CLASSEN®

COMPACT AERATOR

TA18HE

unic

SCHILLER GROUNDS CARE

PARTS, OPERATOR'S & SAFETY MANUAL

MAN 4174505
Rev. B 11-2018
Original Language Manual

CALIFORNIA PROPOSITION 65

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ ADVERTENCIA: Cáncer y Dãno Reproductivo - www.65Warnings.ca.gov.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

⚠ ADVERTENCIA

El estado de California hace saber que los gases de escape de este producto contienen productos qul mi-cos que producen cá ncer, defectos de nacimiento y otros dañ os en el proceso de reproducció n humana.

IMPORTANT!

It is a violation of California Public Resource Code Section 4442 or 4443 to use or operate the engine on any forest-covered, brush-covered or grass-covered land unless the engine is equipped with a spark arrestor, as defined in Section 4442, maintained in effective working order or the engine is constructed, equipped, and maintained for the prevention of fire.

To acquire a spark arrestor for your unit, see your Engine Service Dealer.

Please refer to the engine manufacturer's information included with the machine.

Labeled power ratings are supplied by the engine manufacturer in accordance with SAE testing and gross/net power rating standards (J1940, J1995, J1349).

PRE-DELIVERY CHECK LIST

Check the following before you deliver the Aerator to the customer.

1. Guards and shields fastened in place.
2. Decals fastened and legible.
3. Weight bar installed.
4. Gas lever on engine turned on.
5. All lubrication points greased.
6. 6:1 gearbox oil level.
7. Engine oil level.
8. Air cleaner.
9. Touch up scratches.
10. Chain(s) tight.
11. Lowering handle working properly.
12. Control handle(s) working to tighten V-belt(s).
13. Add fuel, start engine, test run.

DATE SET UP _____/_____/_____

DELIVERY CHECK LIST

Review the operators manual with the customer.

1. Schiller Grounds Care, Inc. warranty.
2. Safe operation and service.
3. How to use controls.
4. Operating the machine correctly.
5. Transporting the Aerator.
6. Correct fuel and lubricants.
7. Daily and periodic inspections.
8. Changing oil after break-in period.
9. Servicing the Aerator regularly and correctly.
10. Schiller Grounds Care, Inc. parts and service.
11. Give the customer the operators manual and encourage customer to read it.

DATE DELIVERED _____/_____/_____

SIGNATURE _____

OWNER'S RECORD

DATE PURCHASED _____

AERATOR MODEL NUMBER _____

AERATOR SERIAL NUMBER _____

ENGINE MODEL NUMBER _____

ENGINE SERIAL NUMBER _____

IMPORTANT MESSAGE

Thank you for purchasing this Classen product. You have purchased a world class product, one of the best designed and built anywhere.

This product comes with Parts and Operator's Manuals. The useful life and good service you receive from this product depends to a large extent on how well you read and understand this manual. Treat this product properly and adjust it as instructed, and it will give you many years of reliable service.

See a Classen dealer for any service or parts needed. Classen service ensures that you continue to receive the best results possible from Classen products. You can trust Classen replacement parts because they are manufactured with the same high precision and quality as the original parts.

Classen designs and builds its equipment to serve many years in a safe and productive manner. For longest life, use this product only as directed in the manual, keep it in good repair and follow safety warnings and instructions. You'll always be glad you did.

Classen
1028 Street Road
Southampton, PA 18966

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INTRODUCTION

THANK YOU

Thank you for purchasing a CLASSEN Aerator

READ THIS MANUAL

Read your operator's manual carefully in its entirety. It contains safety, operating, maintenance, and adjustment instructions for your Aerator. By following the operating and maintenance instructions you will prolong the life of your equipment and maintain its maximum efficiency. Failure to do so could result in personal injury or equipment damage.

This manual should be considered a permanent part of your Aerator and should remain with it if you sell it.

WARRANTY

Refer to last page.

MEASUREMENTS

U.S. Units of measure are used in this manual.

SERIAL NUMBERS

Write frame and engine serial numbers, plus model numbers in "Owner's Record" section below. You may need these numbers when you order parts. The serial number stick plate is located on the right rear of the Aerator frame.

ORDERING PARTS

When ordering parts, always give the serial number and model of your Aerator as well as the quantity, part number and description of the part needed.

DIRECTIONS

"Right Hand" and "Left Hand" sides of the Aerator are determined by facing the "back" of the Aerator as you would operate the machine.

NOTICE !!!

Unauthorized modifications may present **extreme** safety hazards to operators and bystanders and could also result in product damage.

Classen strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by Classen Engineering Department. Any Classen product that is altered, modified or changed in any manner not specifically authorized after original manufacture–including the addition of "after-market" accessories or component parts not specifically approved by Classen–will result in the Classen Warranty being voided.

Any and all liability for personal injury and/or property damage caused by any unauthorized modifications, add-on accessories or products not approved by Classen will be considered the responsibility of the individual(s) or company designing and/or making such changes. Classen will vigorously pursue full indemnification and costs from any party responsible for such unauthorized post-manufacture modifications and/or accessories should personal injury and/or property damage result.

This symbol means:
ATTENTION!
BECOME ALERT!

Your safety and the safety of others is involved.

Signal word definitions:

The signal words below are used to identify levels of hazard seriousness. These words appear in this manual and on the safety labels attached to Classen machines. For your safety and the safety of others, read and follow the information given with these signal words and/or the symbol shown above.

⚠ DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

⚠ WARNING

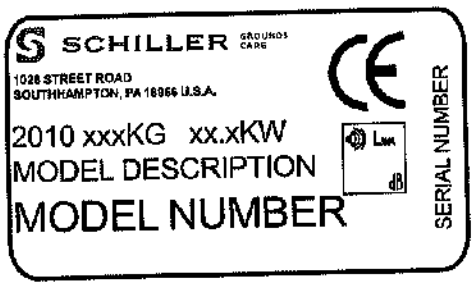
WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

⚠ CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices or property damage.

CAUTION

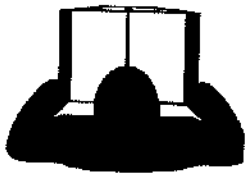
CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **MAY** result in property damage.



MODEL NUMBER: This number appears on sales literature, technical manuals and price lists.

SERIAL NUMBER: This number appears only on your machine. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.

