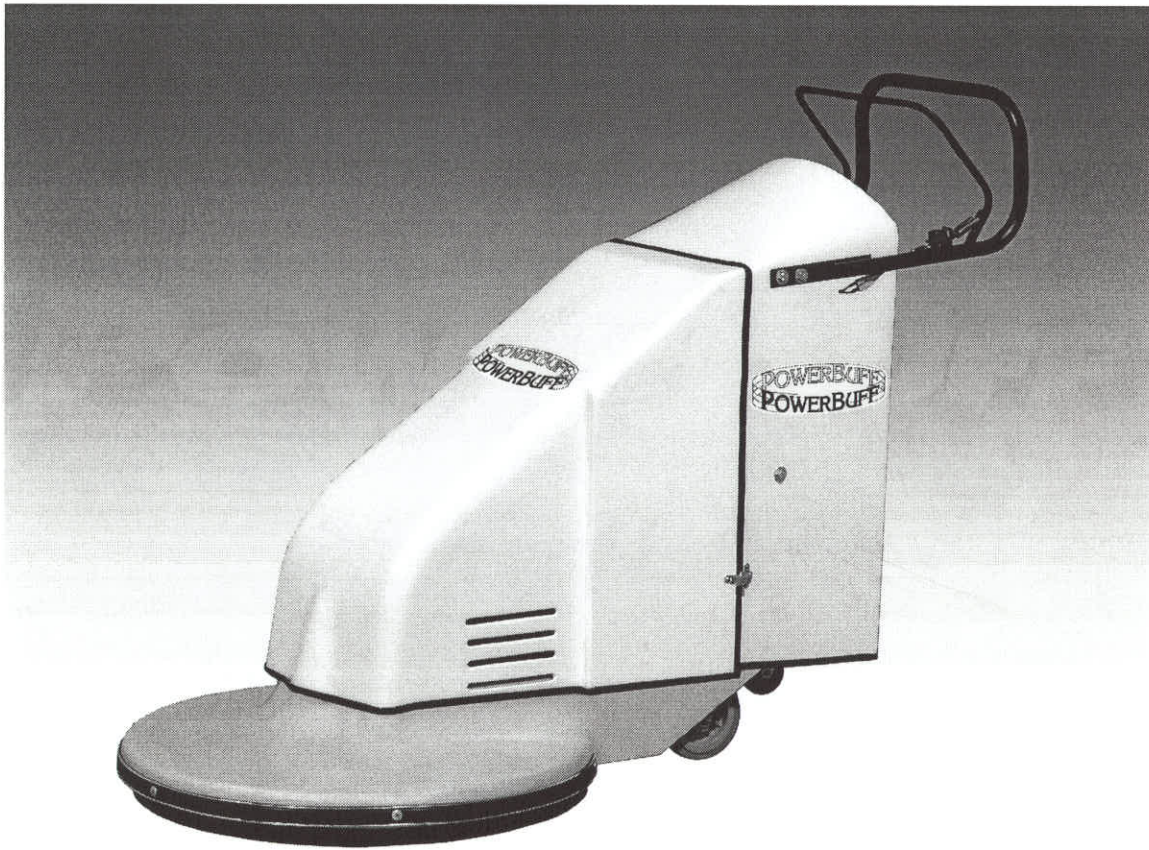


POWERBUFF®

XT-27



! IMPORTANT ! ... READ THIS MANUAL ...! IMPORTANT !

This manual contains important information about your machine. Read and understand all instructions before operating the machine. Failure to read and follow the instructions could result in injury to the person operating the machine or to others. Damage to the machine or other property could occur if instructions are not followed.

PowerBuff, Inc. * Phone 800-523-2833 * Stoneville, NC



XT-27

THREE YEAR LIMITED WARRANTY

PowerBuff, Inc. warrants new machines to be free from defects in material and workmanship under normal use and service to the original purchaser. This warranty period is subject to the conditions stated below.

BATTERY AND BATTERY CHARGER WARRANTIES

Battery warranty is for one year on a pro rated basis. Battery warranty is void if the batteries are not maintained at the proper level. Battery charger is warranted for one year.

EXCLUSIONS

This warranty does not cover normal wear and maintenance items including, but not limited to: belts, gaskets, wheels, casters, and routine adjustments. This warranty does not cover damage or failure which is the result of misuse, negligent operation, handling or repair, or which is the result of modification or repair by any person other than an authorized PowerBuff, Inc. service representative.

LIMITATIONS

STATED WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. PowerBuff's liability under this warranty is limited to repair of the product and/or replacement parts and is given to purchaser in lieu of all other remedies, including incidental and consequential damages.

WARRANTY DETAIL AND CLAIM PROCEDURES

PowerBuff, Inc. warrants to buyer that for the applicable shipment, such material will be free from defects in material and workmanship or failure to meet specifications, (a defect) appears in the material; then seller will, at it's option, either repair or replace the defective goods without charge or credit or refund the purchase price of the defective material, provided that:

- 1) The defect appears within the applicable warranty period.
- 2) Buyer notifies seller in writing of the claimed defect promptly after buyer knows or reasonable should know of the claimed defect.
- 3) Seller's examination of the material discloses that the claimed defect actually exists.

