



Industrial Floor Stripper Operator's Manual



DO NOT operate this equipment until you have read and understood all the enclosed Operator's Manual.

READ ALL the sections in this manual PRIOR to attempting to service, maintain or operate this equipment.

Warranty Statement

The SAMURAI Industrial Floor Stripper, is guaranteed to be free from any manufacturer's defects in material and workmanship for a **period of six (6) months from the date of purchase**. This warranty is exclusive of any normal wear and tear and/or consumable parts, such as, but not limited to, rubber bushings and blades. All normal wear and tear and/or consumable parts are protected from manufacturer's defects in material and workmanship for a **period of thirty (30) days from the date of purchase**.

Warranty Summary

1. SAMURAI Industrial Floor Stripper
2. SAMURAI normal wear and tear parts or consumable parts

Protection

6 months parts and labour
30 days parts and labour

To make a warranty claim within this time period, please contact the Service Manager at your local authorized service centre, who will advise the validity and claim procedure. Once the claim has been accepted, the unit and/or parts should be shipped to the specified Authorized Service Centre at the customer's expense. Be sure to securely pack the unit and parts in a strong container. Damage in transit is not covered by this warranty. All approved repairs under this warranty will be returned free of charge.

Warranties expressed in this document are void if repairs are attempted by anyone other than an Authorized Service Centre or if the unit has been modified from original factory design in any way. This warranty is expressly conditional upon the customer's compliance with all precautions and instructions contained in this manual and excludes any claims made as a result of abuse, neglect, accident, normal wear and tear and misuse. This warranty is nontransferable.

Our liability under warranty is limited to the repair of the product and/or replacement of parts and is given to the purchaser in lieu of all other remedies including incidental and consequential charges. There are no expressed warranties other than those specified herein.

Technical Support Hotline

c/o Technical Service
Uniquip Canada Inc.
SAMURAI North American Authorized Dealer
www.uniquip.ca

English Service
T : 1-888-332-4012
F : 1-866-567-0956

French Service
T : 1-800-332-4012
F : 1-866-825-2221

Warranty Registration

Congratulations for purchasing the SAMURAI Industrial Floor Stripper to meet all your tough jobsite needs! Please file your original bill of purchase for this unit in a safe place. For warranty service of the SAMURAI you will need to provide a copy of this document to confirm your warranty status.

Product registration is a key step toward enjoying your new product! While registration is not necessary to enjoy our manufacturer's warranty, there are many benefits to participating in this program. Registration helps to facilitate warranty service, and notify you of any updates, changes, and service advisories on your product. Complete this Warranty Registration Card and mail it to the address on the back of this card or fax it to:

SAMURAI Warranty Programme

c/o Technical Service

Uniquip Canada Inc.

North American Authorized Dealer

P: 1-888-332-4012

F: 1-866-825-2221

Warranty Registration Information

A. Ownership Information

Owner's Name:	
Company Name:	
Company Address:	
Company Telephone:	
Company Fax:	
Company E-Mail:	
Company Website:	

B. Machine Information

Machine Make:	
Machine Model #	
Machine Serial #	
Date of Purchase:	

C. Product Information Update

Can we contact you with any product-related news?	
Who should we contact?	
Contact Telephone:	
Contact Fax:	
Contact E-Mail:	
What is the preferred contact method?	

Fold along dotted line

Place
Stamp
Here

SAMURAI Warranty Programme

c/o **Uniquip Canada Inc.**

North American Authorized Dealer

4101 boul. Industriel

Laval QC

H7L 6G9

ATTN: TECHNICAL SERVICE

Fold along dotted line



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READ ALL the sections in this manual PRIOR to attempting to service, maintain or operate this equipment.

Pre-Operation Note

Thank you for your purchase of the SAMURAI Industrial Floor Stripper. This floor stripper has been designed and manufactured to our highest quality demands for durability and performance.

We are committed to offering durable products and quality after-market service. The SAMURAI Industrial Floor Stripper is warranted to be free from manufacturer's defects in material and workmanship for a period of six (6) months from the date of purchase. This warranty will be void if the machine has not been operated and maintained in the manner prescribed in this Operator's Manual. Any machine malfunctions, and/or warranty claims that arise from the misinterpretation or the misunderstanding of the instructions and cautions discussed in this booklet will not be eligible for warranty protection.

In order for the floor stripper to perform at its optimum capabilities, the operator **must read this manual thoroughly** before using this unit. This Operator's Manual contains important product operation procedures, safety precautions, maintenance and troubleshooting tips as well as other advisories. Please keep this manual nearby at all times when operating the machine as a reference should any questions arise. If the machine is sold or transferred to another user, please ensure that this manual accompanies it.

The SAMURAI Floor Stripper is designed to remove existing laminate, vinyl and parquet flooring. **NOT RECOMMENDED FOR USE WITH CERAMICS.** The machine should not be used for any other purpose than that stated above. The inappropriate use of any machine can cause serious damage and/or bodily harm to the environment and operator. It is imperative that the operator of this equipment be responsible for the operational environment of the floor stripper. Please be prepared and well-informed for all specific requirements precautions and work hazards that may and/or do exist at the jobsite.