Machine Preparation



Operator preparation and training
Read the Operation & Safety Manual

- If an operator or mechanic cannot read English, it is the owner's responsibility to explain this material to them. If any portion of this material is unclear, contact your factory representative for clarification.
- Become familiar with the safe operation of the equipment, operator controls and safety signs. Be prepared to stop the engine quickly in an emergency. Do not operate or allow another person to operate this machine if there are any questions about safety.
- All operators and mechanics should be trained. The owner is responsible for training the users.
- Wear appropriate clothing, including safety goggles or safety glasses with side shields when operating. Do not operate barefoot or wearing open sandals. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Wear hearing protection.
- Operate only in daylight or good artificial light.
- Wear safety glasses.
- Never allow underage children, unskilled or improperly trained people to operate this equipment. Local regulations can restrict the age of the operator.
- Keep warning labels and this operator's manual legible and intact. Replacement labels and manuals are available from the factory.
- Do not operate machine while under the influence of drugs or alcohol.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.
- Be sure you know how to stop the aerator at a moments notice.

Site preparation and circumstances

- Evaluate the terrain to determine how to safely perform the job. Only use accessories and attachments approved by the manufacturer.
- Clear the area to be aerated of objects such as rocks, toys, wire or other debris that may be thrown or get tangled in the aerator.
- Identify and mark objects to be avoided such as sprinkler heads, stakes, water valves, etc.
- Be sure the area is clear of pets and people, especially young children. Never assume they will remain where you last saw them. Stop the machine if any enter the area.
- Aerate only in daylight or in good artificial light.

Machine Preparation

- Do not tamper with or defeat safety devices. Keep guards, shields and interlock safety devices in place and in proper working condition. They are for your protection.
- Keep all fasteners such as nuts, bolts and pins well secured.
- Visually inspect tines for wear or damage. Replace worn or damaged tines and bolts.
- Verify that machine and attachments, if any, are in good operating condition.
- Do not engage tines until ready to aerate.

OPERATING SAFELY

In General

- Use extra care when loading or unloading the machine into a trailer or truck. Never pick up or carry the machine when the engine is running.
- Use caution when making turns and crossing roads and sidewalks. Stop tines when not aerating.
- Do not run the engine in an enclosed area where dangerous carbon monoxide fumes can collect.
- Never leave a machine unattended. Always turn off tines and stop engine when leaving the operator position.
- Use extreme caution when reversing or pulling machine towards you.
- Clean/remove debris from mufflers and engine to help prevent fires.

Operating On Slopes

Use Extra Care When Working On Slopes

- Do not operate on slopes if uneasy or uncertain. Ultimate responsibility for safe operation on slopes rests with the operator.
- Do not operate on steep slopes.
- Keep all movement on slopes slow and gradual.
- Do not aerate near drop-offs, ditches or embankments. The machine could suddenly turn over if a wheel runs over the edge or an edge caves in.
- Do not turn on slopes unless necessary, and then turn slowly and downhill when possible.
- Be sure of your footing on slopes.

Interrupting Operation

- Before leaving the operator's position:
  — Park on level ground.
  — Release control handle.
  — Shut off the engine.
- Release control handle and lift up on the tine lowering handle:
  — when not aerating;
  — for transport;
  — when crossing surfaces other than grass.
- Release control handle, wait until tines stop moving and stop engine:
  — before refueling;
  — before making tines adjustment.
- Release control handle, wait for tines to stop, stop the engine and disconnect spark plug wires:
  — before clearing blockages;
  — before checking, cleaning or working on the machine;
  — after striking a foreign object. Inspect the machine for damage and make repairs before restarting;
  — if the machine begins to vibrate abnormally: shut off machine immediately. Inspect and make repairs as needed before restarting;
  — except for repairs or adjustments as specifically noted, such as for carburetor adjustment, where the engine must be running. Keep hands and feet clear of moving parts in these circumstances.
- Allow the tines to come to a complete stop when stopping operation to clear blockages, unclog, inspect the machine, do maintenance or repair.
- Reduce the throttle setting during engine shut-down and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of operation. Refer to Page 12

MAINTENANCE SAFETY

In general

- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best results.
- Park machine on level ground.
- Never allow untrained personnel to service machine.
- Guards should only be removed by qualified maintenance technician for maintenance/service. Replace when work is complete.
- Adjust or repair only after the engine has been stopped and the tines has stopped moving.
- Disconnect spark plug wire(s) before doing any maintenance.
- Replace parts if worn, damaged or faulty. For best results, always replace with parts recommended by the manufacturer.
- Do not dismantle the machine without releasing or restraining forces which may cause parts to move suddenly.
- Provide adequate support, e.g. jack stands for lifted machine or parts if working beneath.
- Do not put hands or feet near or under rotating parts.
- Clean up spilled oil or fuel thoroughly.
- Replace faulty mufflers.
- To reduce fire hazards, keep the engine, muffler, and fuel storage area free of grass, leaves, debris

buildup or grease.

Tines

The aerator tines are sharp and can cut. Use extra caution when handling. Remove obstructions with care. Wrap the tines or wear gloves.

- Only replace tines. Never straighten or weld.
- Keep other persons away from tines.

Fuel

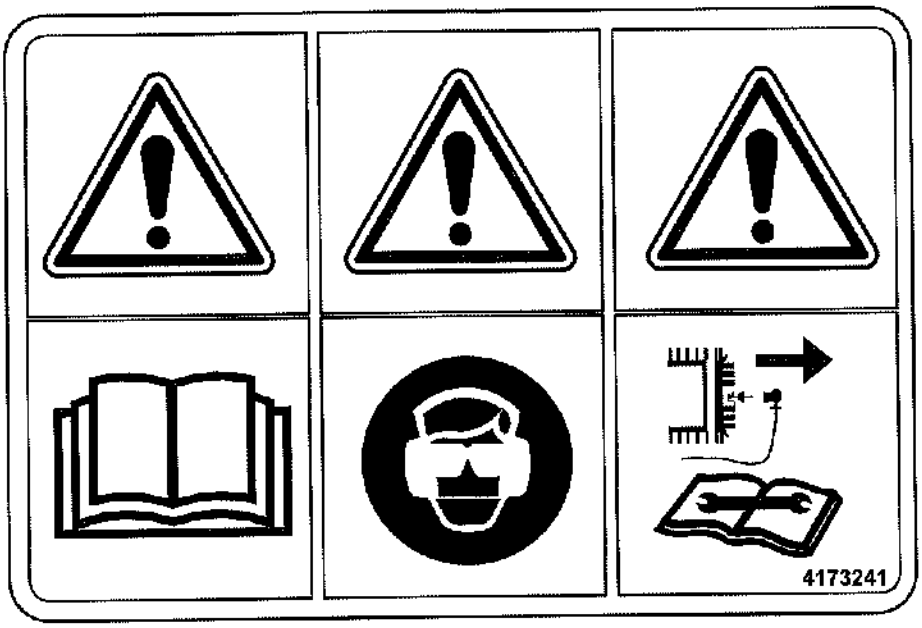
- Petrol (gasoline) and diesel fuels are flammable; petrol (gasoline) vapors are explosive. Use extra care when handling.
  - Store only in containers specifically designed for fuel.
  - When refueling or checking fuel level:
  - Stop the engine and allow to cool;
  - Do not smoke;
  - Refuel outdoors only;
  - Use a funnel;
  - Do not overfill;
  - If fuel is spilled, do not attempt to start the engine until the spill is cleaned up and vapors have cleared.
  - Replace caps on fuel containers and tanks securely.