Buyer shall follow seller's instruction regarding return of defective material, and no material will be accepted for repair, replacement, credit, or refund without the written authorization of and in accordance with seller's instructions. In the case of any such return, buyer shall bear the risk of in-transit loss or damage; and shall prepay all transportation charges to seller. Repaired or replacement material will be shipped prepaid by seller, and buyer shall bear the risk of in-transit loss or damage. The replaced material shall become the seller's property.

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XT-27

Specifications

ITEM	Description / information
Power Supply.....	36 Volt (6 - 6Volt Batteries) 650 Cycle life
Charger.....	36 Volt - 20 Amp
Motor.....	High Horsepower, - maintenance free
Controller.....	Computer controlled
Run Time.....	3 - 3.5 Hours at constant speed & torque
Productivity.....	36,000 Square feet/hour
Wheels.....	Colson 6" Wheels - non marking
Caster.....	Single 3" caster
Smart Watering System	Millennium 18 cell w/regulator & connectors
Pad Driver.....	Powerbuff Exclusive "Flex Loc" 27" Pad driver - screw on/screw off
Pad speed.....	7,074 FPM Constant
Weight.....	552 lbs
Dimensions.....	61" Length 29" Width 44" Height
Warranty.....	Three Year Limited

SAFETY INSTRUCTIONS

Hazard Level	Explanation or Description of Hazard Level
	Failure to follow safety instructions labeled  could result in severe injury or death to the machine operator or others.
	Failure to follow safety instructions labeled  could result in injury to the machine operator or others. Also, machine or property damage could occur.
	Failure to follow safety instructions labeled  could result in damage to the machine or damage to other property.



This manual contains important information about your machine. Read and understand all instructions before operating the machine. Failure to read and follow the instructions could result in injury to the person operating the machine or injury to others. Damage to the machine or other property could occur if instructions are not followed.



Do not operate this machine around any solvents, thinners, or other flammable liquids or materials. Electrical sparks can cause a fire or even an explosion.



Do not smoke around the machine. Also, keep all sparks and flames away from the batteries. The batteries generate gases that can cause an explosion.



Special care needs to be used when working on or near the batteries. Wear eye protection. Do not lay tools on batteries, as they may short out battery terminals. Do not wear metal jewelry, as it may short out battery terminals.



Charging batteries can be dangerous. Be aware that the battery charger may have a relatively low voltage output, but the current output is very high and therefore dangerous. Do not operate the charger if any parts of the charger or charger cords are damaged. Do not stand on a wet floor when connecting or disconnecting charger to the power outlet or to the machine.

Safety Instructions are continued on the next page ➡

SAFETY INSTRUCTIONS (continued from previous page)

DANGER

Battery acid is dangerous. Wear eye and face protection, hand protection, and body protection when working on and around batteries. If you get acid on your skin, wash off immediately. If you get acid on your clothing, remove clothing and wash any skin that was in contact with the clothing. Baking soda mixed with water will help to neutralize the acid on your skin.

DANGER

The machine is very heavy, so be very careful when loading, transporting, and unloading the machine

WARNING

Keep all body parts, clothing, and objects away from moving parts.

WARNING

Operate machine from the rear, not from the side.

WARNING

Disconnect a wire to the batteries before working on the machine.

WARNING

Do not operate machine with charger plugged in.

WARNING

Do not operate machine with any parts damaged or missing.

WARNING

Do not operate close to stairs, loading docks, or other drop-offs. Do not park machine in such a manner that it could roll, forward or backward, off a drop-off.

WARNING

Authorized personnel must perform maintenance and repairs. Do not alter or modify the machine, unless authorized by the manufacturer.

WARNING

Do not expose the electrical components to water or excessive moisture.

WARNING

Always put caution signs around the areas that are being cleaned.

WARNING

Do not use machine as a "ladder". Do not use machine as a "forklift" to push stuff around. Do not ride or let anyone ride on the machine.