Powered by a 1/2 hp, 5A induction electric motor, the SAMURAI is an industrial-use unit designed to make floor stripping fast and easy. The SAMURAI has many features which are designed to improve your working experience. It comes with a complete set of accessories, including 3 different kinds of blades and their support mounts to help you tackle each type of flooring with the right tool! The nut driver included is a handy tool to help you change blades and perform maintenance quickly and safely. The removable extension handle maximizes comfort and ease of use of the floor stripper for both floors and stairways.

In order for you to enjoy the most out of your new floor stripper, always keep safety as a priority. Inspect your jobsite for any debris such as chipped tiles, glass, wiring, string or any other items that can become hazardous during work. Ensure that there are no electrical hazards, such as the presence of water, hazardous and flammable substances. Make sure that the main power switch, located on the main unit, is switched OFF when there is no operator present. The jobsite environment, floor conditions, job specifications and operator experience will all be factors that must be considered to select the proper tool for the job. Failure to maintain the floor stripper in a proper manner will lead to decreased productivity of the tool and hazards to the operator and bystanders. Do not use the machine if it has been modified or improperly maintained.

All jobsites are different. Please ensure that when using the SAMURAI Floor Stripper, all local bylaws and codes are followed. All operators and mechanics of this machine should be trained in general machine use and safety.

Every care and effort has been made to ascertain the accuracy and completeness of procedures described in this document to ensure your enjoyment and satisfaction. If you have any questions or concerns, please contact the Service Department at your authorized dealer.

Safety Precautions

1. READ AND UNDERSTAND OPERATOR'S MANUAL PRIOR TO USE OF FLOOR STRIPPER.

2. Before operating floor stripper, ensure that it is structurally and mechanically safe by checking the following:
 - a. Is the motor functioning within acceptable tolerances?
 - b. Are the bushings for the enclosure and vibrating plate showing excessive wear and tear or uneven wear patterns?
 - c. Are all the electrical cords and strain reliefs in good condition, with no evidence of rips, tears, cut insulation or bare wire showing?



If any of the above checks fail, please take necessary steps to maintain or repair the unit before operating it in any environment.

3. Before using the floor stripper on proposed jobsite, perform the following environmental checks:

- a. Inspect the entire work area for unexpected hazards, such as gas and water pipes, electrical wiring or cabling, under-floor heating systems, damp areas or leakages.
- b. Clean work area of any litter or debris, such as wire, boards, rocks, or any other potential hazards.
- c. Verify that the machine will not be used in an area of standing water, or that its power cord will be routed through such conditions.
- d. Electrical power is supplied from a grounded and safe source, and that the source is of the same voltage to that specified on the machine.



Call your local utility company so that they can locate and mark these lines for you. Any cut electrical cable or gas line can result in injury or fatality.

4. Before using the floor stripper on proposed jobsite, make sure that the operator is thoroughly familiar with the machine and its components (see "Machine Overview").

5. When operating the floor stripper, follow these guidelines for operator's personal safety:

- a. Always wear proper safety clothing and equipment for the job. These can and should include eye and ear protection, protective helmets, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements
- b. Never wear any jewelry, neck ties, or other loose or hanging items that can be caught on any part of the machine
- c. Tie back or remove any loose hair, clothing and any other potential hazards and obstructions
- d. Keep all hands, loose clothing, hair, jewelry and all other personal parts and belongings away from moving parts of the machine.
- e. The last operator may have been negligent and his possible oversight could cause you death or serious injury. Inspect machine before each use.
 - i. Verify that all enclosures and blades are whole and undamaged (ie.: no cracks) and will operate properly and perform its intended functions.
 - ii. Verify that the moving parts are properly aligned and installed
- f. Always use the proper size grounded outdoor use extension cord, conforming to your local electrical codes and ordinances. **Minimum** acceptable gauge is 14 AWG.
- g. **NEVER** allow machines to run unattended. **ALWAYS disconnect and store the machine away if operator is not available.**
- h. The electrical motor will heat up when machine is in use. Machine **must be allowed** to cool before touching it or attempting to perform any maintenance!
- i. Always allow blade and the motor to completely stop before attempting service or changing blades.

Safety Precautions cont'd ...

6. For the safety of others and that of the operator, observe the following precautions:
 - a. Keep observers and bystanders away from the floor stripper and its immediate working environment (i.e.: the room or staircase that is being stripped etc.) while the machine is in use.
 - b. Before using the floor stripper, power on the floor stripper and observe if there is any unusual wobbling or vibrations that indicate poorly installed blades or bushings that may require replacement. **DO NOT USE IF MACHINE SHOWS SIGNS OF ABUSE OR POOR MAINTENANCE.**
 - c. **Stop** operations or if anyone or anything (i.e.: humans, animals, debris etc.) approaches from any direction while the machine is in operation.
 - d. **Stop** work and turn off the floor stripper if it hits any debris that jams the machine or causes it to labour unnecessarily. Inspect the floor stripper and surrounding environment for any possible causes.
 - e. If the machine is jammed, turn the unit off using the main switch and **disconnect** the floor stripper from its power source **before** attempting to clear any jams in the unit.
 - f. Stop all work, turn off floor stripper, unplug power cord(s) and ensure that motor is turned off and cooled before performing any diagnostics or repairs.
 - g. **VIBRATING FLOOR STRIPPER BLADES CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT ATTEMPT TO PERFORM ANY REPAIRS, SERVICE, OR DIAGNOSTICS OR TO TRANSPORT OR MOVE THE UNIT UNTIL THE BLADE AND MOTOR HAVE BOTH COME TO A COMPLETE STOP. FAILURE TO DO SO MAY RESULT IN SEVERE INJURY OR DEATH.**
 - h. **Never leave machine unattended**
 - i. **DO NOT**, under any circumstances, operate machine if any of the following conditions are applicable:
 - i. Any impairment (i.e.: medical conditions, medicinal side-effects, alcohol, drugs etc.) of the operator.
 - ii. The operator has not read or understood the operator's manual for this machine.
 - iii. The operator does not clearly understand the operations of the machine.
 - iv. The machine is in need of repair
 - v. The operator is inappropriately attired to operate the machine.
7. Due to the nature of the machine and the tasks that it is designed to perform, consider the following cautionary recommendations:
 - a. The machine is designed to operate at optimum efficiency. **DO NOT FORCE THE MACHINE TO FUNCTION FASTER THAN THE RATE AT WHICH IT HAS BEEN SET.**
 - b. **ALWAYS** guard against electrical shock. DO NOT come into contact with grounded surfaces, such as pipes, radiators, refrigerators etc.
 - c. **ALWAYS** wear protective eyewear and gloves when using the SAMURAI Floor Stripper. Removing flooring materials creates a dusty environment in which the operator should always be protected.