Sparks from static electricity can start fires or cause explosions. Flowing fuel can generate static electricity. To prevent static electricity sparks:

- Keep fuel containers electrically grounded. Do not fill containers in a vehicle or on a truck or trailer bed with a plastic liner. Fill containers on the ground away from the vehicle.
- When practical, remove petrol (gas) powered equipment from the truck or trailer and refuel it on the ground. If equipment must be refueled on the truck or trailer, refuel from a portable container rather than a dispenser nozzle.
- Keep the dispenser nozzle in contact with the rim of the fuel tank or container opening until fueling is complete. Do not use a nozzle lock-open device.

Storage Safety

- Stop the engine and allow to cool before storing.
- Drain the fuel tank outdoors only.
- Store fuel in an approved container in a cool, dry place.
- Keep the machine and fuel containers in a locked storage place to prevent tampering and to keep children from playing with them.
- Do not store the machine or fuel container near heating appliances with an open flame, such as a water heater, or an appliance with a pilot light.
- Keep gasoline storage area free of grass, leaves and excessive grease to reduce fire hazard.
- Clean grass and debris from cutting units, drives, mufflers and engine to help prevent fires.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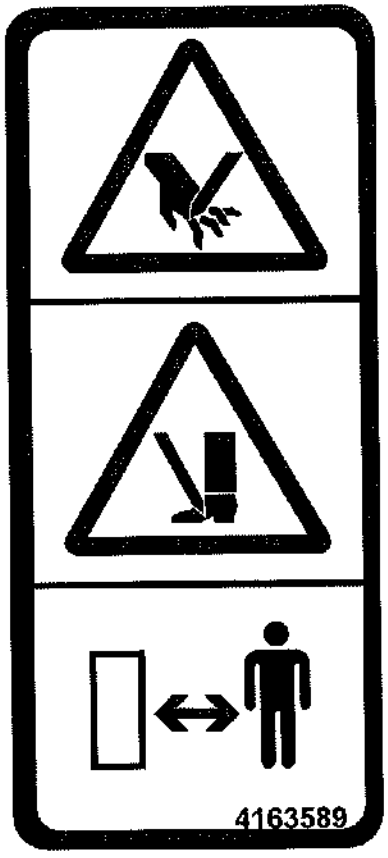
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AERATOR

FUEL SHUT OFF (A) - Move to the "OFF" position to shut off the fuel whenever transporting the machine by trailer, truck or during storage. Move to the "ON" position before starting the engine.

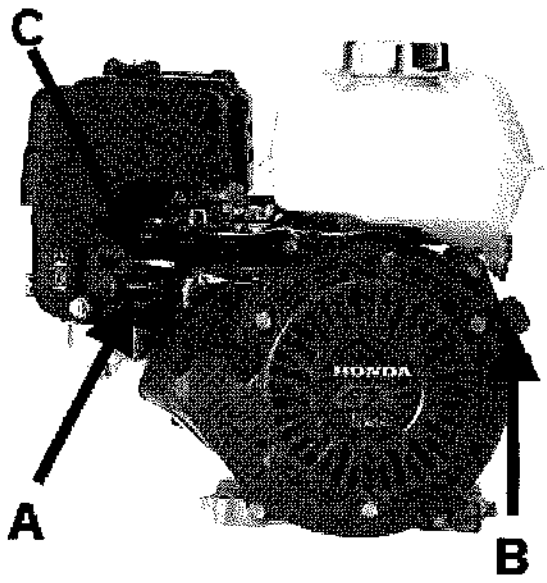
SWITCH (B) -
Move to the "OFF" position to stop the engine.
Move to the "ON" position before starting engine.

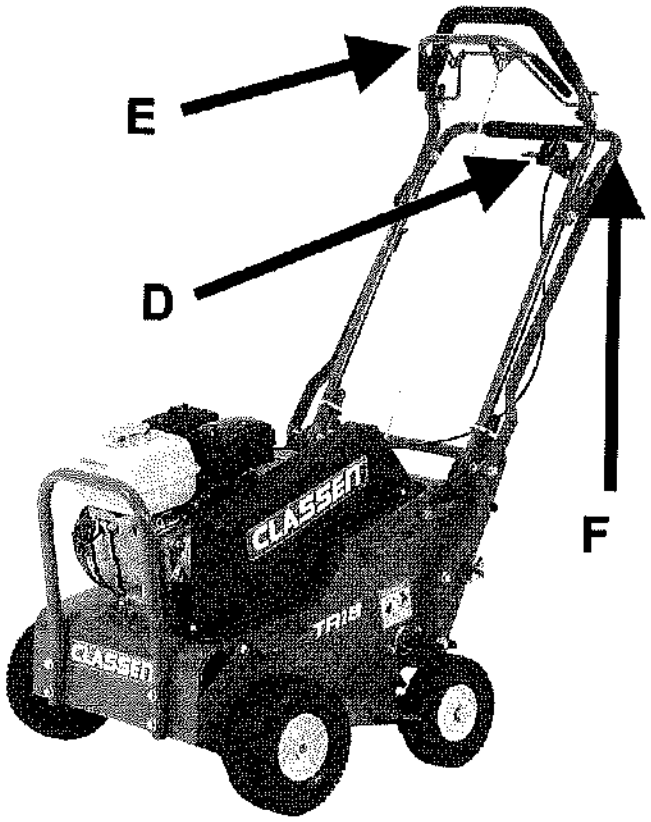
CHOKE (C) -
Move to the "CHOKE" position to apply the choke.
Move to the "RUN" position to remove the choke.

THROTTLE (D) - Push throttle forward.

CONTROL HANDLE (E) -
Squeeze control handle completely to engage wheels and tines to propel unit forward.

TINE HANDLE (F) - Push down on the tine lowering handle to place tines in the turf. Pull up on the tine handle to raise the tines out of the turf for transport.





PRE-OPERATION CHECK LIST
(Operator's responsibility)

- Review and follow all safety rules and safety decal instructions.
- Check that all safety decals are installed and in good condition. Replace if damaged.
- Check to make sure all shields and guards are properly installed and in good condition.
- Check that all hardware is properly installed and secured.
- Check to be sure engine is free of dirt and debris. Pay particular attention to the cooling fins, governor parts and muffler. Clean air intake screen. Check air cleaner; service if necessary.
- Inspect area. Remove stones or other hard objects that might cause damage.
- Check that there are no underground utilities and sprinkler heads in work area.
- Check all lubrication points and grease as instructed in manual.
- Perform a functional check of the safety interlock system each time you operate the unit. If it doesn't work, repair before using the machine.

