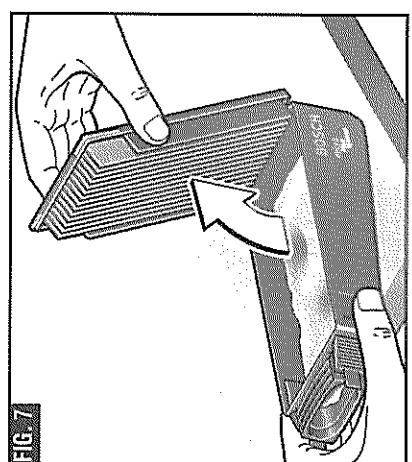
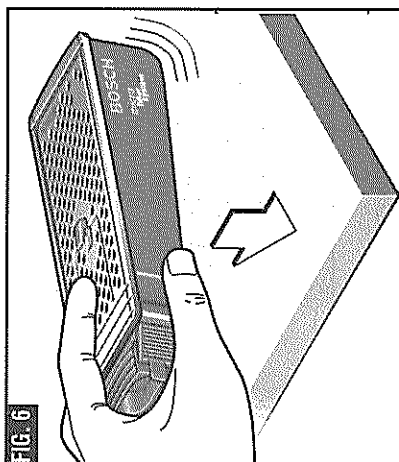
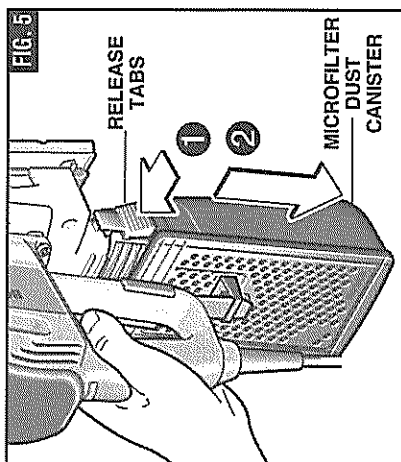
Remove dust canister, squeeze release on both sides of canister and simply pull it from the tool (Fig. 5).



CLEANING AND EMPTYING THE DUST CANISTER

Empty canister, hold canister and obtain a firm grip (Fig. 7). Firmly push and on tab on corner of lid, and remove canister. Knock excess dust out of the canister, or remove dust with your fingers soft brush. You may notice that all the dust may not come out of the canister. This will not affect sanding performance but will be dust collection efficiency.

NOTE: Do not wash the micro filter with soap and water. Dust may become more firmly lodged in the pores, which will reduce dust collection, and damage the micro filter.



ATTACHING VACUUM HOSE

When the canister is removed from the tool, an (optional) vacuum hose accessory can be attached to the dust port. To use this feature, attach vacuum adapter(s) and vacuum hose (optional accessories) to dust port, then connect opposite end of the vacuum hose to a shop vacuum cleaner (Fig. 8, 9).

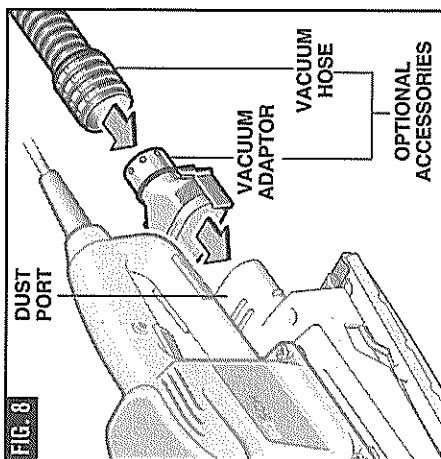
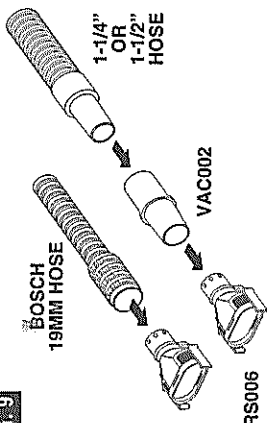


FIG. 9



FRONT HANDLE

Your sander is equipped with a removable front handle when sanding in tight quarters. To remove handle, remove screw with allen wrench provided. Always reinstall handle for normal operation. Depending on the task, you may grip the rear handle alone, the rear handle and the front handle, or the rear handle and the top of the ergonomically contoured soft grip motor housing, which is designed for that purpose (Fig. 1).

Operating Instructions

TRIGGER "ON-OFF" SWITCH

To turn tool "ON," squeeze the trigger switch. To turn the tool "OFF," release the trigger switch which is spring loaded and will return to "OFF" position automatically (Fig. 1).

"LOCK-ON" BUTTON

Your tool is also equipped with a "Lock-ON" button located on the left side of the trigger handle, that allows for operation at maximum RPM without holding the trigger (Fig. 1).

TO LOCK SWITCH ON: squeeze trigger, depress button and release trigger.

TO UNLOCK THE SWITCH: squeeze trigger and release it without depressing the "Lock-ON" button.

WARNING If the "Lock-ON" button is continuously being depressed, the trigger cannot be released.

