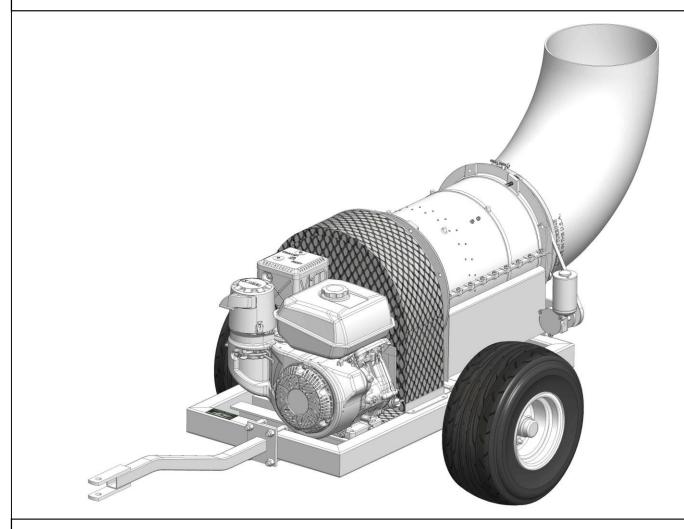
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BUFFALO TURBINE'S BT-CYC8KK ORIGINAL INSTRUCTIONS AND PARTS MANUAL

04/22 -BT MAN

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1.0 INTRODUCTION

Congratulations on your choice of a Buffalo Turbine Debris Blower. This equipment has been designed and manufactured to meet the needs of the Turf Care Industry.

Safe, efficient and trouble-free operation of your Buffalo Turbine Blower requires that you and anyone else, who will be operating or maintaining the Blower, read and understand all of the safety, operation, maintenance and troubleshooting information contained within this Operator's manual.

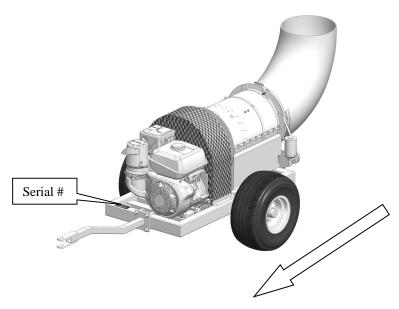
This Manual covers the BT-CYC8KK Turbine Blower.

Keep this manual handy for frequent reference and to pass on to new operators or owners. Call your Buffalo Turbine dealer or distributor if you need assistance, information, or additional copies of the manuals.

SERIAL NUMBER LOCATION

Always give your dealer the serial number of your Debris Blower when ordering parts or requesting service or other information.

The serial number plate(s) is located where indicated in the pictures below. Please document the number in the space provided for easy reference.



OPERATOR ORIENTATION – The directions left, right, front and rear, as mentioned throughout the manual, are as seen from the driver's seat and facing in the direction of travel.

MODEL BT-CYC8KK RIGHT FRONT TOP SURFACE OF FRAME

| · · | · 1 % 7 1 | |
|-----|-------------|--|
| പ | ial Number: | |

2.0 SAFETY

YOU are responsible for the **SAFE** operation and maintenance of your Buffalo Turbine Debris Blower. **YOU** must ensure that you and anyone else, who is going to operate, maintain or work around the Buffalo Turbine Blower be familiar with the operating and maintenance procedures and related **SAFETY** information contained in this manual. This manual will take you step-by-step through your working day and alerts you to all good safety practice while operating the Blower.

Remember **YOU** are the key to safety. Good safety practices not only protect you but also the people around you. Make these practices a working part of your safety program. Be certain that **EVERYONE** operating this machine is familiar with the procedures recommended and follows safety precautions. Remember most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

- Blower owners must give operating instructions to operators or employees before allowing them to operate the Blower, and at least annually thereafter.
- The most important safety device on this equipment is a **SAFE** operator. It is the operator's responsibility to read and understand ALL Safety and Operating instructions in the manual and to follow these. All accidents can be avoided.
- A person who has not read and understood all operating instructions is not qualified to operate the machine. An untrained operator exposes themselves and bystanders to possible serious injury or death.
- Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety which could affect the life of the equipment.
- Think SAFETY! Work SAFELY!

This Safety Alert symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

The Safety Alert symbol identifies important safety messages on the Buffalo Turbine Blower and in the manual. When you see this symbol, be alert to the possibility of personal injury or death. Follow the instructions in the safety message.

Why is SAFETY important to you?



3 Big Reasons: Accidents Disable and Kill
Accidents Cost
Accidents Can Be Avoided

SIGNAL WORDS: Note the use of the signal words **DANGER**, **WARNING** and **CAUTION** with the safety messages. The appropriate signal word for each message has been selected using the following guidelines

- 1. **DANGER** –injury or death if the proper precautions are not taken.
- 2. **WARNING** -- A specific hazard or unsafe practice that COULD result in severe personal injury or death if proper precautions are not taken.
- 3. **CAUTION** Unsafe practices that COULD result in personal injury if proper practices are not taken, or as a reminder of good safety.

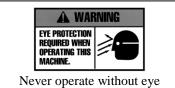
The Safety Alert symbol identifies important safety messages on the Buffalo Turbine Blower and in the manual. When you see this symbol, be alert to the possibility of personal injury or death. Follow the instructions in the safety message.

