

GENUINE

INTERCHANGE[®]
BRANDS, LLC

PACKAGING
SUPPLIES

Operator's Manual

Pneumatic Carton Closing Staplers



SAB100-A

Item No. 64320

1-3/8" Crown Carton Closing Stapler
5/8" and 3/4"
(15mm and 18mm)

Ask for
Genuine
INTERCHANGE[®]
A58 and A34
Staples



SAB150-C

Item No. 64330

1-1/4" Crown Carton Closing Stapler
5/8" and 3/4"
(15mm and 18mm)

Ask for
Genuine
INTERCHANGE[®]
C58 and C34
Staples



NOTE: Please read and fully understand the instructions in this manual before operating the stapler. Carefully read through this OPERATOR'S MANUAL to ensure efficient, safe operation. It is recommended that the MANUAL be kept readily available as an important reference when using this tool.

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NOTICE: The parts listed in this manual are for service assembly and for reference. Changes to the tool and drawing may be made without notification.

Most parts are available. Contact your local dealer for more information.

WARNING: When the tool needs repairing or servicing, it is strongly recommended that you contact your local dealer. Do not disassemble the tool yourself, which might waive your right for product guarantee.

Tool & Fastener Information

Stapler Specifications: SAB100-A & SAB150-C

Tool Dimensions - Length x Width x Height	12.60" x 4.53 x 8.86" (320mm x 115mm x 225mm)
Weight (without fasteners)	5.47 lbs. (2.48 kgs.)
Magazine Capacity	100 Staples

Compressed Air:

Recommended Operating Pressure	70 to 100 psi (5 kg/cm ² to 7 kg/cm ²)
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A Staple Specifications:

Crown	1-3/8" (35mm)
Length	5/8" and 3/4" (15mm and 18mm)

C Staple Specifications:

Crown	1-1/4" (32mm)
Length	5/8" and 3/4" (15mm and 18mm)

Applications:

Carton Closing

Safety Instructions



Important Safety Instructions for Operating Staplers READ ALL INSTRUCTIONS



DANGER



1. **NEVER USE IN PRESENCE OF FLAMMABLE LIQUIDS OR COMBUSTIBLES.** Never use any type of flammable gases or oxygen as a power source for the tool. Use filtered, lubricated, and regulated compressed air only.
2. **NEVER USE GASOLINE OR OTHER FLAMMABLE LIQUIDS TO CLEAN THE TOOL.** Vapors in the tool may ignite by a spark and cause the tool to explode.
3. **DO NOT EXCEED** maximum permissible operating pressure of the tool (114 psi / 8kg/cm²).
4. **DISCONNECT THE TOOL FROM AIR SUPPLY** before cleaning, clearing jams, servicing, adjusting, and when not in use.

WARNING



5. **OPERATORS AND OTHERS IN WORK AREA MUST WEAR SAFETY GLASSES WITH SIDE SHIELDS.** Ear and head protection may be needed in some work environments.



6. **DO NOT USE A CHECK VALVE** or any other fitting that allows air to remain in the tool.
7. **ALWAYS CARRY THE TOOL BY THE HANDLE ONLY.** Never carry the tool by the hose or pull the hose to move the tool. Do not pull the trigger when carrying or holding the tool.
8. **DO NOT PLACE YOUR HAND OR ANY PART OF YOUR BODY IN THE STAPLE CLINCHING AREA** or adjustment window of the tool when connecting or disconnecting air supply.
9. **NEVER POINT ANY OPERATIONAL DRIVING TOOL AT YOURSELF OR AT ANY OTHER PERSON.**



Operating Instructions

Lubrication and Maintenance



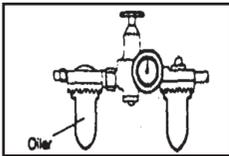
NOTE: Your tool requires lubrication before you use it for the first time.