CAUTION

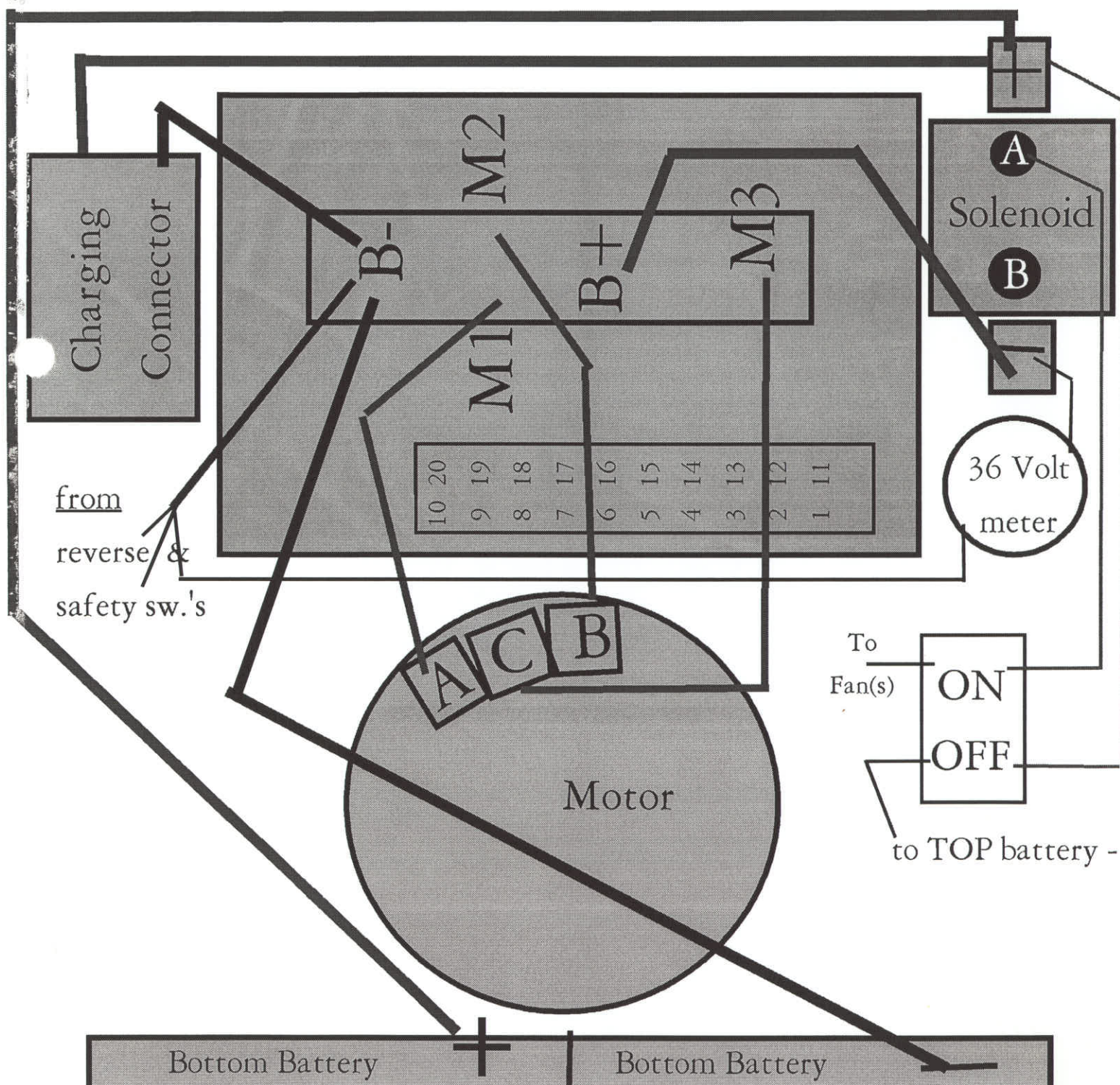
Your machine warranty may be voided if parts other than PowerBuff parts are used.

WARNING: TO CHARGE; PLUG CONNECTOR INTO BURNISHER, THEN PLUG CHARGER INTO WALL OUTLET. WHEN FINISHED, REMOVE WALL OUTLET PLUG FIRST, THEN BURNISHER CONNECTOR.

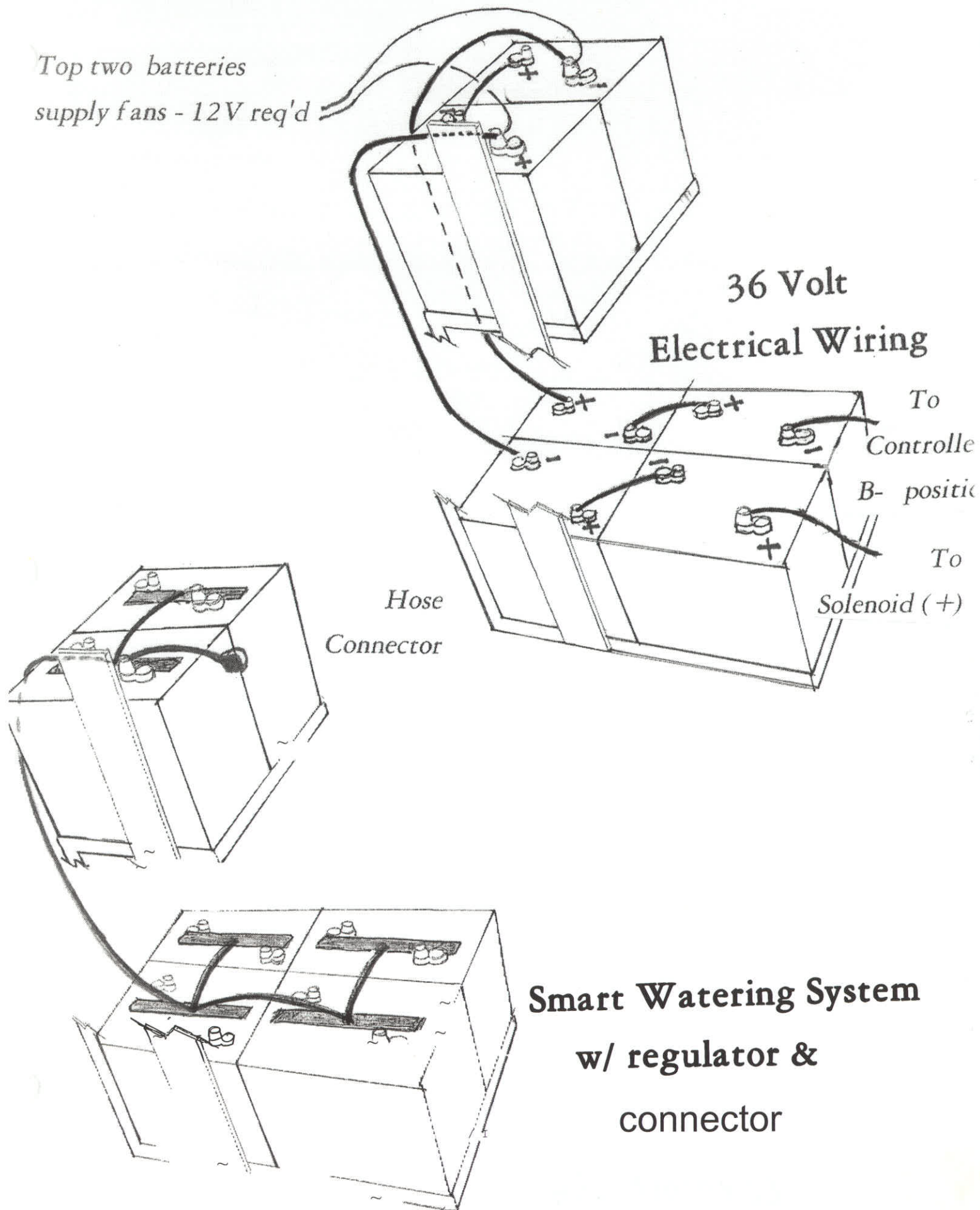
8: to solenoid B (-)