SAVE THESE INSTRUCTIONS!!

Guide to Parts Breakdown

Regular maintenance and parts replacement are important steps to extending the life of your equipment and enjoying its optimum performance. When performing or conducting any maintenance or repairs, always check that your working surroundings are safe and well-ventilated and that the technician is familiar and comfortable with all aspects of the machine and required procedures.

This guide aims to serve as a representational guide to the SAMURAI. Any other uses or application beyond the scope of this document are strictly prohibited. While every attempt has been made to maintain its accuracy, SAMURAI reserves the right to update and modify the equipment without prior notification. Prior to undertaking to perform any maintenance or repair procedures, please contact our Technical Support Hotline for clarification and to acquire appropriate parts.

To order spare parts, please provide the following information:

1. Machine Make
2. Model Number
3. Machine Serial Number
4. Quantity Required of Each Part
5. Part Numbers
6. Part Descriptions.

All SAMURAI parts are guaranteed by a thirty (30) day warranty against any manufacturer's defects in workmanship and material. Consult page A in the Operator's Manual for further details on our Warranty Policy.

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This technical drawing is an exploded view of a mechanical assembly, likely a hand tool or a small machine. The components are numbered 1 through 69. The assembly includes a main body (1), a handle (2), a motor or actuator (3), a gear or pulley (4), a shaft (5), a bracket (6), a tube (7), a cap (8), a handle (9), a bracket (10), a tube (11), a bracket (12), a tube (13), a bracket (14), a tube (15), a bracket (16), a tube (17), a bracket (18), a tube (19), a bracket (20), a tube (21), a bracket (22), a tube (23), a bracket (24), a tube (25), a bracket (26), a tube (27), a bracket (28), a tube (29), a bracket (30), a tube (31), a bracket (32), a tube (33), a bracket (34), a tube (35), a bracket (36), a tube (37), a bracket (38), a tube (39), a bracket (40), a tube (41), a bracket (42), a tube (43), a bracket (44), a tube (45), a bracket (46), a tube (47), a bracket (48), a tube (49), a bracket (50), a tube (51), a bracket (52), a tube (53), a bracket (54), a tube (55), a bracket (56), a tube (57), a bracket (58), a tube (59), a bracket (60), a tube (61), a bracket (62), a tube (63), a bracket (64), a tube (65), a bracket (66), a tube (67), a bracket (68), a tube (69), a bracket (70), a tube (71), a bracket (72), a tube (73), a bracket (74), a tube (75), a bracket (76), a tube (77), a bracket (78), a tube (79), a bracket (80), a tube (81), a bracket (82), a tube (83), a bracket (84), a tube (85), a bracket (86), a tube (87), a bracket (88), a tube (89), a bracket (90), a tube (91), a bracket (92), a tube (93), a bracket (94), a tube (95), a bracket (96), a tube (97), a bracket (98), a tube (99), a bracket (100).

Parts Breakdown cont'd ...