2.1 SAFETY DECALS

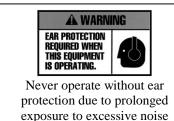
The types of decals on the blower unit are shown below. Good safety requires that you familiarize yourself with the various Safety Decals, the type of warning and the area, or particular function related to that area that requires your **SAFETY AWARENESS.* THINK SAFETY! WORK SAFELY!**

!ATTENTION!

- 1. KEEP HANDS, FEET AND CLOTHING AWAY FROM POWER DRIVEN PARTS.
- 2. STOP ENGINE AND REMOVE KEY BEFORE LEAVING OPERATOR'S POSITION.
- 3. MACHINE MUST COME TO A COMPLETE STOP BEFORE ANY MAINTENANCE, TO INCLUDE ADJUSTING, LUBRICATING OR CLEANING, IS PERFORMED.
- 4. KEEP PEOPLE AND PETS AT SAFE DISTANCE FROM MACHINE.
- 5. KEEP ALL GUARDS AND SHIELDS IN PLACE.



Never operate without eye protection due to blowing debris.





Never operate without guards in place because there are sharp rotating components that will cause serious injury.

REMEMBER – If safety decals have been damaged, removed, become illegible or parts replaced without decals, new decals must be applied. New decals are available from your authorized dealer.

2.2 GENERAL SAFETY

- 1. Read and understand the Operator's Manual and all safety signs before operating, maintaining, and adjusting.
- 2. Provide a first-aid kit for use in case of an accident. Store in a highly visible place.
- 3. Provide a fire extinguisher for use in case of an accident. Store in a highly visible place.
- 4. Wear appropriate protective gear. This list includes but is not limited to:
 - A hard hat
 - Protective shoes with slip resistant soles
 - Protective glasses or goggles
 - Heavy gloves
 - Wet weather gear
 - Hearing protection
- 5. Do not operate without guards or shields properly installed.
- 6. Do not allow riders.
- 7. Wear appropriate ear protection for prolonged exposure to excessive noise.
- 8. (All Models) Set Blower on the ground, stop engine, set park brake, remove ignition key and wait for all moving parts to stop before dismounting to service or adjust.
- 9. Clear the area of people, especially small children, before starting the unit.
- 10. Review all safety related items annually with all personnel who will be operating or maintaining the Blower.
- 11. Keep hands, feet, hair and clothing away from moving parts. Operate equipment only while seated in the operator's seat.

2.3 OPERATING SAFETY

- 1. Read and understand the Operator's Manual and all safety signs before operating, servicing or adjusting.
- 2. Before servicing or repairing, <u>Set blower on the ground, stop engine, set park brake, remove key, and wait for all moving parts to stop.</u>

2.4 MAINTENANCE SAFETY

- 1. Read and follow ALL general, operating, maintenance and safety information in this manual.
- 2. Support the machine with blocks or safety stands when changing tires or working beneath it.
- 3. Set Blower on the ground, stop engine, set park brake, remove ignition key and wait for all moving parts to stop before operating, servicing or adjusting.
- 4. Make sure all guards are in place and properly secured when operating or maintaining the Blower.

2.5 TRANSPORT SAFETY

- 1. Turf trailer Receptacle Uses a Pin Hitch Only. Use Presto Pin. **Do Not Exceed 15 MPH (24KPH) At Any Time.** Use a DOT Approved trailer for Highway Use and for speeds exceeding 15 MPH (24KPH). Make sure you are in compliant with all local DOT regulations regarding transporting Buffalo Turbine equipment on public roads and highways.
- 2. The CYC8KK can be made into a Skid Model by removing the trailer package and can easily be transported and operated in the bed of a standard pick-up truck or utility vehicle. Be sure to block, anchor and secure the unit before operating or transporting. **Do not use the top of the Turbine housing to strap or tie down blower unit.**

2.6 STORAGE SAFETY

- 1. Store the Blower on a firm, level surface.
- 2. Store away from areas of human activity. Do not permit children to play on or around the stored machine.
- 3. Make sure the unit is sitting, or blocked up firm and solid and will not tip or sink into a soft area.
- 4. Cover with a weatherproof tarpaulin and tie down securely.

2.7 SIGN-OFF FORM

- Buffalo Turbine recommends that anyone who will be operating and/or maintaining the Buffalo Turbine Blower must read and clearly understand ALL Safety, Operating and Maintenance information presented in this manual.
- Do not operate or allow anyone else to operate this equipment until such information has been reviewed. Annually review this information before the season start-up.
- Make these periodic reviews of SAFETY and OPERATION a standard practice for all of your equipment. We feel that an untrained operator is unqualified to operate this machine.

A sign-off sheet is provided for your record keeping to show that all personnel who will be working with the equipment have read and understand the information in the Operator's Manual and have been instructed in the operation of the equipment.

SIGN-OFF FORM

| DATE | EMPLOYEES SIGNATURE | EMPLOYERS SIGNATURE |
|------|---------------------|---------------------|
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Buffalo Turbine Warranty Policy

3.0 MACHINE WARRANTY INFORMATION

Buffalo Turbine warrants the DEBRIS BLOWER, to the original owner, to be free from defects in material and workmanship, under normal use and service. All machines must have a completed registration form sent to Buffalo Turbine within 30 days of purchase for warranty to apply. Obligation under this warranty shall extend for a period of 10 years from date of purchase and, at the option of Buffalo Turbine, replacement of any parts found, upon inspection by Buffalo Turbine, to be defective. Any parts replaced under warranty will have the remainder of the warranty from the original date of purchase.