READ SAFETY SIGNS

⚠ WARNING

ALL GUARDS MUST BE IN PLACE WHILE MACHINE IS IN OPERATION.

⚠ WARNING

KEEP HANDS AND FEET AWAY FROM MOVING PARTS.

BEFORE STARTING THE ENGINE

1. Be familiar with the controls, how each functions, and what each operates.
2. Check engine oil level. Add oil if necessary, following the engine manufacturer's recommendations. Refer to engine manual supplied with machine.

   Engine Oil Level Check
   a. BEFORE CHECKING ENGINE: make certain the engine is level and the engine switch is in the OFF position.
   b. Remove the filler cap/dipstick and wipe it clean.
   c. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
   d. If the oil level is low, fill to the edge of the oil filler hole with the recommended oil. SAE 10W-30 is recommended for general use. Refer to engine oil recommendations in engine manual for other viscosities and information.
   e. Screw in the filler cap/dipstick securely.
3. If applicable, check engine crankcase and gear reduction case oil levels with the engine resting in a level position. Add oil if necessary. (Refer to engine manufacturer's manual for the correct type and amount of oil.)
4. Open the fuel valve.
5. Fill the fuel tank with the amount and type of fuel recommended by the engine manufacturer.

Start Engine Safely

Make sure hands and feet are out of the way of moving parts when starting engine.

Starting Engine

1. Turn fuel cock to the "open" position.
2. Turn choke on (closed).
3. Turn ignition switch to "on".
4. Pull recoil starter rope until engine starts.
5. After engine is warm, turn off choke (open).
6. Allow engine to run one minute before aerating.
7. Check engine rpm setting before operating. DO NOT exceed 3600 rpm.

Transporting Aerator

1. Raise tines before transporting unit across surfaces or before transporting from one work area to another by lifting up on the lowering handle.
2. Turn choke on (closed).
3. Turn ignition switch to "on".
4. Pull recoil starter rope until engine starts.
5. After engine is warm, turn off choke (open).
6. Allow engine to run one minute before aerating.
7. Check engine rpm setting before operating. DO NOT exceed 3600 rpm.

AERATOR

⚠ WARNING

Operating Aerator

1. Start engine.
2. Make sure the rear wheels are in the down position (tines not touching ground) by lifting upwards on the lowering handle. Slowly pull back on the control handle(s). Figure 1

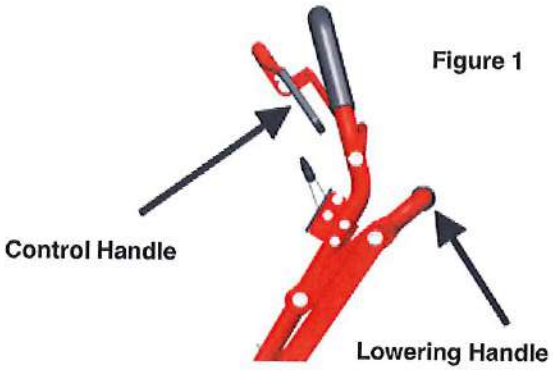


Figure 1

3. Move aerator to the work area.
4. Release control handle and push down on lowering handle putting tines in the turf.
5. Pull back slowly on the control handle to begin aerating. For maximum penetration into turf, apply downward pressure on main handle. This model has three tine hubs that drive independently to allow for easier turning.
6. When finished aerating, release control handle, wait for tines to stop moving, pull up on lowering handle to remove tines from turf and move wheels into transport position.

Stopping Engine

1. Release control handles.
2. Reduce the throttle setting to minimum.
3. Turn off ignition switch.

AERATOR

Practice Safe Maintenance

Keep all machine parts in good condition and fastened in place. Fix damages immediately. Replace worn or broken parts. Whenever you work on the machine, disconnect spark plug wire. When replacement parts are required, use genuine Schiller Grounds Care, Inc. parts or parts with equivalent characteristics, including type, strength and material. Failure to do so may result in product malfunction and possible injury to the operator and/or bystanders.

Carbon monoxide present in the exhaust is an odorless and deadly gas. Never start or run the engine inside where exhaust fumes can collect.

Provide enough fresh air to keep fumes from getting too strong. Replace any warning decal that becomes illegible immediately.

AERATOR MAINTENANCE

TO KEEP THE AERATOR IN GOOD OPERATING CONDITION, PERFORM THE FOLLOWING:

- When replacement parts are required, use genuine Classen parts or parts with equivalent characteristics including type, strength, and material. Failure to do so may result in product malfunction and possible injury to the operator and/or bystanders.
- Any warning decal that becomes illegible should be replaced immediately.
- Do not operate equipment without shield(s) in place. Do not make any adjustments or perform any maintenance while the engine is running.
- Thoroughly clean all tines inside and out when aerating is completed and apply a light coat of oil to prevent rust on tines.
- Always lubricate Aerator each time it is put into service. Wipe off lubrication fittings before and after each lubrication. The number of lubrication fittings vary depending on model of Aerator.
- Keep drive belt(s) free of oil and dirt.

⚠ WARNING ⚠

SAFETY WARNING: TO PREVENT POSSIBLE EXPLOSION OR IGNITION OF VAPORIZED FUEL, DO NOT STORE EQUIPMENT WITH FUEL IN TANK OR CARBURETOR OR NEAR OPEN FLAME (I.E. FURNACE, WATER HEATER, PILOT LIGHT).

STORAGE INSTRUCTIONS

Before the Aerator is put into storage for any period exceeding 30 days, the following steps should be taken.

1. Drain all fuel from fuel tank and fuel lines.
2. Start engine and run until all fuel is used from carburetor float bowl.
3. While engine is still warm, drain the crankcase oil and replace with the proper weight oil corresponding to the season the Aerator will next be used.
4. Remove the spark plug and squirt a small quantity of engine oil into the cylinder. Turn the engine over a few times to distribute that oil.
5. Lubricate all lubrication fittings.

To put Aerator into operation after extended storage:

1. Check for loose parts and tighten if necessary.
2. Check for cracked or broken tines and replace.
3. Fill fuel tank.
4. Check engine and gear reduction case oil levels (with engine in a level position).
5. Start engine.
6. Check for fuel leaks.
7. Check operation of control handle to make sure unit stops when lever is released forward.
8. Aerator is equipped with fuel shut-off valve, close valve before transporting.

EC Declaration of Conformity 5416.

