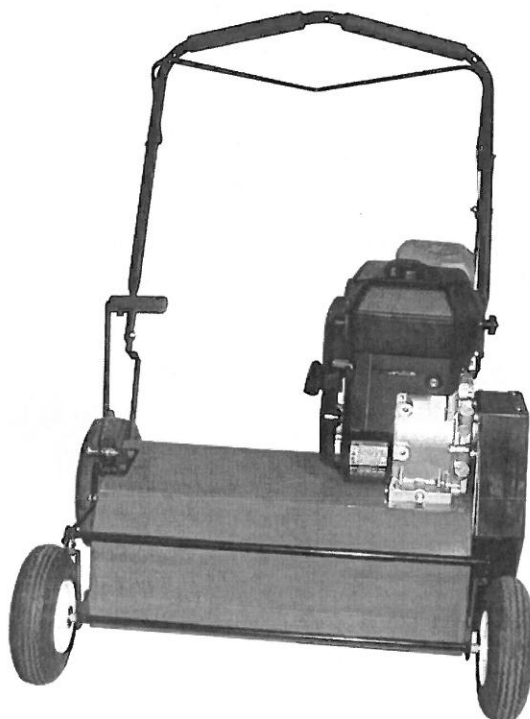


SYNTHETIC TURF PAINT REMOVER

SAFETY AND OPERATING INSTRUCTION MANUAL

MODEL:

POWER BRUSH 5.5H



This manual contains information concerning proper and improper operation procedures, warnings, maintenance, troubleshooting, and assembly tips. Everyone who operates this machine should read these instructions and be thoroughly familiar with them.

Pioneer Athletics
P 800.877.1500

4529 Industrial Parkway
www.pioneerathletics.com

Cleveland, OH 44135
F 800.877.1511

SECTION I – SAFETY



This symbol points out important safety instructions, which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate your machine. Failure to comply with these instructions may result in personal injury. When you see this symbol - **heed its warning**.

**THIS MACHINE IS CAPABLE OF INFLICTING SERIOUS INJURY
IF
OPERATED IMPROPERLY -- READ WARNINGS & CAUTION LABELS.**

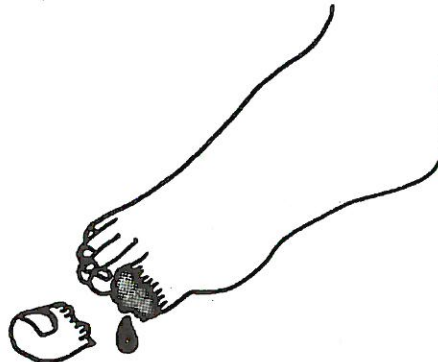
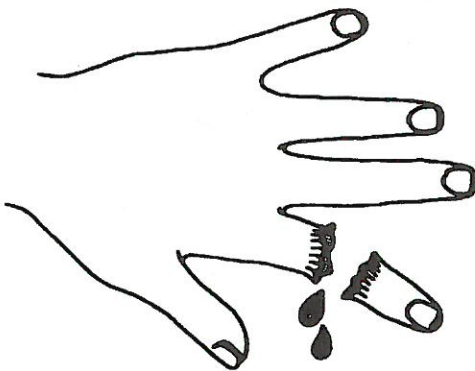
INTENDED USE

This machine is designed to remove markings from artificial turf. It is designed for this use only. Any other use may cause serious injury. Like all mechanical tools, reasonable care must be used when operating the machine.



DANGER: *Rotating and moving parts.*

Keep hands and feet clear of all rotating or moving parts while machine is running.



DANGER: This machine can **CRUSH, GRIND, CUT**, and **SEVER** parts of your body if they come in contact with moving parts.

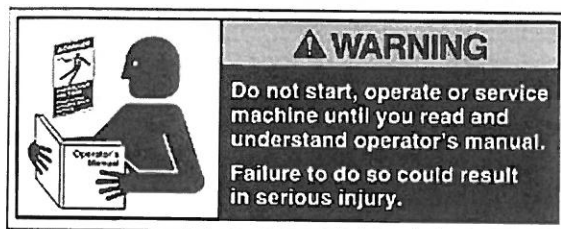


DANGER: Your Power Brush was built to be operated according to the rules for safe operation in this manual. **As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury.** If you violate any of these rules, you may cause serious injury to yourself or others.

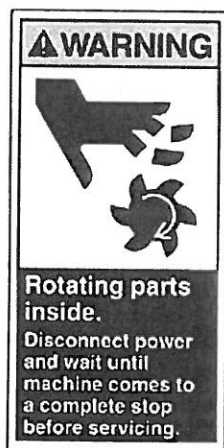
MAKE CERTAIN THAT ALL SAFETY LABELS ON THIS EQUIPMENT ARE KEPT CLEAN AND IN GOOD CONDITION. IF YOU NEED REPLACEMENT LABELS, ORDER BY PART NUMBER.