Warranty parts during first 2 years will be shipped free of charge via standard ground shipping *If expedited shipping is required charges will be paid by the end user*

Year 1: parts and labor Year 2: parts only

Customer will be required to pay shipping charges for years 3-10

Year 3: Engine, per engine manufacturer's standard / Turbine Assembly / Frame (parts only)

Year 4-10: Turbine Assembly / Frame (parts will be prorated)

Buffalo Turbine reserves the right to incorporate improvements in material and design of its products without notice and is not obligated to make the same improvements to equipment previously manufactured.

ALL WARRANTY REPAIRS NEED PRE-APPROVAL BY A FACTORY PERSON (FROM BUFFALO TURBINE) PRIOR TO COMMENCING WITH A WARRANTY REPAIR TO INCLUDE SERIAL NUMBER AND HOURS FROM HOUR METER (IF EQUIPPED). PRE-APPROVAL WILL BE REQUIRED BY THE END USER AND DEALER/DISTRIBUTOR LEVEL.

Factory ordered Buffalo Turbine parts must be used when filing a warranty claim.

LIMITATIONS OF LIABILITY

This warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities on our part of any kind or character, including liabilities for alleged representations or negligence. We neither assume nor authorize any other person to assume on our behalf, any liability in connection with the subsequent sale of the **DEBRIS BLOWER**. This warranty shall not apply to any DEBRIS BLOWER, which has been altered outside the factory in any way so as, in the judgment of Buffalo Turbine, to affect its operation or reliability, or which has been subject to misuse, neglect, or accident. This warranty does not cover parts and accessories, which are under separate guarantee from the manufacturers and service can be, obtained from their service facilities. No warranty is extended to regular service items such as lubricants, belts, paint and the like.

Original Instruction Manual

The Purchaser acknowledges having receiving training in the safe operation of the DEBRIS BLOWER and further acknowledges that Buffalo Turbine does not assume any liability resulting from the operation of the DEBRIS BLOWER in any manner other than described in the Operator's Manual supplied at the time of purchase.

WARRANTY VOID IF NOT REGISTERED (see Page 2 for warranty registration form)

DO NOT SPLIT THE TURBINE HOUSING FOR ANY REASON.

DO NOT ATTEMPT TO SERVICE OR DISASSEMBLE THE TURBINE BLOWER.

DO NOT USE THE TOP OF THE TURBINE HOUSING TO STRAP OR TIE DOWN BLOWER UNITS.

Unauthorized service work on the Turbine Blower will null and void all warranties.

If there are any questions regarding any of our products call Buffalo Turbine at 716 592 2700.

3.1 Warranty Registration Form

BUFFALO TURBINE

WARRANTY REGISTRATION FORM & INSPECTION REPORT

Any units not registered with Buffalo Turbine are not eligible for warranty claims
This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery

| Customer's Name | Dealer's Name | | |
|---|---|--|--|
| Address | Address | | |
| City, State, Zip, Country | City, State, Zip, Country | | |
| Email Address (important) Email Address | | | |
| Telephone Number | | | |
| Blower Model | Circle one: | | |
| Serial Number | Commercial Use | | |
| Delivery Date | Private Use | | |
| DEALER INSPECTION REPORT | SAFETY CHECKS | | |
| Tire Pressure Check Model KB | All Decals Installed | | |
| Wheel Bolts | Review Operating and Safety Instructions | | |
| Belt Tension | | | |
| Lubricate Machine | Guards in Place | | |
| Fasteners Tight | Trailer assembly bolts properly installed and tightened | | |
| | SHAFTS MUST TELESCOPE IN EVERY POSITION described equipment which reviews the included Operator's Manual and applicable warranty policy. | | |
| Date | Dealer's Rep. Signature | | |
| The above equipment and Operator's Manual has bee adjustments, safe operation and applicable warranty | en received by me and I have been thoroughly instructed as to the care, policy. | | |
| Date Owner's Signature | | | |
| PLEASE EMAIL TO BUFFALO TURBINE AT - service@buffaloturbine.com | | | |

PLEASE EMAIL TO BUFFALO TURBINE AT - service@buffaloturbine.com
Or fax to 716 592 2460

4.0 OPERATIONS

4.1 TO THE NEW OPERATOR OR OWNER

Buffalo Turbine Debris Blowers are designed to quickly and efficiently, blow away leaves, cuttings and other debris. The material is conveyed on a stream of high volume and velocity of air to remove it from the area of concern. When the material is removed, it gives a neat, professional look to the working area.

Many of the features incorporated into the machine are the result of suggestions made by customers like you. Read the manual carefully to learn to operate the machine safely and how to set it to provide maximum efficiency. The manual will take you step-by-step through your working day. By following the operating instructions in conjunction with a good maintenance program, your Blower will provide many years of trouble-free service.

Potential Mechanical Hazards while operating your machine:

Never operate the debris blower around others to prevent the possibility of being run over by equipment. Never ride on your debris blower to prevent the possibility of being thrown off the machine or hurt severely.

Potential Crushing Hazards while operating your machine:

Between Trailer Tongue and mounting hitch on towing vehicle Between each nozzle



WARNING:

This Product can expose you to chemicals including carbon monoxide and benzene, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

4.2 BREAK-IN

Although there are no operational restrictions on the Blower when it is used for the first time, it is recommended that the following mechanical items be checked:

A. Operating for first ½ hour

- 1. Re-torque all wheel bolts, axle nuts and trailer mounting bolts and nuts.
- 2. Re-torque all other fasteners and hardware.
- 3. Check set screw (nozzle pulley) to ensure it tightened.