P/N 4174684 Rev A

The Undersigned Manufacturer:
Schiller Grounds Care, Inc.
1028 Street Road
Southampton, PA 18966

Rob Kurzyna
Director of Operations
Date: 2nd February 2017

EU Authorized Representative
Technical File Holder:
Earlsmere Limited
Unit 18 Valley Road
Station Road Industrial Estate
Wombwell, Barnsley, South Yorkshire, S73 OBS UK

Jim White
Managing Director
Date: 2nd February 2017

Declare that the machine described below:
Make & Type..... Classen
Category.....Aerator
Series.....TA18HE
Engine.....Honda GX120
Speed.....3600 rpm
Net installed power.....2.6kW (3.5HP)

Complies with the provisions of the following European Directives, Amendments and the Regulations transposing it into national law.

Directives/Harmonized Standards

Machinery Directive 2006/42/EC
ISO 12100: 2010 (Supersedes ISO 12100-1-2003+A1:2009)
EMC Directive: 2014/30/EU
Noise in the Environment Directive 2000/14/EC
Vibration Directive 2002/44/EC
Pedestrian controlled Aerators and Scarifiers..... EN 13684
Non Road Emissions 97/68/EC; 2012/46/EU

Sound:

Sound levels were determined in accordance with Directives 2000/14/EC and EN ISO 3744:2010.

Guaranteed Sound Power Level ..... **102 dB** **Model TA18HE**

Sound Pressure..... **90 dB** **Model TA18HE**

Vibration:

Hand/arm vibration was measured at the right and left operator handles as per ISO 5349-1-2001 and ISO 5349-2-2001. Only the highest of the left and right readings is given. Levels were calculated using ISO/DIS 5395-1, in accordance with 2002/44/EC.

Guaranteed Vibration Level..... **3.6 m/s²** **Model TA18HE**

Intended Use and Limits:

This machine is intended for aerating of turf areas.

AERATOR

LUBRICATION
Grease the three tine bearings at the start of the season and every 25 hours.

ENGINE MAINTENANCE
(Refer to engine manufacturer's owners manual) Check engine and gear reduction case oil level with engine resting in a level position. Inspect air filter element and service/replace if necessary.

CLUTCH CABLE
The belt should be fully de-clutched from the engine pulley when bail is released. If cable needs to be tightened, remove nut on bail and raise connecting bolt to the 2nd or 3rd hole as seen in **Figure 2.**

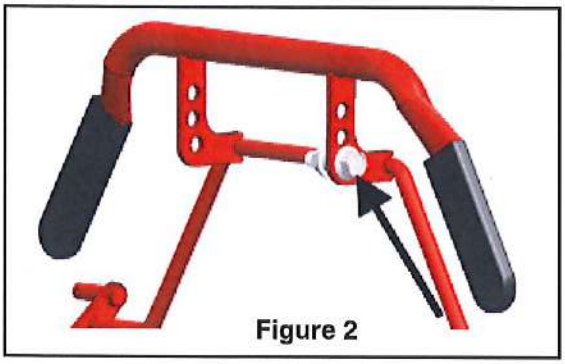


Figure 2

CHAIN
The roller chain should have 1/8" - 1/4" deflection at the center point between the rear tine shaft sprocket and the front wheel shaft sprocket. To adjust, tighten or loosen the 3/8" bolt under the pulley guard as seen in **Figure 3.**

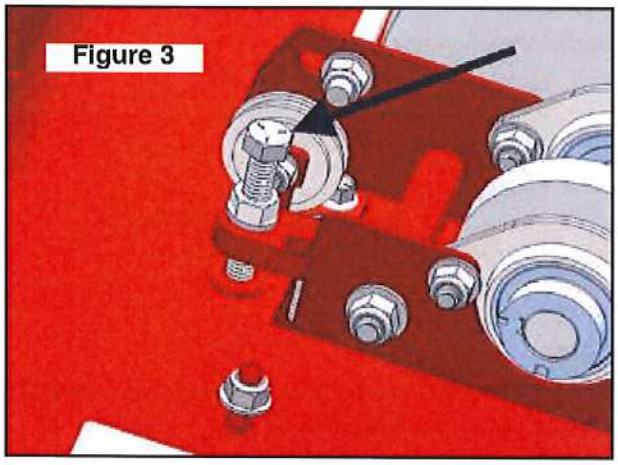


Figure 3

TINE DEPTH CONTROL
The depth control that the tine can penetrate the ground can be controlled using the depth control bolts on both sides of the unit as shown in **Figure 4.** Set both bolts to the desired depth by turning nylock nut to proper location and locking in with the other nut. Depth can be set from 1-1/4" to 3".