Diagram Reference #	Item Number	Description	Qty. Req'd for Each Machine
1	SA-01	Lower Enclosure	1
2	SA-02	Vibrating Plate	1
3	SA-03	Upper Enclosure	1
4	SA-04	Brush Cap	2
5	SA-05	Motor Brush	2
6	SA-06	Electrical Control Protection Plate	1
7	SA-07	7/8" Fan Cap	2
8	SA-08	Bracket for Top Handle	2
9	SA-09	Lower Support Bracket for 9" Blade	1
10	SA-10	Motor Fan	1
11	SA-11	Upper Support Bracket for 9" Blade	1
12	SA-12	Upper Support Bracket for 6" Blade	1
13	SA-13	9" Blade	1
14	SA-14	5.5" Blade	1
16	SA-16	Counterweight	1
17	SA-17	Rear Handle	1
18	SA-18	Foam Grip for Rear Handle	1
19	SA-19	Foam Grip for Top Handle	1
20	SA-20	Nylon Roller	2
21	SA-21	1/4" Nylon Tube	2
22	SA-22	Axle Bolt for Nylon Rollers	1
23	SA-23	Top Handle Bar	1
24	SA-24	Support Washer	8
25	SA-25	Lower Rubber Bushing for Vibrating Plate	4
26	SA-26	Rubber Shock	4
27	SA-27	Upper Rubber Bushing for Vibrating Plate	4
28	SA-28	Hex M6 Set Screw	1
29	SA-29	M6 Cap Nut	4
30	SA-30	Knob for Attaching Handle Extension	1
31	SA-31	4" Parquet Blade	1
32	SA-32	M6 Nut for Axle Bolt	1
33	SA-33	Support Bracket for 4" Parquet Blade	1
34	SA-34	M6×18 Hex Bolts for Attaching Blade Supports	15
35	SA-35	Hexagonal Bolts for Bushings	4
36	SA-36	Steel Washer	8
37	SA-37	M4×20 Hex Bolts for Attaching Top Handle	4
38	SA-38	M6×25 Countersunk Bolt for Top Handle	2
39	SA-39	M6×12 Fastening Bolt for Vibrating Plate Enclosure	4
40	SA-40	M6×20 Bolts for Motor	4
41	SA-41	Rubber Cap for Motor	2
42	SA-42	10m×150 Hexagonal Bolt	1

Parts Breakdown cont'd ...

Diagram Reference #	Item Number	Description	Qty. Req'd for Each Machine
43	SA-43	Electric Motor 5800 RPM-110V	1
44	SA-44	Electric Relay	1
45	SA-45	1" Fan Cap	1
46	SA-46	Main Power Switch	1
47	SA-47	12" 3-pole Power Cord	1
48	SA-48	Vibrating Plate Counterweight	1
49	SA-49	Bearing	1
50	SA-50	Rubber Cup for Bearing	1
51	SA-51	Extension Handle Shaft & Bracket	1
52	SA-52	Strain Relief	2
53	SA-53	Foam Grip for Extension Handle	1
54	SA-54	Trigger	1
55	SA-55	Power Cord for Extension Handle	1
56	SA-56	Power Cord Strain Relief	1
57	SA-57	M6X32 Bolts for Plastic Handle	2
58	SA-58	M4X12 Screw	3
59	SA-59	Plastic Handle	2
60	SA-60	Main Motor Connector	1
61	SA-61	Threaded Inserts	5
62	SA-62	Aluminum Inserts	3
63	SA-63	M4×16 Bolt for Relay	1
64	SA-64	M4×12 Mounting Bolts for Electrical Relay Protection Plate	2
65	SA-65	Nut Driver	1
66	SA-66	M6×25 Bolts for Vibrating Plate Counterweight	2
67	SA-67	Steel Inserts	2
68	SA-68	Protector Caps for Brushes	2

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Information on Safety Decals

Below are the decals available for re-ordering to facilitate maintenance. All decals are available for replacement except that with the serial number of the unit for each number serves as an unique identifier for warranty and support purposes.

If you have any questions, please do not hesitate to contact your local authorized service centre for further assistance.



SAMURAI-LABEL01:
Qty Required = 1

NOT FOR USE WITH CERAMIC.

NE PAS UTILISER AVEC LA CÉRAMIQUE.

SAMURAI-LABEL02:
Qty Required = 1



DANGER
SHARP BLADES INSIDE
LAMES À L'INTÉRIEUR



SAMURAI-LABEL03:
Qty Required = 1

Caution

THIS HANDLE IS NOT A LEVER.
Do not use to force machine to move.

Allow machine to do the work by pushing forward **GENTLY**.



Avertissement

CE MANCHE N'EST PAS UN LEVIER
Ne pas forcer la machine à avancer.

Pousser **LÉGÈREMENT** sur le manche en laissant l'avancement naturel de la machine faire le travail.

SAMURAI-LABEL04:
Qty Required = 1

Contents List



Prior to setting up the SAMURAI Industrial Floor Stripper, check that the following items are enclosed:

Item	Quantity	Check if enclosed
SAMURAI Industrial Floor Stripper Unit	1	____ Yes ____ No
Extension Handle for SAMURAI	1	____ Yes ____ No
Bag of accessories for the SAMURAI, including nut driver, blades, bolts, and support mounts	1	____ Yes ____ No
SAMURAI Industrial Floor stripper Operator's Manual	1	____ Yes ____ No

If any of these items are missing, please contact your local authorized dealer at once.

DO NOT ATTEMPT ASSEMBLY OR OPERATION WITHOUT ANY OF THESE LISTED PARTS!

Pre-Operating Procedures

Before using the SAMURAI Industrial Floor stripper, please perform the following procedures for the personal and property safety of the operator and jobsite and for optimal performance.

1. Before operating the floor stripper **ensure** that it is **structurally** and **mechanically safe** by checking the following:
 - a. Perform a detailed visual inspection on the machine with particular attention to the following:
 - i. Are there any loose, worn or damaged parts? If so, DO NOT ATTEMPT TO OPERATE THE MACHINE. Make note of required parts, and contact your authorized service centre for replacement parts and further assistance to service the unit PRIOR to any further use.
 - ii. Is the machine, particularly the cutting blade and support mounts, clean and free of debris? Small debris and other foreign objects can jam machine and cause the unit to malfunction, leading to serious injury to the operator and property damage on the jobsite.
 - iii. Are the blades and support mounts balanced and securely attached to the floor stripper?
 - iv. Are there any cracks or damage on the machine? Contact your authorized service centre immediately for advice and corrective measures. DO NOT ATTEMPT TO OPERATE THE MACHINE until it is refurbished to factory standards.
 - b. Inspect the handles and power switch for the following:
 - i. Are both top and rear handles, as well as the power switch on the main unit properly and securely attached to the machine?
 - ii. On the extension handle, are all the sections and pieces secured to each other? Is the trigger switch working to factory standards? Consult your local health and safety organization for any pointers for jobsite and machine operation safety.