091-0062



091-0380



091-0381

LOW

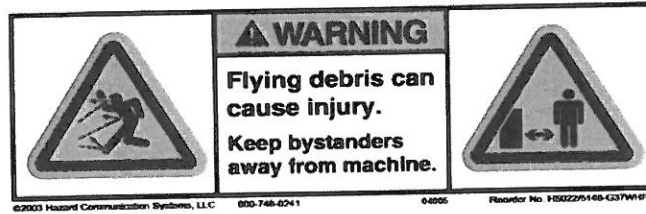


HI

091-0432



091-0433



091-0434



927-2256

SAFE OPERATION PRACTICES

TRAINING

- Read this owner's manual carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine before operation. Be completely familiar with the controls and the proper use of the machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Do not start, operate or service machine until you read and understand operator's manual. Failure to do so could result in serious injury.
- If you cannot read and UNDERSTAND this owner's manual, DO NOT OPERATE THIS MACHINE.
- Know how to stop the unit and disengage the controls quickly.
- Never allow children to operate the unit. Never allow adults to operate the equipment without proper instruction. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use your unit.
- Keep the area of operation clear of all persons, particularly small children and pets. Stop the engine when they are in the vicinity of the unit. Keep work area clean and clear of branches or obstacles, which could cause you to stumble or fall.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people, their property, and themselves.
- Your Power Brush is a powerful tool, not a plaything. Exercise extreme caution at all times. Your unit has been designed to markings from artificial turf. Do not use it for any other purpose.
- If situations occur which are not covered in this manual, use care and good judgment. Contact your place of purchase for additional assistance.

PREPARATION

- Thoroughly inspect the area where the equipment is to be used and remove all foreign objects.
- Do not operate the machine without wearing adequate outer garments and safety goggles. Always wear safety glasses or goggles during operation and while performing any adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine. Be sure your glasses or goggles fit properly.
- Avoid loose-fitting clothes and use protective footwear that will improve footing on slippery surfaces. Shirt and slacks that cover the arms and legs and steel-toed shoes are recommended. Secure hair above shoulders. Do not wear loose clothes or jewelry that can be caught in moving parts. Never operate a unit in bare feet, sandals or sneakers.
- Warning: Fuel is highly flammable and the vapors are explosive. Take the following precautions.
 - Store fuel and oil in approved containers.
 - Keep away from heat and open flame, and out of the reach of children.
 - Refuel outdoors only and do not smoke while refueling.
 - Check and add fuel before starting the engine. Never remove gas cap or add fuel while the engine is running or when the engine is hot. Allow engine to cool before refueling.
 - If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have disappeared.
 - Replace all fuel tank and container caps securely.
 - Never store the machine or fuel container inside where there is an open flame or spark, such as a gas hot water heater, space heater, clothes dryer or furnace.
 - To reduce fire hazard, keep engine and muffler free of debris build-up. Clean up fuel and oil spillage. Allow unit to cool at least five minutes before storing.
- Never attempt to make any adjustments while the engine is running.

OPERATION

- Never place your hands, feet, or any part of your body in or under the housing, near debris outlet, or near or under any moving part while the machine is running. Keep clear of all moving parts at all times.
- Do not operate on slopes of more than 20°. Work across the slope, not up and down the slope.
- Never operate your unit on a slippery, wet, muddy, or icy surface.
- Exercise caution to avoid slipping or falling.
- Stay alert for hidden hazards or traffic. Do not carry passengers.
- If the machine strikes a foreign object or if your machine should start making an unusual noise or vibration, immediately stop the engine, remove the spark plug wire(s) and wait for all moving parts to come to a complete stop. After the machine has come to a complete stop proceed as follows:
 - Inspect for any damage.
 - Repair or replace any damaged parts before restarting and operating the machine.
- If the machine should start to vibrate abnormally, immediately stop the engine, remove the spark plug wire(s) and wait for all moving parts to come to a complete stop and inspect for the cause. Vibration is generally a warning sign of trouble.
- Stop the engine when leaving the operating position, and when making any repairs, adjustments and inspections.
- Take all possible precautions as recommended by the manufacturer when leaving the machine unattended. Stop the engine and remove the key if so equipped.
- Before cleaning, repairing, or inspecting, shut off the engine and make certain all moving parts have come to a complete stop. Disconnect the spark plug wire and keep the wire away from spark plug to prevent accidental starting. Do not use flammable solutions to clean air filter.
- Never run this machine in an enclosed area as the exhaust from the engine contains carbon monoxide, which is an odorless, tasteless, and deadly poisonous gas.
- Keep all guards and safety devices in place and operating properly. Do not operate the machine if all safety guards are not in place.
- Do not use the unit with any guards removed.
- The muffler and engine become hot and can cause a severe burn. Do not touch.
- Keep children and pets away.
 - Tragic accidents can occur if the operator is not alert to the presence of small children.
 - Keep children out of the work area and under the watchful eye of a responsible adult other than the operator.
 - Be alert and turn the unit off if a child enters the area.
 - Never allow children to operate the dethatcher.
- Do not overload or attempt to use beyond manufacturers recommendation. Personal injury or damage to the machine could result.
- Never operate the machine at high transport speeds or on hard or slippery surfaces.
- Never allow bystanders near the unit while running.
- Only use accessories approved for this machine by the manufacturer. Read, understand, and follow all the instructions provided with the approved accessory.
- Only operate unit in good daylight. Do not operate unit at night or in dark areas where your vision may be impaired.
- Use extreme caution when reversing or pulling the machine towards you.
- Do not tamper with the engine's governor setting. The governor controls the maximum safe operation speed and protects the engine. Over-speeding the engine is dangerous and will cause damage to the engine and to the other moving parts of the machine. See your authorized dealer for engine governor adjustments.
- Start the engine according to the manufacturers instructions. Keep hands and feet away from inlet and discharge areas.
- Never pick up or carry the machine while the engine is running.
- Do not operate while under the use of alcohol, drugs, or medication. A clear mind is essential for safety.
- Do not allow anyone who is not alert to operate this machine.
- When using this equipment, be extremely careful that pieces of metal, rocks, or other foreign objects are not in the path of use. Personal injury or damage to the machine could result.
- Do not allow any part of the engine, especially around the cooling fans and muffler, to become clogged with processed material, leaves, oil, grease or any other combustible material.

