

OPERATOR'S MANUAL

Safety, Operation & Service Information

RIP-R-STRIPPER® Floor Covering Stripper

Model: FCS16GEN3

Form: GOM19091901EU, Version 1.0, Original Instructions

- Do not discard this manual.
- Keep manual readily available for reference during operation or when servicing product.
- Before operation, read and comprehend operator manual content.
- Customer Service: 001 507 451 5510
- Customer Service Telefax: 001 507 451 5511

Note: There is no charge for Customer Service.

- Internet Address: http://www.generalequip.com
- Email: general@generalequip.com
- Mailing Address:

General Equipment Company, 620 Alexander Dr. S.W., P.O. Box 334, Owatonna, MN 55060, USA

EUROPEAN REPERESENTATIVE

- Customer Service: (+31) 5 23 63 82 86
- Internet Address: http://www.eurogate-international.com
- Email: info@eurogate-international.com
- Mailing Address: Eurogate International, Galilieistraat 6, 7701 SK Dedemsvaart, The Netherlands

Product covered by this manual complies with mandatory requirements of 2006/42/EC.

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1 INTRODUCTION

Congratulations on your decision to purchase a General Equipment light construction product. From our humble beginnings in 1955, it has been a continuing objective of General Equipment Company to manufacture equipment that delivers uncompromising value, service life and investment return. Because of this continuous commitment for excellence, many products bearing the General name actually set the standard by which competitive products are judged.

When you purchased this product, you also gained access to a team of dedicated, knowledgeable, support personnel that stand willing and ready to provide field support assistance. Our team of sales representatives and inhouse factory personnel are available to ensure each General product delivers the intended performance and product safety you expect. Our personnel can readily answer your questions or concerns regarding proper applications, service requirements and warranty related problems.

The RIP-R-STRIPPER is intended for use in removing VCT and linoleum tiles, soft sheet materials (PVC, rubber, linoleum, etc.), glued carpet, adhesives, mastics and material residues from dry wood and cement surfaces in a nonexplosive atmosphere. It is not intended to remove ceramic tile. The machine is operated by one adult of proper operator experience/skill/common sense, height, weight, strength and physical condition.

If you have any questions or concerns about this product, please feel free to contact our European Representative or Customer Service Department during normal business hours using the contact information located on the front cover of this manual. There is no charge for this service.

Sincerely. The General Equipment Team

2 SAFETY SYMBOLS

The following safety alert symbols identify important safety messages in this manual. When you see these symbols, be alert to the possibility of personal injury and carefully read the message that follows.

SAFETY SYMBOLS & MEANINGS

Symbol	Meaning	Symbol	Meaning
0	Action Required	X	No Trash Containers
(3)	Read Manual	<u> </u>	General Warning

	Wear Ear Protection		Warning, Flammable
	Wear Eye Protection		Material Warning, Explosive Material
	Wear Protective Gloves		Warning, Toxic Material
	Wear Safety Shoes	A	Warning, Electricity
9	Wear Breathing Protection		Warning, Body Entrapment
	Disconnect From Power	6,5	Warning, Sharp Element
	No Open Flame	<u>*</u>	Warning, Floor Level Obstacle
&	No Smoking	A	Warning, Drop Off
	No Active Mobile Phone		Warning, Slippery Surface
	No Food Or Drink		

OPERATIONAL DISCLAIMER

The manufacturer of this RIP-R-STRIPPER makes no warranty or guarantee it is merchantable and/or suitable for a specific job application and that it will have the capability and power required to remove any specific floor covering from any specific work surface.

3 SAFETY INSTRUCTIONS



- These safety instructions provide guidelines to promote safety and efficiency with the RIP-R-STRIPPER.
- No warranty, guarantee or representation is made by manufacturer as to absolute correctness or sufficiency of any information or statement.
- Safety instructions are intended to deal with common practices and conditions encountered in use of RIP-R-STRIPPER and are not intended to be all inclusive.
- Not following instructions in this manual can result in property damage, personal injury and/or death.

BEFORE OPERATING













- Visually inspect RIP-R-STRIPPER per MAINTENANCE INSTRUCTIONS 2. STEPS 5 through 10 of this manual.
- Determine RIP-R-STRIPPER is in original, factory configuration and has not been modified in any manner. If questions arise about possible modifications, contact the European Representative or Customer Service Department BEFORE utilization. There is no charge for this service.
- Always start and stop RIP-R-STRIPPER according to instructions to minimize possibility of unexpected or uncontrolled blade/accessory movement. Know how to stop unit in an emergency.

