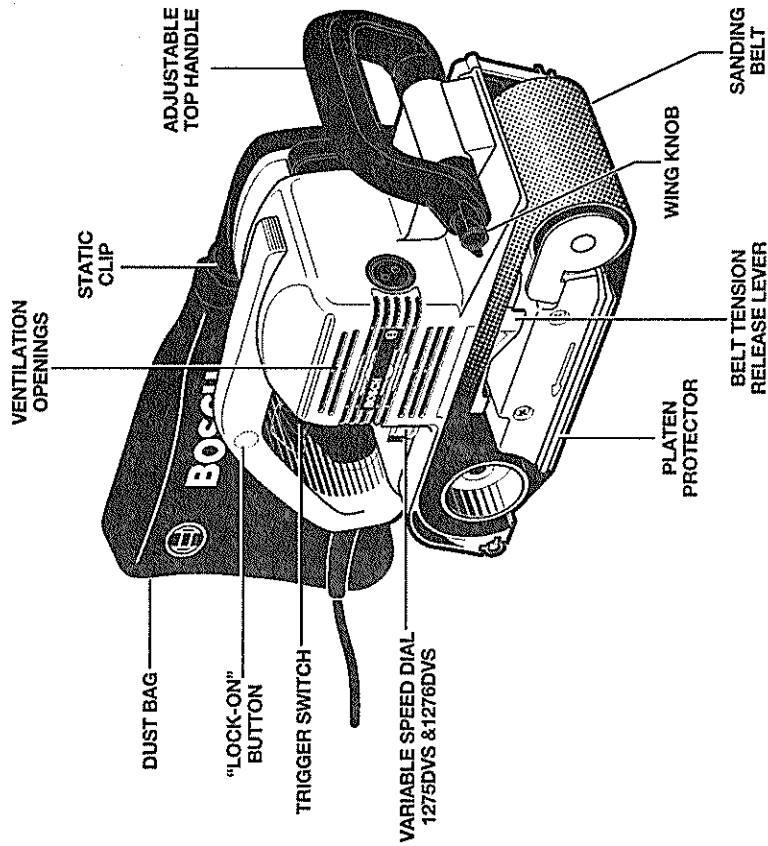


Functional Description and Specifications

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.

Belt Sander

FIG. 1



Model number	1275DVS	1276DVS	1276D
Voltage rating	120 V ~ 50 - 60Hz	120 V ~ 50 - 60Hz	120 V ~ 50 - 60Hz
Amperage rating	10.5 A	10.5 A	10.5 A
No load speed	n ₀ 1,150-1,550/min	n ₀ 1,150-1,550/min	n ₀ 1,550/min
Belt size	3" x 24"	4" x 24"	4" x 24"

Assembly

BELT INSTALLATION

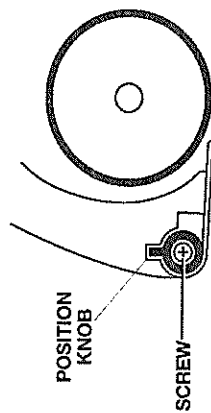
WARNING To prevent personal injury, always disconnect the plug from the power source before removing or installing the belt.

Your belt sander will accept non woven or polishing belts up to 8mm (5/16") thick, but it is necessary to adjust the dust port flap to allow clearance for the thicker belt.

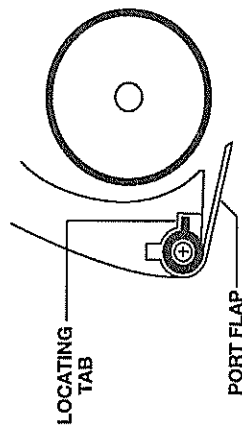
To adjust flap, remove screw and pull position knob free of the tool. Lower dust port flap slightly, and reinsert the position knob with the locating tab facing forward as shown to hold flap in the lowered position. Reinsert screw and tighten position knob in place. To raise flap back to its normal position for standard sanding belts, reverse this procedure.

Place sander upside down, and pull belt tension release lever towards rear of tool to release the belt. Pull the old belt free of the pulleys through the open side of the sander. To install new belt, leave lever fully released and place the new belt in position over the pulleys and platen protector. If the belt has a direction of rotation arrow marked on its inside surface, be sure to face the belt in

that direction. With the belt properly positioned, push lever back into its recess to apply proper tension to the belt.



Normal position for standard belts



Open position for non-woven or polishing belts up to 8mm (5/16") thick.

Operating Instructions

TRIGGER SWITCH AND "LOCK-ON" BUTTON

Your sander can be turned "ON" or "OFF" by squeezing or releasing the trigger. Your sander is also equipped with a "Lock-ON" button located just above the trigger that allows continuous operation without holding the trigger TO LOCK SWITCH ON: squeeze trigger, depress "Lock-ON" 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.

VARIABLE SPEED DIAL (1275DVS & 1276DVS)

This tool is equipped with a variable speed dial. The belt speed may be controlled by presetting the dial in any one of six positions.

Dial setting

3 thru 5

Material/Application
Delicate surfaces, veneers, and with sanding frame for light surface finishing.

