

# COMPACT AERATOR TA18H



MAN 4173161 Rev. B 05-2016

5 SCHILLER

GROUNDS

# PARTS MANUA

# CALIFORNIA Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

#### **A** WARNING

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

# CALIFORNIA Proposition 65 Warning

Battery posts, terminals, wiring insulation, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WASH HANDS AFTER HANDLING.

#### **AERATOR**

#### **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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#### 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.

#### **A** DANGER

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

#### **AWARNING**

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

#### **A**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

#### Schiller Grounds Care, Inc.

1028 Street Road Southampton, PA 18966 U.S.A Phone: 215-357-5110 Fax: 215-357-8045

MODEL NUMBER

SERIAL NUMBER

**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.

#### **AERATOR**

#### 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 have 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 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 (petrol) storage area free of grass, leaves and excessive grease to reduce fire hazard.
- Clean grass and debris from tines, drives, mufflers and engine to help prevent fires.

#### 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.

#### <u>MEASUREMENTS</u>

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.

#### **OWNER'S RECORD**

| DATE PURCHASED        |  |
|-----------------------|--|
|                       |  |
| AERATOR MODEL NUMBER  |  |
| AFDATOD CEDIAL NUMBED |  |
| AERATOR SERIAL NUMBER |  |
| ENGINE MODEL NUMBER   |  |
| LINGING MODEL NOMBER  |  |
| ENGINE SERIAL NUMBER  |  |
| ENGINE SERIAL NUMBER  |  |
|                       |  |

#### 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.

| -    |    |    | ,   | 5 | -, |   |  |
|------|----|----|-----|---|----|---|--|
| DATI | ΞS | ΕT | UP_ |   | /  | / |  |

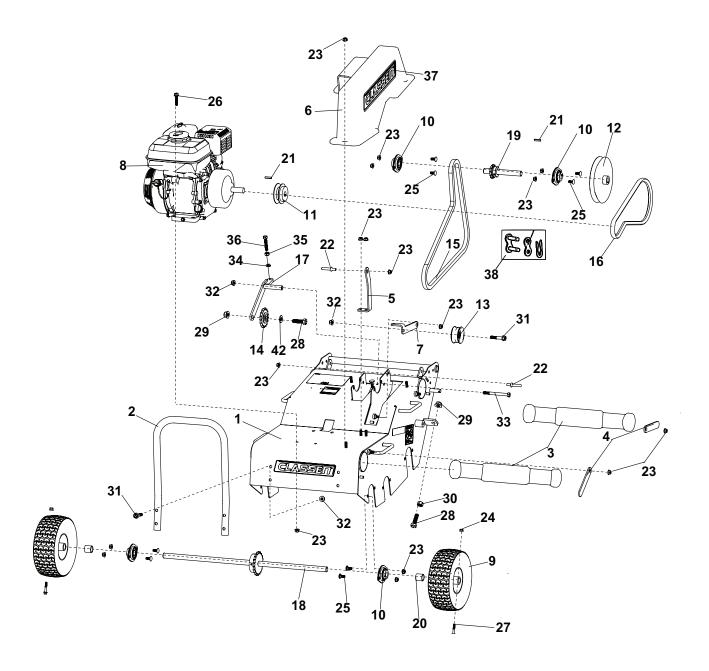
#### **DELIVERY CHECK LIST**

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 | <br>/ <u> </u> | <i></i> |
|----------------|----------------|---------|
| SIGNATURE      |                |         |
|                |                |         |

