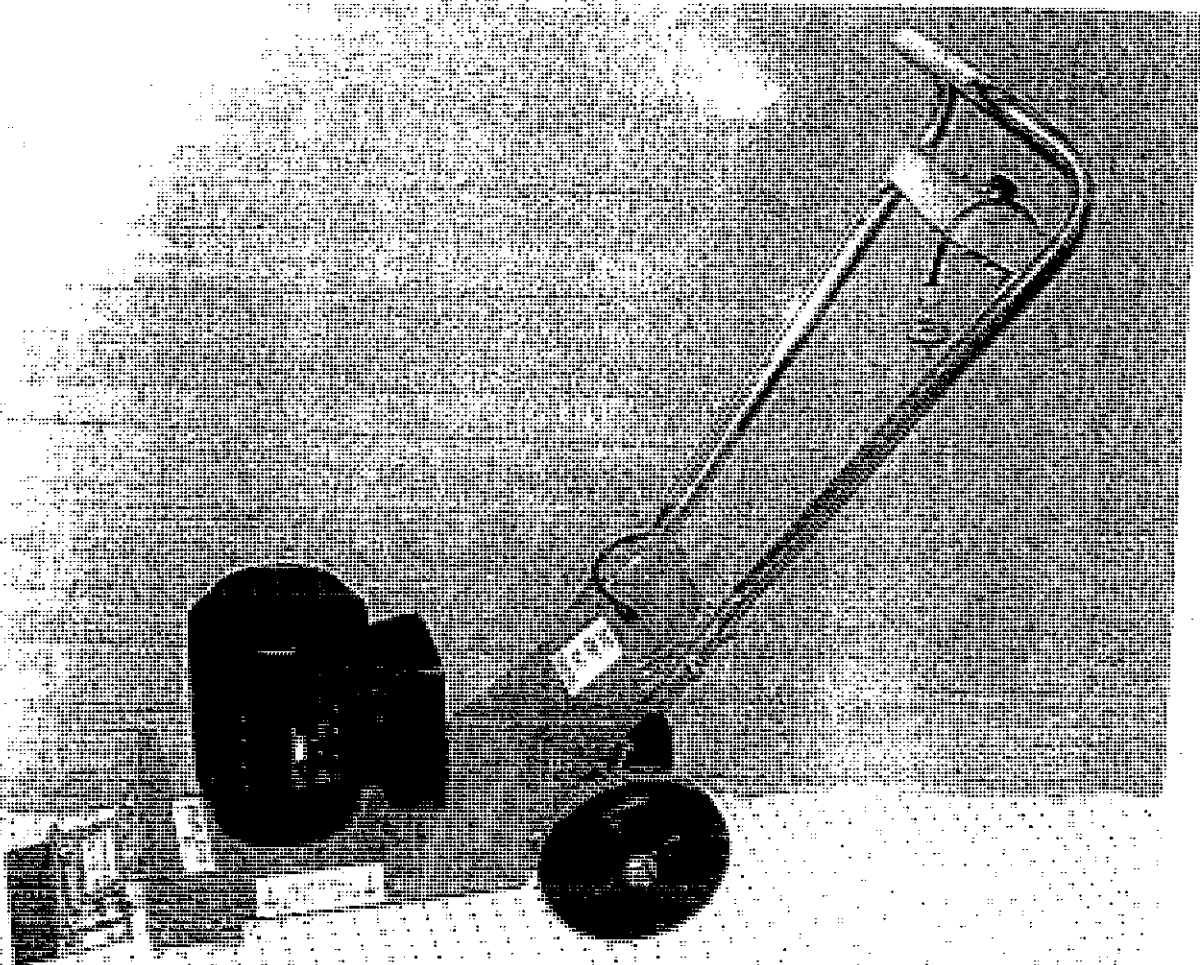




**BULLANT ORBITAL
FLOOR STRIPPER
Users Manual**

**Safety, Operation and
Maintenance Instructions**



**READ THIS BOOKLET BEFORE USE
KEEP IN A SAFE PLACE**



FOREWORD

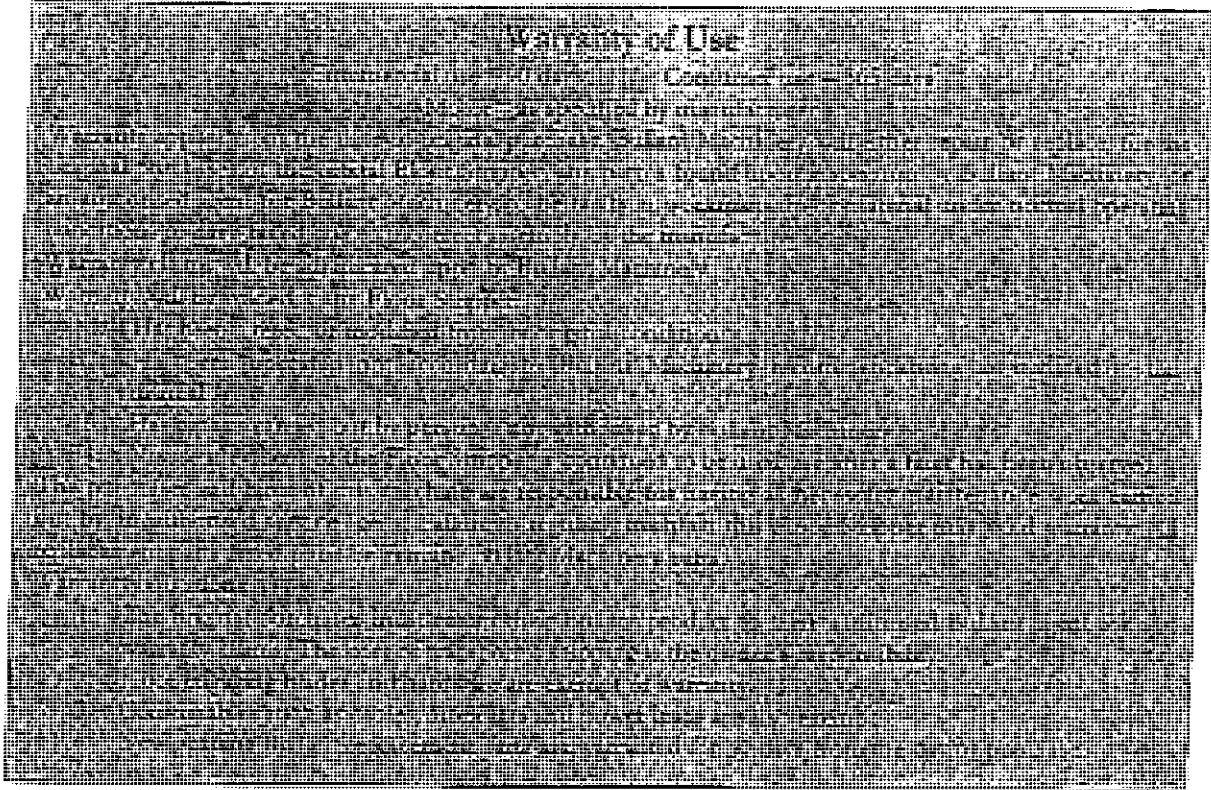
You are now the proud owner of the Bullant Model Orbital vinyl floor stripper. It is manufactured from the finest materials and under a rigid quality control system. It will give you long, satisfactory service. To obtain the best use of your vinyl floor stripper, please read this manual carefully. It will help you become familiar with the operation of the vinyl floor stripper and contains many helpful hints about safe operation, correct use and periodic maintenance. Powered floor cover stripping is one of the most efficient methods of floor preparation for refurbishment and renovations. This stripper is capable of removing most types of vinyl floor coverings and tiles and has enough power to virtually eliminate the need for time consuming manual effort which is normally required for good floor preparation.

Safety Alert Symbol



This Safety Alert Symbol is used throughout this document to bring to your attention processes and work tasks that could be hazardous to you or other persons when using the Bullant Orbital vinyl floor stripper.

Please read the messages and always follow the instructions carefully.



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Table of Contents

1 Bullant Orbital Floor Stripper Design Specifications5

2 For Safe Operation6

 2.1 Power cord.....6

 2.2 Before starting6

 Before starting continued...../7

 2.3 Operation7

 2.4 Manual handling & transporting safety7

 2.5 Maintenance safety8

 2.6 Motor safety precautions8

 2.7 End of the day.....8