B. Operating for first 5 hours

- 1. Re-torque all hardware and fasteners.
- 2. Check set screw (nozzle pulley) to ensure it tightened.
- 3. Go to the normal servicing and maintenance schedule as defined in the Maintenance Section of the manual.

4.3 PRE-OPERATION CHECKS

Efficient and safe operation of the Buffalo Turbine Blower requires that each operator reads and understands the operating procedures and all related safety precautions outlined in this section. A pre-operation checklist is provided for the operator. It is important for both personal safety and maintaining the good mechanical condition of the machine that this checklist is followed.

BATTERY MUST BE CONNECTED BEFORE OPERATION (DISCONNECTED FOR SHIPPING).

Before Operating the Blower and each time thereafter, the following areas should be checked off.

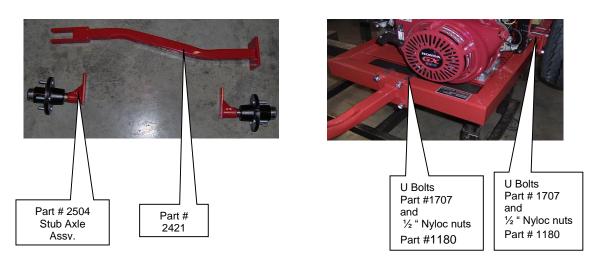
- 1. For fuel, oil, and operating information of the Kohler Engine, refer to the Manufacturers specs included with this manual.
- 2. The Model CYC8KK turf trailer is not designed for highway towing. For highway use or speeds above 15mph (24kph) an optional DOT approved trailer must be used.
- 3. Insure the Blower unit is attached to a proper receiver mounted on the towing vehicle. A pin hitch receptacle is standard with the model CYC8KK. Attach the CYC8KK trailer using the proper size hitch pin with a locking presto pin.
- 4. Make sure all guards and shields are in place, secured and functioning as designed.
- 5. Check that all clamp bands are secure.
- 6. Check the belts and pulleys for proper tension and alignment.

<u>CAUTION !</u> DO NOT ALLOW LEAVES OR DEBRIS TO ACCUMULATE ON OR NEAR THE ENGINE OR EXHAUST SYSTEM OF THE MODEL KB BLOWER, TRACTOR ENGINE OR ANY INTERNAL COMBUSTION ENGINE.

4.4 MODEL BT-CYC8KK Assembly Instructions

- 1. Fill engine oil to proper level. (overseas shipments)
- 2. Attach both stub axle assembly (part# 2422) with 2 U-bolts each (part# 1707) and 4 nyloc nuts (part# 1180). Tighten each side at this time.
- 3. Attach the tongue (part# 2421) using the 2 U-bolts (part # 1707) and 4 nyloc nuts (part # 1180), center on the frame then tighten evenly. Equal pressure must be applied on each hex. Note: The tongue is reversible and will allow for 2 different heights. Determine the desired height before attaching the tongue.
- 4. Recheck all mounting bolts to assure that they are tight.
- 5. Bolt on tires.

USE PRESTO PIN TO KEEP HITCH PIN IN PLACE WHILE OPERATING



4.5 FIELD OPERATION

- 1. Do not direct debris blower towards people, pets, autos, windows, etc.
- 2. Starting blower unit: Always start engine at a lower engine speed with nozzle pointed down or away.
- 3. The air stream direction is changed (in either direction) by pressing the nozzle buttons on the transmitter. The nozzle will stop turning by releasing the transmitter button. ALWAYS CHECK THE GROUND CLEARANCE WHEN OPERATING THE NOZZLE IN THE DOWN VERTICAL POSITION.
- 4. **Stopping blower unit**: Shut engine off above ½ throttle by turning key switch to off position to avoid engine backfire.
- 5. Allow the blower fan speed to come to a complete stop before disconnecting from tow vehicle.

4.6 Operating RPM (All Models)

The manufacturer's engine section normally recommends the unit be run at a RPM that will insure efficient operation. The Blower can operate at a slower RPM if it can effectively move the debris. Increase engine RPM as needed.

Moving light material, such as dry leaves, requires much less wind than wet or heavier material.

Always try to blow with the wind. The Blower can be used for a wide variety of applications to move leaves, grass clippings, aeration plugs and debris. Drying wet areas has been another use with these powerful Debris Blowers.

4.7 Storage

At the end of the working season or before storing the blower unit, prepare the machine by following this procedure:

- 1. Select a storage area that is dry, level and free of debris.
- 2. Thoroughly wash the machine with a water hose to remove all debris and residue.
- 3. Run the machine at low RPM to dry the Blower Components.
- 4. Touch up all paint chips and scratches to prevent rusting.
- 5. Inspect for worn or failed components. Order the replacement parts and repair the blower unit when time allows. This will eliminate unnecessary down time at the start of next season.
- 6. Store in an enclosed building. If space is not available, cover with a waterproof tarpaulin and tie it down securely.
- 7. Store the machine away from areas of human activity.
- 8. Do not allow children to play around the stored unit.

5.0 TROUBLE SHOOTING

The Buffalo Turbine Debris Blower uses a high volume and velocity of air to move material from one place to another. The system is simple and reliable requiring minimal maintenance.

