

## SPECIFICATION

The HT8-1.2 Floor Team Floor Sander will sand hard and soft wood floors, cork and composition floors that require rapid sanding and leveling to a fine finish. A powerful motor drives a finely balanced sanding drum which is covered in a unique drum rubber providing a high quality finish to both hard and soft woods and other surfaces. Completely self contained with a high efficiency dust pickup the machine breaks down into three simple component parts for easy transport. With low voltage trip and overload protection the HT8-1.2 is a high performance sander suitable for professional and home owner use.

<b>Power Supply:</b>	110/120V	50/60Hz
	220/240V	50/60 Hz
<b>Off Load Current:</b>	110/120V	8A
	220/240V	5A
<b>Average: Load Current:</b>	110/120V	15A
	220/240V	8A
<b>Noise:</b>	100 dBa at 1metre (3' 3")	
<b>Switch:</b>	Heavy duty low voltage trip and overload protection.	
<b>Motor:</b>	Continuous heavy duty AC/DC self cooling 4 brush.	
<b>Motor RPM:</b>	8,500	
<b>Drum RPM:</b>	3,300	
<b>Sanding Drum:</b>	8" (203mm) wide aluminum extrusion with moulded rubber drum cover.	
<b>Guards:</b>	Injection moulded ABS.	
<b>Abrasive:</b>	19.5" (495mm) total length x 8" (203mm) wide with notched and angled ends 24 to 120 grit.	
<b>Drive:</b>	Non-slip toothed timing belts and gear cut pulleys.	
<b>Moving Parts:</b>	Sealed for life ball bearings.	
<b>Dust Pickup:</b>	Seated oversize wide blade vacuum fan with adjustable dust pan.	
<b>Weight:</b>	97lbs (44 kg)	



*Read the following Safety and Operational notes before using your HT8-1.2 Floor Team Floor Sander.*

## SAFETY

1. For safety it is recommended that a residual current circuit breaker (ground fault interrupter) is used with this machine.
2. Check the operating voltage is correct and that the machine is switched OFF ('O') before connecting to the power supply.
3. Always disconnect from the power supply when changing the abrasive paper, servicing the floor sander, replacing the dust bag or leaving the machine unattended.
4. Always replace the dust bag (paper type) or empty the dust bag (cloth type) when the dust in the bag reaches the 'MAX' line or when the machine is left unattended.
5. Never dispose of or empty the contents of the dust bag into a fire or incinerator.
6. Never reuse the paper dust bag or use a non standard bag. Cloth bags must be in good condition with no holes.
7. Always wear a dust mask when using the floor sander, handling the dust bag or cleaning the machine after use.
8. Wear ear protection when using the floor sander.
9. Ensure adequate ventilation of the work area to avoid the formation of a combustible mixture of flying dust and air.
10. Never smoke when using or servicing the floor sander or when handling the dust bag.
11. Never expose the machine to rain or damp. Always store in a dry place.
12. Stop the floor sander immediately if damage to the machine or abrasive paper is suspected.
13. Never allow the power cable to come into contact with the sanding drum when the floor sander is in operation. If the power cable becomes damaged and the inner conductors are exposed switch the power OFF and remove the plug before attempting to move the machine. The cable must be replaced by an authorised dealer or qualified electrician using Floor Team® genuine spare parts only.
14. Keep hands, feet and loose clothing away from all moving parts of the machine.
15. Punch down or remove all nails, screws, tacks and other fixings from the floor before sanding to prevent contact with the sanding drum.
16. Never operate the machine without all the guards in place.
17. Keep children and pets clear at all times.
18. If the machine should fail to operate refer to the Fault Finding Guide on page 10.