3 Floor Stripper Safety Signs9

4 Floor Stripper Frame components10

5 Controls11

6 Pre-Start Checks13

 6.1 Stripper Blade13

 6.2 Daily Grease13

 6.3 Floor Stripper Folding Handle.....13

 6.4 Adjusting the stripper approach angle.....14

7 Operation14

8 Maintenance15

 8.1 Daily inspection.....15

 8.2 Maintenance Schedule.....16

 Maintenance Schedule (continued).....17

9 Storage18

 9.1 Care before prolonged storage.....18

 9.2 Cleaning after daily operation18

10 Troubleshooting.....18





1 Bullant Orbital Floor Stripper Design Specifications



CAUTION

This Floor Stripper is not to be used for any other purpose than stripping of vinyl floor coverings and tiles. It must not be used on floors that may conceal cabling, plumbing, other hazards, foreign or solid materials and protrusions. Any other use may result in damage to the floor stripper, serious or even fatal personnel injury and/or property damage. All foreign materials should be cleared from the work area prior to stripping.

The Bullant Orbital Floor Stripper is a Pedestrian type, 240 volt AC, walk behind, vinyl floor stripping machine.

It is specifically designed for use in removing vinyl floor coverings from various common types of floor surfaces that have previously been prepared for stripping by way of clearing of obstacles such as protruding nails, isolation and or removal of plumbing and electrical appliances and equipment. Or removal or isolation of any other obstacles within the work area that may present a safety hazard or interfere with intended work.

The Floor Stripper is manufactured in a solid steel chassis to protect from damage and provide years of reliable service. It comes with a lockable type folding handle to facilitate transporting.