Physical Exertion/Body Strain

Operating RIP-R-STRIPPER requires proper physical stamina, mental alertness and is strenuous. Take work breaks to maintain stamina and alertness. If you have condition(s) that might be aggravated by strenuous work, check with doctor BEFORE operating.

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Vibration

Prolonged use of RIP-R-STRIPPER (or other, similar machines) exposes operator to vibrations which may produce Whitefinger Disease (Raynaud's Phenomenon). Continuous and regular users should closely monitor condition of hands and fingers. After each period of use, exercise to restore normal blood circulation. If any symptoms appear, seek medical advice immediately.

Noise

RIP-R-STRIPPER and actual floor covering removal process creates exposure to high noise emission levels that can result in hearing loss or damage. Hearing protection is required while operating or when near operating equipment. Continuous and regular operators should have their hearing checked regularly.

Clothing

Clothing must be sturdy, snug fitting, but allow complete freedom of movement. Never wear loose fitting jackets, scarves, neckties, jewelry, flared or cuffed pants or anything that could become caught on controls or moving parts. Properly secure eyeglasses, hearing aid devices and other medical related devices. Wear long pants to protect legs. Protect hands and improve grip with heavy duty, nonslip gloves. Wear and properly lace sturdy boots with nonslip soles. Steel-toed safety shoes are mandatory. Wear approved safety hard hat where there is danger of head injuries and/or approved breathing mask where danger of airborne foreign particulate contamination is present.

Flying Debris

Floor covering removal process can result in flying debris. Eye protection and appropriate safety apparel is required when near or operating RIP-R-STRIPPER. DO NOT operate unit with onlookers or animals close by.

Back Care & Proper Lifting Procedures

Operators will be required to lift RIP-R-STRIPPER as demanded by specific job applications. When lifting, three or more people are required. Maximum lifting weight per person is 23 Kg (50.7 lbs) per NIOSH standards. Utilize proper lifting techniques to minimize fatigue and back-related injuries.

TRANSPORTATION



- When transporting RIP-R-STRIPPER, remove extension cord and store. Remove accessory blade from machine and store per INSTALLING & REMOVING ACCESSORY BLADES in MACHINE SET-UP section of this manual when in following operating conditions:
 - a) To and from jobsite.
 - b) Longer distances while being repositioned on jobsite.
 - c) Traversing up and down stairways.
 - d) Performing maintenance and/or repairs.
 - e) Lifting/lowering from transportation vehicle.
- To use personnel to lift/lower machine, use handles as shown and/or side handles near rear of unit. FIGURE 1



FIGURE 1

To use mechanical device to lift/lower machine, attach chain and suitable attachment device to lifting bail area behind electric motor. FIGURE 2



FIGURE 2

NOTE: This location may not always be the exact center of gravity for the machine. DO NOT use lift device until device limitations and operation are understood by all applicable personnel.

- To reduce storage area and minimize damage, transport RIP-R-STRIPPER in normal upright position with operator handle folded relative to main frame. Refer to MACHINE SET-UP section of this manual.
 - DO NOT allow operator handle and main frame to make direct contact with each other while transporting. Provide proper protection between RIP-R-STRIPPER components and vehicle.
 - DO NOT drop unit directly against exciter plate. Provide support block under main frame to prevent direct contact and/or damage to exciter plate and related components.
- All equipment must be secured in/on vehicles with suitable strapping or tie downs.

DETERMINATION OF POTENTIAL SUBSURFACE HAZARDS IN PROPOSED FLOORING REMOVAL LOCATION(S)



RIP-R-STRIPPER operator handle grips are constructed of non-metallic composite material and do not guarantee operators will be properly insulated from contact with charged electrical cables. RIP-R-STRIPPER and related accessories are not classified as insulated.

BEFORE attempting to remove any floor covering materials, identify/mark all potential subsurface hazards in proposed flooring removal location(s). Many utilities/other agencies will perform these tasks at minimal or no cost. Subsurface hazards may include, but may not be limited to the following:

- 1. Buried debris, rotted timbers or wood planking.
- 2. Buried pressurized pipelines (e.g. natural gas, propane, etc.)
- Buried electrical cables.

DETERMINATION OF POTENTIAL ABOVE SURFACE HAZARDS IN PROPOSED FLOORING REMOVAL LOCATION(S)



Normal RIP-R-STRIPPER use is on level surfaces. Avoid other surface conditions which can be dangerous. Special care must be exercised on slippery, and/or difficult/uneven surfaces. Watch for cracks, high spots/other surface irregularities or drop offs to lower floor levels. Remove any trip/fall hazard BEFORE operating RIP-R-STRIPPER. Keep proper footing and balance at all times.