If any of the above checks fail, please take necessary steps to maintain or repair the unit before operating it in any environment.

Pre-Operating Procedures cont'd ...

2. Before operating the floor stripper, perform the following **environmental** checks:
 - a. Is the work area free and clear of damp areas, leaks, flammable substances, electrical hazards, or any other similar conditions?
 - b. Are there any standing pools of water or other conductive liquids and materials that can interfere with the safe operation of the machine at the jobsite?
 - c. Has the work area been cleared of debris such as rags, string, wire, rocks, metal and other materials? Such items could cause malfunction or damage to the floor stripper that could also be potentially hazardous to the machine and operator.
 - d. **Voltage Warning:** Before connecting the tool to a power source, verify that the voltage supplied is equal to 120V. A power source whose voltage is greater than that specified for the operation of the tool can cause serious injury to the operator, as well as damaging the machine. If in doubt, DO NOT CONNECT THE MACHINE TO THE UNKNOWN POWER SUPPLY.
 - e. Is there a reliable source of grounded electricity available? Use only GFCI receptacles.
 - f. If using an extension cord, is it in good condition and conforming to local safety codes? Extension cords must be a 3-pole cord with a 3-pole plug and socket, rated for outdoor use. Our recommendation is as follows:
 - A. Up to 100' ft. = 14 AWG
 - B. Up to 200' ft. = 12 AWG
 - C. Up to 300' ft. = 10 AWG
 - D. Up to 400' ft. = 8 AWG

Operating Procedures

- A. Installing the blades and support mounts for the SAMURAI
 1. Ensure that the floor stripper is completely turned off, cooled, and at a complete stop prior to adjusting or relocating the unit. Disconnect unit from power source.
 2. Select the appropriate blade and mount required. Both the 4" parquet flooring blade and the 5-3/8" multi-purpose blade (ideal for stairs) are used with different 3-hole top mounts. The 9" blade requires both the 5-hole top mount and the matching plate extender. See Figs. 1, 2, & 3 to ensure that the appropriate mounts are matched to the proper blade. Remove corresponding quantity of bolts for mounting.
 3. Place the unit, blade(s), support mount(s) and bolts on a clean and sturdy work bench. Due to the weight of the unit and the sharpness of the blades, NEVER perform any adjustments to the floor stripper without proper support. Failure to do so may lead to severe bodily harm, jobsite and machine damage.



Fig.1: Support mount and 5-3/8" multi-purpose blade



Fig.2: Support mount and 4" parquet blade



Fig.3: Support mount and 9" multi-purpose blade

Operation Procedures cont'd ...

A. Installing the blades and support mounts for the SAMURAI cont'd ...

4. Attaching the 5-3/8" blade:

- Place 3-hole top-mount, flat side down, on top of protruding lip of the vibrating plate.
- Insert 3 bolts through the top mount into the vibrating plate. Finger tighten to set.
- Slide the blade in between the top mount and vibrating plate. (Fig.4)
- Using the nut driver included with the SAMURAI, tighten down each bolt such that the blade is securely "sandwiched" in between the top mount and the vibrating plate. **DO NOT OVERTIGHTEN BOLTS.** (Fig.5)



**Blade is sharpened on BOTH sides.
Take care when handling.**



Fig.4: Inserting the blade in between the support mount and vibrating plate.



Fig.5: Tightening nuts with nut driver

5. Attaching the 4" blade:

- Align the 4" blade with the vibrating plate, then place 3-hole top-mount, flat side down, on top of protruding lip of the vibrating plate. Make sure that the holes of all three pieces are lined up. (Fig.6)
- Insert 3 bolts through both the top mount and blade into the vibrating plate.
- Using the nut driver included with the SAMURAI, tighten down each bolt such that the blade is securely "sandwiched" in between the top mount and the vibrating plate. **DO NOT OVERTIGHTEN BOLTS.** (Fig.7)



Fig.6: Align holes on support mount to blade.



Fig.7: Tightening nuts with nut driver

6. Attaching the 9" blade:

- Place plate extender, 5-hole top mount and 2 bolts as shown. (Fig.8)
- Insert one bolt through both the top mount and plate extender on either end as shown. (Fig.9)
- Finger tighten bolts just until both pieces are set together. Slip the protruding lip of the vibrating plate in between the top mount and plate extender. (Fig.10)
- Insert 3 bolts through the remaining holes in the top mount into the vibrating plate and tighten until support mount is attached to machine. (Fig.11)
- Slide the blade in between the top mount and vibrating plate. (Fig.12)
- Using the nut driver included with the SAMURAI, tighten down each bolt such that the blade is securely "sandwiched" in between the top mount and the vibrating plate. **DO NOT OVERTIGHTEN BOLTS.** (Fig.13)

Operating Procedures cont'd ...



**Blade is sharpened on BOTH sides.
Take care when handling.**



Fig.8: Ensure that all necessary pieces are available.