- Do not operate engine if air cleaner or cover over carburetor air-intake is removed, except for adjustment. Removal of such parts could create a fire hazard.

MAINTENANCE AND STORAGE

- Keep machine, attachments and accessories in safe working condition.
- Check engine mounting bolts and other hardware at frequent intervals for proper tightness. Never operate your machine in poor mechanical condition or when in need of repair. Be sure all safety guards and shields are in proper position. These safety devices are for your protection.
- Never store machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers and the like. Allow the engine to cool before storing in any enclosure.
- Always refer to the operator's manual for important details if the machine is to be stored for an extended period.
- If the fuel tank is to be drained, do this outdoors.
- Follow the manufacturer's recommendations for safe loading, unloading and storage of machine.
- If it is necessary for any reason to inspect or repair the machine where a moving part can come in contact with your body or clothing, shut the machine off, allow all moving parts to come to a complete stop and disconnect spark plug wire(s) before attempting to unclog, inspect or repair.
- Visually inspect the brush for wear or damage. Replace the brush with parts that meet original equipment specifications.
- Brush should be checked after every use.
- Never tamper with safety devices. Check their proper operation regularly.
- Inspect the belt each time you use the unit. Look for damage, worn areas or tears. Do not use the unit if this condition exists.
- Do not tamper with the engine's governor setting. The governor controls the maximum safe operation speed and protects the engine. Over-speeding the engine is dangerous and will cause damage to the engine and to the other moving parts of the machine. See your authorized dealer for engine governor adjustment.

YOUR RESPONSIBILITY

- Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

**SAVE THESE INSTRUCTIONS
FOR FUTURE REFERENCE**



HAZARD: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, the operator should maintain it in effective working order.

In the State of California, the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your Briggs & Stratton servicing dealer.

SECTION II – ASSEMBLY INSTRUCTIONS

PACKAGE CONTENTS

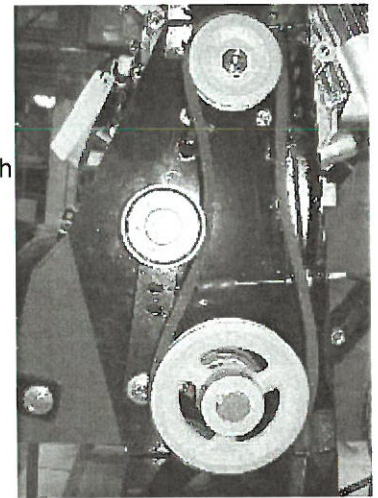
SKID/CARTON	POLYBAG
MACHINE	OWNER'S MANUAL
POLYBAG	ENGINE MANUAL

STEP I – UNPACKING AND CHECKING CONTENTS

- Remove all the items from the crate.
- After unpacking the crate, compare the contents with the list above.
- If any parts are missing, contact your place of purchase.
- Assembly should be done on a clean, level surface.

STEP II – ASSEMBLY

- Fold handle up into place, and secure with carriage bolt and locking knobs.
- Be sure, by pulling on the idler cable handle, the belt has tension on it to turn the brush
- The belt's proper running track should look like the figure shown here.



SECTION III – LUBRICATION & ENGINE START UP

REFER TO THE ENGINE OWNER'S MANUAL FOR DETAILS REGARDING OPERATION AND MAINTENANCE OF THE ENGINE.

BEFORE STARTING ENGINE, ALWAYS CHECK OIL LEVEL!

NOTE: ENGINE IS SHIPPED *WITHOUT* OIL! FILL CRANKCASE WITH OIL BEFORE STARTING ENGINE. BE VERY CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

NOTE: IF YOU START THE ENGINE WITHOUT OIL, THE ENGINE WILL BE DAMAGED BEYOND REPAIR AND WILL NOT BE COVERED UNDER WARRANTY.