The Bullant Orbital Floor Stripper is designed in accordance with ergonomic standards (SAA HB59) to suit operation by the typical adult. (80%)

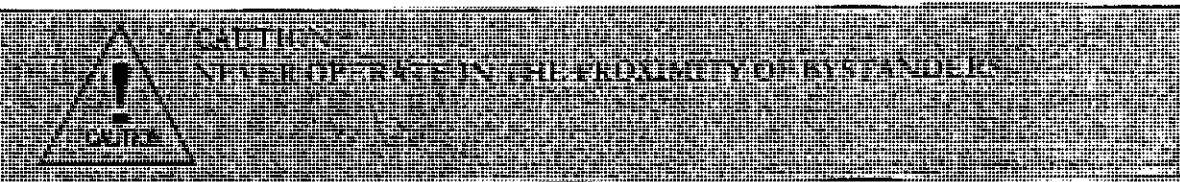
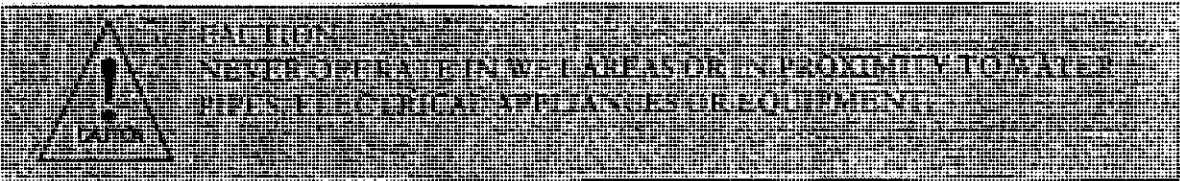
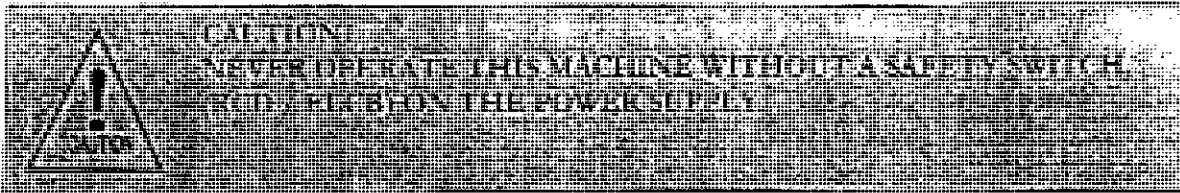
Operators of physical stature outside this group should consult their supplier.

Other features of the Bullant Orbital Floor Stripper include:

- Totally enclosed fan cooled electric motor
- Powder coated frame
- Electroplated mechanisms & handle
- Quick release, handle on stripper blade.
- Adjustable blade approach angle.
- Replaceable stripper blade.
- Quick release folding handle.
- Compact size for easy storage & transport.



2 For Safe Operation



2.1 Power cord

Ensure the power cord and plug is in good condition. (Do not operate the unit if the electrical components are damaged.) Keep your extension lead clear of your Floor Stripper, do not create hazards.

2.2 Before starting

- (1) Apply grease to stripper mechanism grease nipple as per maintenance section 8.2
- (2) Read and understand this entire manual before attempting to start and operate the Floor Stripper. Have an experienced operator train you in the correct and safe use of this machine.
- (3) Read and understand all safety information signs, familiarize yourself with all controls and know how to stop the Floor Stripper in an emergency.
- (4) Do not wear loose, bulky clothing when operating the Floor Stripper. Wear safety shoes and eye protection when operating the Floor Stripper.
- (5) Do not operate this Floor Stripper without a safety switch (RCD) on the power supply. (Consult your supplier)
- (6) Do not allow anyone to use the Floor Stripper who has not been given proper instruction.
- (7) Keep bystanders and pets away from the Floor Stripper.
- (8) Clear the area to be stripped of all objects that may be struck and thrown by the stripper blade. Make sure all safety equipment on the stripper is in place and functioning properly before use.
- (9) Always keep a tight grip on the handles as the stripper may strike a solid object during use.



Before starting continued...../

- (10) Ensure the stripper blade is fitted securely prior to connecting power lead.
- (11) Always disconnect power supply lead from Floor Stripper when not in use and before servicing.

2.3 Operation

- (1) Before connecting power lead, make sure the stripper blade is in good condition and fitted and secured correctly. (see section 7)
- (2) Ensure the "ON / OFF" switch is in the off position.
- (2) Clear the work area of personnel, obstacles and other hazards. Watch where you are going at all times. Stay clear of obstacles.
- (3) If the stripper strikes an object while working, switch power switch to the "OFF" position, remove the power lead and check for damage. If safe to do so, remove the foreign object protruding from the floor. Place a protective barrier around the object if it is not safe to remove it.
- (4) Stay alert for changes in floor levels and other hidden hazards.
- (5) Never let go of the handle while the stripper motor is in operation.
- (6) Electricity is hazardous. Ensure that electrical equipment on the stripper unit is in good condition and undamaged. Always disconnect power lead prior to placing body parts in proximity to stripper blade. Always clean up any water spills prior to work.
- (7) Do not operate the stripper on floors with holes, high work areas without safety rails or where fall risks are present.