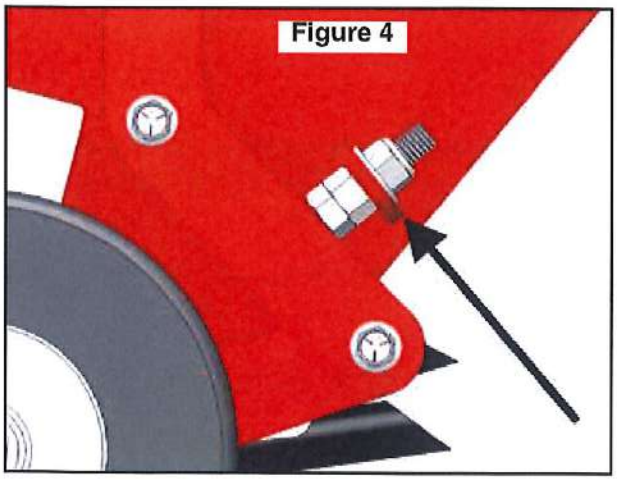


Figure 4

PARTS SECTION

MAIN ASSEMBLY

AERATOR

FIGURE 1

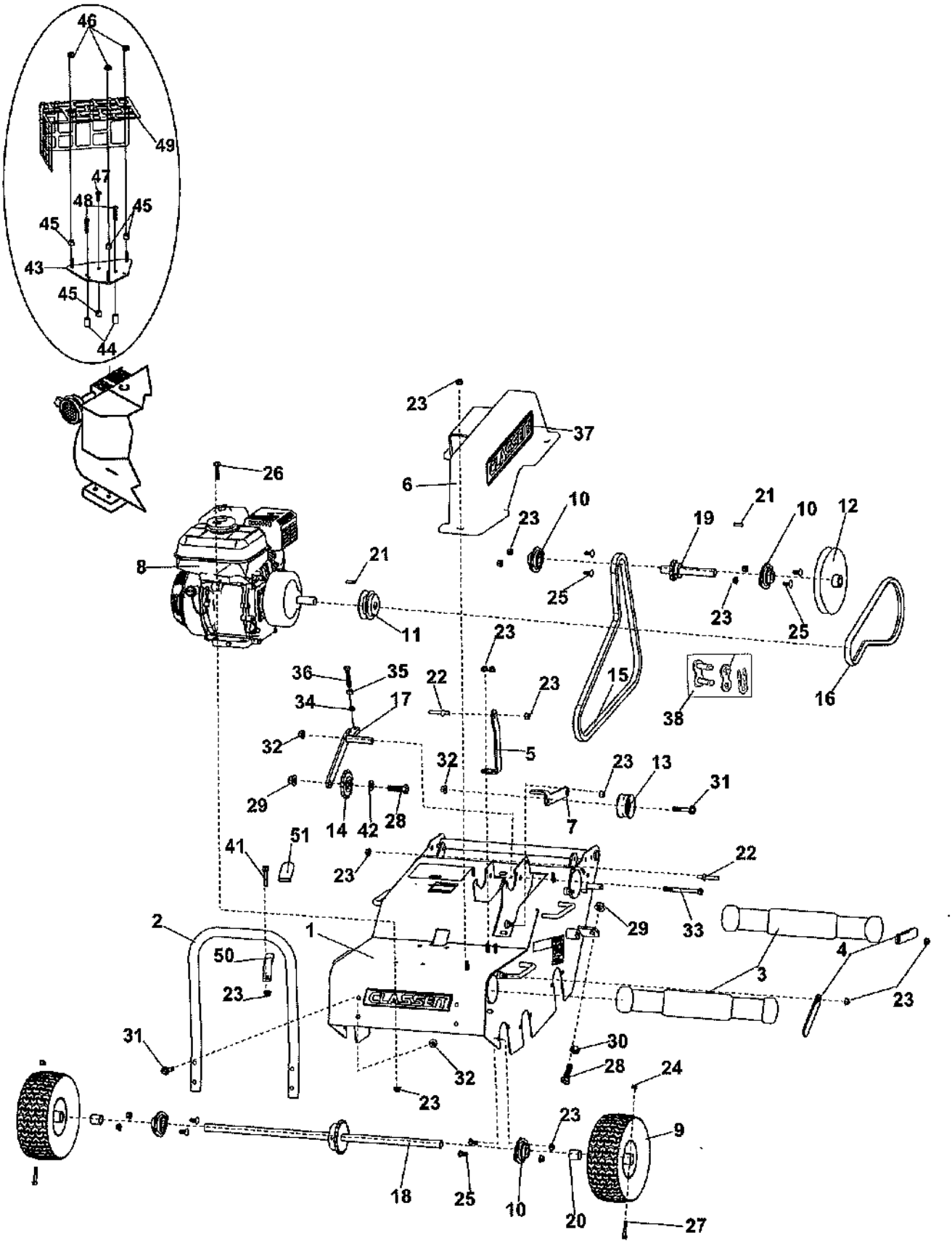


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FIGURE 1

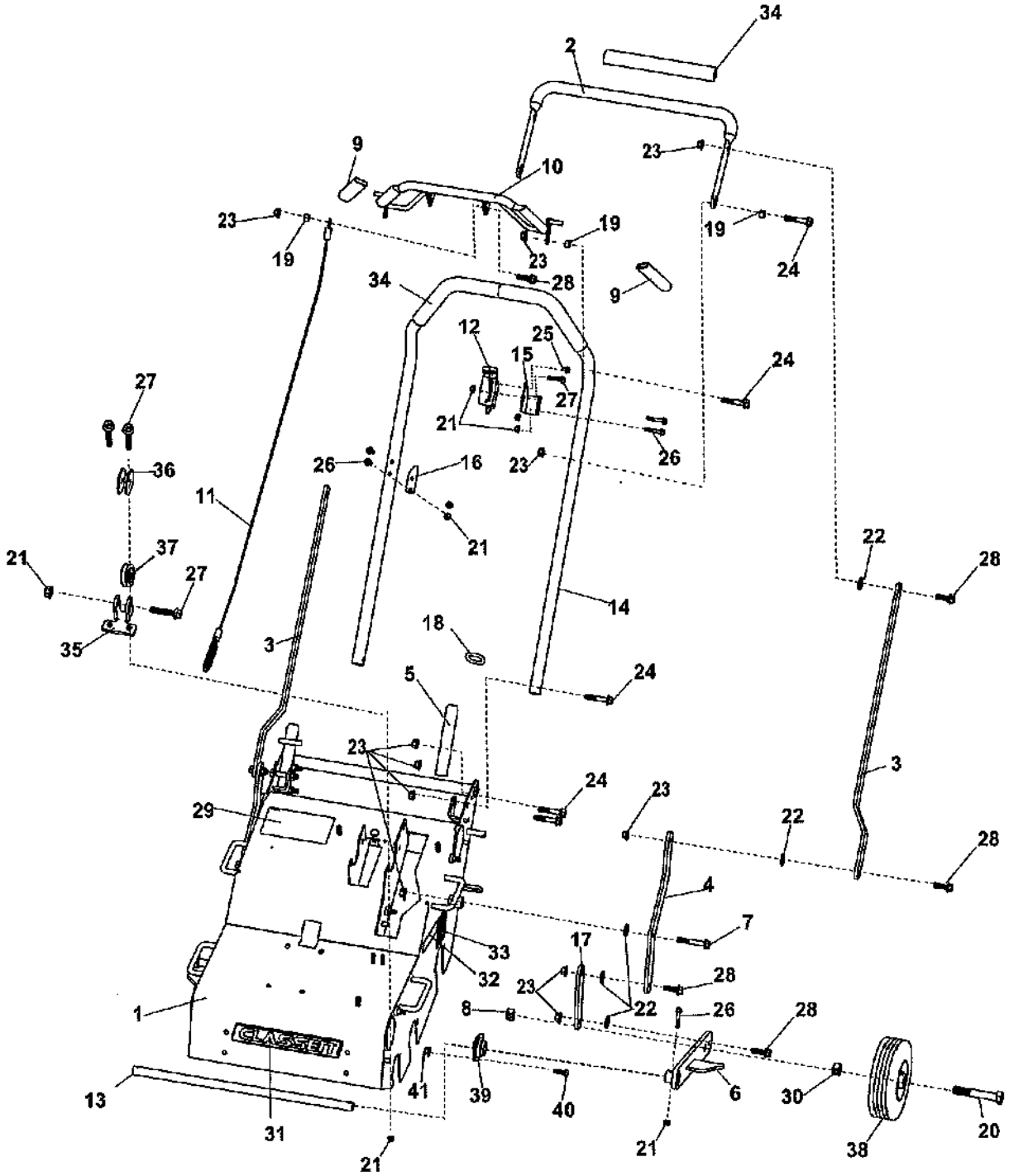
ITEM	PART NO.	DESCRIPTION	QTY
1	4174506	S-DECK ASSEMBLY TA18HE	1
2	4179291.17	BUMPER FRONT	1
3	4171971	WEIGHT, 2.7" x 17.25"	2
4	4171955.17	WEIGHT STOP SWING ARM	2
5	4171956.17	BELT GUARD TAB	1
6	4173220	S-PULLEY GUARD ASSEMBLY (INCLUDES ITEM 37)	1
7	4171970.17	ARM, BELT TIGHTENER	1
8	C100037	ENGINE, 4.0 H.P. HONDA	1
9	4171890	WHEEL, 9/350 X 4	2
10	4172665	BEARING - 3/4" SET	4
11	C100420	PULLEY 3"	1
12	4172664	PULLEY - BK72-3/4	1
13	C100010	PULLEY, IDLER	1
14	C100043	SPROCKET, #40x17x1/2 IDLER	1
15	4173083	CHAIN, #40 X 111 PITCH	1
16	4173082	BELT -AK34	1
17	4173077.17	WLDMT-CHAIN TENSIONER	1
18	4171998	AXLE SHAFT WITH SPROCKET	1
19	4171995	WLDT -7" SHAFT W/ SPROCKET	1
20	4172650.17	SPACER, 1"OD x .12"WALL x 1"L	2
21	C500011	KEY, 3/16 SQUARE X 1	2
22	4172651	STUD - BELT DECLUTCHING	2
23	94268-02	NUT-FL NYLON LOCK 5/16-18	23
24	94268-01	NUT-FL NYLON LOCK 1/4-20	2
25	94018-9	BLT-CRG 5/16-18 X 3/4	8
26	94262-009	BLT-FLG HD 5/16-18 X 1-1/2	4
27	94262-005	BLT-FLG HD 1/4-20 X 1-1/2	2
28	C500174	BOLT, 1/2-13 x 1-3/4	3
29	94268-05	NUT-FL NYLON LOCK 1/2-13	3
30	C500106	NUT, 1/2-13	2
31	94262-014	BLT-FLG HD 3/8-16 X 2	5
32	94268-03	NUT-FL NYLON LOCK 3/8-16	6
33	C500289	BOLT, 3/8 x 4	1
34	C500130	WASHER, 3/8 Lock	1
35	C500129	NUT, 3/8-16	1
36	C500300	BOLT - 3/8-16 X 2 FULL THREAD	1
37	4170316	LABEL-CLASSEN, RED	1
38	C100025	LINK-#40 CONNECTING	1
39*	B222522	DEFLECTOR, EXHAUST	1
40*	4169766	SCREW-TAPPING #6 X 1/2	2
41	94262-019	BLT-FLG HD 5/16-18 X 1-3/4	1
42	C500034	WASHER, 1/2 FLAT	1
43	910156	MUFFLER PLATE HONDA	1
44	910158	STANDOFF 5/8	2
45	910159	STANDOFF 5/16	4
46	910531	NUT WIZ FLANGE 10-24	3
47	910532	SCREW SELF TAPPING M5 X 16	1
48	910533	SCREW SELF TAPPING M5 X 25	2
49	4164805.7	MUFFLER GUARD-4HP HONDA	1
50	C300081	WEIGHT STOP	1
51	C100007	GRIP-BRAKE	1