## SET UP

### Assembly and Transport

1. The HT8-1.2 breaks down into three component parts, the main body, handle assembly and dust tube for easy handling and transport. To assemble loosen the Clamp Bracket Ref.21 and slide the handle assembly into the Handle Bracket Ref.51. Adjust the height of the handle so that your arms are slightly bent when standing upright behind the machine. This will provide you with maximum control in operation. Tighten the clamp bracket firmly. Always ensure that the clamp bracket is tight, check periodically during use.
2. Connect the Cable Handle Ref.20 to the Body Twist Lock Ref.24 at the rear right hand side of the floor sander body. Align the plug with the pins, push in and twist clockwise to lock.
3. Slide the Exhaust Tube Ref.59 into the Exhaust Bracket Ref.56 and push fully home.
4. Fit a paper dust bag following the instructions printed on the bag. If a cloth bag is used ensure that it is tied securely around the dust tube neck and that the bag is in good condition with no holes.
5. To prepare the floor sander for use place the machine on the floor and remove the main cable from it's storage position on the handle assembly. Check that the cable is in good condition and that all fittings are secure.
6. To dismantle the floor sander reverse procedure 1 to 5 above.
7. Always ensure that the floor sander is secure and cannot move when being transported in a vehicle. The floor sander is heavy. Take care when lifting and carrying the machine.

### Installing Abrasive Paper

1. Ensure the power cable is disconnected from the power supply.
2. Tip the floor sander back so that it rests on the handle.
3. Lift the Drum Guard Ref.35 and turn the Drum Ref.168 to expose the Paper Clamp Bar Ref.175. Take care not to trap your fingers when turning the drum.
4. Loosen the 2 Paper Clamp Screws Ref.174 with a coin or suitable screw driver so that the clamp bar raises about 1/2" (12mm) only. DO NOT remove the screws completely.
5. Select a suitable grade of abrasive paper (see Abrasive Paper Guide on page 5). To help install course grit abrasive papers draw the smooth side

(back) of the paper over the edge of a work bench to make it curl.

6. Kneeling in front of the machine place one end of the abrasive paper under the clamp bar so that the notches align with the clamp bar screws and clamp bar.

Carefully holding the abrasive paper in place rotate the drum 1 revolution. Tuck the other end of the abrasive paper under the clamp bar and use both hands to squeeze the sheet tight around the drum. Make sure it is square to the edges of the drum with no overlap and both ends of the abrasive sheet are equal distance under the paper clamp bar.

Firmly tighten the two clamp bar screws. Check the abrasive sheet is skin tight around the drum. If in doubt repeat the above procedure. Loose or damaged abrasive sheets will tear during sanding and can be expensive to keep replacing. Damage may also occur to the floor and floor sander.

7. Lower the drum guard and stand the machine up. The floor sander is now ready for use.

Note: Use Floor Team™ genuine floor sander abrasives for the best sanding performance and finish. They will also reduce the risk of tearing due to poor fit which is a common problem with generic and non standard abrasives.

## PREPARATION

1. Where possible remove all furniture from the area or room. The HT8-1.2 Floor Sander features an efficient dust pickup, however, some dust will escape.
2. Remove all tacks, staples and other unwanted fixings from the floor. Failure to do so will result in damage to the abrasive paper and sanding drum.
3. Punch all nails below the surface of the floor using a suitable nail punch and hammer. Any screws used to fix boards should be counter sunk below the surface. During sanding any nails or screws that become exposed must be punched or counter sunk further.
4. Firmly fix all loose boards or blocks.
5. Remove heavy wax, grease and dirt deposits by hand.
6. Sweep and vacuum the floor thoroughly to remove dirt and discarded fixings.
7. Ensure good ventilation by opening windows.

**HT8-1.2 Floor Sander (Drum)** - a powerful floor sander designed for the rapid leveling and sanding of all types of wood flooring excluding thin laminated or veneered floors. Load the sander with abrasive making sure that it is skin tight around the drum. Loose sheets will tear. Place the sander on the right hand wall (unless you are making an angled cut on uneven floors) with about two thirds of the floor in front of you. Start the sander with the drum off the floor then walk forward at an even pace and ease the drum on to the floor. As you near the end of the pass, gradually raise the drum off the floor. Practice this technique before turning on the sander.