2.4 Manual handling & transporting safety

- (1) This machine weighs approximately 40 kg, it is recommended that it be lifted by a mechanical lifting device. Where it is not practicable to use mechanical lifting aids it is necessary that the Bullant Orbital Floor Stripper is handled by two persons of similar physical size. Each person must maintain a firm grip at each end of the frame and kinetic lifting techniques must be employed.
- (2) It is recommended that this machine be transported in a folded position, use a pick-up truck, trailer or other suitable vehicle. Avoid lifting this unit into a passenger car boot as back injury risks are possible. Be sure to chock and restrain the Floor stripper when stored in vehicles to prevent vehicle and Floor Stripper damage.
- (3) The Floor Stripper blade approach angle must be set at the "Flatter" or lowest suitable setting that enables satisfactory stripping without the blade damaging the floor surface.



2.5 Maintenance safety

- (1) Switch off the motor and disconnect the power lead before working around the stripper blade or making adjustments.
- (2) Keep the stripper in good operating condition at all times.
- (3) Keep all nuts, bolts and screws tight.
- (4) If the stripper strikes an object, switch off the motor and disconnect the power lead. Inspect for damage and ensure the stripper blade has not been damaged or dislodged. Any damage to the stripper must be repaired by your dealer before re using the stripper.
- (5) After operating the stripper for a period of time, allow sufficient time for the motor to cool before making any adjustments or other work.
- (6) Check stripper blade for damage (eg : cracks, excessive wear, loose or broken blade clamp bolts or parts.)

2.6 Motor safety precautions

- (1) Do not wash the motor.
- (2) Do not wet the Floor Stripper unit. Cleaning of the unit may be carried out after disconnecting power lead by using a soft bristle brush to clean off all loose material and then wiping down with a damp cloth. **DO NOT USE CLEANING AGENTS.**
- (3) **DANGER ELECTRIC SHOCK RISK!** Do not tamper with electrical equipment. All electrical repairs must be carried out by a licensed electrician. It is dangerous and illegal for persons without appropriate licensing to carry out electrical work.

2.7 End of the day

- (1) Disconnect power supply lead.
- (2) Use a brush and damp cloth to clean down unit.
- (3) Inspect all moving parts for damage or wear
- (4) Allow the motor to cool before storage.



3 Floor Stripper Safety Signs

BULLANT MACHINERY
1300 557 516
MELBOURNE
www.bullant.biz

OFF
ON

USE RCD PROTECTED POWER SUPPLY ONLY

BLADE APPROACH ANGLE

FLATTER **STEEPER**

BLADE CLAMP

RELEASE **LOCK**

GREASE **DAILY**

DANGER

KEEP HANDS AND FEET CLEAR

OPERATING SAFETY INSTRUCTIONS

- Read and understand this Bullant Operators Instruction Manual before operating this machine.
- This machine weighs approximately 40kg - two person lift only.
- Familiarise yourself with the machine, controls and all safety instructions before starting engine.
- Do not leave this machine unattended while the engine is running.
- Turn off the motor at all times when this machine is not in use.
- Do not operate in wet conditions.
- Use RCD protected power supply only.
- Disconnect power supply prior to blade replacement or other work.
- Untrained people, children or persons under the influence of alcohol, drugs and / or fatigue should NEVER operate this machine.
- Keep animals and bystanders clear of the machine at all times.
- Remove blade from drive head when handling, transporting or working on this machine.

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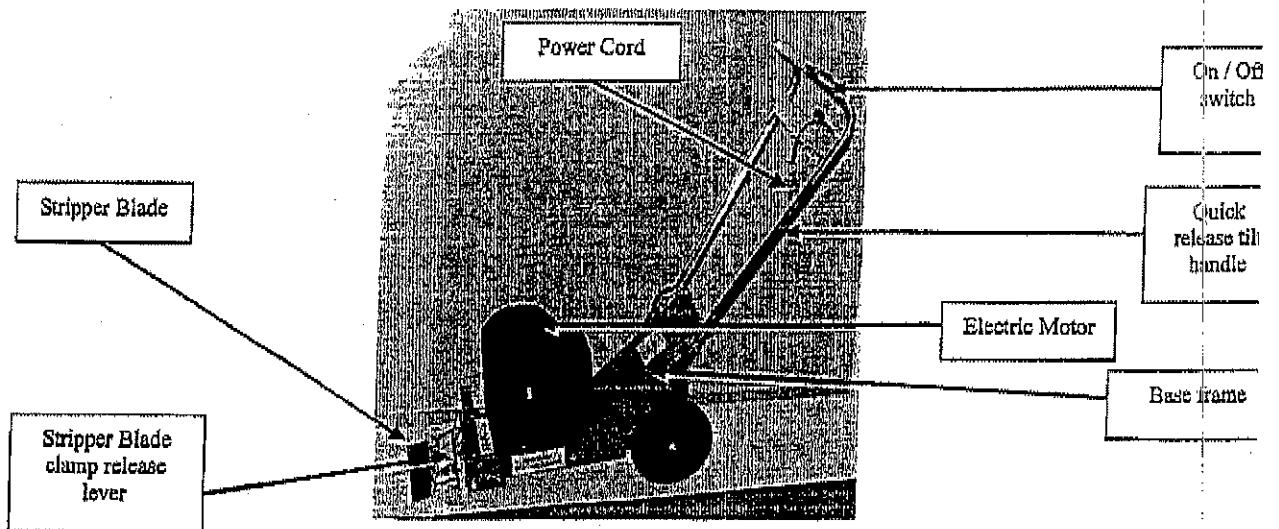
CAUTION