FOLLOW ENGINE SERVICING INSTRUCTION

HONDA ENGINE

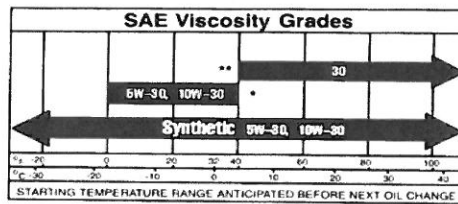
OIL

OIL CAPACITY

- 5/8 quart (20 ounces)

TYPE OF OIL TO USE

- Oil is a major factor affecting performance and service life. Use 4-stroke automotive detergent oil.
- SAE 10W-30 is recommended for general use. Otherwise choose according to the following chart.



- The SAE oil viscosity and service classification are in the API label on the oil container. Honda recommends that you use API SERVICE category SJ oil.

ENGINE OIL LEVEL CHECK

- Check the engine oil level with the engine stopped and in a level position.
- Remove filler cap/dipstick and wipe it clean.
- Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
- If the oil level is low, fill to the edge of the oil filler hole with the recommended oil.
- Screw in the filler cap/dipstick securely.

NOTE: Running the engine with a low oil level can cause engine damage.

ENGINE OIL CHANGE

- Drain the used oil while the engine is warm. Warm oil drains quickly and completely.
- Place a suitable container below the engine to catch the used oil, then remove the filler cap/dipstick and the drain plug.
- Allow the used oil to drain completely, then reinstall the drain plug, and tighten it securely.
- With the engine in a level position, fill to the outer edge of the oil filler hole with the recommended oil.
- Screw in the filler cap/dipstick securely.

NOTE: Running the engine with a low oil level can cause engine damage.

FUEL

- With the engine stopped, remove the fuel tank cap and check the fuel level. Refill the tank if the fuel level is low.



WARNING!

- Gasoline is highly flammable and explosive.
 - You can be burned or seriously injured when handling fuel.
 - Stop the engine and keep heat, sparks, and flame away.
 - Handle fuel only outdoors.
 - Wipe up spills immediately.
-

- Refuel in a well ventilated area before starting the engine.
- If the engine has been running, allow to cool.
- Refuel carefully to avoid spilling fuel.
- Do not fill the fuel tank above the fuel strainer shoulder.
- After fueling, tighten fuel cap securely.
- Never refuel the engine inside a building where gasoline fumes may reach flames or sparks.
- Keep gasoline away from appliance pilot lights, barbecues, electrical appliances, power tools, etc.
- Spilled fuel is not only a fire hazard, it causes environmental damage. Wipe up spills immediately.
- **Use unleaded gasoline with a pump octane rating of 86 or higher.**
- These engines are certified to operate on unleaded gasoline. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.
- Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.
- Occasionally you may hear a light “spark knock” or “pinging” while operating under heavy loads. This is no cause for concern.
- If spark knock or pinging occurs at a steady engine speed, under normal load, change brands of gasoline. If spark knock or pinging persists, see an authorized Honda servicing dealer.

NOTE: Running the engine with persistent spark knock or pinging can cause engine damage.

NOTE: Running the engine with persistent spark knock or pinging is misuse, and the Distributor's Limited Warranty does not cover parts damaged by misuse.

STARTING AND STOPPING

STARTING THE ENGINE

- Move the fuel lever to the ON position.
- To start a cold engine, move the choke lever to the CLOSED position.
- To restart a warm engine, leave the choke lever in the OPEN position.
- Move the throttle lever away from the SLOW position, about 1/3 of the way toward the FAST position.
- Turn the engine switch to the ON position.
- Pull the starter grip lightly until you feel resistance, then pull briskly. Return the starter grip gently.

STOPPING THE ENGINE

- To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure.
- Move the throttle lever to the SLOW position.
- Turn the engine switch to the OFF position.
- Turn the fuel valve lever to the OFF position.

SECTION IV – OPERATION

THIS MACHINE IS DESIGNED TO REMOVE MARKINGS FROM ARTIFICIAL TURF. NEVER USE THIS MACHINE FOR ANY OTHER PURPOSE AS IT COULD CAUSE SERIOUS INJURY.

CONTACT WITH INTERNAL ROTATING PARTS WILL CAUSE SERIOUS PERSONAL INJURY. DO NOT PUT HANDS, FACE, FEET OR CLOTHING UNDER THE HOUSING OR NEAR ANY MOVING PARTS AT ANY TIME.

MAINTENANCE AND SERVICE SHOULD ONLY BE PERFORMED AFTER THE ENGINE IS OFF AND ALL MOVING PARTS HAVE COME TO A COMPLETE STOP.

SAFETY FIRST

- Always wear protective safety glasses during operation of the machine.
- Never allow your hands or any part of your body or clothing under the housing or near moving parts at any time.
- Keep all protective guards and warning labels on the machine and in good working condition.
- Keep proper balance and footing while operating the machine.
- Keep area of operation clear of people and animals. Be aware of your surroundings at all times.
- Do not transport the machine with the engine running.