Cover the same path you made on the forward cut by pulling the machine backwards and easing the drum to the floor as you begin the backward pass until you reach the original starting point, then ease the drum off the floor.

When two thirds of the floor is sanded, turn the floor sander around and sand the remaining third in the same way. Overlap the one third area by 0.6 to 0.9 meters (2 to 3 feet) with the two thirds area to blend the two areas together.



**WARNING** - never bounce the sanding drum or dwell in one place as this will sand dips and hollows in the floor.

**HT7-2 Disc Floor Sander (Edger)** - a powerful disc floor sander designed for sanding along the edges of a floor without damaging the baseboards or moldings. Also suitable for smaller areas where the HT8-1.2 Floor Sander will not reach like stair treads and closets. Load the abrasive disc making sure the retaining bolt is tight. Start the edger with the disc off the floor then lower the disc to the floor as you move the sander. Work progressively moving the sander in a sweeping motion from side to side.

**HTF-2 Floor Sander (Orbital)** - an orbital action floor sander designed for re-finishing, sanding between coats of varnish and re-surfacing floors in good condition. Load the abrasive sheet, pad or strip. Start the sander, move immediately and sand in the direction of the grain using the same technique as the drum floor sander. For difficult to reach areas use a heavy duty hand held orbital sander or sand by hand.

**Hand Sanding** - to sand difficult to reach areas scrape and sand the floor by hand. Use a scraper to remove old finishes, always scraping in the direction of the grain, and then sand by hand using the same grit abrasive as you finished with when machine sanding. See Floor Sanding Technique diagrams on page 5.

## SOLID WOOD PLANK & STRIP FLOORS

**Old floors in good condition** - when the floor is in good condition - no uneven edges, cupping or crowning of planks and strips - and you want to re-surface the floor, sanding back to new wood, start sanding in the direction of the planks or strips - with the wood grain. Start with a medium grit abrasive. Complete the first cut with the HT8-1.2 Floor Sander then sand up to the baseboards and door thresholds with the HT7-2 Disc Floor Sander, using a medium grit abrasive, blending the edges in with the main floor area. Sweep the floor. Using a medium/fine grit abrasive, sand the main floor area with the drum sander and then complete the floor with the edger using a fine grit abrasive. Sweep the floor. Finish sanding the main floor area with the drum floor sander using a fine grit abrasive. If the floor is in particularly good condition (level with no deep scratches or blemishes) you may re-surface the floor using the HTF-2 Floor Sander, however, as the sanding action of this machine is less aggressive than the HT8-1.2 Floor Sander the job will take more time.

**Uneven floors** - when the floor is uneven sand diagonally at 45° across the room in both directions using the HT8-1.2 Floor Sander with a coarse grit abrasive. Only make one cut on both diagonals, this will achieve a basic level. Now complete the floor as for a level strip or plank floor. Use the same grit abrasive as was used on the 45° cut for the first cut parallel to the planks or strips.

**Floors with an existing finish** - when re-finishing a floor remove as little of the existing surface as possible. If the old finish is worn and the floor is generally in good condition use the HTF-2 Floor Sander with Floor Team™ abrasive pads and sheets which have been especially designed for re-finishing floors. These will maintain the integrity of any stain used to colour the wood and prepare the surface for a new coat of finish. If the floor is badly marked and scratched and has to be sanded back to new wood use the HT8-1.2 Floor Sander and HT7-2 Disc Floor Sander. Always try a medium grade paper first, particularly on a diagonal cut. If 90% of the old finish is removed and the floor is generally leveled, you do not need to use a coarse grit abrasive.