ABRASIVE SHEETS (SANDPAPER)

Aluminum oxide, silicon carbide, or other

synthetic abrasives are recommended for power sanding use. Natural abrasives, such as flint or garnet sheet are too soft for economical use in power sanding. For best results, use Bosch abrasive sheets. The uniform spacing between grains minimizes filling or loading. The high quality aluminum oxide sheet with heavy backing cuts faster and lasts longer.

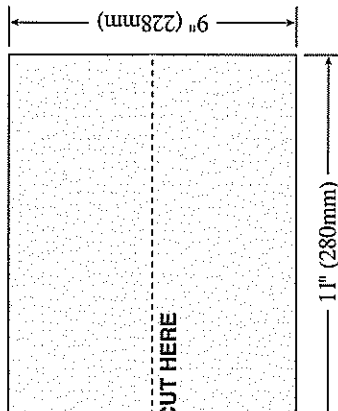
The following are recommended abrasive sheets and applications:

Coarse Grit:	For rough wood sanding.
Medium Grit:	For general wood sanding.
Fine Grit:	For smoothing wood or plaster patches.
Extra Fine Grit:	For final sanding bare wood and smoothing old paint.

There are also different types of paper made for wood, paint and other surfaces.

ditional abrasive sheets can be conveniently from large-size commercially available ets (standard size 9" x 11" (228 x 280mm). into two pieces of equal size. Choose the per grit for the job.

FIG. 10



SANDING TIPS

ch orbital sanders are designed to duce exceptional finishes on wood aces, speed stock removal, or to remove uer, varnish, and other coated finishes. ital sanding provides fast, smooth final hes. And this model can sand flush on all e sides of the tool to get in tight places al of cabinets, desks and shelving. tarting and stopping of sanding - Contact ie work with the tool after sander has ached its full speed and remove it from ie work before turning the switch "OFF". perating in this manner will prolong witch and motor life and will greatly izease the quality of your work.

his sander's even weight distribution and ie prevention of paper slippage by the

SheetLoc system virtually eliminate any benefit from pressing on the sander. Excessive pressure on the sander may result in an uneven sanding job and premature grit wear. Constant and excessive pressure can cause overheating and possible damage to the motor, as well as premature wear out of the pad.

- It's usually best to work in strokes that parallel the grain, using some lateral motion so the main strokes are overlapped as much as 75%.
- If the surface is rough, start sanding with a coarse grit, then medium, and then finish with a fine or extra-fine grit. This procedure will vary with different types of materials and work.
- Continue to sand with each grit until the surface looks uniform.
- When going from one grit size to a finer size, do not skip more than two grit sizes.
- To remove the greatest amount of stock, use a coarse grit and move the sander steadily over the entire surface against the grain as well as with the grain. **DO NOT REMAIN IN ONE SPOT TOO LONG.** It may remove too much material and uneven sanding will result.
- Sanding with the grain of the wood gives the smoothest final finish.

STORING THE SANDER

- Do not store tool with PSA sheets on pad, as sanding creates heat, which will cause an adhesive bond between the paper and the pad to harden when paper and pad cool down.

(See REMOVING PSA ABRASIVE SHEETS on page 7.)

Maintenance

Service

WARNING Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a Bosch Factory Service Center or Authorized Bosch Service Station.

TOOL LUBRICATION

Your Bosch tool has been properly lubricated and is ready to use. It is recommended that tools with gears be regreased with a special gear lubricant at every brush change.

CARBON BRUSHES

The brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend every two to six months the brushes be examined. Only genuine Bosch replacement brushes specially designed for your tool should be used.

BEARINGS

After about 300-400 hours of operation, or at every second brush change, the bearings should be replaced at Bosch Factory Service Center or Authorized Bosch Service Station. Bearings which become noisy (due to heavy load or very abrasive material cutting) should be replaced at once to avoid overheating or motor failure.

Cleaning

WARNING To avoid accidents always disconnect the tool from the power supply before cleaning or performing any maintenance. The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

CAUTION Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

Accessories

WARNING If an extension cord is necessary, a cord with adequate size conductors that is capable of carrying the current necessary for your tool must be used. This will prevent excessive voltage drop, loss of power or overheating. Grounded tools must use 3-wire extension cords that have 3-prong plugs and receptacles.

NOTE: The smaller the gauge number, the heavier the cord.

- * Dust canister
- * Sanding sheet
- * Sandpaper punch-plate

- ** RS006 Vacuum hose adaptor
- ** VAC002 Vacuum hose adaptor
- ** Vacuum hoses

*standard equipment, **optional accessories

RECOMMENDED SIZES OF EXTENSION CORDS 120 VOLT ALTERNATING CURRENT TOOLS

Tool's Amperes Rating	Cord Size in A.W.G.			Wire Sizes in mm ²		
	Cord Length in Feet			Cord Length in Meters		
	25	50	100	150	15	30
3-6	18	16	16	14	0.75	0.75
6-8	18	16	14	12	0.75	1.0
8-10	18	16	14	12	0.75	1.0
10-12	16	16	14	12	1.0	2.5
12-16	14	12	—	—	—	—