OPERATIONAL HAZARDS



RIP-R-STRIPPER is designed to substantially enhance machine control
and reduce operator fatigue provided accessory tool does not directly
contact larger, protruding obstructions (anchor bolts, pipes, nail heads,
columns, openings, large cracks, utility outlets, material variances, etc., or
any objects protruding from work surface). Such contact can result in
rapid and jerky movement of machine and/or loss of machine control.

2

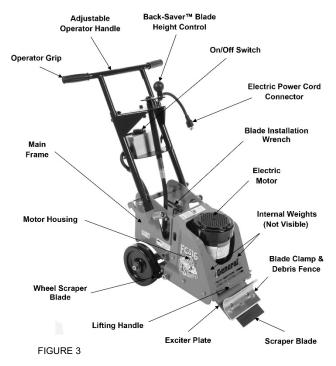


- The floor covering material removal process can produce sparks, dusts and other foreign particle contamination that can result in fire and/or explosion depending on existing jobsite conditions.
- Many covering materials, adhesives or mastics can contain asbestos and other chemicals that are known to cause physical harm and/or affect the environment
- Excessive water, and/or other conductive materials on work surface can result in electrocution of operator and/or other personnel.

Preventive Measures:

- Operator must maintain physical and mental alertness. Be prepared for unexpected blade contact with protruding anchor bolts, etc. and be capable to sense level of machine control they have.
- DO NOT operate RIP-R-STRIPPER on jobsite where kickback forces can allow body parts to come in direct contact with vertical wall, foundation or other support type structures. Maintain a safe and reasonable distance from these structures.
- Maintain proper operating stance for better control of machine plus, reducing operator error and fatigue. Refer to PROPER OPERATOR STANCE in OPERATING INSTRUCTIONS section of this manual for more information.
- Remove water and/or conductive materials by industry-approved and/or accepted practice BEFORE removing floor covering. Determine RIP-R-STRIPPER is properly grounded and extension cords are free of cuts, abrasions and/or exposed cable strands.
- Dust and other particle contamination can be controlled by use of appropriate industrial-type dust collection system to remove/control dust and other particle contamination from work surface.

4 MACHINE SPECIFICATIONS



FRAME STRUCTURE	Unitized, welded steel plate.
DRIVE SYSTEM	Random orbit, direct shaft mount.
NUMBER	
ELASTOMERIC	
RUBBER MOUNTS	4
NUMBER BLADE	
OSCILLATIONS	1725 per minute
WIDTH	368 mm (14-1/2 inches)
OPERATOR HANDLE	
WIDTH	584 mm (23 inches)
TRANSPORT LENGTH	610 mm (24 inches)
OPERATING LENGTH	864 mm (34 inches)

TRANSPORT HEIGHT	584 mm (23 inches)
OPERATING HEIGHT	1067 mm (42 inches) maximum handle
	extension.
WEIGHT	68.0 Kg (149 lbs), less blade and extension
	cord.
ELECTRIC MOTOR	559.2W (0.75 HP), 1725RPM, 5.5 full loaded amperes @ 220 VAC, 50 HZ, thermally
	protected. Motor requires clean (no other
	electric products on same circuit) 10 ampere
	capacity circuit to properly function.
EXTENSION CORDS	Minimum rating for non-manufacturer supplied extension cords, HO5VVF (3 x 1.5 mm²) up to
	a maximum cord length of 25 m.
OPERATING	Non-hazardous type locations.
ENVIRONMENTS	
REQUIRED NUMBER	
OF OPERATORS	1

NOISE & VIBRATION EMISSIONS

Description	North America	Europe
Model	FCS16	
Noise Level	73 db	
Vibration Level	n Level 13 m/s²	

RIP-R-STRIPPER POWER SOURCE

The RIP-R-STRIPPER is designed to operate from a clean, 10 ampere, 220 VAC, 50 Hz, nominal power source. Clean power refers to amperage available from individual electrical circuit selected.

Additional electrical products already using same circuit will reduce available amperage resulting in starting/operational difficulties. Check proper voltage and amperage levels in addition to power source being properly grounded.

Proper voltage and amperage to electric motor is essential for maximum productivity and service life. Low voltage and amperage will cause motor to overheat and can cause unrepairable damage to motor and related controls. An improperly grounded circuit increases risk of electric shock. A qualified electrician may need to be consulted.