## VENEERED, LAMINATED & THINNER FLOORS

Use the HTF-2 Floor Sander for veneered and laminated floors or thinner floors that may have been subjected to repeated sanding. The HTF-2 will remove old surface finishes and prepare the floor for re-finishing. Sand the floor using the same method as a strip, plank, or parquet floor. If the floor has deeper scratches or marks these should be sanded

## PREPARATION

1. Where possible remove all furniture from the room. The HTF-2 Floor Sander features an efficient dust pick-up, however, some dust will escape. Protect all vulnerable furnishings with dust sheets, masking films and tape.
2. Remove all tacks, staples and other unwanted fixings from the floor. Failure to do so will result in damage to the sanding pad and abrasive sheet or pad.
3. Punch all nails below the surface of the floor using a suitable nail punch and hammer. Any screws used to fix boards should be counter sunk below the surface. During sanding, any nails or screws that become exposed must be punched or counter sunk further.
4. Firmly fix all loose boards or blocks.
5. Remove heavy wax, grease and dirt deposits by hand.
6. Sweep and vacuum the floor thoroughly to remove dirt and discarded fixings.
7. Ensure good ventilation by opening windows.

## OPERATION

1. Move the floor sander to the location of your work.
2. Make sure the switch is in the OFF (O) position then connect the main cable to a suitable power supply ideally located behind or to one side of the machine and work area.
3. Wear a dust mask and ear defenders.
4. Hold the handle with both hands and depress foot pedal with your right foot. This will release the handle.
5. Switch ON by pushing the ON/OFF switch down using the thumbs of one hand to ON (I) position and hold in place. Start moving immediately. To switch OFF (O), release the pressure on the switch and it will automatically return to the OFF position.



**CAUTION** - the HTF-2 Floor Sander is a powerful machine always ensure you have a firm grip before switching on.

6. Follow the instructions carefully for sanding and re-finishing a floor (see page 4 & 5). Walk slowly forward and back, working progressively across the floor. Do not dwell in one place. The floor sander will glide easily across the surface of the floor.

7. When the dust in the dust bag reaches the 'MAX' line stop sanding. Switch OFF, disconnect the power cable from the power supply and remove the paper dust bag. Turn the top of the paper dust bag over to stop the escape of dust and dispose of into a suitable container. Fit a new paper dust bag. Reconnect to the power supply and continue sanding. Never reuse the paper dust bag or attempt to empty it.
6. Change the abrasive when the quality of the sanding is reduced or the abrasive becomes clogged.
- 7.. When taking a break from work switch OFF (O) and disconnect the power cable from the power supply, remove and dispose of the paper dust bag.
9. On completion disconnect the power cable from the power supply. Remove and dispose of the paper dust bag. Lock the handle in the upright position and stow the power cable. Lock the dust bag frame in its up position. Leave the old abrasive pad in-place to protect the dust brushes. Carry out maintenance as recommended in Maintenance and Servicing.



**DANGER** - never leave the floor sander unattended with dust in the dust bag. Always remove the dust bag and dispose of into a suitable container.



**CAUTION** - to prevent damage to the floor surface, work piece or machine follow these rules.

- (a) Always ensure that the floor sander is moving when in operation and the sanding pad is in contact with the floor.
- (b) Never lift the back or front of the machine when sanding.
- (c) Never apply pressure to try and increase the rate of sanding. Damage to the floor will occur.
- (d) Never bounce or drop the floor sander on to the floor, always lower the machine gently.
- (e) Never dwell in one place, move steadily at all times.
- (f) Never allow the power cable to come into contact with the sanding pad.

# HTF-2 FLOOR SANDER ABRASIVE GUIDE

## HT8 FLOOR SANDER & HT7 DISC FLOOR SANDER (EDGER)

Abrasive Paper Grade	Floor Type and Condition
<b>Grit 24 Open Coat</b> (Coarse non-clogging)	For removing surface coatings from old floors such as varnish, stains and wax polishes. For the rapid sanding and removal of scratches and marks. Sanding level the joints of sub-flooring like particle board and masonite.
<b>Grit 24</b> (Coarse)	For the rapid sanding and removal of scratches and marks. Sanding level the joints of sub-flooring like particle board and masonite.
<b>Grit 40 Open Coat</b> (Coarse/Medium)	For removing surface coatings from old floors such as varnish, stains and wax polishes. For the rapid sanding and removal of scratches and light marks. Sanding level the joints of sub-flooring like particle board and masonite.
<b>Grit 40</b> (Coarse/Medium)	For the rapid sanding and removal of scratches and light marks. Sanding level the joints of sub-flooring like particle board and masonite.
<b>Grit 80</b> (Medium)	For first sanding of new level wood floors. First sanding after sanding with a drum sander.
<b>Grit 100</b> (Medium/Fine)	Intermediate sanding of all types of wood floor.
<b>Grit 120</b> (Fine)	For final sanding of all types of wood floor. First sanding of cork or composition floors. For sanding between coats of solvent based and 2 pack varnishes.