OPERATION

- Before brushing, inspect the area of operation for foreign objects.
- Make sure the turf you are going to brush is dry.
- Your machine has many height settings to allow for brush wear.
- When starting, adjust the height so that the brush just touches the ground while on a flat surface.
- If your turf has markings that do not come off on the first pass, make a second pass over the same area before adjusting the brush lower.
- Trying to remove stubborn markings by lowering the brush excessively can damage or destroy the turf and your machine.
- When the height is correctly set and you are ready to use the brush, slowly pull the tine engage bail to the handle.
- If the engine speed drops excessively when you engage the brush, or the brush causes a self-propelling action of the machine, the height setting is set too deep. Raise the brush one setting and try again.
- When you have finished the designated area, there may be a layer of loose turf and paint on top of the turf.
- Remove all loose turf and paint from surface with a yard vacuum, or blower.

SECTION V – MAINTENANCE & STORAGE

The Power Brush is designed to provide years of hard working, low maintenance service.

Make sure all moving parts have come to a complete stop and disconnect the spark plug before performing service of any kind to the machine.

MAINTENANCE

If the machine strikes any foreign object or if your machine should start making an unusual noise or is vibrating, stop the engine, disconnect the spark plug wire(s) from the spark plug(s). Allow the engine to cool before you:

- a. Inspect and examine for damage.
- b. Check for loose nuts, bolts or parts.
- c. Repair or replace any damaged parts before restarting and operating the machine.

Areas of your machine that you should check regularly include the following.

- Engine – The engine is shipped without oil. Be sure to add oil before the first time starting the machine. Check oil level every time the machine is operated. For additional engine maintenance and service items, see the engine owner's manual.
- Shaft bearings - After every 8 hours of operation, lubricate the main shaft bearings with multi-purpose lithium grease. Also, check the bearing collar set screws regularly to be sure they are tight. If they are loose, reset them with Loctite 243, obtainable at any hardware store. Lubricate bearings every time the machine is cleaned with a pressure washer.
- Belt – Be certain that is running in the proper track. Check for cracks, heat damage or worn edges. If these symptoms appear, replace the belt.
- Brush – The brush should last for many hours of use. Once it cannot be adjusted to just touch the ground, per the operating instructions, it is time to replace it.

<p>NOTE: Replacement brush is part number 860-0101.</p>
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CHANGING THE BRUSH