Hall Sensor Cable

- 12: Red (+)
- 17: White
- 18: Green
- 19: Blue
- 20: Black (-)



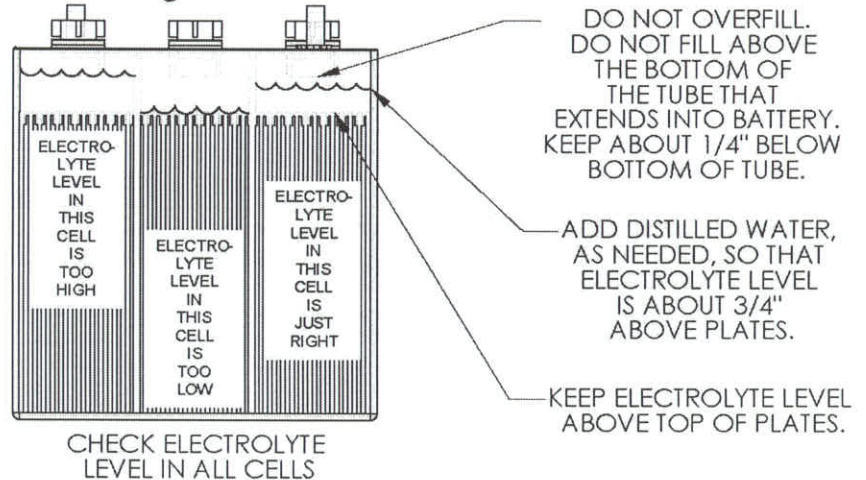
Top two batteries
supply fans - 12V req'd



BATTERY MAINTENANCE

- To receive the longest life from the batteries, charge them when they have between 25% and 50% of a full charge.
- Do not allow batteries to remain in a discharged state for very long, as this shortens the total battery life.
- Be aware that a discharged battery will freeze easily.
- Check the electrolyte level weekly. Top off with distilled water as shown in figure 2. Do not overfill. Make sure that all plugs are tight.
- Make sure battery connections are tight and free from corrosion. A baking soda and water solution and a wire brush are helpful when cleaning battery connections. Keep caps on when cleaning batteries, so that electrolyte is not contaminated.