SHARP BLADE

KEEP HANDS AND FEET CLEAR



4 Floor Stripper Frame components



By reading this manual thoroughly, you will find that the Bullant Orbital Floor Stripper requires little periodic maintenance. Regular maintenance may be carried out by the operator. When the Bullant Orbital Floor Stripper requires servicing, be sure to have it carried out by your appointed Bullant Machinery service agent.

When spare parts are required, be sure to have this manual with you so as to state the Floor Stripper model and serial numbers. The Floor Stripper serial number is located on the compliance plate fitted to the base frame. Note these numbers now and record them below.

BULLANT Orbital Floor Stripper Warranty Registration

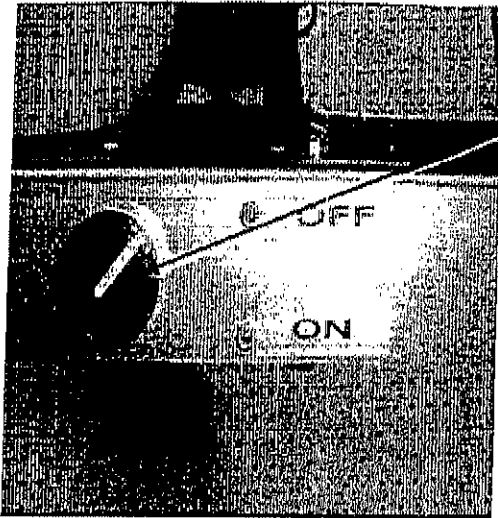
Floor Stripper Serial No. _____ Date of Purchase _____
 Purchasers Name _____ Purchasers Contact Details Ph No. _____
 (This section must be completed by seller)

Model		FS24000
Machine dimensions	Overall length	700 mm
	Overall width	360 mm (maximum) 215 mm (wheel base)
	Overall height	400 mm
Weight		40 kgs
Tyres		Solid Rubber
Motor	Model	AEG
	Type	Single phase 1400 R.P.M, 2400 Watts 1.5 HP
	Power	240 volts AC, 50 Hz

At the time of publication all information herein was correct. However the manufacturer reserves the right to alter specifications of parts and dimensions in an endeavour to deliver ongoing quality performance and reliability from its products.



5 Controls



On / Off switch



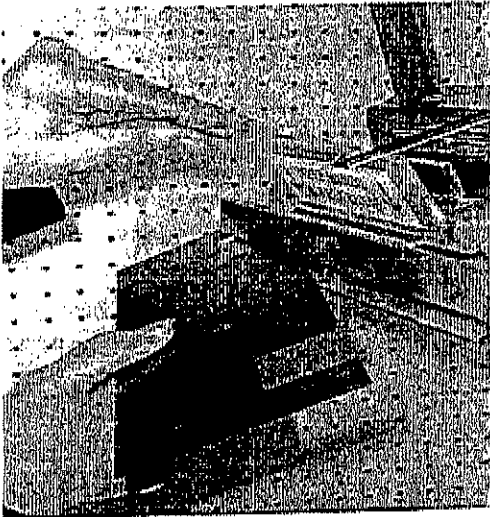
Handle release lever



Blade Release Lever



Engaging Blade Release Lever



Removing blade



Approach angle lever




6 Pre-Start Checks



CAUTION


- Read and understand the Safe Operation in the front of this manual.
- Read and understand the warning and caution labels located on the Floor Stripper.

- (1) Always perform Pre-Start checks before connecting the Bullant Orbital Floor Stripper to the power source and turning the motor on.
- (2) Ensure the floor being stripped is free of any foreign objects.
- (3) Locate, mark and/or barricade obstacles that cannot be removed from the floor being stripped.



CAUTION

- Do not use the Floor Stripper in proximity of electrical cables or equipment.



CAUTION

- Do not use the Floor Stripper on wet floors.

6.1 Stripper Blade

Ensure Stripper Blade is securely fastened and Blade Clamp release lever is in the "Lock" position

6.2 Daily Grease

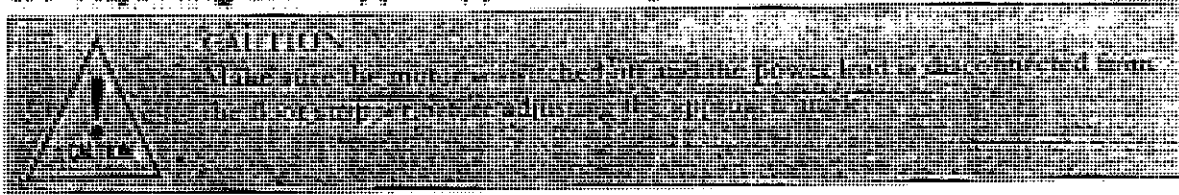
The Floor Stripper Blade actuator mechanism assembly grease nipple must be greased with general purpose grease daily.