1. Disconnect spark plug, remove gas and oil then tip the machine on its side, engine to the floor (Fig. 1).

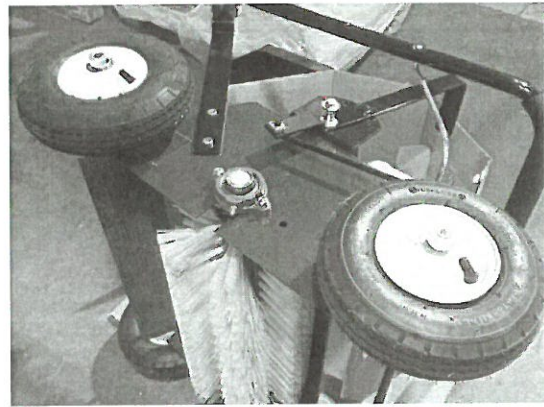


FIGURE 1

2. Remove the (2) nuts from the outside of the brush holder bushing and then remove the (2) bolts. (Fig. 2A & 2B)

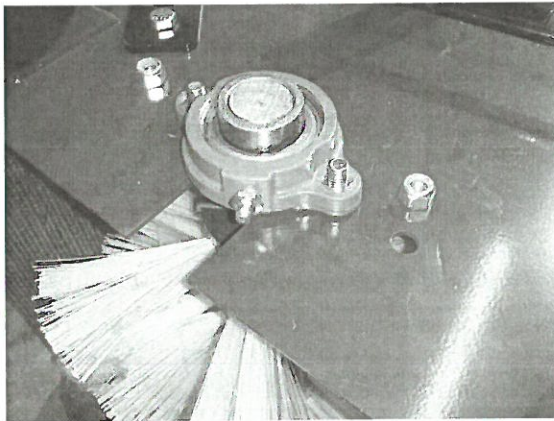


FIGURE 2A



FIGURE 2B

3. Slide the brush shaft out of the main frame (Fig. 3).

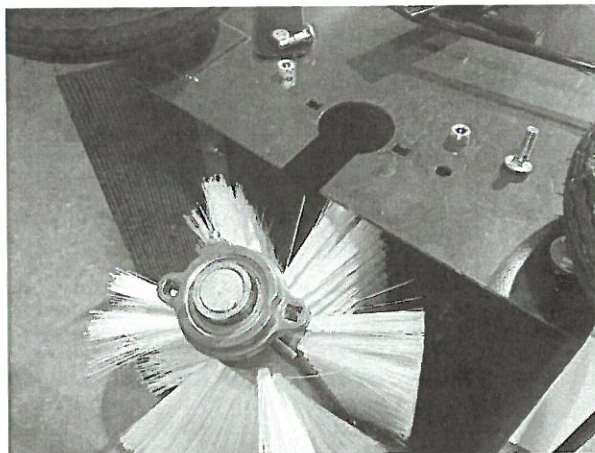


FIGURE 3

4. Remove the small Allen head set screws from outer bearing (Fig 4A) and use a wheel puller to remove bearing (Fig 4B).



FIGURE 4A

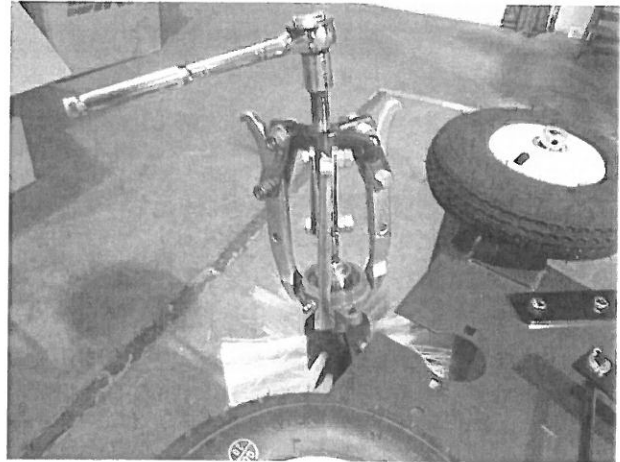


FIGURE 4B

5. Remove the cross pin and slide off brush. Slide on new brush and reassemble (Fig 5).

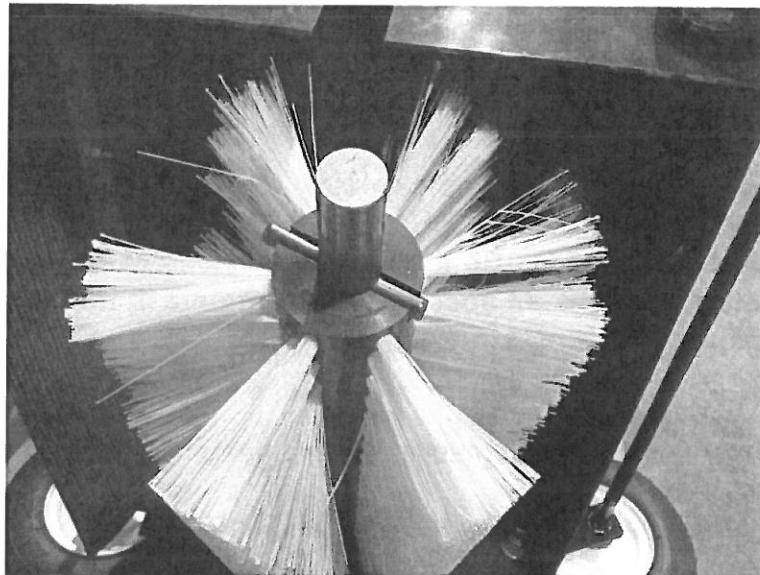


FIGURE 5

6. Once the new brush has been installed, tip the machine upright, fill gas and oil and reconnect spark plug.

STORAGE

- When not in use, your machine should be stored out of the reach of children. Be sure that there are no gasoline fumes in the storage area. For long periods of storage (over the winter), refer to the engine owner's manual.
- Clean the machine thoroughly.
- Inspect for worn or damaged parts and tighten any nuts or bolts that may be loose.
- Change engine oil.
- Fuel – see engine section below.
- Lubricate bearings.
- Store the unit in a clean, dry area. Do not store next to corrosive material, such as fertilizer.
- If the pulleys rust during storage or due to other factors, they should be cleaned or replaced as a rusted pulley may effect the operation of the machine.
- **NOTE: If storing in an unventilated or metal storage shed, rustproof the equipment by coating with a light oil or silicone.**

Engine

It is important to prevent gum deposits from forming in essential fuel system parts such as the carburetor, fuel hose, or fuel tank during storage. Experience indicates that alcohol blended fuels (e.g. gasohol, ethanol, or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

- Empty the fuel tank before storing the machine for 30 days or longer.
- Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Remove the spark plug, pour approximately one tablespoon of engine oil into cylinder and crank slowly to distribute oil. Replace the spark plug.
- Use fresh fuel next season. **Do not** store gasoline from one season to another.
- **NOTE: Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage.**

Fuel Stabilizer

- Follow the mix ratio found on stabilizer container when mixing stabilizer to gasoline in fuel tank or storage container.
- Run the engine at least ten minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer.