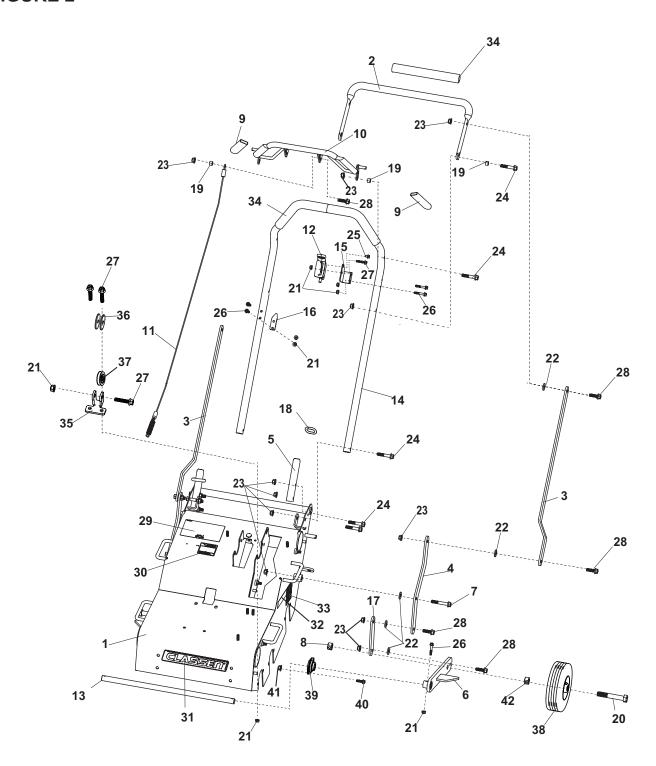
# PARTS SECTION



# AERATOR ===

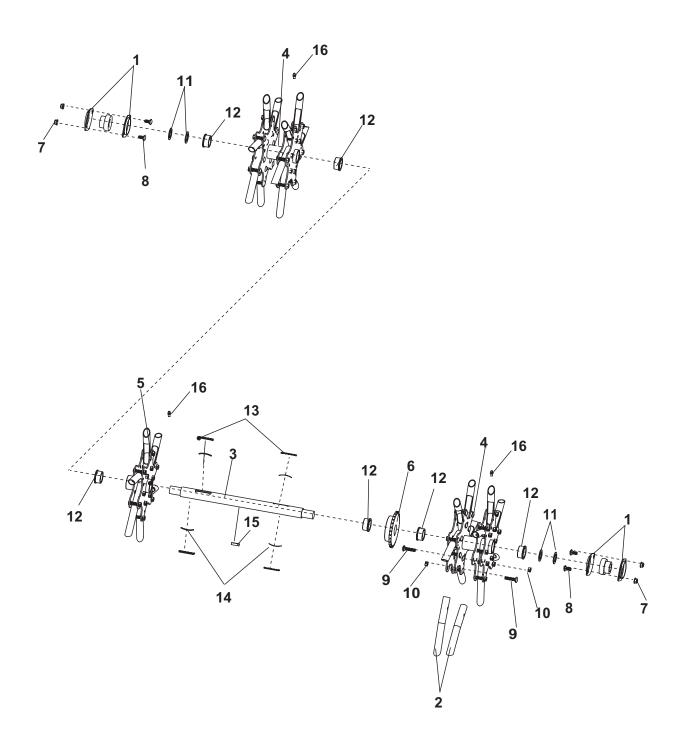
| ITE      | M PART N              | O. DESCRIPTION                                       | QTY     | ITEM | PART NO. | DESCRIPTION | QTY |
|----------|-----------------------|--|---------|------|----------|-------------|-----|
| 1<br>2   | 4173215<br>4171951.17 | S-DECK ASSEMBLY TA18H<br>BUMPER FRONT                | 1<br>1  |      |          |             |     |
| 3        | 4171971               | WEIGHT, 2.7" x 17.25"                                | 2       |      |          |             |     |
| 4        |                       | WEIGHT STOP SWING ARM                                | 2       |      |          |             |     |
| 5        |                       | BELT GUARD TAB                                       | 1       |      |          |             |     |
| 6        | 4173220               | S-PULLEY GUARD ASSEMBLY                              | 1       |      |          |             |     |
|          | (INCLUDES I           | TEM 37)  |         |      |          |             |     |
| 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                           |         |      |          |             |     |
| 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                             |         |      |          |             |     |
| 19       | 4171995               | WLDT -7" SHAFT W/ SPROCKE                            |         |      |          |             |     |
| 20       | 4172650.17            | SPACER, 1"OD x .12"WALL x 1"                         |         |      |          |             |     |
| 21       | C500011               | KEY, 3/16 SQUARE X 1                                 | 2       |      |          |             |     |
| 22<br>23 | 4172651<br>94268-02   | STUD - BELT DECLUTCHING<br>NUT-FL NYLON LOCK 5/16-18 | 2<br>22 |      |          |             |     |
| 24       | 94268-01              | NUT-FL NYLON LOCK 3/10-18                            | 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 THREA                         | D 1     |      |          |             |     |
| 37       | 4170316               | LABEL-CLASSEN, RED                                   | 1       |      |          |             |     |
| 38       | C100025               | LINK-#40 CONNECTING                                  | 1       |      |          |             |     |
| 39*      |                       | DEFLECTOR, EXHAUST                                   | 1       |      |          |             |     |
| 40*      |                       | SCREW-TAPPING #6 X 1/2                               | 2       |      |          |             |     |
|          | 4173396               | BUMPER, TINE ENGAGEMENT                              | 2       |      |          |             |     |
| 42       | C500034               | WASHER, 1/2 FLAT                                     | 1       |      |          |             |     |
|          |                       | *NOT ILLUSTRATED                                     |         |      |          |             |     |