1. Disconnect the air supply from the tool before lubricating.



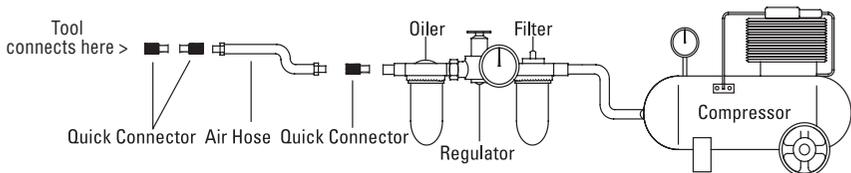
2. Turn the tool so the inlet is facing up and put one drop of Interchange Tool Oil or 3-in-1 oil into air inlet. Never use detergent oil or additives. Operate the tool briefly after adding oil.



3. Wipe off excessive oil at the exhaust. If in-line oiler is used, manual lubrication through the air inlet is not required on a daily basis.

Air Supply and Connections

NOTE: The following illustration shows the correct mode of connection to the air supply system, which will increase the efficiency and life of the tool.



- **Oiler:** Using an oiler may increase oil circulation through the tool, which may increase the efficiency and life of the tool. If you use an oiler, it is recommended to check the oil level daily.
- **Filter:** Using a filter may help increase the efficiency of the tool and remove liquid impurities that can rust or wear internal parts of the tool. If you use a filter, it is recommended to check the filter daily and drain if necessary.

Operating Instructions

Loading the Tool



1. Disconnect the air supply.



2. Pull pusher back until it stops on pusher pivots then rotate pusher to position for loading staples.

3. Insert 2 sticks of appropriate staples into the magazine from the back. Let the sticks slide forward to the front of the magazine.



4. Pull pusher back to upright position and gently let the pusher slide forward against the staples. Do not let the pusher slide forward and strike the staples at high speed as this may deform the staples or damage the tool.



Check Staple Leg Length

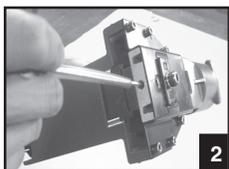


1. Disconnect the air supply.

STAPLE LENGTHS	15MM (5/8")	18MM (3/4")
ROD POSITION		

2. Loosen set screw with 3mm hexagon wrench key.

4 & 5



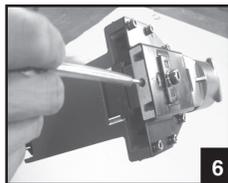
3. Turn adjusting rod 180° with a screw driver to the desired adjustment.

4. If you want to shoot 3/4" / 18mm leg staples, position "L" on the adjusting rod up.



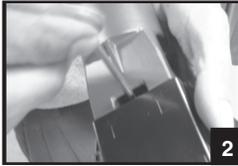
5. If want to shoot 5/8" / 15mm leg staples, position "S" on the adjusting rod up.

6. Tighten set screw.

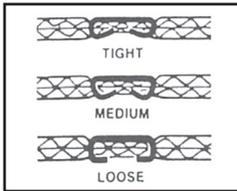


Operating Instructions

Clinch Adjustment

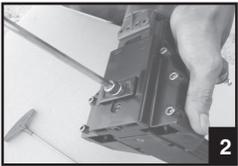


1. Disconnect the air supply.
2. Use rod diameter 3mm or 2.5mm hexagon wrench key. Turn collar through window clockwise to clinch.



3. Remove adjusting tool after adjustment is made.

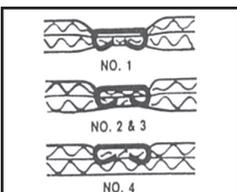
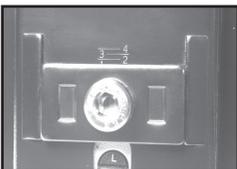
Depth Adjustment



1. Disconnect the air supply.
2. Loosen front screw with 6mm hexagon wrench key.



3. Push the body up and adjust to desired depth.
 - a. When the top edge of adjustment plate is at its highest setting, the teeth are at their shallowest penetration.
 - b. When the top edge of adjustment plate is at its lowest setting, the teeth are at their deepest penetration.