DO NOT OVER-SAND USE ONLY AS HEAVY GRADE ABRASIVE AS IT TAKES TO DO THE JOB. PROGRESS FROM FIRST GRADE USED THROUGH FOLLOWING GRADES TO REMOVE ALL VISIBLE SANDING MARKS. DO NOT MISS A GRADE.

out by hand and blended in with the main floor. To check the wood depth in the floor remove a baseboard or molding from around the edge of the floor. This should provide access to the edge of the floor for inspection.

### PARQUET & BLOCK FLOORS

The grain of the wood will run in a number of directions so sand the floor in the direction of the main source of natural light in the room. If there is no source of natural light sand in the direction of the longest side of the room or, if the room is square, in the direction the furniture is laid out and how people normally use and view the room.

This technique will help mask any imperfections in the

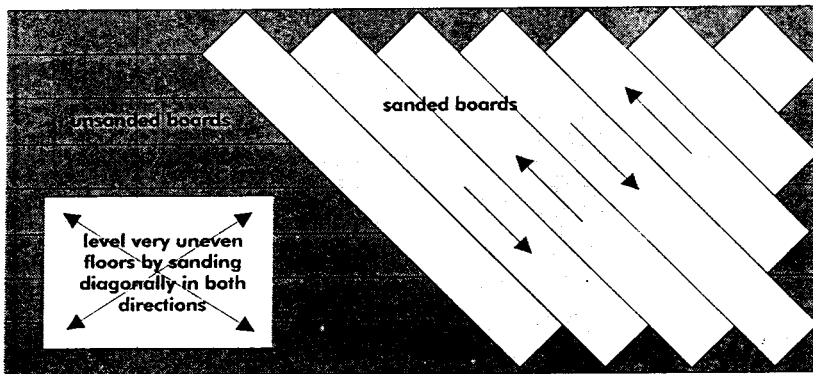
floor. Complete the sanding operation as detailed for plank or strip floors.

### BETWEEN COATS OF FINISH (VARNISH)

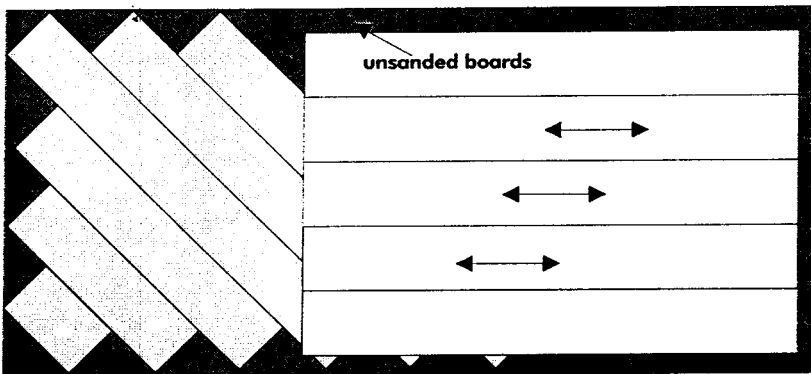
Use the HTF-2 Floor Sander to sand between coats of floor finish, particularly when using water based varnishes. These types of finishes tend to raise the wood grain when first applied to raw wood. Allow each coat of varnish to dry completely following the manufactures directions. Use Floor Team™ abrasive pads to sand between each coat of varnish. The fine abrasive pads will remove light brush/applicator marks and raised grain while maintaining the integrity of the coat of varnish applied.