NOTE: Motor is equipped with automatic thermal protection, stopping motor before major internal damage occurs. If this situation occurs and motor has properly cooled, motor reset switch must be manually activated to restart. FIGURE 4



FIGURE 4

5 STANDARD PRODUCT & ACCESSORIES

Refer to FIGURE 3 for overview description of standard components included in machine. Included in shipment for FSC16 RIP-R-STRIPPER should be the following:

- 1 each, Model FCS16 RIP-R-STRIPPER
- 1 each, Adjustable section of operator handle
- 1 each, 102 mm wide straight blade, part # FCS16-1100
- 1 each, 254 mm wide straight blade, part # FCS16-1300
- 1 each. Final inspection form



ACCESSORIES

NOTE: All blades are for use in general purpose projects on both wood and cement surfaces unless otherwise designated.

	Part #	Description	Weight (in Kg)
	FCS16-1050	Blade, scoring, 102 mm x 152 mm, single bevel edged. For cement surfaces ONLY.	0,2
	FCS16-1100	Blade, straight, 102 mm x 152 mm, single bevel edged.	0,2
	FCS16-1200	Blade, angled, 152 mm wide, single beveled edge. For cement surfaces ONLY.	0,9
	FCS16-1300	Blade, straight, 76 mm x 254 mm wide, single beveled edge.	0,2
	FCS16-1500	Blade, scoring, 203 mm wide, beveled edge FACING UP. For removing glued carpet, and sheet type linoleum, rubber, PVC, etc., from cement surfaces ONLY.	0,2
AND SECTION ASSESSMENT OF THE PERSON ASSESSMEN	FCS16-1600	Blade, scoring, 203 mm wide, beveled edge FACING DOWN. For removing glued carpet, and sheet type linoleum, rubber, PVC, etc., from WOOD surfaces ONLY.	0,2

6 MACHINE SET-UP



Open shipping carton immediately upon receipt. Remove RIP-R-STRIPPER from carton. Visually inspect contents for freight damage and/or missing parts. If shipping damage is evident, contact delivering carrier immediately to arrange for an inspection of damage by their claims representative. DO NOT DESTROY OR DISCARD SHIPPING CARTON UNTIL INSTRUCTED BY AUTHORIZED REPRESENTATIVE OF CARRIER OR FACTORY. If missing parts are detected, notify your dealer who will assist you in obtaining them.

NOTE: If ordered with RIP-R-STRIPPER, optional blades and accessories can be shipped separately or included in shipping carton.

NOTE: RIP-R-STRIPPER is shipped from factory with operator handle assembly uninstalled to main frame. All lubrication fittings are lubricated at factory and will not require further servicing until first scheduled maintenance.

INSTALLING ADJUSTABLE OPERATOR HANDLE

Installation of adjustable portion of operator handle will require a level work surface of appropriate size and height.

 Unfold lower portion of operator handle and secure in position by tightening both retaining knobs to prevent unexpected handle movement... FIGURES 5 & 6



FIGURE 5



FIGURE 6

- Remove threaded handle knobs from lower, fixed portion of operator handle in STEP 1. Refer to FIGURE 7.
- Install adjustable portion of operator handles into fixed portion with adjustment slots pointing back toward operator to prevent inadvertent separation from fixed handle portion. Check handles slide freely once installed. FIGURE 7
- Reinstall threaded knobs, adjust handles to desired height then finger tighten knobs to secure handles firmly in place. FIGURE 7



FIGURE 7

- To readjust handle height, loosen threaded knobs approximately 13 mm (1/2 inch), adjust handle to desired height then finger tighten knobs to secure handles firmly in place.
- 6. Inspect all fasteners for looseness. Tighten as necessary.
- Determine all components of RIP-R-STRIPPER allow for proper function as stated in this operator manual.



INSTALLING & REMOVING ACCESSORY BLADES



Tools Required:

1 each, 4 mm (5/32 inch) T-handled Allen wrench provided with machine.

Parts Required:

1 each, blade appropriate for job application.

- Turn RIP-R-STRIPPER ON/OFF power switch to OFF position.
 Disconnect extension cord of RIP-R-STRIPPER from power source.
 Disconnect extension cord from switch box of RIP-R-STRIPPER.
- Unfold operator handles from storage position and lock in place to main frame with retaining knobs. Refer to FIGURE 6.
- Loosen knobs, fully extend adjustable portion of operator handles and retighten knobs to firmly lock in place. Refer to FIGURE 7.
- 4. Tilt RIP-R-STRIPPER back until operator handles contact floor. Apply appropriate weight to handle and chock wheels to stabilize to prevent unexpected movement and/or falling of machine. Other methods can be used to appropriately support/stabilize machine. FIGURE 8



FIGURE 8

- If existing blade is present in machine, reinstall protective edge covering (if originally supplied with blade) to prevent injury and protect blade edge.
- Using T-handle wrench, loosen cap screws securing blade clamp. DO NOT fully remove screws or blade clamp.
- Remove existing blade and properly store. If installing new blade proceed to STEP 8 below. If no blade is to be reinstalled, proceed to STEP 9 below.
- Slide new accessory blade between blade clamp and exciter plate until blade contacts the two blade stop buttons. If present, DO NOT remove protective blade edge covering if machine is not used immediately.