Oil

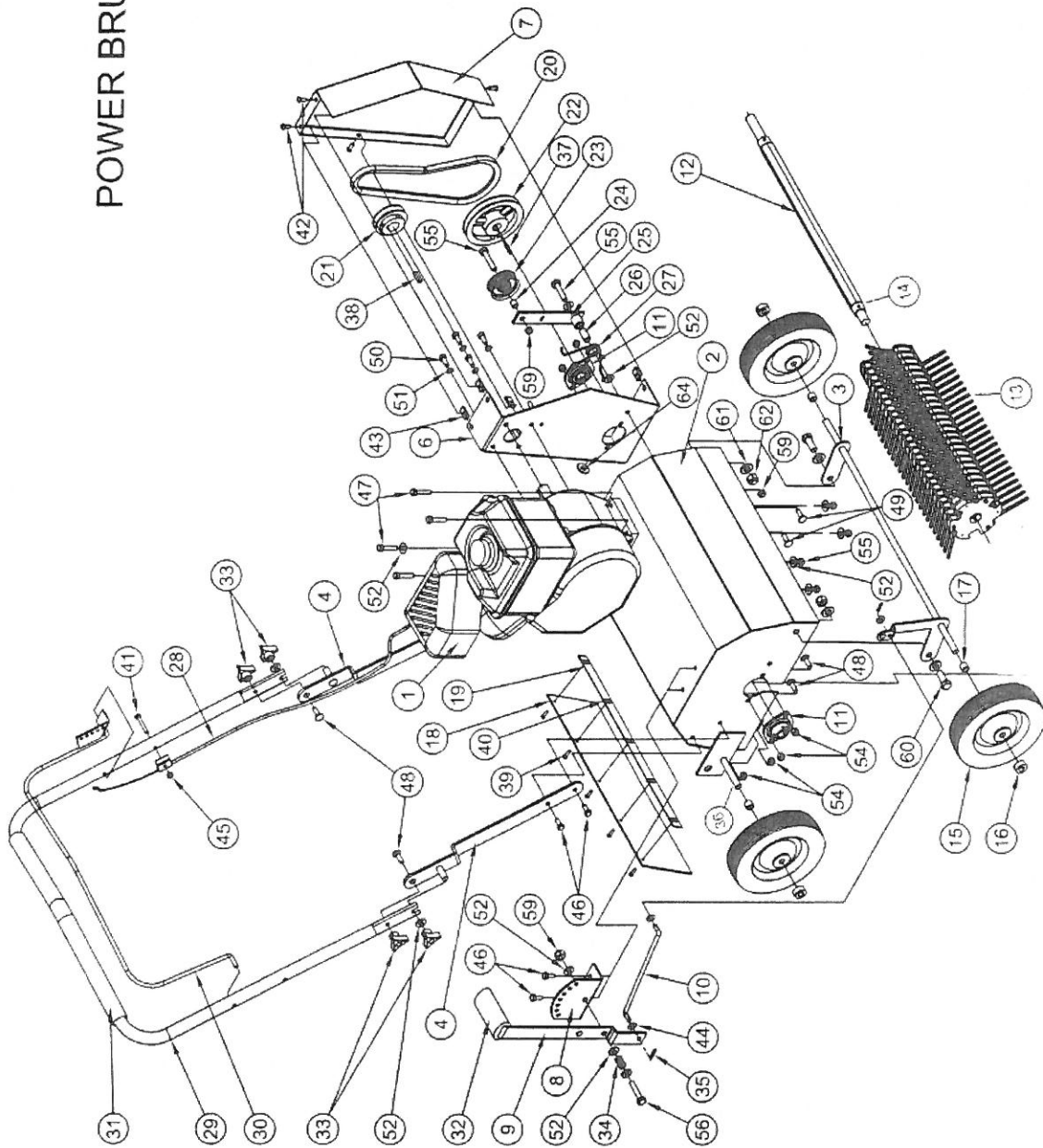
- Drain all the oil from the crankcase and refill the crankcase with fresh oil each season and before prolonged storage (this should be done after the engine has been operated and is still warm).

SECTION VI - PARTS

Power Brush			
ITEM	QTY	PART #	DESCRIPTION
1	1	706-3404	5.5 HP HONDA ENGINE
2	1	860-0008	HOUSING WELDMENT
3	1	860-0103	FRONT AXLE WELDMENT
4	2	860-0051	HANDLE MOUNT BRACKET WELDMENT
6	1	860-0020	INNER BELT GUARD WELDMENT
7	1	860-0029	OUTER BELT GUARD
8	1	860-0025	HEIGHT ADJUST BASE
9	1	860-0026	HEIGHT ADJUST LEVER WELDMENT
10	1	860-0059	HEIGHT ADJUST LINKAGE
11	2	030-0055	1" BEARING & SET SCREW
12	1	860-0100	MAIN SHAFT
13	1	860-0101	BRUSH ASSEMBLY
14	2	090-0732	ROLL PIN
15	4	030-0263	PNEUMATIC WHEEL
16	4	090-0688	1/2" LOCKING COLLAR
17	4	927-1775	BUSHING - SP CONTROL HANDLE
18	1	860-0032	DISCHARGE FLAP
19	1	860-0033	DISCHARGE FLAP MOUNT STRIP
20	1	708-3292	4L-340 BELT
21	1	030-0366	AK28 X 3/4" SHEAVE
22	1	500-0037	A 500 X 1" SHEAVE
23	1	909-0012	IDLER PULLEY 2.25" X .375" BORE
24	1	900-0092	SPACER
25	1	860-0112	IDLER WELDMENT
26	1	805-0023	IDLER SPACER
27	1	030-0364	TORSION SPRING
28	1	030-0361	IDLER CABLE
29	1	860-0057	HANDLE
30	1	860-0031	BAIL WELDMENT - 18"
31	1	860-0045	FOAM HANDLE
32	1	500-0045	GRIP - HEIGHT ADJUSTER
33	4	500-0051	4 PRONGED LOCKING KNOB W/ NYLOCK
34	1	712-0069	SPRING LC-092H-6 1-1/2"
35	2	090-0625	HAIR PIN - "WW" #225
36	1	860-0102	AXLE
37	1	100-0018	SHAFT KEY 3/16" X 3/16" X 1" LG.
38	1	500-0031	SHAFT KEY 1/4" X 1/4" X 1" LG.
39	5	090-0739	10-24 X 3/4" HHMS
40	5	090-0703	10-24 NYLOCK-NUT
41	1	090-0013	1/4-20 X 1-3/4" HHCS
42	4	090-0012	1/4-20 X 3/4" HHCS
43	4	090-0689	1/4-20 U-NUT
44	4	090-0245	1/4" SAE FLATWASHER ZP