If you encounter a problem that is difficult to solve, even after reading through this trouble shooting section, please call your local dealer or distributor. Before calling, please have this Operator's Manual and the serial number from your Blower ready.

In the following section, we have listed causes and solutions to the problems that you may have encountered.

TURN OFF ENCINE REMOVE KEY AND DISCONNECT BATTERY REFORE SERVICING BLOW.

TURN OFF ENGINE, REMOVE KEY, AND DISCONNECT BATTERY BEFORE SERVICING BLOWER UNITS. INSTALL GUARDS BEFORE OPERATING.

| PROBLEM | CAUSE | SOLUTION |
|------------------------|----------------------------------|--|
| No air flow | Buildup of debris inside turbine | Remove nozzle and clean debris from inside turbine |
| | Broken coupling (KB Series) | Replace coupling |
| No air flow | Blower fan not turning | See solutions above |
| Reduced or no air flow | Blower fan turns | Air intake or exhaust restricted |
| | | Shut off engine |
| | | Blower or tractor – remove restrictions |
| | | Debris cannot be allowed to build up between the |
| | | blower fan and stationary vanes |
| Machine vibrates or | Bearing or coupling failure | Replace bearings or coupling |
| Unusual sounds | Out-of-balance | Have your dealer check blower for damaged blades. |
| | | Wash and clean blower fan blades |

6.0 Machine Specifications

Model BT-CYC8KK Series

Length: 95" With nozzle and tongue installed

Width: 44" With stub axle and tires

Height: 37" With stub axle and tires

Weight: 360 lbs

Electrical System: 12 Volt electric remote

Fuel Capacity: 1.7 gallons

Input Power: CH440 Kohler Engine

Input RPM: Up to 3200 RPM
Outlet Size: Approximately 12"

7.0 MAINTENANCE SECTION

7.1 Maintenance Safety

- 1. Set Blower on a level surface, stop engine, set park brake, remove ignition key and wait for all moving parts to stop before dismounting to service, adjust or repair.
- 2. Reinstall and secure all guards removed for servicing before starting to use machine again. *We recommend wearing gloves when removing or installing the guard to avoid getting cut*
- 3. Securely support machine with blocks or safety stands when changing tires or working beneath it.

7.2 Fluids

Use NLGI2 grease only for flange bearing.

Change oil per Manufacturer's specification (see Engine owner's manual section).

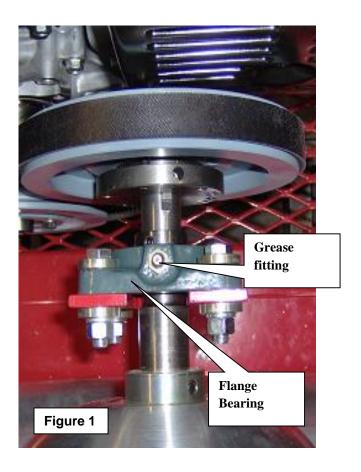
A Teflon spray type lubricant on the nozzle base and slides provides for freer rotation.

7.3 Greasing Interval

Grease the fittings on your new Cyclone 8000 Blower after the first 8 hours of operation.

40 Hours: Flange bearing (1) - approx. 2 shots of grease. Use a grease gun extension.

DO NOT OVER GREASE



7.4 Belt Maintenance

After using the Blower unit for a long period of time, the belt will stretch and wear and need replacing. **REPLACING THE BELT**

USE THE ILLUSTRATION FROM BELOW FOR REFERENCE

To change the belt follow this procedure:

Remove the guard around belts and pulleys.

Loosen mounting bolts and nuts (Figure 3)

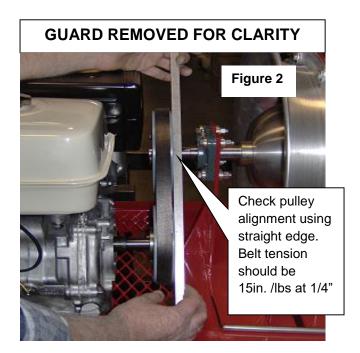
Remove belt.

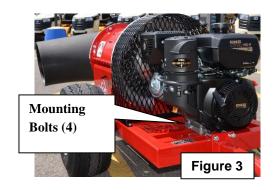
Replace belts with type

Tighten mounting bolts and nuts on engine.

Check pulley alignment with a straight edge and re-check belt tension. (Figure 2)

Belt tension is 15 in/lbs at 1/4" deflection





7.5 SERVICE CHECKLIST

See Lubrication and Maintenance sections for details of service. Copy this page to continue record.