# **AERATOR**



# AERATOR =

| ITE  | M PART N  | Ο.   | DESCRIPTION  | QTY   | ITEM | PART NO. | DESCRIPTION | QTY |
|--|---|--|--|---|------|----------|-------------|-----|
| 1  | 4173215<br>(INCLUDES  |  | K ASSEMBLY TA18H<br>29-33)   | 1   |      |          |             |     |
| 2  | 4173218<br>(INCLUDES  | _  | HANDLE LIFT ASSEMBL'<br>4)   | Y 1   |      |          |             |     |
| 3<br>4<br>5<br>6<br>7<br>8<br>9<br>10  | 4171952.17<br>4171969.17<br>94262-025   | LIFT H.<br>HANDI<br>WLDT<br>BLT-FL<br>NUT-N<br>GRIP<br>S-TA18  | ANDLE PIVOT LE ATTACHMENT BAR - AXLE SUPPORT G HD 3/8-16 X 2-1/2 YLON LOCK 5/8-11  | 2<br>2<br>2<br>2<br>2<br>2<br>2<br>1          |      |          |             |     |
| 11<br>12<br>13<br>14   | 4172636   | CABLE<br>ROD, 7<br>S-TA18  | CABLE ASSEMBLY THROTTLE 41" A-18 PIVOT BRACE HANDLE ASSEMBLY  )  | 1<br>1<br>1                                   |      |          |             |     |
| 15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42 | 4172558.17<br>4171960.17<br>C100251<br>4172652<br>C500301<br>94268-01<br>4172961<br>94268-03<br>94262-014<br>64152-23<br>94262-005<br>94262-004 | HANDI<br>BAR, F<br>RING-I<br>SPACE<br>BLT, 5/<br>NUT-FI<br>WASHI<br>NUT-FI<br>BLT-FL<br>BLT-FL<br>LABEL<br>LABEL<br>LABEL<br>LABEL<br>LABEL<br>TIRE A<br>BEARI<br>BLT-CF<br>NUT FI | KET THROTTLE CABLE LE HOOK REAR WHEEL SUPPORT HANDLE LOC`K RR - 9/16 OD x 3/8 ID x 3/8 8-11 x 4-1/2 L NYLON LOCK 1/4-20 ER-UHMW PE 3/8" x 1" L NYLON LOCK 3/8-16 G HD 3/8-16 X 2 N-SP 1/4-20 X 1-1/2 G HD 1/4-20 X 1-1/4 G HD 3/8-16 X 1-1/4 -READ MANUAL/SPANISH WARNING - HAND PINCH L-SM CLASSEN FLAT - TA-18 -DANGER 1" X 10" PULLEY MOUNTING -1/4" FENDER Y, CLUTCH CABLE SSY, 8" REAR NG - 3/4" FLUSHMOUNT RG 5/16-18 x 3/4 L NYLON LOCK 5/16-18 AM 5/8-11 | 2<br>10<br>10<br>21<br>10<br>1<br>6<br>4<br>9 |      |          |             |     |



# AERATOR =

|   |   |   |   |  |      |          | FIG         | GURE 3 |
|---|---|---|---|--|------|----------|-------------|--------|
| ITI   | M PART                                  | NO.   | DESCRIPTION   | QTY  | ITEM | PART NO. | DESCRIPTION | QTY    |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 | 4171756<br>4171757<br>C500004<br>85010N | TINE,<br>SHAF<br>WLDM<br>SPRO<br>NUT-F<br>BLT-C<br>NUT, (<br>WSHF<br>BUSH<br>KEY-C<br>SPRIN<br>KEY-1<br>ZERK<br>S-TA1 | ING - 1" FLUSHMOUNT S<br>PLUGGING<br>T-TINE TA18H<br>IT-HUB ASSY, DOUBLE<br>IT-HUB ASSY, CENTER<br>ICKET, 28 TEETH #40 1.2<br>FL NYLON LOCK 5/16-18<br>RG 5/16-18 X 3/4<br>RG 5/16-18 X 1-1/2<br>5/16-18 LOCK<br>R 1.015X1.500X14GA<br>ING-FLANGED<br>DVERRUN<br>NG-LEAF<br>I/4 X 1 SQUARE<br>1/4-28 STR SELF THRE.<br>718H TINE SHAFT ASSY<br>UDES ITEMS 1-16) | 30<br>1<br>2<br>1<br>5"ID 1<br>4<br>4<br>60<br>60<br>4<br>6<br>4<br>4<br>1<br>AD 3 |      |          |             |        |



# 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, 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, 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