NOTE: Accessory blades 152.4 mm (6 inches) wide or less are centered between cap screws. Blades wider than 152.4 mm (6 inches) provide slots that locate/slide around cap screw shanks located toward left/right sides of unit. All newer blades have a center slot for locating around cap screw shank. Older version blades do not.

NOTE: Blades are provided with a protective finish. When not in use, protect and store blades appropriately to prevent rust damage.

 Tighten cap screws using only the T-handle wrench provided/stored on machine. DO NOT use any other tool or apply impact force to screws.
 Wrench is designed to keep body parts a safe distance from blade edge and provide proper seating when tightening screws. FIGURE 9



FIGURE 9

NOTE: DO NOT substitute different fastener for factory supplied cap screw to prevent operational problems during flooring removal.

- Store T-handled blade wrench in storage location provided on machine.
 Remove any additional adjusting/tightening wrenches BEFORE operating RIP-R-STRIPPER.
- 11. If RIP-R-STRIPPER is to be placed back into service immediately lower machine so blade rests on floor then reverse procedure in Step 1 under INSTALLING & REMOVING ACCESSORY BLADES. If not being placed back into immediate service, refer to STORAGE INSTRUCTIONS section of this manual

7 APPLICATION THEORY & TECHNIQUES



The RIP-R-STRIPPER operates on principle of accessory blades attached to an exciter plate oscillating with random orbital action to remove a variety of floor covering materials from work surfaces. Accessory blades used will affect type of materials to be removed, material removal rate(s) and resulting smoothness of work surface.

Floor covering removal process is directly controlled by:

- 1. Blade type, cutting edge bevel direction, angle and sharpness.
- Sufficient machine weight and/or down force as provided by operator to accessory blade to effectively penetrate and remove floor covering material
- Adequate force exerted against RIP-R-STRIPPER by operator to push accessory blade against floor covering material to deliver acceptable productivity rates.
- Type, density, thickness and adhesion of adhesives, mastics, thinsets and type of floor covering material.
- 5. No two floor covering materials are exactly alike, no two floor covering materials can be removed by exact same method and overall operator feed rates vary. The floor covering removal process, along with operator experience, skill and common sense, suggests flooring removal is a matter of trial and error and directly determines overall success of the job application.

ACCESSORY BLADE TYPES & APPLICATIONS

RIP-R-STRIPPER blades are fabricated from high carbon steel, precision machined and marked for use on either cement or wood surfaces. Blade cutting edge bevel direction is important for floor removal performance and preventing damage to flooring substrates.



NOTE: On cement surfaces, blade beveled cutting edge is positioned facing up. FIGURE 10

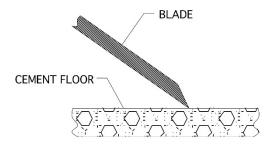


FIGURE 10

NOTE: On wood surfaces, blade beveled cutting edge is positioned facing down allowing blade to skim over versus gouging or digging into surface. FIGURE 11

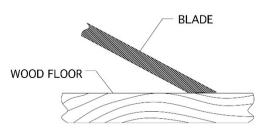


FIGURE 11

Individual accessory blade design will vary, but basic operational characteristics are identical: orbital oscillation against floor surface and remove floor covering material. This common operational characteristic through extensive testing has led to use of the following popular configurations:

Angled Mastic Removal Blade

Blade removes a wide variety of adhesives, mastics and material residues from cement surfaces only. Beveled cutting edge faces down. Refer to FIGURE 11. Use on wood surfaces will damage substrate material. The steeper blade angle increases penetration to shear and scrape materials from surface. FIGURE 12



FIGURE 12

Straight Beveled Cutting Edge Blade

Blade removes a wide variety of VCT and linoleum tiles along with general material removal from concrete and wood surfaces. Beveled edge faces up for cement surfaces. Beveled edge faces down for wood surfaces. Specific blades are available for removing floor covering materials from either cement or wood surfaces. FIGURE 13



FIGURE 13

Straight Beveled Scoring Blades

Blade removes glued type carpet and soft sheet type (PVC, rubber, linoleum, etc.) materials from cement and wood surfaces. Cutting wings score floor covering material to aid removal. Specific part numbers are available for removing covering materials from either cement or wood surfaces. Always mounted with cutting wings pointing up to prevent damage to work surface. FIGURE 14



FIGURE 14

FLOOR COVERING REMOVAL TECHNIQUES

The combination of factors makes it impossible to develop standardized RIP-R-STRIPPER removal techniques and will require trial and error until satisfactory results are achieved. Experience gained over time, along with common sense, will help minimize the amount of necessary testing.