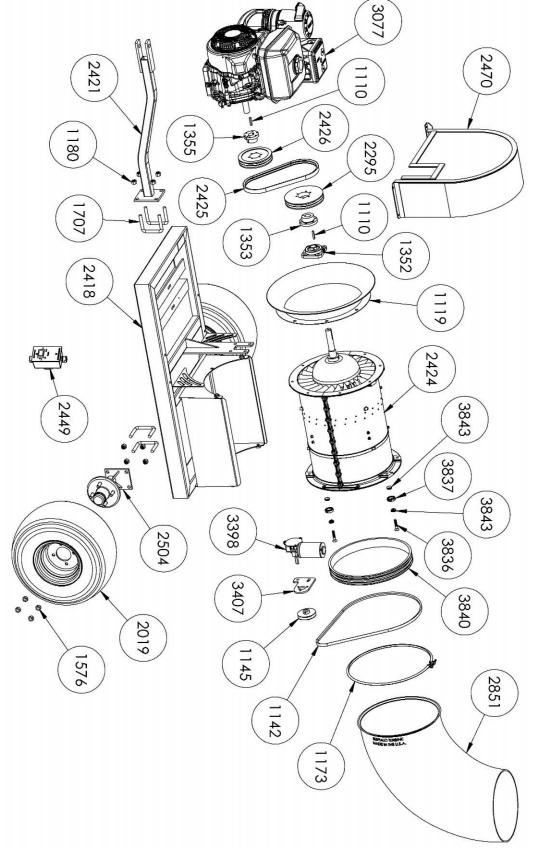
TURN OFF ENGINE, REMOVE KEY & DISCONNECT BATTERY BEFORE SERVICING BLOWER UNIT

| CODE: <u>LUBRICATE-(L) / CHECK-(*) / CHANGE-(C) / REPLACE-(B) / CLEAN-(CL)</u> |
|---|
| SCHEDULED MAINTENANCE HOURS |
| SERVICED BY |
| MAINTENANCE |
| 8 hrs or daily |
| (*) Remove all debris that has settled between the blower wheel fan and the stationary vanes. |
| Helps maintain peak performance. |
| (*) Check engine oil and fill to proper level – Do not overfill |
| (*) Check air filter and precleaner |
| (CL) Clean debris from air intake and other cooling areas on the engine |
| (*) Check tire pressure (Max. 50 PSI) |
| (*) Check Clamp Band Bolt for tightness |
| 40 hours or weekly |
| (L) Flange bearing greasing |
| (*) Inspect battery terminals for any corrosion, broken wires, or loose connections. |
| (*)Remove Battery and clean debris from inside of battery box |
| (L) Nozzle base slides (Teflon spray) |
| (*) Check set screw (nozzle pulley) to ensure it is tightened |
| (*) Wash and Clean any dirt or grime build up that has accumulated on blower wheel |
| fan blades. Helps to minimize vibration balance and maintain peak performance. |
| 200hrs or annually |
| (CL) Machine |

DO NOT OPERATE BLOWER UNIT WITHOUT GUARDS SECURELY ATTACHED

BT-CYC8KK PARTS REFERENCE (3077) (2421) (BEFORE SERIAL # 26323) (1355) (2426) 2449 (1180) (2470) (2295)(1353) (1707) (2425) (1119) (1352)(2418) (2424) (2504) 7 (1138) (1143) (1141) 2019 **®** (1144) (1142) 8 (1173) (1576) (1145) *NOT ALL HARDWARE/WIRING SHOWN ON EXPOLDED VIEW (2851) THAN TURBINE

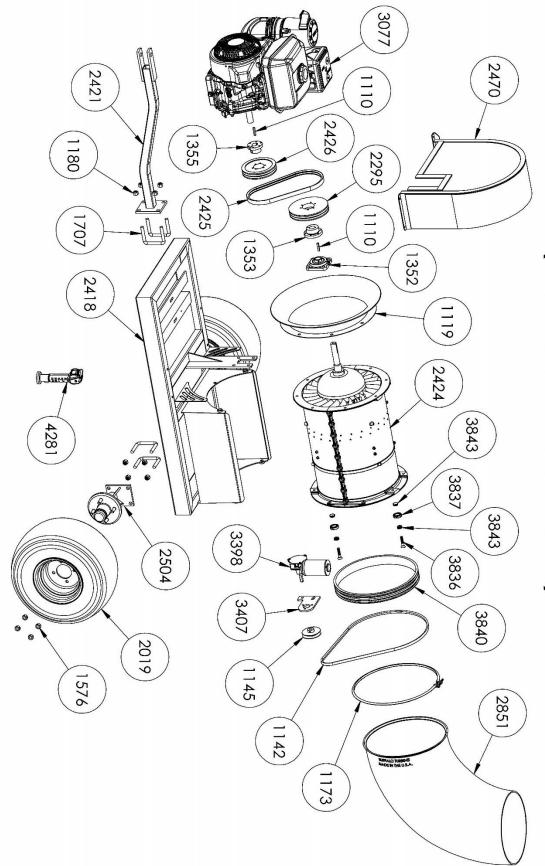
BT-CYC8KK PARTS REFERENCE (SERIAL #26323 - 35717)



15

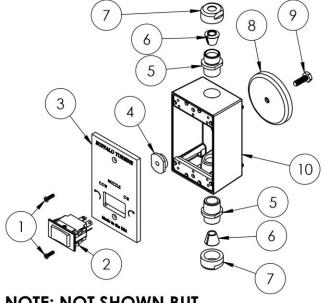
BT-CYC8KK PARTS REFERENCE

(BEGINNING WITH SERIAL #35718)



BT-CYC8KK SUB ASSEMBLIES PARTS REFERENCE

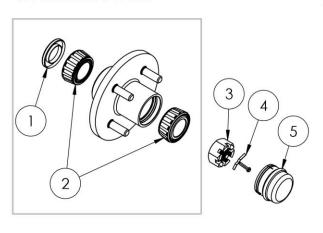
| 2 | | | | | |
|------|------------------------------|----------------------------------|--------|--|--|
| | PART # 2449 : WIRING HARNESS | | | | |
| Ref# | Qty. | Description | Part # | | |
| 1 | 2 | 6-32 PHILLIPS FLAT HEAD SCREW | 1279 | | |
| 2 | 1 | ROCKER SWITCH | 1769 | | |
| 3 | 1 | NOZZLE CONTROL BOX COVER | 1304 | | |
| 4 | 1 | 1/4-20 NUT PLATE | 1302 | | |
| 5 | 2 | BOX FITTING | 1295 | | |
| 6 | 2 | 2 WIRE BUSHING | 1287 | | |
| 7 | 2 | 2 AND 4 WIRE NUT | 1286 | | |
| 8 | 1 | MAGNET | 1300 | | |
| 9 | 1 | 1/4-20 X 3/4 HHCS | 1258 | | |
| 10 | 1 | CONTROL BOX HOUSING | 1281 | | |