Operating Instructions

Operating the Tool

WARNING: To prevent accidental injuries: never place a hand or any other part of body in staple clinching area or adjustment window. Never point tool toward anyone else. Never engage in horseplay. Always handle the tool with care. Never pull trigger unless tool is in positioned over carton. Protect your eyes and ears: wear safety glasses with side shields and wear hearing protection. Employers and users are responsible for ensuring the user or anyone near the tool wear this safety protection and follow these safety precautions.

NOTE: Check and replace any damaged or worn components on the tool.



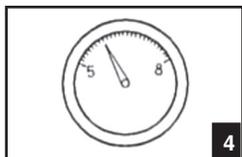
1. Disconnect the air supply



2. Add a few drops of Interchange Tool Oil or 3-in-1 oil into the air inlet.



3. Install a quick connect fitting to the tool.



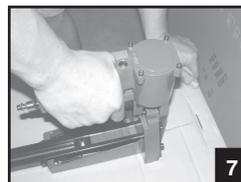
4. Regulate the air pressure to obtain 85psi / 6kg/cm² at the tool.



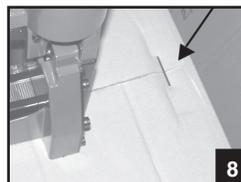
5. Insert staples into your tool following the Instructions for loading the tool.



6. Reconnect the air hose to the tool.



7. Grasp handle with one hand. Position the tool on the box in line with the desired staple location. There is a small projection on either side of the magazine seat as an aid in locating the position of the staple. Press trigger and move tool to next staple location with or without releasing trigger.



8. Strongest closure requires end staples to be placed close to the end of the box. Adjustments for depth of penetration and tightness of clinch are easy and on page 7.

Note: Check staple clinching by testing the tool on samples of box board before being used in a work environment.

Operating Instructions

Cleaning the Tool



DANGER: Never use gasoline or other flammable liquids to clean the tool. Vapors in the tool may ignite a spark and cause the tool to explode and may result in death or serious personal injury.



1. Disconnect the air supply from the tool.



2. Remove tar build up with kerosene, #2 fuel oil, or diesel fuel. Do not allow solvent to get into the cylinder or damage may occur. Dry off the tool completely before use.

Trouble Shooting

Clearing a Jam from the Tool



1. Disconnect the air supply.



2. Pull pusher back and rotate to locked position.



3. Release magazine unit, with flat head screw driver, then clear the jam.



4. Reassemble magazine unit.

Trouble Shooting

WARNING: Stop using the tool immediately if any of the following problems occur. Serious personal injury could occur. A qualified person or an authorized service center must do any repairs or replacements.

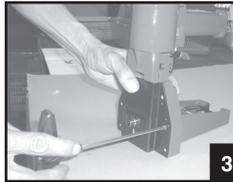
PROBLEM	CAUSE	REMEDY
Air leakage from trigger	O-rings on valve or on tube are damaged.	O-rings must be replaced.
Air leakage from exhaust port	O-rings on valve or on tube are damaged.	O-rings must be replaced.
	Piston's O-ring is damaged.	O-ring must be replaced.
Air leakage from cylinder	Piston rod port O-ring is damaged.	Replace the O-ring.
Slow and short travel cycling	Check for loose screws and worn parts.	Position eccentric pin and tighten screw. Recheck. For maximum efficiency, make a slight adjustment of the pin: upward direction if short travel occurs and downward direction if slow cycling occurs.
Excessive jams	Slow and short travel cycling.	Check as noted in slow and short travel cycling section.
	Teeth screws loose.	Tighten screws.
	Staple size is wrong.	Use the proper size staple.
	Insufficient lubrication.	Clean and lubricate tool.
Uneven clinch	Wrong staple size.	Check for proper leg length adjustment and clincher size.
Unclinched staple	Teeth are loose.	Tighten teeth.
	Teeth are broken.	Replace teeth.
	Slow and short travel cycling.	Check as noted in slow and short travel cycling section.