6.3 Floor Stripper Folding Handle.

Ensure Floor Stripper Handle release handle is securely fastened.



6.4 Adjusting the stripper approach angle



- (1) Support Floor Stripper handles to raise the guide wheels from the floor, or lean machine forward against the stripper blade end of the machine to take all weight off the guide wheels.
- (2) Pull out the lock bolt.
- (3) Slide the rod up or down as desired.
- (4) When in a suitable position, push the lock pin into one of the holes.
- (5) The approach angle can be set in a choice of 4 positions.

Note: Ensure the Stripper blade approach angle is appropriately set for the floor being stripped. (Always start at the lowest, "Flatter" approach angle position and adjust upwards if necessary to improve performance of the stripper. Selecting a too "Steep" approach angle can result in damage to the floor surface, the stripper blade and to the stripper actuator mechanism.

7 Operation

- (1) Fit and secure a new Bullant original part stripper blade. (FS-BLD)
- (2) Adjust approach angle to "flatter" position.
- (3) Take firm grasp of handle.
- (4) Push handle downward to raise stripper blade from surface of floor.
- (5) Turn "On/ Off" switch to on position.
- (6) With both hands on the control handle manoeuvre the Floor Stripper into position at the edge of the vinyl floor to be stripped.
- (7) Carry out vinyl stripping in a forward direction. To achieve best results from your Bullant Orbital Floor Stripper work in a straight line towards the front of the machine. To avoid injuries or damage to the unit, do not walk backwards. Avoid pulling the unit backwards as trip hazards and striking injuries may result.



At all times ensure the extension lead is protected from damage. Keep extension lead well clear of the stripping blade at all times.



8 Maintenance

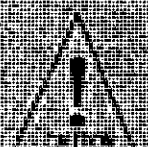
Periodic maintenance is vital for the safe and efficient operation of your Bullant Orbital Floor Stripper. Check table below for periodic maintenance intervals.

8.1 Daily inspection



CAUTION

- Switch off the machine, disconnect power lead and allow the motor to cool before carrying out inspection, adjustment or replacement of parts.



CAUTION

- Do not use power tool bearings grease the stripper mechanism.
- Wipe off any vinyl film or wax material.

The following chart is based on normally expected floor stripper use.

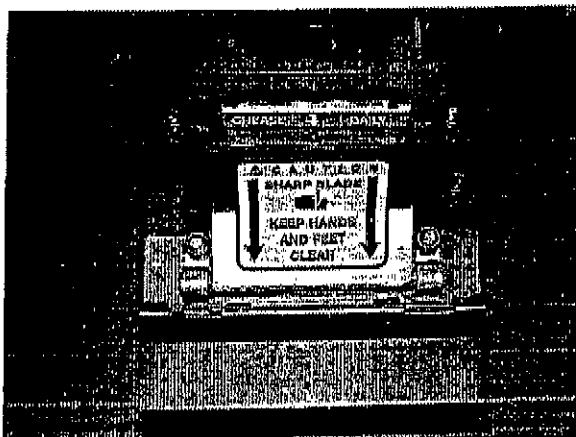
	8 hours daily	Service information
Grease Lubrication Floor Stripper rotor	✓*	Minimum 4 pumps of multi purpose grease
Check stripper mechanism for wear.	✓*	Ensure there are no broken or worn parts. Ensure there is no excessive free play in linkages and mechanism. Return to your authorised service agent for repairs
Check motor and frame bolts for looseness	✓*	Re torque to manufacturers specifications as necessary. See general bolt torque specification chart/maintenance schedule
Check power lead and plug condition	✓	Check for any visible damage, broken insulation or exposed wires. Have repairs carried out by a licensed electrician only
Check condition and presence of all safety and operation signs	✓	See section 3 Page 9. Order new parts from your authorised service agent
Check for correct operation of quick release handles	✓*	Check tilt handle quick release mechanism, stripper blade release mechanism and stripper approach angle mechanism. Lubricate as necessary
Check condition of guide wheels.	✓	Return to your authorised service agent for repairs.