Fig.9: Fasten support mount to plate extension.



Fig.10: Fit extension assembly to vibrating plate.



Fig.11: Bolt extension to machine.



Fig.12: Slide blade in between support mount and extension plate.



Fig.13: Tightening nuts with nut driver

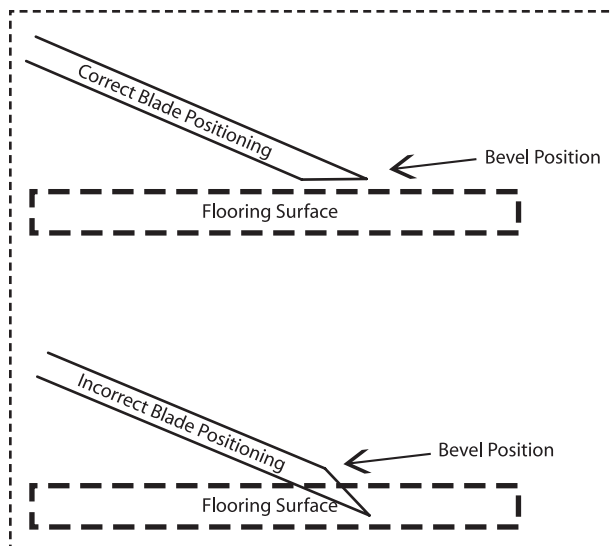


Fig.14: Verify that beveled edges on blades are facing the right direction.



When attaching any of the blades to the SAMURAI Floor Stripper, the beveled edge of the blade must be used as shown in Fig.14.

Operating Procedures cont'd ...

- B. General principles in using the SAMURAI floor stripper
The SAMURAI floor stripper is designed for use either as a standalone unit for small or difficult jobs, such as stairs, or with the handle extension for clearing large areas. The following instructions apply to both usages.



DO NOT USE THE SAMURAI AS A PRY BAR, NAIL REMOVER, OR ANY OTHER PURPOSES EXCEPT THOSE EXPLICITLY STATED IN THIS MANUAL. ANY UNAUTHORISED OR NON-RECOMMENDED USE CAN LEAD TO SEVERE BODILY HARM, JOBSITE & MACHINE DAMAGE.

1. Before connecting the unit to a grounded power source, flip ON/OFF switch (Fig.15) between both positions to ensure that switch works. Press and release trigger switch verify that it is in good working order.
2. Ensure that the floor stripper is completely turned off prior to adjusting or relocating the unit.
3. Verify that electrical power is supplied from a grounded and safe source, and that the source is of the same voltage to that specified on the machine.
4. If using an extension cord, connect it to the machine, then plug the other end into the grounded receptacle.
5. Position blade on the surface of the material to be removed.
6. Flip on ON/OFF switch to the ON position and tilt the machine forward, maintaining a steady and consistent angle. If using with handle extension, pull on trigger.
7. Proceed as fast as the machine will allow. **DO NOT FORCE MACHINE TO MOVE AT ANY OTHER RATE.** The nylon wheels at the bottom of the machine (Fig.16) are designed to allow the floor stripper to glide on floor surface. These wheels **MUST REMAIN IN CONTACT** with the floor at **ALL TIMES**. The floor stripper is operating at an incorrect angle if wheels are not touching the flooring surface. An incorrectly positioned floor stripper may lead to severe damage to the floor, operator and the machine itself.
8. Blade must be flush to the surface that it is scraping **AT ALL TIMES**. Uneven scraping results and possible damage to job surface can result otherwise. Depending on the width of blade used, the machine can remove material from 4" to 9" wide. Account for this working width as job proceeds.
9. If unit does not power on, check that the main power switch is switched ON, and that the unit is connected to a live, grounded receptacle



Fig.15: Location of main power switch



Fig.16: Location of nylon wheels

Operating Procedures cont'd ...

C. Using the SAMURAI on stairs and other difficult to maneuver areas

1. Verify that handle extension is disconnected and removed from main unit.
2. Place one hand on top handle to guide machine and other hand on side handle to gently push the unit along floor surface.
3. Tilt machine to proper operating angle as described above by simultaneously gently pushing down unit with guiding hand and lifting with pushing hand. (Fig.17).
4. Guide the machine in the direction required to strip the material.
5. Consult "General principles in using the SAMURAI floor stripper" as detailed above for detailed instructions in using the SAMURAI floor stripper.



Fig.17: How to use the SAMURAI

D. Using the SAMURAI with the handle extension

1. Disconnect the machine from any source of power, and wait until both the motor and blade have stopped moving and are cool to touch.
2. Place the unit upright on clear and safe work surface, such as a work bench or protected floor area.
3. Unscrew the back handle attachment knob and set aside. (Fig.18)
4. Hook the handle extension (Fig.19) as shown (Fig.20 & Fig.21) onto top handle.
5. Press down on the base of the handle with one hand and screw the back handle attachment knob back onto the handle as shown in Fig 22 to attach the extension to the floor stripper.
6. Connect the lower power cord of the handle extension to that of main unit as shown. (Fig.23)
7. Plug the power cord of the handle extension into a safe and grounded electrical source, directly or through an appropriate extension cord as required.
8. Flip the power switch on the main unit to the ON position as shown (Fig.24). Leave this switch in the ON position when using the floor stripper with the handle extension. The trigger switch on the handle extension will act as the ON/OFF switch for the machine in this formation.