## FLOOR SANDING TECHNIQUE

### Level uneven floors.



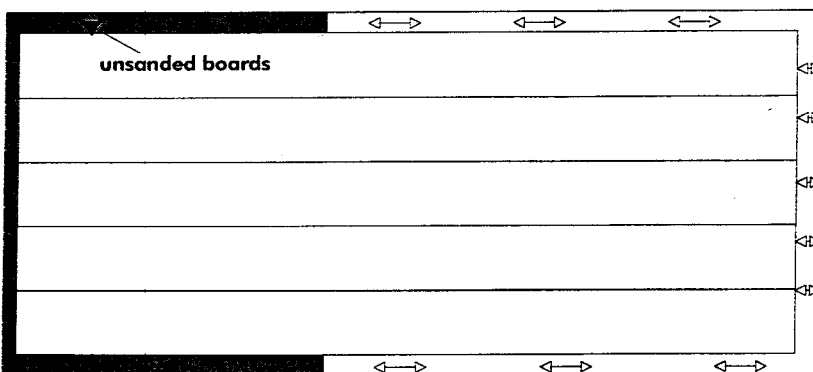
### Sand main floor area.



**Plank and Strip Floors** - sand in the direction the boards are laid, with the wood grain.

**Parquet and Wood Block Floors** - sand in the direction of the main source of natural light. If there is no natural source of light, sand in the direction of the 'longest side of the room. If the room is square, sand in the direction the furniture is laid out and how people normally use the room.

### Sand and blend edges in with main floor area.



## SPECIFICATION

The HTF-2 Floor Sander will sand wood floors, including fine parquet, pre-finished and laminate wood flooring systems, cork and composition floors to a fine finish. Ideal for sanding between coats of floor varnish and lacquers were a very high quality, score free finish is required. The finally balanced orbital action will not leave swirl marks in the floor surface which may be highlighted when varnished. Designed for sanding floors that are level and in generally good condition were the existing varnish has worn and requires re-finishing. Completely self contained with a powerful dust pickup the HTF-2 is a high performance floor sander suitable for professional and home owner use.

Power Supply:	110/120 V 50/60 Hz 220/240 V 50/60 Hz
Off Load Current:	110/120 V 8A 220/250 V 5A
Average Load Current:	110/120 V 15A 220/250 V 8A
Noise:	95 dBA at 1 metre (3' 3")
Switch:	Bias Off, double pole.
Motor:	Continuous heavy duty AC/DC self cooling 4 brush.
Motor RPM:	10,000
Drive RPM:	3,000
Sanding Pad:	400mm (15¾") x 115mm 4½" MDF back with nylon loop face.
Drive:	Non-slip toothed timing belt and toughened steel pinion and drive gear.
Moving Parts:	Sealed for life ball bearings.
Dust Pick-up:	Seated oversize vacuum fan, disposable paper dust bags or cloth bag.
Weight:	43kg (95lbs)
Abrasive:	400mm (15¾") x 115mm (4½") sheet 24 to 120 grit, nylon loop back 400mm (15¾") x 115mm (4½") random fibre abrasive pad 280 grit 400mm (15¾") x 33mm 1 / 16" abrasive strip 180 to 240 grit



Read the following Safety and Operational notes before using your HTF-2 Floor Sander.