* More frequently in extreme conditions

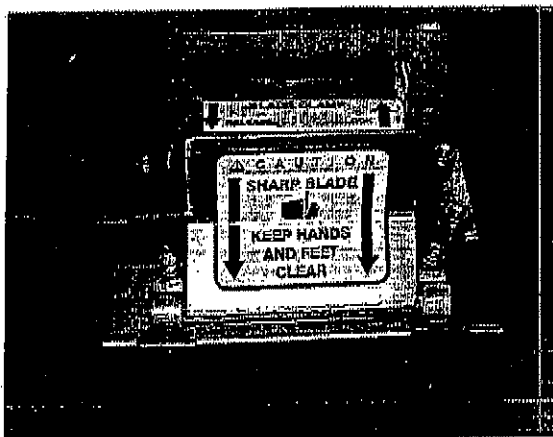
Return to service department



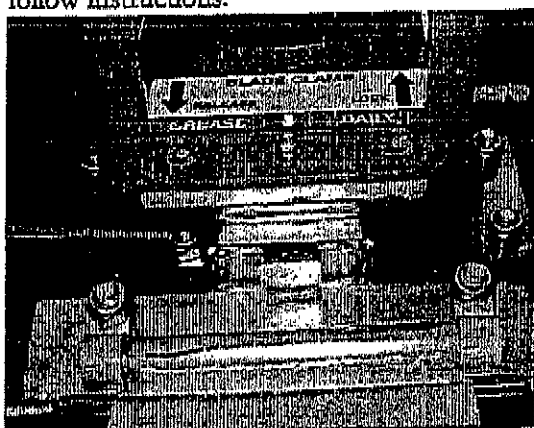
8.2 Maintenance Schedule



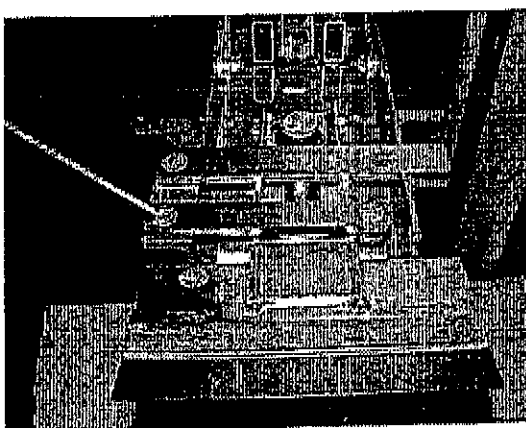
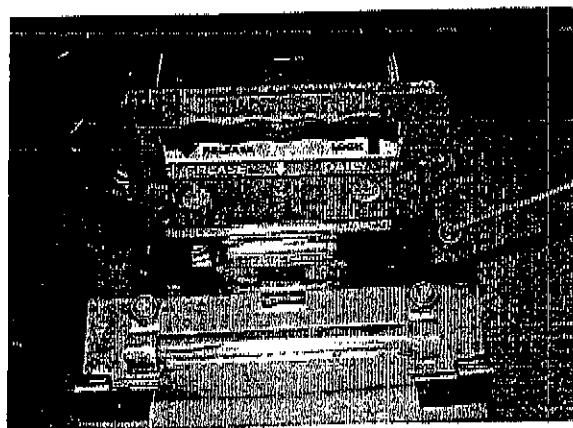
As the Bullant Orbital Floor Stripper is used, the cutting head will get sideways movement over time. This has been allowed for in the design of the machine. To eliminate this movement, please follow instructions.



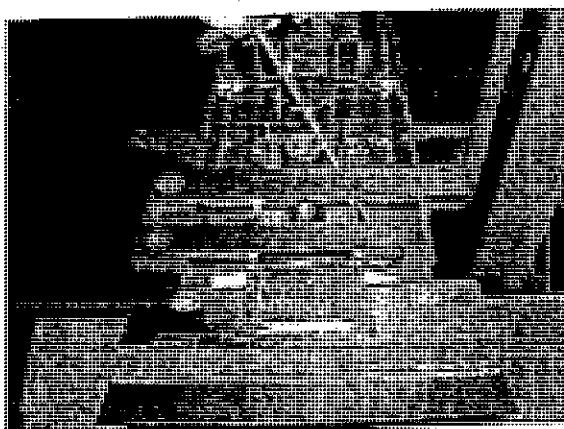
Caution : Remove from power supply before commencing any service or maintenance !
1. Pull quick release blade mechanism forward.



2. Loosen lock nuts (17mm)

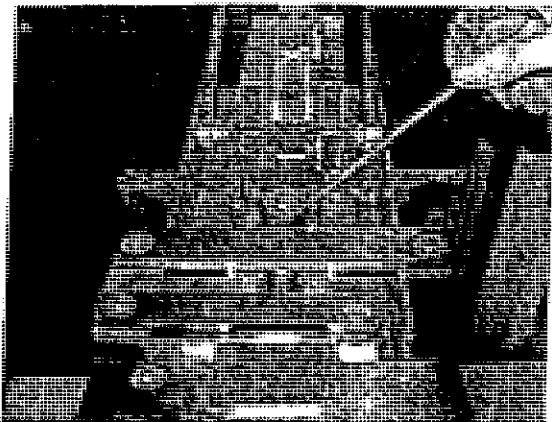


Tighten counter-sunk screws (6mm allen key) one side at a time, until there is minimal sideways movement (refer next step for each screw).