Fig.18: Removing the back handle attachment knob



Fig.19: Handle extension.



Fig.20: Attaching the extension onto the SAMURAI.



Fig.21: Make sure that extension hooks on securely to top handle.



Fig.22: Re-attaching the back handle attachment knob to secure handle extension to unit.



Fig.23: Connecting the power cord to the handle extension to the main unit.



Fig.24: Turn main power switch ON.

Operating Procedures cont'd ...

- D. Using the SAMURAI with the handle extension cont'd ...
9. With a guiding hand on the handle extension's foam grip and the other hand on the handle to activate the trigger switch as needed, push machine along flooring surface to strip material as needed. (Fig.25). Due to the design of the machine, there should be NO downward pressure being applied by the operator at any time. (Fig.26). **DO NOT LEAN, PUSH DOWN, OR OTHERWISE TREAT THE UNIT AS A SUPPORTING MECHANISM.** Doing so may result in damage to the machine, jobsite, and severe bodily harm to the operator.



DO NOT APPLY ANY DOWNWARD PRESSURE TO HANDLE EXTENSION.
The floor stripper is designed neither to support the weight of the operator nor to be used to perform any function beyond those described in the "Pre-Operating Note".

10. Consult "General principles in using the SAMURAI floor stripper" as detailed as above for detailed instructions in using the SAMURAI floor stripper.

Fig.25: Proper use of the SAMURAI with handle extension.



Fig.26: Improper use of handle extension.

Storing the SAMURAI

1. Ensure that the area in which the machine will be stored is well-ventilated and free of any potential fire hazards such as open flames, gas appliances, furnaces, water heaters, and other appliances.
2. Clean and lubricate machine prior to storage.
3. Remove blades and support mounts and store away with nut driver.
4. Touch-up any scratches or damaged areas.
5. Order and re-apply any safety labels. Refer to "Information on Safety Decals" in "Parts Breakdown Section" of the manual for placement and parts numbers.
6. Store the machine in a covered or indoor storage area at temperatures above freezing for increased protection and longevity.

Maintenance Procedures

The following are general guidelines for servicing common wear components on the SAMURAI Floor stripper. **ALL MAINTENANCE AND SERVICE WORK MUST BE PERFORMED BY A TRAINED AND EXPERIENCED TECHNICIAN.** Ensure that the work area is clean and free of debris prior to starting any maintenance or service work. Small particles may become trapped in key components that may lead to serious damage to the machine and cause severe bodily harm to the operator or technician.



All service should be performed by trained technicians.

Before performing any service and maintenance procedures, consult these general safety procedures for a safe working environment.

1. Make sure that the motor is cool prior to any service or maintenance work.
2. Verify that work area is clean and free of any debris, tripping or fire hazards, and other potential sources of danger.
3. Always wear proper safety clothing and equipment for the job. These can and should include eye and ear protection, protective helmets, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements
4. Ensure that the technician has tied back or remove any loose hair, clothing and any other potential hazards and obstructions

The SAMURAI is designed to be a low-maintenance unit. Provided that the unit has not been subjected to abuse or misuse, there are very few service items required. By following the Inspection Schedule below, **BEFORE** and **AFTER** each use of the floor stripper, appropriate actions can be taken to extend the service life of the machine and reduce any costly repairs and unnecessary downtime for the unit.



Technician should read and thoroughly understand all manuals pertaining to the machine to be serviced. Do NOT proceed with any service and maintenance activity until ALL questions and concerns have been addressed. Please call your local authorized dealer for technical support and advice.



ALWAYS consult and verify that all local codes and bylaws are followed before performing any service or maintenance procedures.



Use SAMURAI brand-name parts for compatibility and optimum performance.

Use of any other parts prior to consulting with your authorized centre will void all warranties expressed herein.

Maintenanace Procedures cont'd ...

A. Inspection Schedule

The following list aims offer some basic guidelines to performing a detailed inspection BEFORE and AFTER each use. Certain checks will require some disassembly to perform. Depending on various environmental conditions and frequency of use, other inspection points may have to be added for each machine.

Item	Yes	No
Are all nuts and bolts complete and tightened?		
Are the blades in good condition with no rusting, dents or nicks? Replace if necessary.		
Are the brushes for the electrical motor showing excessive wear (such that there are very deep grooves on the surface)? Replace if necessary.		
Are all bushings, washers, bearings and protective caps in good condition? Replace immediately if worn as these parts will affect the performance of the unit.		
Are the nylon wheels in good condition without any signs of uneven wear? Replace if necessary.		
Are each of the hexagonal bolts of even length? Replace if necessary.		
Are the safety warning labels and other decals clearly identifiable and legible? If not, ensure that fresh decals will be re-applied prior to use for operator safety.		

B. General Service Procedures

1.Changing the bushings for the SAMURAI Floor Stripper

The bushings and bolts that frame and support the vibrating plate are crucial to the performance of the SAMURAI Floor Stripper. These parts are also the most common wear and tear parts, due to the vibrating plate design. In order to inspect and change these parts, the machine must be taken apart in an organized manner.