- Specific type and/or density of adhesives, mastics and thinset materials
 that bond floor coverings to work surface plus variety of floor covering
 materials and jobsite conditions can affect removal rates. Many factors
 directly affect operating parameters and/or techniques utilized for special
 job applications.
 - Many adhesives/mastics remain flexible in fully cured state and are usually darker or black in color.
 - Adhesives/mastics that become dried and non-flexible when fully cured are usually yellowish/opaque in color and require less effort to remove than darker types.
- Adhesive/mastic densities or thicknesses vary due to work surface application rates directly affecting bond strength. Due to these variations, accessory blade angle may need to be adjusted to optimize removal rates. As general rule the following is true:
 - Thinner adhesives (i.e.-amount used), require a lower accessory blade angle relative to work surface.
 - Thicker adhesives (i.e.-amount used), require a higher accessory blade angle relative to work surface.
- In general, for thinner adhesives (i.e.-amount used), lower shear force is required to remove and increases floor covering removal rates. The accepted procedure is to decrease effective blade width plus determine optimal blade angle relative to work surface.

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- 4. In general, for thicker adhesives (i.e.-amount used), higher shear force is required to remove and decreases floor covering removal rates. The accepted procedure is to increase effective blade width plus determine optimal blade angle relative to work surface.
- 5. Higher material removal rates can sometimes be achieved by making passes 90 degrees to each other forming a waffle-like pattern. Technique is especially useful when removing deeper accumulations of rubber-like materials, material residues and dirt/debris from industrial floors.

8 OPERATING INSTRUCTIONS



RIP-R-STRIPPER SET-UP ON JOBSITE

- 1. Position RIP-R-STRIPPER on a suitable work surface.
- Determine RIP-R-STRIPPER ON/OFF switch is in OFF position and is not connected to power source.
- Raise operator handles to work position per INSTALLING ADJUSTABLE OPERATOR HANDLES in MACHINE SET-UP section of this manual.
- Install accessory blade per procedures in INSTALLING & REMOVING ACCESSORY BLADES in MACHINE SET-UP section of this manual.
- Adjust adjustable portion of operator handle height near waist level.
 Loosen threaded knobs 13 mm (1/2 inch), slide handles to desired height then finger tighten knobs to secure handles in place.
- Connect extension cord to main power cord of RIP-R-STRIPPER. FIGURE 15



FIGURE 15

NOTE: If additional extension cord is required, connect additional extension cord to remaining end of first extension cord.

NOTE: Inspect each extension cord BEFORE use. DO NOT use cord with worn or cut outer jacket, repaired with electrical tape and/or improper functioning twist-lock connection device.

- 7. Connect extension cord to power source.
- Position end of accessory blade on work surface with blade edge facing away from operator.

PROPER OPERATOR STANCE (FIGURE 16):

- 9. Adjust adjustable portion of operator handle height near waist level.
- Grasp handle grips firmly. Always hold operator handle firmly with both hands. Wrap fingers and thumbs around handle grips. Wear gloves to improve grip.
- 11. Attempt to keep wrists and forearms inline to operator handles as much as feasible. Proper wrist position during removal process can minimize and/or reduce stress and strain related damage potential to this body area, plus, operator control can be enhanced and fatigue reduced.

- 12. Keep upper body as vertical as possible.
- Keep feet comfortable distance apart for stability shoulder width, one foot in front of the other.
- 14. Operator must always stand behind machine when in use.



FIGURE 16

NOTE: Using improper operator stance (FIGURE 17):

- Reduces operator control and balance.
- b) Increases operator fatigue
- c) Increases risk of property damage and/or personal injury.



FIGURE 17

NOTE: Proper and improper operator stances depicted in this operator manual are not all inclusive.