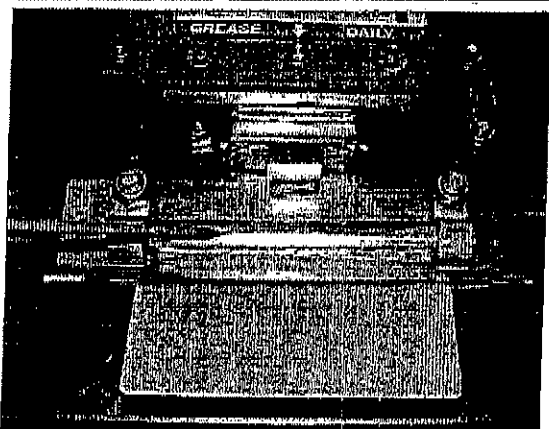
Maintenance Schedule (continued)



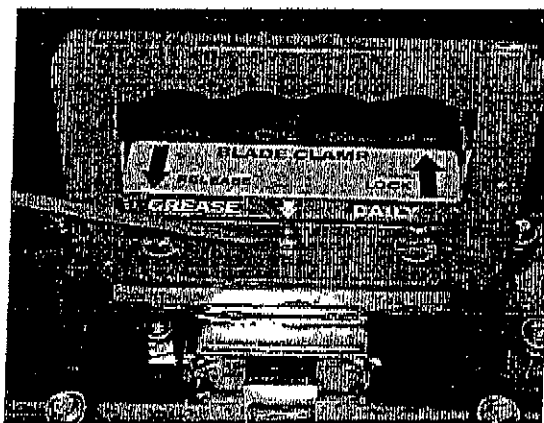
4. Turn drive shaft by hand. There should not be any tight spots. If there is, back off slightly the suspect screw.

5. Tighten lock nuts.

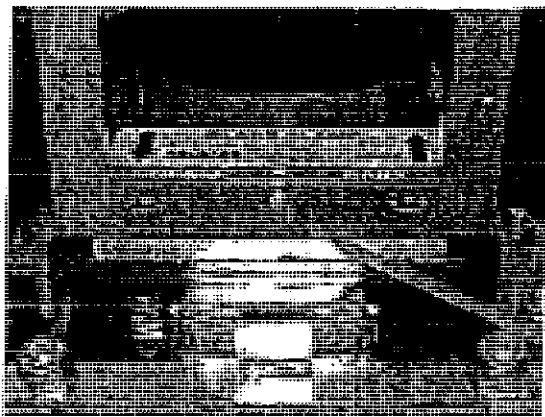
6. After tightening lock nut, turn drive shaft by hand (after each nut again) as this can cause a tight spot once tightened.



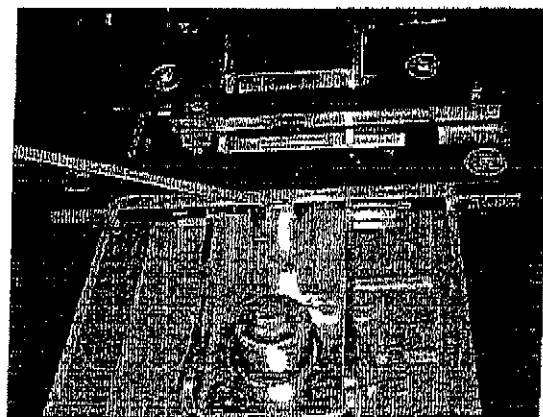
7. Grease blade lock camshaft and top jaw.



8. Grease wear pad nipple.



9. Check brass wear pad for wear. (minimum recommended thickness 6mm). Part No : CE-FS-DRVH-PD



10. By removing plate, check bronze thrust pad for wear. (minimum recommended thickness 10mm). Part No : CE-FS-BP

Additional Maintenance

- Check all power leads for damage
- Check handle locks in tight. If worn replace damaged parts
- Check wheels for slack (tighten nyloc until minimal movement, but still able to turn freely).
- Replace any lost or damaged safety decals

For any further information or queries you may have, please contact us.



9 Storage

- (1) Disconnect power lead and allow motor to cool.
- (2) Remove stripper blade from clamp.
- (3) Clean all foreign material and dirt from unit.
- (4) Lubricate all moving parts on release handles and latches.
- (5) Grease stripper actuator mechanisms.
- (6) Release quick release latch on control handle and fold up handle.
- (7) Store the Bullant Orbital Floor Stripper in a clean dry place.

9.1 Care before prolonged storage

Just as in the cleaning after daily operation, (1) Remove the stripper blade, clean off tile and glue material from the stripper, (2) wipe surface free of moisture with a dry cloth, and (3) oil the quick release lever moving parts with a light oil.

9.2 Cleaning after daily operation

Be sure to clean the Floor Stripper after every use.

- (1) Disconnect power lead.
- (2) Remove the stripper blade for storage.
- (3) Allow the electric motor to cool.
- (4) Brush off dust and use a damp cloth to wash off dirt thoroughly from all parts of machine.

10 Troubleshooting

When the motor will not run;

- (1) Is the power lead plugged in and turned on at the power point?
Disconnect and re fit plug connections
- (2) Is the power lead in good working condition?
Replace power lead.
- (3) Is there power supply to the power point?
Plug an alternative appliance into the power point and check that it operates.
- (4) Is the On / Off switch turned on?
Take a firm hold of the handle and turn on switch to the "On" position.
- (5) If the Bullant Orbital Floor Stripper still does not operate, return it to your service agent for repair.