figure 2



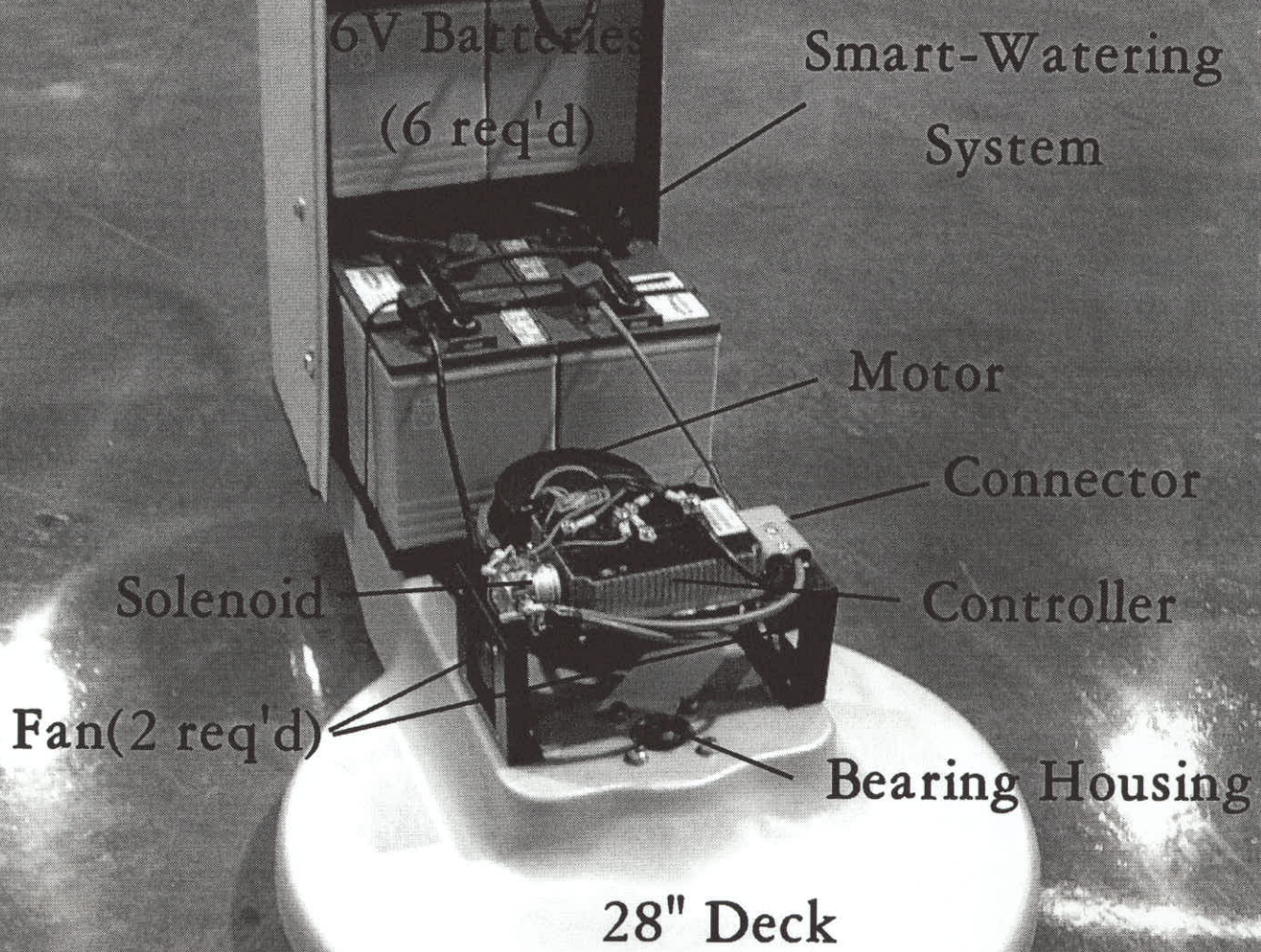
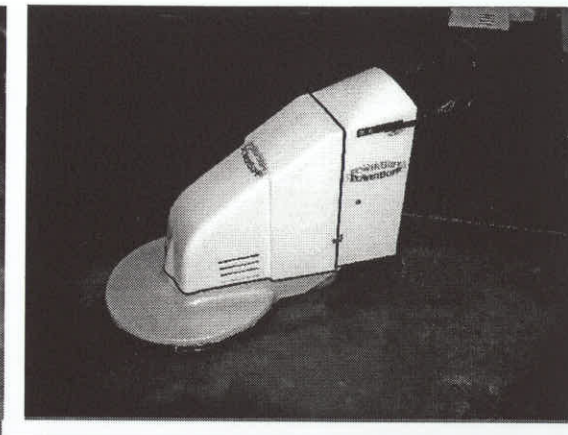
!!! BATTERIES ARE DANGEROUS !!!
READ THE SAFETY INSTRUCTIONS
IN THE FRONT OF THIS MANUAL
FOR SPECIFIC WARNINGS