15. Grasp handle grip firmly in one hand and apply down force on handle to reduce load on blade while still in contact with work surface. Turn RIP-R-STRIPPER ON/OFF switch mounted midway up operator handles to ON position with other hand. Exciter plate begins movement when motor starts. Once motor achieves operating speed remove down force on handle

NOTE: Motor will not restart if power is lost then comes back on. Machine OFF button must be pushed first to restart. DO NOT operate machine if machine ON/OFF switch and/or red electric motor reset button is not functioning properly to prevent unexpected machine start-up, loss of control and/or "runaway" machine. There is no automatic shut off feature on the machine.

 Using proper operator stance, push forward with both hands on operator handle to begin floor covering removal process.

NOTE: DO NOT use extension cord to move RIP-R-STRIPPER or pull plug from receptacle. Damage to cord can result. Keep cord clear of machine, accessory blade, heat, oil, sharp edges or moving parts. If extension cord becomes entangled about RIP-R-STRIPPER and/or operator turn machine ON/OFF switch to OFF position immediately.

17. As job progresses/flooring removal conditions change, without turning machine off, adjust Back-Saver™ Blade Control system on-the-fly for appropriate blade position. To operate, turn lever clockwise to decrease blade angle and counterclockwise to increase blade angle. Refer to FLOOR COVERING REMOVAL TECHNIQUES in APPLICATION THEORY & TECHNIQUE section of this manual for more information on blade angle. FIGURE 18





FIGURE 18

IMPORTANT: RIP-R-STRIPPER comes with two internally, permanently mounted weights to help provide necessary downforce on blade. If more weight is required for a specific flooring removal project, contact Customer Service Department for assistance. There is no charge for this service.

 Consistently remove loose flooring material to determine proper material removal depths and extent of work completed. Lack of proper dust collection system and/or broom use can increase problem.

NOTE: Properly dispose of all accumulated floor covering materials according to international and local environmental regulations.

19. RIP-R-STRIPPER normal use creates material build-up on machine. It is highly recommended all exposed internal/external surfaces be properly cleaned after each use plus, adjust wheel scraper clearance to minimize build-up on wheels. Refer to MAINTENANCE INSTRUCTIONS section of this manual for more information.

STOPPING RIP-R-STRIPPER



- Turn RIP-R-STRIPPER ON/OFF switch to OFF position between each use or when moving from one major section of work surface to another.
- Disconnect extension cord from power source. Never leave RIP-R-STRIPPER connected to power source and unattended.
- Disconnect extension cord from machine.

9 MAINTENANCE INSTRUCTIONS





For routine maintenance, the following information should be followed at minimum once per week or 40 hours of use for maximum performance and return on investment unless otherwise indicated. Information is for reference only and is not intended to be all inclusive.

- Use factory approved replacement parts/accessories only for maintenance and repair.
- All maintenance/repairs not described in this operator manual must be done by a dedicated service center following a specific service/repair manual.
- STOP RIP-R-STRIPPER BEFORE performing maintenance and service per STOPPING RIP-R-STRIPPER in OPERATING INSTRUCTIONS section of this manual.
- Remove accessory blade per INSTALLING & REMOVING ACCESSORY BLADES in MACHINE SET-UP section of this manual.
- Inspect for loose or broken parts. Inspect each blade for sharpness and cracking. Inspect all fasteners, individual parts, operator controls and safety devices for proper function. Tighten fasteners as necessary. Replace any worn or damaged part or assembly.

6. Remove all loose material accumulations, dirt and grease on internal/external surfaces, breaker body and cooling vents to prevent safety hazards, poor performance and reduced service life. Use proper dust collection system as necessary to remove most accumulation then use safety type solvent for final RIP-R-STRIPPER cleaning.

NOTE: Electric motor is fully enclosed, fan cooled design (TEFC). Keep fan fins clear of material accumulations for proper air flow/cooling.

NOTE: Properly dispose of all accumulated floor covering materials according to international and local environmental regulations.

IMPORTANT: Use safety type solvent. DO NOT use thinner, benzene, or other volatile solvents that will attack rubber/plastic components when cleaning RIP-R-STRIPPER. Provide adequate ventilation. Dispose of rags/solvents per international and local regulations.

- 7. Inspect RIP-R-STRIPPER ON/OFF and red, electric motor reset switch for proper function. If damaged or worn, replace.
- Inspect operator handle grips for moisture, pitch, oil or grease and are not cracked, damaged or worn. If full of dirt or pitch, clean. If loose, damaged and/or worn or end caps are missing, replace.
- 9. Inspect operator handle for structural integrity, cracks or abrasions.
- Inspect all safety and operation decals for proper condition. If any decal becomes damaged and/or unreadable, replace.

10 TROUBLESHOOTING

NOTE: If troubleshooting information does not correct situation, all maintenance/repairs not described in this operator manual must be done by a dedicated service center following a specific service/repair manual.