Before proceeding with any of the following service procedures, please make sure that you have the following items:

1. Small bottle of liquid soap for lubrication
2. Nut driver included with the SAMURAI Floor Stripper
3. Small bottle of Loctite Blue or other brand of liquid threadlocker
4. Clean, sturdy work area

A. Disassembling the SAMURAI Floor Stripper

1. Using the nut driver included with your SAMURAI, remove the 6 side bolts from the bottom enclosure. (Fig.27)
2. Set aside side bolts and remove bottom enclosure. (Fig.28). The vibrating plate is now accessible.
3. Remove and inspect cap nuts, metal washers and rubber bushings from the top enclosure. Replace as needed. (Fig.29)



Fig.27: Removing the bottom enclosure.



Fig.28: Vibrating plate as shown.



Fig.29: Remove cap nuts and other hardware.

Maintenance Procedures cont'd ...

B. General Service Procedures cont'd ...

1.Changing the bushings for the SAMURAI Floor Stripper cont'd ...

A. Disassembling the SAMURAI Floor Stripper ...

4. Turn the SAMURAI upside down, taking care to support the unit as shown in Fig.30. Remove the 4 bolts from the vibrating plate, and set aside bolts and washers aside. **NOTE:** There are rubber washers set inside each of the 4 bolt holes on both sides of the vibrating plate as well as those threaded on the bolt. **ALL RUBBER WASHERS MUST BE REMOVED FOR INSPECTION.**



If any rubber bushings are too tightly bound to the bolts, apply a small dab of liquid soap in between the bushing and the bolt for lubrication.

5. Check each bolt, bushing and washer to ensure that they are in good condition, showing even wear. If not, set aside and take note to order replacements.
6. Remove the vibrating plate from the machine. (Fig.31).
7. Inspect any of the rubber bushings as shown for wear and alignment. Replace if necessary or if bushings show signs of uneven wear. If uneven wear is evident, verify that ALL components are properly aligned and the operator has not been forcing the machine to perform outside of its designed specifications.

Fig.30: Safely support the SAMURAI when in inverted position.



Fig.31: Removing the vibrating plate.

B. Changing the bearing SA-49 and rubber bearing cup SA-50

1. Remove and inspect rubber cup (Fig.32)
2. Remove and inspect bearing, taking care to not damage the counterweight below. (Fig.33)
3. Replace rubber cap and bearing as needed.



Fig.32: Remove rubber protection cup.



Fig.33: Location of counterweight.

Maintenance Procedures cont'd ...

B. General Service Procedures cont'd ...

1. Changing the bushings for the SAMURAI Floor Stripper cont'd ...

C. Replacing all the bushings, washers and bolts

1. Remove and inspect inner bushings set in the 4 bolt holes inside the top enclosure. Discard and replace with new bushings as needed.
2. Replace inner bushings in each of the 4 bolt holes on both sides of the vibrating plate.
3. Turn vibrating plate over, bottom side up. Stack 1 rubber bushing, followed by 1 metal washer over each of the 4 bolt holes. (Fig.34)
4. Insert bolt through each hole as shown. (Fig.35).
5. Turn vibrating plate over, top side up. (Fig.36) Slide large rubber bushings over each bolt as shown. (Fig.37)
6. Align bolts to holes on top enclosure as shown and re-attach vibrating plate to the main unit. (Fig.38)
7. Turn unit right side up. (Fig.39)
8. Replace rubber bushings, metal washers (Fig.40) and cap nuts over each bolt. Check that all 4 bolts are of even length. Use cap nuts to finely adjust length as needed. **NEVER REPLACE CAP NUTS WITH STANDARD NUTS.**
9. Apply Loctite to cap nuts as needed. Tighten each nut as shown. (Fig.41)
10. Replace bottom enclosure plate and bolt to machine.

Fig.34:
Replace
washers and
bushings



Fig.35:
Insert bolts
through
vibrating
plate.



Fig.36: Vibrating
plate, right side up.



Fig.37: Slide large rubber
bushings as shown.



Fig.38: Align bolts on vibrating
plate to holes on top enclosure.



Fig.39: Main unit with vibrating plate.



Fig.40: Replacing washers and
bushing to top enclosure.



Fig.41: Tighten nut caps.

Maintenance Procedures cont'd ...

B. General Service Procedures cont'd ...

2. Changing Motor Brushes

1. Remove and inspect protector covers for motor brushes from either side of motor. (Fig.42)
2. Unscrew brush caps. **Note:** Brush caps are made of a soft material. Take care when removing to not damage any part. Reorder caps if damaged before proceeding further. (Fig.43)
3. Remove brush and replace.
4. Replace brush caps and protector caps, taking care not to damage any parts.

Fig.42: Remove and inspect protector covers.



Fig.43: Carefully remove brush caps.



3. Changing Nylon Wheels

1. Remove and inspect axle bolt for nylon wheels. (Fig.44)
2. Replace worn wheels, taking care to insert wheels in order as shown. (Fig.45)
3. Replace nut, tighten until bolt is secure. **DO NOT OVER TIGHTEN. WHEELS MUST SPIN FREELY.**



Fig.44: Remove and inspect axle bolt.



Fig.45: Order of nylon wheels for re-installation.

Technical Support Hotline

c/o Technical Service
Uniquip Canada Inc.
SAMURAI North American Authorized Dealer
www.uniquip.ca

English Service
T : 1-888-332-4012
F : 1-866-567-0956

French Service
T : 1-800-332-4012
F : 1-866-825-2221

Notes

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Notes

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