IF YOU WOULD LIKE TO LEARN MORE ABOUT BATTERIES

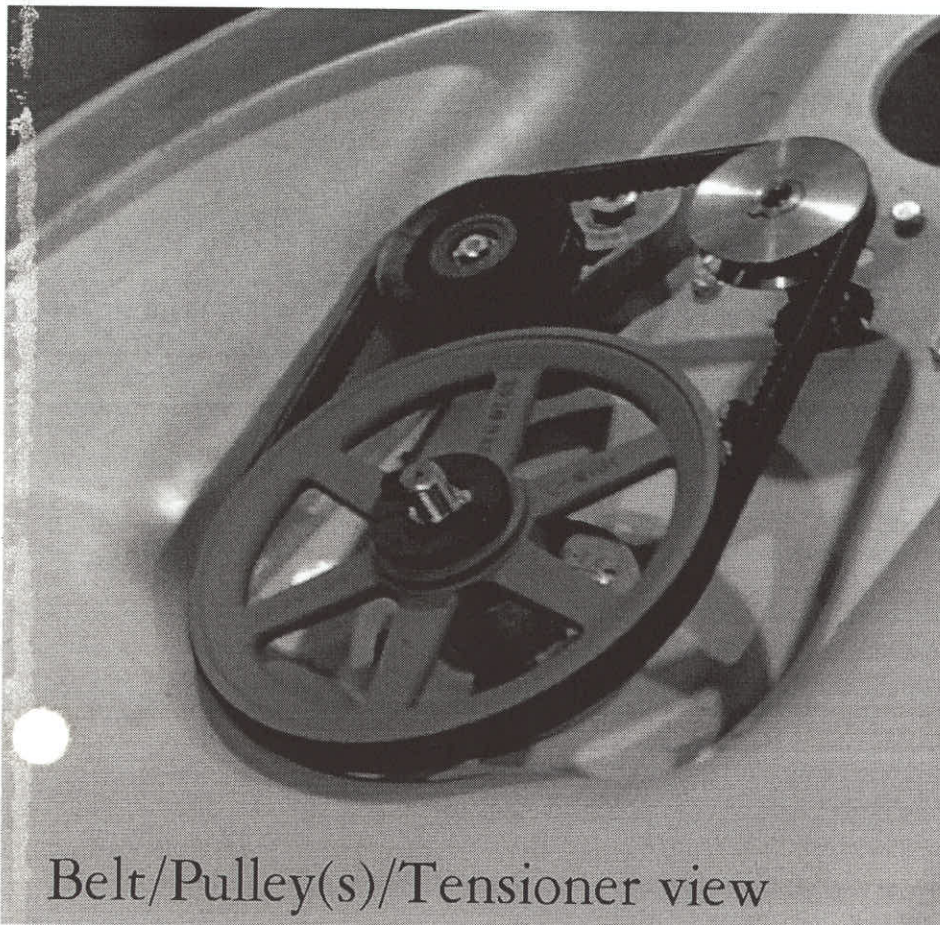
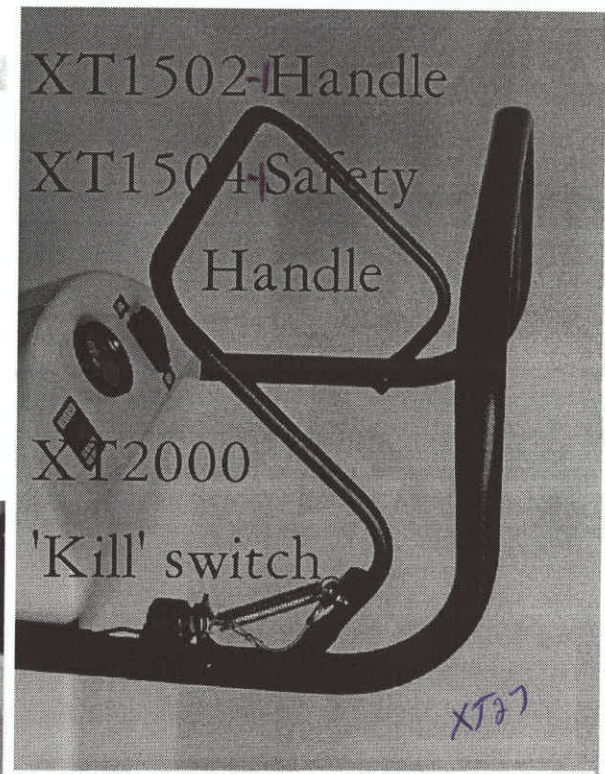
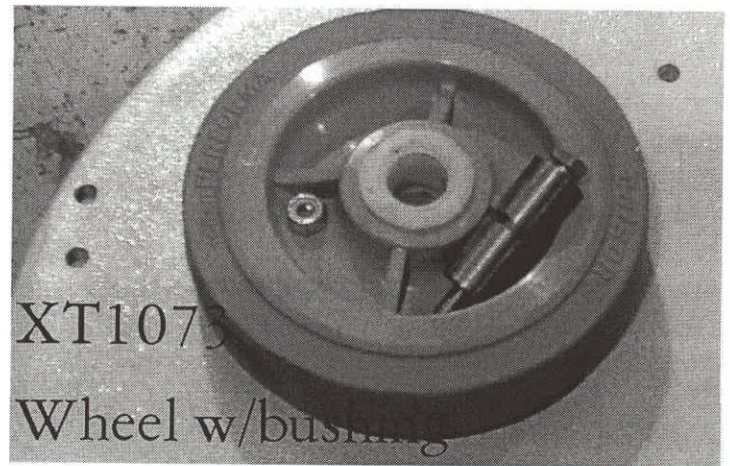
THERE IS A VERY INFORMATIVE PUBLICATION AVAILABLE. IT COVERS SUBJECTS SUCH AS BATTERY TERMS AND HOW A BATTERY WORKS TO SPECIFIC GRAVITY TESTING WITH A HYDROMETER AND DIAGNOSIS OF BATTERY PROBLEMS.
YOU CAN OBTAIN A COPY OF THE "BATTERY SERVICE MANUAL" FROM