3 thru 5

Plastics or other surfaces where belt loading or heat buildup is a problem

4 thru 6

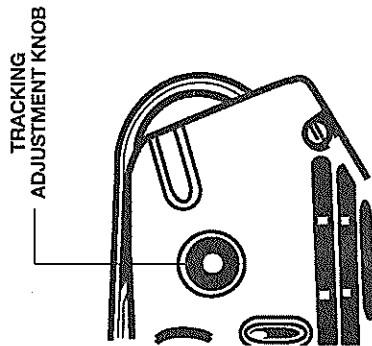
Solid wood, fast stock removal, paint removal

3 thru 6

General service, metal sanding, chipboard, coarse sanding on rough surfaces

TRACKING ADJUSTMENT

Turn sander upside down and plug it into the power source. Hold the sander firmly with one hand, engage trigger switch to turn the tool "ON", and note the tracking of the sanding belt. If the belt runs outward (towards the open side of the sander) turn tracking adjustment knob counter-clockwise. If the belt runs inward, turn the knob clockwise. Adjust the belt in this manner until the edge of the belt runs flush with the outer edge of both pulleys and covers the platen protector. Your sander is now ready for use. In some cases, the belt will require a slight readjustment after it is applied to the work surface, so note the tracking carefully during the first minutes of operation and readjust as required.



ADJUSTABLE TOP HANDLE

The top handle provided should always be used to guide and balance the tool. Grip the tool by the multi-position top handle, and the rear handle, for safe control and ease of operation. To adjust the top handle, loosen wing knob at least two full turns, position handle and retighten knob firmly.

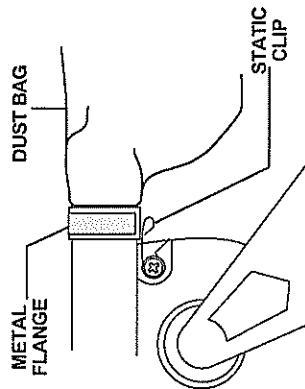
DUST EXTRACTION

Proper dust removal will extend abrasive life and produce more consistent results. The integral dust extraction system collects sanding dust in the dust bag assembly. Bag should be emptied when it is no more than half full, and should be replaced when the surface becomes clogged with dust or efficiency will be reduced. To empty or replace bag, pull the bag free of dust port. Open the zipper on the rear of the bag, and empty contents into suitable receptacle.

To install bag, firmly push the bag into place on the dust port so that it covers the "O" ring to create a seal and the metal flange on dust

bag makes contact with the static clip as shown. The static clip is provided to dissipate static electricity that accumulates in the bag and can cause annoying shock to the user.

For added efficiency, a vacuum hose and adaptor (optional accessories) are also available which will allow your sander to be connected to a shop vacuum system. See your Bosch catalog for optional Bosch Airsweep accessories.



Sanding Tips

SELECTING THE SANDING BELT

It is very important that you select the proper belt for each particular application. To do this you should understand the method of marking or coding on the back of most belts. "CLOSED COAT" means the surface is densely covered with as much grit as the adhesive will hold. "OPEN COAT" means the grit has been applied evenly, but openly to the surface. An

the tool with the belt in contact with the work surface). Place the heel of the sander on the work first. Then, with a forward motion, begin the sanding stroke as the machine is lowered onto the work surface. This will prevent gouging. Keep the sander moving so that your work will be smooth and even. The stroke is simply a back-and-forth movement with most of the sanding done on the pull movement. Use a light touch. The weight of the belt sander is the only pressure required. Too much pressure will slow the work by overloading the motor and reducing belt speed. The result will be decreased sanding efficiency. Sand slowly and systematically and, when you stop, lift the sander from the surface before stopping the tool.

WOOD FINISHING

Take care to select belts wisely. For initial smoothing of rough lumber, use coarse or very coarse grit and sand with the grain. On very uneven or hard wood, sand diagonally (across the grain). Be careful to avoid gouging. Now switch to medium grit belt and sand with the grain. This will provide a relatively level and smooth finish. Now insert a fine grit belt for final finishing. Always sand with the grain to remove scratches left by coarser belts. Keep the sander moving in long, light strokes during finishing operations. As a final touch, experienced sanders will often insert a "used" fine belt to provide a smooth surface for filling, sealing, brushing or spraying.

REFINISHING COATED WOOD

Your belt sander will also help remove old paint, varnish or lacquer; however, if the coating consists of several layers, remove as much as possible with a paint solvent or varnish remover before using the belt sander. Use a hand scraper to remove the residue left by the solvent and allow surface to dry completely before sanding.

GUIDE FOR WOOD SANDING OPERATIONS

Abrasive Belt	Material/Application
Open-coat 36 to 60 grit	Rough, fast stock removal, removal of old finishes
Open-coat 60 to 100 grit	Intermediate finishing
Open or closed-coat 120 to 180 grit	Fine finishing
Open or closed-coat, 200 or finer grit	Extra-fine finishing, especially with hard woods

Remove all sanding dust thoroughly before coating. Use a soft brush or a vacuum cleaner and hose to remove all dust from seams or crevices.

For fast removal, start with a coarse grit, open coat belt. Change to closed coat belts, using medium grits as the material shows through the coating. When the covering is thin, use medium grit to avoid scratching the material. Use short, light strokes, moving the sander rapidly. Excessive pressure or steady sanding in one place will burn the coating and load the belt.

METAL FINISHING

For ferrous metals such as steel, stainless steel, iron, etc., use coarse grit open coat belts or coarse to fine grit closed coat belts, depending on the finish desired. Non-ferrous metals such as aluminum, solder, brass, bronze, etc., can also be sanded. Beeswax or tallow are recommended as lubricants for metal sanding, polishing or satin finishing to minimize belt loading and to lengthen belt life. To use, simply rub the lubricant on the belt from time to time. SAE No. 10 or 20 lubricating oil can also be used to assure a smooth scratch free surface. Just wipe the oil on the surface prior to sanding.

"open coat" will not clog or fill as readily as "closed coat". In general, aluminum oxide abrasive belts are best for woodworking because they are tougher and last longer. Sanding belts should be stored in a cool, dry place. Do not store near heat or near a window where the sun can reach them.

TECHNIQUE

Grasp the handles firmly. Start the sander with the belt off the work (NOTE: never start or stop