45	1	090-0470	1/4-20 NYLOCK NUT
46	6	090-0066	5/16-18 X 3/4" HHCS
47	4	090-0090	5/16-18 X 1-1/2" HHCS
48	6	090-0551	5/16-18 X 1" CARRIAGE BOLT
50	4	090-0408	5/16-24 X 3/4" HHCS
51	4	090-0394	5/16" SPLIT LOCKWASHER
52	7	090-0233	5/16" USS FLATWASHER PLTD
54	14	090-0460	5/16-18 NYLOCK NUT
55	2	090-0114	3/8-16 X 2" HHCS
56	1	090-0119	3/8-16 X 2 1/4" HHCS
59	3	090-0461	3/8-16 NYLOCK NUT
60	2	090-0128	1/2-13 X 1-1/4" HHCS
61	4	090-0545	1/2" SAE ZP FLATWASHER
62	2	090-0629	1/2-13 NYLOCK NUT
64	2	090-0690	SLOTTED 5/16" FLATWASHER
65	1	860-0049	ENGINE TO HOUSING SPACER
66	4	090-0232	1/4" USS FLATWASHER PTLD
67	4	090-0378	1/4" SPLIT LOCKWASHER
68	2	090-0234	3/8" USS FLATWASHER
69	2	090-0228	3/8" SPLIT LOCKWASHER

POWER BRUSH



POWER BRUSH

Notes:

Notes:

SECTION VII - WARRANTY

Any product manufactured by MacKissic, Inc. and found, in the judgment of MacKissic, Inc., to be defective in material or workmanship, will be repaired or replaced by an Authorized MacKissic Service Dealer without charge for parts and labor to the original owner of the MacKissic product.

The MacKissic product including any defective part must be returned to an Authorized MacKissic Service Dealer within the warranty period. The expense of delivering the product to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be borne by the owner. MacKissic's responsibility is limited to making the required repairs or replacements only. No claim of breach of warranty shall be cause for cancellation or rescission of the sales contract of any MacKissic product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an Authorized MacKissic Service Dealer.

This warranty is limited to two years from the date of original retail purchase for any MacKissic product that is used for consumer purposes or 90 days for commercial and rental use.

This warranty does not cover any product that has been subject to misuse, abuse, neglect, negligence, or accident, or that has been operated in any way contrary to or inconsistent with the operating instructions as specified in the owner's manual. The warranty does not apply to any damage to the product that is the result of improper maintenance, or to any product or parts that have not been assembled or installed as specified in the owner's manual.

The warranty does not cover any product that has been altered or modified. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which, in the judgment of MacKissic, Inc., are either incompatible with the MacKissic product or adversely affect its operation, performance or durability. This warranty does not cover engines, electric starters, batteries, and tires, which are warranted separately by their manufacturer and for a different period of time.

MacKissic, Inc. reserves the right to change the design of any product without assuming any obligation to modify any product previously manufactured.

THE DURATION OF THE LIMITED WARRANTY IS TWO YEARS CONSUMER, 90 DAYS COMMERCIAL AND RENTAL USE. REPAIR OR REPLACEMENT AS PROCEEDED UNDER THIS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. MacKissic, Inc. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, EXCEPT THE LIMITED WARRANTY DESCRIBED ABOVE; ALL IMPLIED WARRANTIES (MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE SPECIFICALLY DISCLAIMED.

MacKissic, Inc. ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, EXPENSE FOR GASOLINE, OIL, EXPENSE OF DELIVERING THE PRODUCT TO AN AUTHORIZED MacKissic SERVICE DEALER AND EXPENSE OF RETURNING IT BACK TO THE OWNER, MECHANIC'S TRAVEL TIME, TELEPHONE OR TELEGRAM CHARGES, RENTAL OF A LIKE PRODUCT DURING THE TIME WARRANTY REPAIRS ARE BEING PERFORMED, TRAVEL, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME OR INCONVENIENCE.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

07/19/16