*NOT ILLUSTRATED

HANDLE & CONTROL ASSEMBLY

AERATOR

FIGURE 2



AERATOR

HANDLE & CONTROL ASSEMBLY

FIGURE 2

ITEM	PART NO.	DESCRIPTION	QTY
1	4174506	S-DECK ASSEMBLY TA18HE (INCLUDES ITEMS 29-33)	1
2	4173218	S-TA18 HANDLE LIFT ASSEMBLY (INCLUDES ITEM 34)	1
3	4179293.17	ARM LINKAGE	2
4	4171958.17	LIFT HANDLE PIVOT	2
5	4171952.17	HANDLE ATTACHMENT BAR	2
6	4171969.17	WLDT - AXLE SUPPORT	2
7	94262-025	BLT-FLG HD 3/8-16 X 2-1/2	2
8	64229-16	NUT-NYLON LOCK 5/8-11	2
9	C100007	GRIP	2
10	4173219	S-TA18 BAIL ASSEMBLY (INCLUDES ITEM 9)	1
11	4179294	S-TA18 CABLE ASSEMBLY	1
12	4166170-05	CABLE-THROTTLE 38"	1
13	4172636	ROD, TA-18 PIVOT BRACE	1
14	4177732	S-TA18 HANDLE ASSEMBLY (INCLUDES ITEM 34)	1
15	4172038.17	BRACKET THROTTLE CABLE	1
16	4172558.17	HANDLE HOOK	1
17	4171960.17	BAR, REAR WHEEL SUPPORT	2
18	C100251	RING-HANDLE LOC`K	2
19	4172652	SPACER - 9/16 OD x 3/8 ID x 3/8 L	5
20	C500301	BLT, 5/8-11 x 4-1/2	2
21	94268-01	NUT-FL NYLON LOCK 1/4-20	10
22	4172961	WASHER-UHMW PE 3/8" x 1"	10
23	94268-03	NUT-FL NYLON LOCK 3/8-16	21
24	94262-014	BLT-FLG HD 3/8-16 X 2	10
25	64152-23	SCREW-SP 1/4-20X3/8	1
26	94262-005	BLT-FLG HD 1/4-20 X 1-1/2	6
27	94262-004	BLT-FLG HD 1/4-20 X 1-1/4	4
28	94262-012	BLT-FLG HD 3/8-16 X 1-1/4	9
29	4173241	LABEL, CE WARNING	1
30	C500302	NUT-JAM 5/8-11	2
31	4170717	DECAL-SM CLASSEN FLAT	1
32	4172917	LABEL- TA-18	2
33	4163589	LABEL-CHF VERT EU	2
34	4173160	GRIP - 1" X 10"	3
35	C300107	BRKT-PULLEY MOUNTING	1
36	C500164	WSHR-1/4" FENDER	2
37	C100270	PULLEY, CLUTCH CABLE	1
38	C100031	TIRE ASSY, 8" REAR	2
39	4172665	BEARING - 3/4" FLUSHMOUNT	2
40	94018-9	BLT-CRG 5/16-18 x 3/4	4
41	94269-02	NUT FL NYLON LOCK 5/16-18	4