NOTE: NOT SHOWN BUT INCLUDED WITH PART #2449

| Part # | Description | Qty. |
|--------|--|---------|
| 1177 | 1/4 BLACK HEAT SHRINK | 4 |
| 1178 | 3/8 BLACK HEAT SHRINK | 8 |
| 1282 | QUICK CONNECT FLAG TERMINAL | 4 |
| 1283 | BUTT CONNECTOR | 3 |
| 1293 | FUSE HOLDER | 1 |
| 1294 | 20 AMP FUSE | 1 |
| 1537 | 16-2 SJOOW CORD | 276 in. |
| 2023 | 16/14 FULLY INSULATED MALE QUICK DISCONNECT | 2 |
| 2084 | 11172-03, CONNECTER PLUG, 2 POLE | 1 |
| 2085 | 11172-02, CONNECTER PLUG, 2 POLE | 1 |

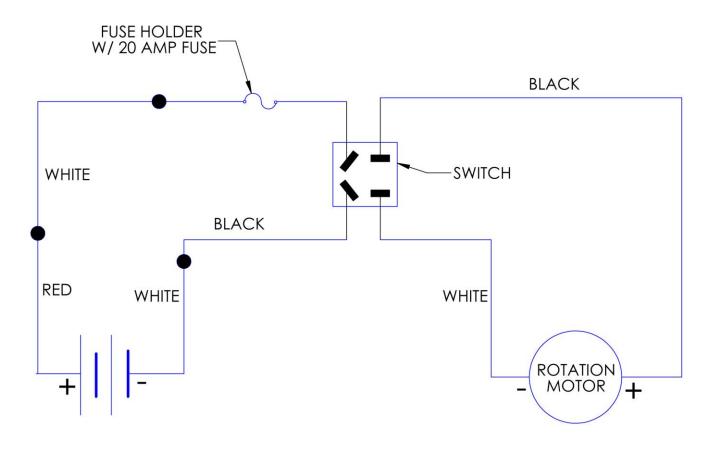
PN 1153 (HUB W/ STUD RISERS) REPLACEMENT PARTS



| ř | | | | | |
|-------------------------------|------------------------------|--------------------------------|------|--|--|
| Н | HUB ASSEMBLY PARTS REFERENCE | | | | |
| Ref # Qty. Description Part # | | | | | |
| 1 | 1 | SEAL | 1691 | | |
| 2 | 2 | 1-1/16 TAPER ROLLER BEARING | 1690 | | |
| 3 | 1 | 1"-14 CASTLE NUT | 1151 | | |
| 4 | 1 | 1/8 X 1-1/2" COTTER PIN | 1152 | | |
| 5 | 1 | BEARING CAP | 1575 | | |