BATTERY COUNCIL INTERNATIONAL
401 N. MICHIGAN AVENUE
CHICAGO, IL 60611
PHONE 312-644-6610

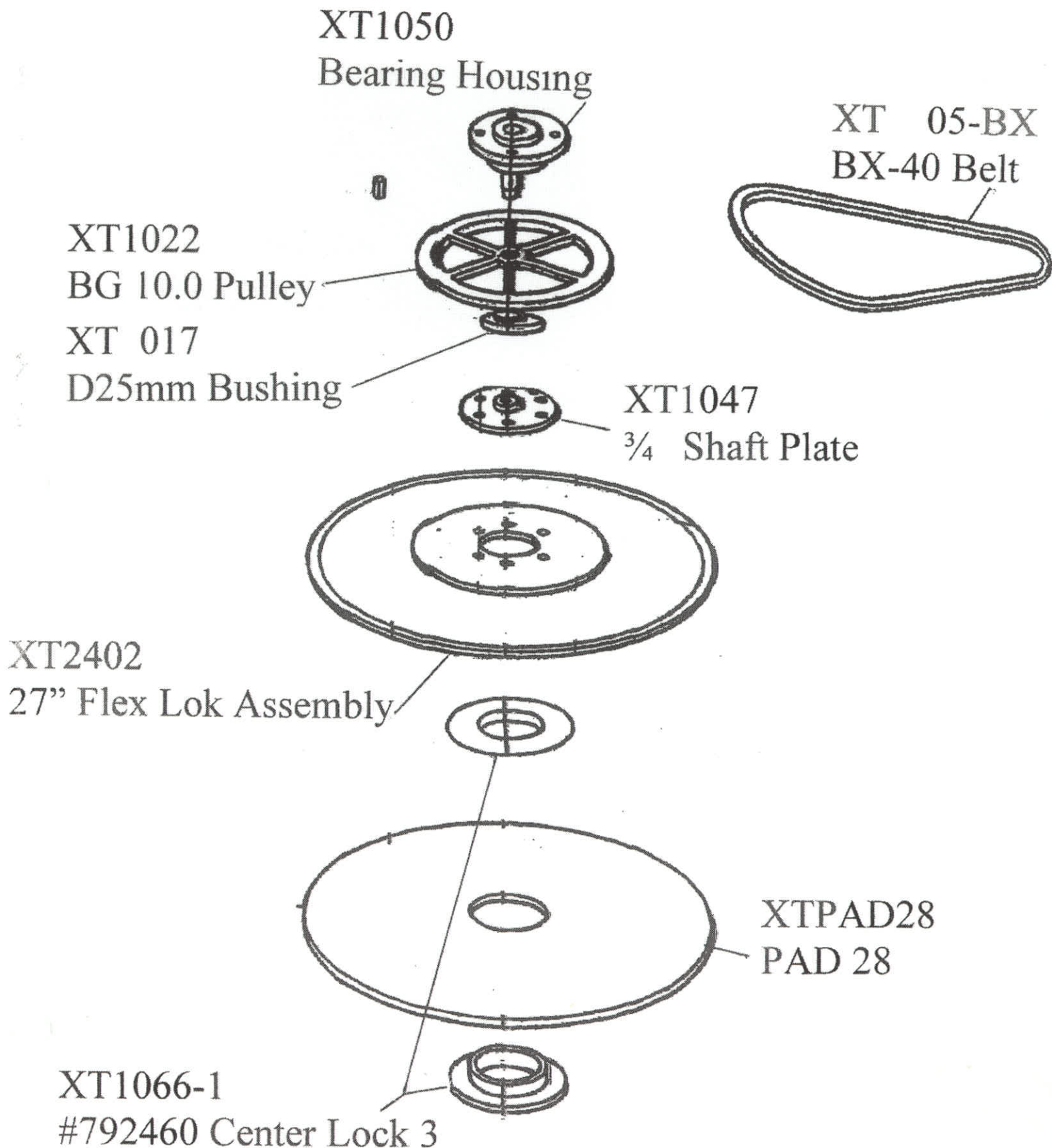
XT27



Additional Information / views



Drive Pulley & Flex-Lok Assembly



HI PERFORMANC "NEW GENERATION" Prod Item Price
BURNISHER

Components:

LT	Component	Description	Quantity	UM
	XT1004	28" DURACOAT DECK	1	EA
	XT2032	7/16 ZINC LOCK WASHER	4	EA
	XT2033	7/16 SAE GB FLAT WASHER	4	EA
	AS26/32278	1/2 SAE FLAT WASHER	2	EA
	XT1071-1 E012180	SM. BELT TENSIONER / FS0111 E010459	1	EA
	AS26/32212	3/8-16X1.25 BOLT - HH	1	EA
	AS26/32292	3/8 LOCK WASHER	4	EA
	XT1022	BG 10.0 PULLEY	1	EA
	XT1017	D25mm BUSHING / QT25mm	1	EA
	XT1018	BC 35*1 PULLEY	1	EA
	XT1105-BX E012186	BX40 BELT E010107	1	EA
	XT1051	ADJUSTABLE WHEEL BRACKET	2	EA
	XT6000	5/16-18 x 1 1/4 BOLT	8	EA
	AS26/32284	5/16 FLAT WASHER	8	EA
	AS26/32293	5/16 LOCK WASHER	8	EA
	XT1073 E012181	6" WHEEL w/BUSHING	2	EA
	XT2163	5/16 JAM NUTS	2	EA
	XT2164	5/16-18 X 2 1/2 UNC GR 8 ALLOY	2	EA
	XT1601 E012197 E012198	MOTOR, ELECTRIC 36V	1	EA
	AS26/32282	3/8 SAE FLAT WASHER	8	EA
	XT6001	1/4-20x1 BOLT	8	EA
	AS26/32290	1/4 LOCK WASHER	8	EA
	XT1501	BATTERY TRAY FOR 27"	1	EA
	AS26/32211	3/8-16X1.00 BOLT-HH	4	EA
	AS26/32292	3/8 LOCK WASHER	4	EA
	XT1503	HEAT SINK	1	EA
	XT6002	1/4-20 x 1 1/4 BOLT	2	EA
	AS26/32290	1/4 LOCK WASHER	2	EA
	XT1910	BRUSHLESS DC FAN	2	EA
	XT6009	6/32 x 1 1/4 SCREW	8	EA
	XT2184	6-32 UNC ELASTIC LOCKNUT	8	EA
	XT6003	18 GA. GREEN WIRE	6	FT
	XT6004	18 GA. YELLOW WIRE	6	FT
	XT1913	FEMALE CONNECTOR (#35C5062)	2	EA
	XT6011	1/2" LOOM	1	EA
	XT1801 E012204	EDGE TRIM (#75001309)	16	FT
	XT1602 E012199	CONTROLLER, MOTOR	1	EA
	XT2040	1/4 20x1 UNC GR 5 HHCS	4	EA
	AS26/32290	1/4 LOCK WASHER	4	EA
	XT1912	MOLEX (20) PIN CONNECTOR	1	EA
	XT1913	FEMALE CONNECTOR (#35C5062)	7	EA
	AS26/32319	10GA RED PRI WIRE	6	IN
	AS26/32312	TERMINAL, 12-10GA YELLOW VINYL	3	EA
	AS26/321371	CIRCUIT BREAKER - 70 AMP	1	EA
	XT6010	10 GA. BLACK WIRE	1	EA

E012486
E012545

Hood Latch P3006
Wire Harness XT6023

2

AS26/32312		TERMINAL, 12-10GA YELLOW VINYL	1	EA
AS32700	E011230	SOLENOID (36VOLT) <i>use E012592</i>	1	EA
AS26/32290		1/4 LOCK WASHER	2	EA
XT6003		18 GA. GREEN WIRE	1	FT
AS26/32318		16-14GA TERMINAL	2	EA
XT6005		18 GA. RED WIRE		EA
AS32400		SB175A CONN.#4 GRAY DISCONNECT	1	EA
AS26/32290		1/4 LOCK WASHER	2	EA
AS26/32319		10GA RED PRI WIRE	20	IN
XT6007		FEMALE QUICK SLIDE #5068	1	EA
XT6008		FEMALE QUICK SLIDE #5067	1	EA
XT6005		18 GA. RED WIRE	6	EA
XT6005		18 GA. RED WIRE	2	EA
XT6006		18 GA. WHITE WIRE	6	FT
AS26/32312		TERMINAL, 12-10GA YELLOW VINYL	2	EA
XT6005		18 GA. RED WIRE	6	EA
AS26/32710	E011563	BATTERY - 6 VOLT, 225 A.H. (C20)	6	EA
XT2087		NYLON CABLE TIE, AF523	6	EA
XT1502-1	E012585	HANDLE	1	EA
AS26/32283		3/8 USS FLAT WASHER	6	EA
XT5014		3/8-16 SPINLOCK NUT	2	EA
XT5060		HEAVY DUTY ZINC PLATE CATCHES	2	EA
XT2183		6/32 x 1/2 PAN HD PHIL SCREW	8	EA
2184		6-32 UNC ELASTIC LOCKNUT	8	EA
XT1504		SAFETY SHUT-OFF HANDLE	1	EA
AS26/321725		SCRUBBER PALLET (36"x6')	1	EA
AS26/321700		SHIPPING BOX (SCRUBBER)	1	EA
XT2700		CHARGER PLUG LABEL	1	EA
XT2701		SMART WATERING SYSTEM LABEL	1	EA
XT2702		"ON" LABELS	1	EA
XT2703		"OFF" LABELS	1	EA
XT1901		27" MACHINE SHROUD (SET)	1	EA
XT1700	E012200	MILLENIUM 18-CELL SPW SYSTEM	1	EA
XT1701	E012201	REG. HOSE SYSTEM w/CONNECTOR	1	EA
XT5050	E012202 11565	3" STAINLESS STEEL SPRING	2	EA
AS32930		36V 20AMP SB175 CONN.#4 GREY	1	EA
XT1134		REVERSE BUTTON	1	EA
XT2402-27	E012203 PE50039	27" FLEX LOK ASSEMBLY <i>PAD DRIVE COMP</i>	1	EA
XT1066-2	E012204 E012517	#792460 CENTER LOCK 3	1	EA
XTPAD28		PAD28	1	EA
XT2000	E012215	RED KILL SWITCH (#091130-02)	1	EA
AS26/321372	E011529	ROCKER SWITCH	2	EA
AS321210	E010865	36 VOLT SYSTEM GAUGE	1	EA
XT1800		TOGGLE CLAMP #133-070558	2	EA
1078-2		BUMPER GUARD (DK. BLUE)	6	FT
XT1079		POWERBUFF DECAL (SMALL)	3	EA
XT2600	E012237	3" CASTER w/GRAY RUBBER	2	EA
XT2404		REVERSE & REMOVE PAD DRIV. LAB	1	EA

X