## SAFETY

1. For safety it is recommended that a residual current circuit breaker (ground fault interrupter) is used with this machine.
2. Check the operating voltage is correct and that the machine is switched OFF (O) before connecting to the power supply.
3. Never attempt to lock the switch in the ON (I) position with tape or by any other means.
4. Always disconnect from the power supply when changing the abrasive, servicing the floor sander, replacing the dust bag or leaving the machine unattended.
5. Always replace the dust bag when the dust in the bag reaches the 'MAX' line or when the machine is left unattended.
6. Never dispose of or empty the contents of the dust bag into a fire or incinerator.
7. Never reuse the paper dust bag or use a non standard bag.
8. Always wear a dust mask when using the floor sander, handling the dust bag or cleaning the machine after use.
9. Wear ear protection when using the floor sander.
10. Ensure adequate ventilation of the work area to avoid the formation of a combustible mixture of flying dust and air.
11. Never smoke when using or servicing the floor sander or when handling the dust bag. Make sure that all possible sources of ignition are removed from the work area.
12. Never expose the machine to rain or damp. Always store in a dry place.
13. Stop the floor sander immediately if damage to the machine or abrasive is suspected.
14. Never allow the power cable to come into contact with the sanding pad when the floor sander is in operation. If the power cable becomes damaged and the inner conductors are exposed switch the power OFF (O) and remove the plug before attempting to move the machine. The cable must be replaced by an authorized agent or qualified electrician using genuine Floor Team spare parts only.
15. Keep hands, feet and loose clothing away from all moving parts of the machine.
16. Punch down or remove all nails, screws, tacks and other fixings from the floor before sanding to prevent contact with the sanding pad.
17. Keep children and pets clear at all times.
18. If the machine should fail to operate refer to the fault finding guide on page 9.

## ASSEMBLY & TRANSPORT

1. The HTF-2 breaks down into two component parts, the main body and handle assembly for easy handling and transport. To assemble loosen the Handle Clamp Handle and fit the handle assembly to the Handle Yoke which should be locked in the upright position. Tighten the Handle Clamp firmly.
2. Pull the Dust Bag Frame down to its operating position. Connect the Handle Cable to the Body Twist Lock at the rear left hand side of the floor sander body. Align the plug with the pins, push in and twist clockwise to lock.
3. Fit a Floor Team™ disposable paper dust bag following the instructions printed on the bag.
4. Tip the floor sander back so that it rests on the Dust Bag Frame to fit the selected abrasive. Remove the power cable from the handle assembly. Check that the cable is in good condition and the strain relief and plug are secure. The floor sander is now ready to connect to the power supply and start sanding.
5. To dismantle the floor sander reverse the procedure 1 to 4 above.
6. Always carry the floor sander by the front hand grip and the handle yoke which must be locked in the upright position with the handle detached. The dust bag frame should be stowed in the up position.



**WARNING** - Never carry the floor sander by the handle assembly and body or with the handle assembly attached. Failure to observe this rule may result in personal injury and/or damage to the floor sander.

7. Transport the sander with the sanding block and abrasive pad in place this will help maintain the dust brushes in good condition. Always ensure that the floor sander is secure and cannot move when being transported in a vehicle. The floor sander is heavy. Take care when lifting and carrying the machine.

## INSTALLING ABRASIVE

1. Ensure the power cable is disconnected from the power supply.
2. Lock the handle in the upright position and tip the floor sander backwards so that it rests on the dust bag frame. If a sanding block is already fitted the abrasive may be fitted with the sanding block left in place or it may be removed if required.

To remove the sanding block take hold of each end of the block and pull it off its mounting posts. Take care to pull the block off evenly and avoid trapping your fingers between the block and the body of the floor sander.

3. Refer to the Abrasive Guide on page 6 for the correct abrasive to use.
4. **Abrasive Pad** - fit an abrasive pad to the sanding block. Carefully line the pad up with the face of the sanding block and push down. The pad is both a fine abrasive and a backing pad for the coated abrasive sheets. It is important that the pad is maintained in good condition and not used beyond its useful working life.



**CAUTION** - Do not use any other type of abrasive pad or backing material as this may damage the floor and/or floor sander.

5. **Abrasive Sheets** - peel off the backing to exposure the adhesive back and carefully fix the abrasive to the face of the abrasive pad making sure it is in line. When changing abrasive sheets peel off carefully so as not to destroy the face of the abrasive pad.
6. With the abrasive fixed to the sanding block re-fit the block (if removed) to the floor sander.
7. Stand the floor sander up, it is now ready to use.
8. Periodically check that the abrasive pad is still in line with the sanding block. If the machine is tipped back when in operation the abrasive pad may become misaligned.

## Main Components