| | | BILL OF MATERIALS FOR BT-CYC8KK | |
|------------|------|--|-----|
| REF PAGE # | PN | DESCRIPTION | QTY |
| | 1100 | 3/8-24 X 1-1/4 HHCS ZINC GR 5 | 8 |
| | 1101 | 3/8-24 X 1-1/2 HHCS ZINC GRADE 5 | 7 |
| | 1102 | 3/8-24 X 1-3/4 HHCS ZINC GRADE 5 | 3 |
| | 1104 | 3/8-24 X 2 HHCS ZINC | 4 |
| | 1105 | 3/8-24 HEX NUT ZINC PLATED GRADE 5 | 22 |
| | 1107 | 3/8 LOCK WASHER ZINC PLATED | 24 |
| | 1108 | 3/8 FLAT WASHER ZINC PLATED | 26 |
| 16 | 1110 | KEY, 1/4 X 1-1/2 | 2 |
| 16 | 1119 | 14-221-D1 BELLMOUTH | 1 |
| | 1130 | 5/16-18 X 3/8 SET SCREW | 1 |
| 16 | 1142 | A-54 V-BELT | 1 |
| 16 | 1145 | SHEAVE AK32 X 1/2 | 1 |
| | 1156 | SERIAL TAG | 1 |
| | 1167 | COV 5/16 X ¼ WIRE CLAMP | 2 |
| | 1169 | 1/4-20 X 1HHCS ZINC | 3 |
| 16 | 1173 | CLAMP BAND W/ BOLT & NUT | 1 |
| 16 | 1180 | ½-13 NYLOC NUT ZINC | 12 |
| | 1182 | 4 X 4 BT DECAL | 2 |
| | 1184 | WARNING – EYE PROTECTION DECAL | 1 |
| | 1185 | WARNING – EAR PROTECTION DECAL | 1 |
| | 1186 | CAUTION DO NOT OPERATE DECAL | 1 |
| | 1233 | AMERICA & SAFETY FIRST DECAL | 1 |
| | 1236 | 3/16 X 1 ROLL PIN | 2 |
| | 1259 | ¼ LOCKWASHER | 6 |
| 16 | 1352 | 1" FLANGE BEARING | 1 |
| 16 | 1353 | 1" SDS BUSHING | 1 |
| 16 | 1355 | 1" SH BUSHING | 1 |
| 16 | 1576 | ½-20 LUG NUT | 8 |
| | 1669 | %-20 X .055 HEAD INSERT | 4 |
| 16 | 1707 | U-BOLT | 6 |
| 16 | 2019 | 18" X 8 ½" X 8" 4PLY SAWTOOTH TIRE ON 8X7, 4-4 WHITE RIM | 2 |
| 16 | 2295 | 2/3V6.90 SDS SHEAVE | 1 |
| 16 | 2418 | FRAME, CYCLONE 8000 | 1 |
| 16 | 2421 | TONGUE, CYC8K | 1 |
| 16 | 2424 | BLOWER ASSEMBLY, CYC8K | 1 |
| 16 | 2425 | 2/3VX355 POWERBAND BELT | 1 |
| 16 | 2426 | 2/3V6.00 QD SHEAVE | 1 |
| | 2450 | CYCLONE 8000 DECAL | 2 |
| 16 | 2470 | CYC8KK,KOHLER GUARD | 1 |
| 16 | 2504 | STUB AXLE/HUB ASSEMBLY | 2 |
| 16 | 2851 | AEROSPACE POLYMER NOZZLE | 1 |
| 16 | 3077 | CH440 KOHLER ENGINE | 1 |
| | 3152 | 1/4-28 X 1" LONG HHCS GRADE 5 | 3 |
| 16 | 3398 | ROTATION MOTOR, RIGHT ANLE, 12V, BI DIRECTIONAL | 1 |
| 16 | 3407 | ROTATION MOTOR BRACKET | 1 |
| 16 | 3836 | 3/8-24 X 2" LONG FHCS ZINC | 4 |
| 16 | 3837 | ELBOW BASE RING BEARING | 4 |
| 16 | 3840 | V-GROOVE BASE RING | 1 |
| 16 | 3843 | BEARING BUSHING | 8 |
| 16 | 4281 | JOYSTICK CONTROLLER, 12' CORD | 1 |
| | 4713 | 5 FOOT EXTENSION HARNESS | 1 |
| | | | |

WIRING SCHEMATIC CONTROL BOX



OPTIONS TOW BEHIND

NOZZLES

Aerospace Polymer Nozzle - Part# 2851 Standard Clamp Band - Part# 1173



ALUMINUM NOZZLES

Optional aluminum nozzles *will not* connect to the standard Aerospace Polymer Nozzle (Part# 2851). Requires: **Two 45° elbow segments (Part# 1171)** and two additional clamp bands (Part# 1173).

12" Nozzle Extension - Part# 1468 15" Nozzle Extension - Part# 1842 20" Nozzle Extension - Part# 1845

10" Round Nozzle - Part# 1417 12" Round Nozzle - Part# 1172 Improves air velocity with lower horsepower and hydraulic blower units



12" Rectangular Nozzle - Part#1469 19" Rectangular Nozzle - Part#1425

5.5"x15" opening - extra length/more concentrated air flow. Uses - heavy wet debris, plugs, top dressing. **No ground clearance** in the vertical down position.



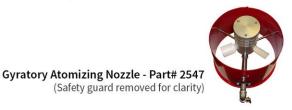
Fishtail Nozzle - Part# 1743

5"x30" (wide angle) opening. Distributes a large volume of air at a lower velocity over a wide area. Easily converts blower into a "Greens Fan". Adaptable to all models. Not as effective at moving debris.





Flexible Nozzle Assembly - Part# 3345 Various lengths available. Ideal for rough terrain.



Part# 1613-D f or 8000, KB4, EFI



D.O.T. TRAILER

2" BALL RECEIVER HITCH
Part# 2981



FORK POCKET

Part# 3894
Great for moving blowers
around jobsites and
bed mount / skid mount applications.



LINE DRIVER ATTACHMENT





Part# 2788 for KB4 Model Part# 2787 for Mega, Diesel Models



ROTATION BEARING KIT

Part# 3838 Increases rotation speed



EXHAUST GUARD KIT

Part# 2988 Available for Model: KB



BUFFALO TURBINE PRODUCTS

CYCLONE 8000

The Cyclone 8000 Debris Blower is strategically priced to fit most budgets. This little powerhouse is already proving its worthiness in saving Time and Labor.



MEGA

The word "MEGA" is defined as Impressive, Extreme and Mammoth. The NEW Buffalo Turbine MEGA lives up to its name!



CYCLONE PTO

The Cyclone PTO incorporates an "Advanced" direct drive gearbox which significantly reduces routine maintenance. At 238lbs, it's the lightest, meanest turbine style PTO blower available!



CYCLONE SQUARED

The Cyclone Squared with its "Twin Turbines", and wireless controlled dual independent nozzles, in most cases can handle twice the work in half the time. This versatile powerhouse is already a favorite on Golf courses, Racetracks, and the Paving Industry.



CYCLONE KB4

The Cyclone KB4 with its "More Powerful" CH740 Kohler Engine and a "State of the Art" Wireless Remote System is the most powerful KB unit to date.



HYDRAULIC

The Hydraulic debris blower features our built in "flow and pressure" control system and easily attaches to most skid steers. This handy attachment comes complete with mounting plate and hoses.