ITEM	PART NO.	DESCRIPTION	QTY

TINE ASSEMBLY

AERATOR

FIGURE 3

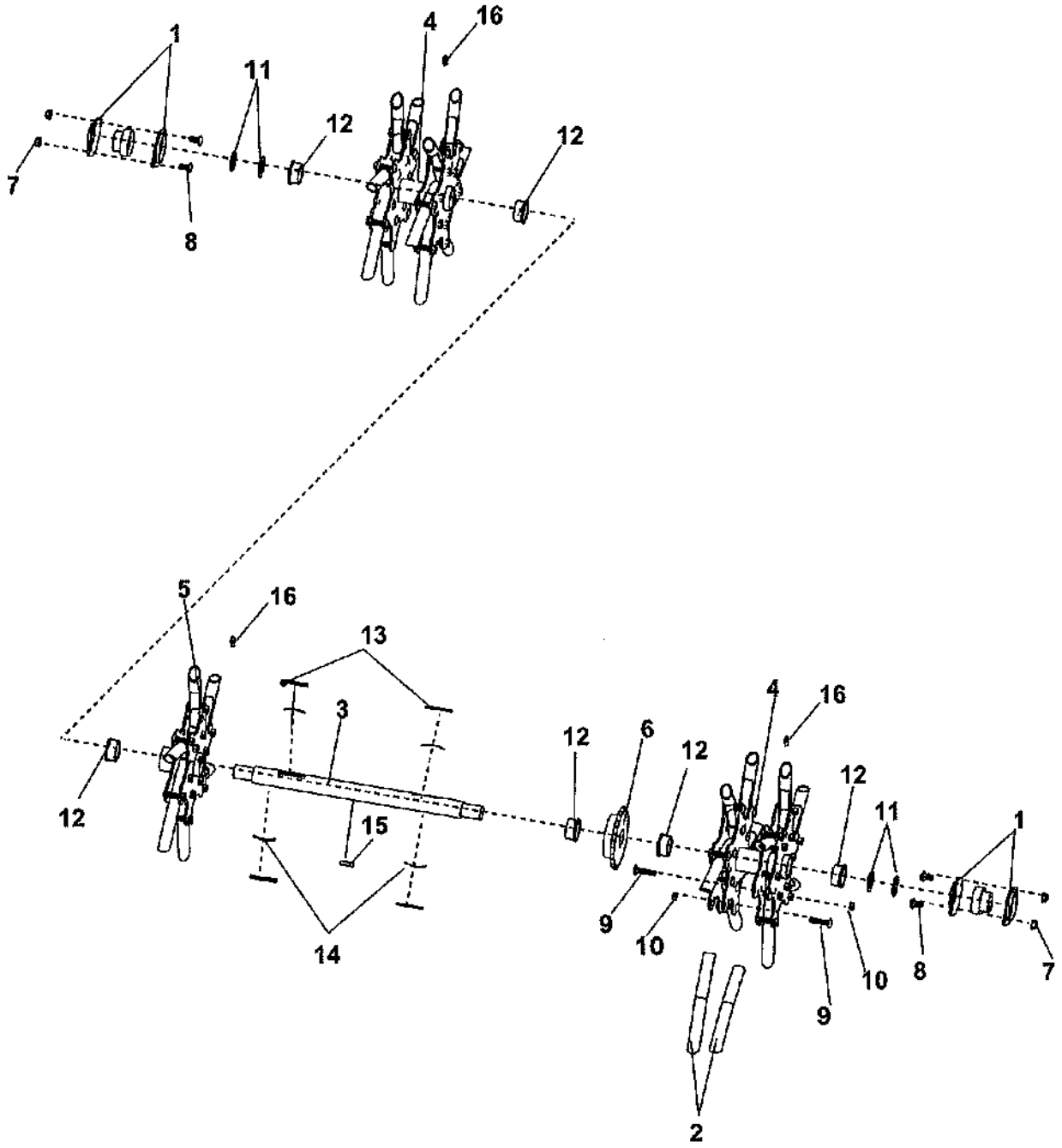


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FIGURE 3

ITEM	PART NO.	DESCRIPTION	QTY
1	4172666	BEARING - 1" FLUSHMOUNT SET	2
2	C100032	TINE, PLUGGING	30
3	4173028	SHAFT-TINE TA18H	1
4	4173027.7	WLDMT-HUB ASSY,DOUBLE	2
5	4173030.7	WLDMT-HUB ASSY, CENTER	1
6	4173031	SPROCKET, 28 TEETH #40 1.25"ID	1
7	94268-02	NUT-FL NYLON LOCK 5/16-18	4
8	94018-9	BLT-CRG 5/16-18 X 3/4	4
9	94018-34	BLT-CRG 5/16-18 X 1-1/2	60
10	C500169	NUT, 5/16-18 LOCK	60
11	64163-64	WSHR 1.015X1.500X14GA	4
12	4171760	BUSHING-FLANGED	6
13	4171756	KEY-OVERRUN	4
14	4171757	SPRING-LEAF	4
15	C500004	KEY-1/4 X 1 SQUARE	1
16	85010N	ZERK 1/4-28 STR SELF THREAD	3
17	4173377	S-TA1718H TINE SHAFT ASSY (INCLUDES ITEMS 1-16)	1

ITEM	PART NO.	DESCRIPTION	QTY

CLASSEN®

2 YEAR LIMITED SERVICE AND WARRANTY POLICY

Schiller Grounds Care, Inc.

1028 Street Road • Southampton, PA 18966

Telephone: 1-800-366-6268

TWO YEAR LIMITED WARRANTY

Effective April 1, 2007

For the period of two years from the date of purchase, CLASSEN will repair or replace for the original purchaser free of charge, any part or parts found upon the examination of our factory authorized service station, or by the factory in Southampton, PA to be defective in material or workmanship. All transportation charges on parts submitted for repair or replacement under this warranty shall be borne by the purchaser.

This warranty does not include engines or engine parts, tires, batteries, or gearboxes that are covered under separate warranties furnished by their manufacturer or supplier, nor does it include normal maintenance parts, including but not limited to, spark plugs, points, filters, blades/tines, and lubricants.

All service under this warranty will be furnished or performed by our factory authorized service stations.

There is no other expressed warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to two years from the date of purchase and to the extent permitted by law, any and all implied warranties are excluded. The above remedy of repair and replacement of defective parts is the purchaser's exclusive remedy for any defect, malfunction or breach of warranty. Liability for incidental or consequential damages under any and all warranties is excluded to the extent permitted by law.

NORMAL RESPONSIBILITIES OF THE SELLER AND THE USER

1. The Distributor or Dealer is responsible for the proper assembly and preparation of the product for delivery to the end user.
2. The User is responsible for reading the Manual and Instructions.
3. The User is responsible for proper operation and maintenance as described in the manual.
4. The User is responsible for the replacement of wear items such as blades/tines, belts, tires, batteries, etc.
5. The User is responsible for damage due to improper operation and maintenance, as well as abuse.

All claims must be received by the factory 30 days after the end of the warranty period to receive warranty consideration.

CLASSEN®

SCHILLER GROUNDS CARE, INC.
1028 STREET ROAD, P.O. BOX 38
SOUTHAMPTON, PA 18966
PHONE 877-596-6337 • FAX 215-357-8045

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