MOTOR WILL NOT START OR LOOSES POWER

Possible Cause	Correction
ON/OFF switch located on	Turn to ON position.
operator handle in OFF position.	
Thermal protection switch	Allow motor to cool. Push red button
activated.	on motor to reset.
Operator handle cord plug to	Inspect for damage and proper
electric breaker not connected.	connection configuration. Connect
	cord to extension cord.
No power received from power	Consult qualified electrician for proper
source.	voltage and ampere output.
Improper extension cord	Determine all connections produce a
connection (if applicable).	closed circuit. Reduce length and/or
	increase cord cross-sectional size.
Motor loses power.	Check power source for correct
	voltage and amperage.
High operating temperatures.	Disconnect machine from power
	source. Allow to cool. Determine
	motor fan blades are clean of foreign
	material accumulations. Clean as
	necessary using appropriate solvent.

ACCELERATED EXCITER SHAFT BEARING WEAR AND/OR FAILURE

Possible Cause	Correction
Retaining clamp screws loose.	Clean blade clamp area, retighten
	screws.
Worn or damaged accessory	Replace blade.
blade.	
Worn or damaged elastomeric	Replace mounts.
mounts.	

DIFFICULTY OPERATING BACK SAVER™ BLADE CONTROL SYSTEM

Possible Cause	Correction
Misaligned jackscrew bearing.	Loosen and realign.
Bent jackscrew.	Replace jackscrew and flexible joint assembly.

UNEVEN ACCESSORY BLADE WEAR

Possible Cause	Correction	
Incorrect blade installation.	See INSTALLING & REMOVING ACCESSORY BLADES this manual.	
Damaged exciter plate.	Replace plate.	
Damaged elastomeric rubber mount(s).	Replace mounts.	
Bent blade.	Replace blade.	

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FCS16GEN3 RIP-R-STRIPPER® FLOOR COVERING STRIPPER FORM GOM19091901EU, VERSION 1.0



EXCESSIVE JUMPIING ON WORK SURFACE

Possible Cause	Correction
Incorrect blade installation.	See INSTALLING & REMOVING ACCESSORY BLADES this manual.
Improper blade angle.	Readjust blade angle.

UNEVEN FLOOR COVERING MATERIAL REMOVAL

Possible Cause	Correction
Blade beveled edge orientation	Change orientation. Refer to
incorrect for type work surface.	ACCESSORY BLADE TYPES &
	APPLICATIONS section this manual.
Bent accessory blade.	Replace blade.
Excessive material build-up on caster wheel face surface.	Remove material. Readjust wheel scraper to wheel gap setting: 0.8/1.5 mm (.03/.06 inch).
Excessive axle shoulder-type cap screw wear.	Replace cap screw.

11 STORAGE

LONG TERM STORAGE





Procedure for long term storage of RIP-R-STRIPPER will protect it against effects of corrosion and damage. If RIP-R-STRIPPER is not to be operated for a period of 30 days or more, proceed to store as follows:

- STOP RIP-R-STRIPPER per STOPPING RIP-R-STRIPPER in OPERATING INSTRUCTIONS section of this manual.
- Remove accessory blade per INSTALLING & REMOVING ACCESSORY BLADES in MACHINE SET-UP section of this manual. Store to prevent damage or rust.
- Clean RIP-R-STRIPPER per MAINTENANCE INSTRUCTIONS section of this manual.
- Inspect all visible parts for wear, breakage or damage per MAINTENANCE INSTRUCTIONS section of this manual.
- Apply a dry film lubricant to all exposed metal components, including accessory blade, to prevent rust formation.
- Block bottom of main frame to prevent damage to exciter plate and elastomeric rubber mounts.
- Store RIP-R-STRIPPER inside. If RIP-R-STRIPPER must be stored outside, protect it with a suitable covering.

12 END OF LIFECYCLE



If the machine comes to the end of its lifecycle, destruction of the machine must be conducted according to international and local environmental regulations.

13 DECLARATION OF CONFORMITY

We, General Equipment Company, 620 Alexander Drive SW, P.O. Box 334, Owatonna, MN 55060, USA declare under our sole responsibility that the portable floor covering stripper product: FCS16

To which this declaration relates is in conformity with the following standards or standardization documents:

- EN-ISO 12100:2010

According to the provisions of the European directive:

- 2006/42/EC

Manufactured at: Owatonna, Minnesota 55060, USA Beginning with serial number: 172811

Signature: Dennis Von Ruden

Position: President Date: September 19, 2019



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