Tool Maintenance

Teeth Replacement



1. Disconnect the air supply.
2. Remove the magazine unit with flat head screw driver.
3. Loosen screw with 4mm hexagon wrench key.



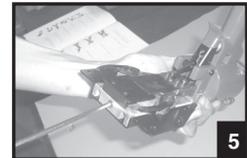
4. Remove the magazine seat.
5. Loosen screws with 3mm hexagon wrench key. Change teeth one at a time to prevent reversing the direction of the teeth.



Driver Replacement



1. Disconnect the air supply.



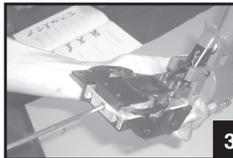
2. Take off the magazine unit with flat head screw driver.



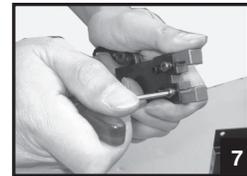
3. Loosen screws with 4mm hexagon wrench key.



4. Remove the magazine seat.



5. Loosen set screw with 3mm hexagon wrench key to unlock adjusting rod.



6. Slide linkage mechanism and adjusting rod simultaneously from collar.



7. Loosen screws with 3mm hexagon wrench key. Take off the spring pin with hammer and 6mm straight rod.

Tool Maintenance

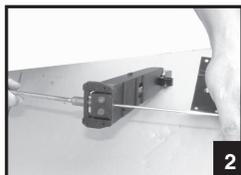
Pusher Spring Replacement



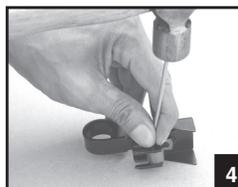
1. Take off the magazine unit with flat head screw driver.



2. Loosen screw and nut with 2.5mm hexagon wrench key and 7mm socket wrench.

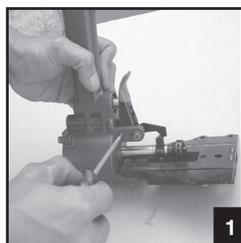


3. Loosen rod with 6mm offset wrench and remove pusher guides. Remove pusher.



4. Remove spring pin with hammer and 4mm straight rod.

Valve and Tube O-ring Replacement

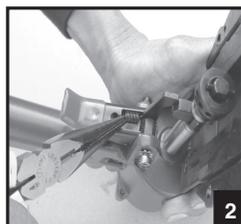


1. Loosen screws with flat screw driver.



2. Remove spring with a long nose pliers.

3. Remove c-ring with a c-ring pliers.



4. Remove valve and tube with a long nose pliers.



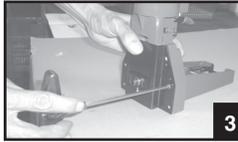
5. Replace valve and tube with new ones and reassemble tool.

Tool Maintenance

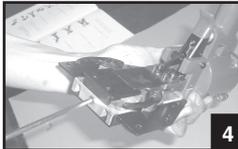
Piston Replacement



1. Disconnect the air supply.
2. Remove the magazine assembly with a flat head screw driver.



3. Remove screws with 4mm hexagon wrench key.



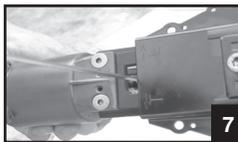
4. Loosen set screw with 3mm hexagon wrench key to unlock adjusting rod.



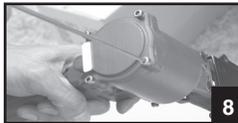
5. Slide linkage mechanism and adjusting rod simultaneously from collar.



6. Loosen spring pin with 3mm straight rod, then remove collar and spring.



7. Loosen screw with 3mm hexagon wrench key to remove block through window.



8. Loosen screws with 3mm hexagon wrench key. Remove cap.



9. Remove piston assembly. Loosen nut with 10mm spanner. Remove piston and exchange with a new one.

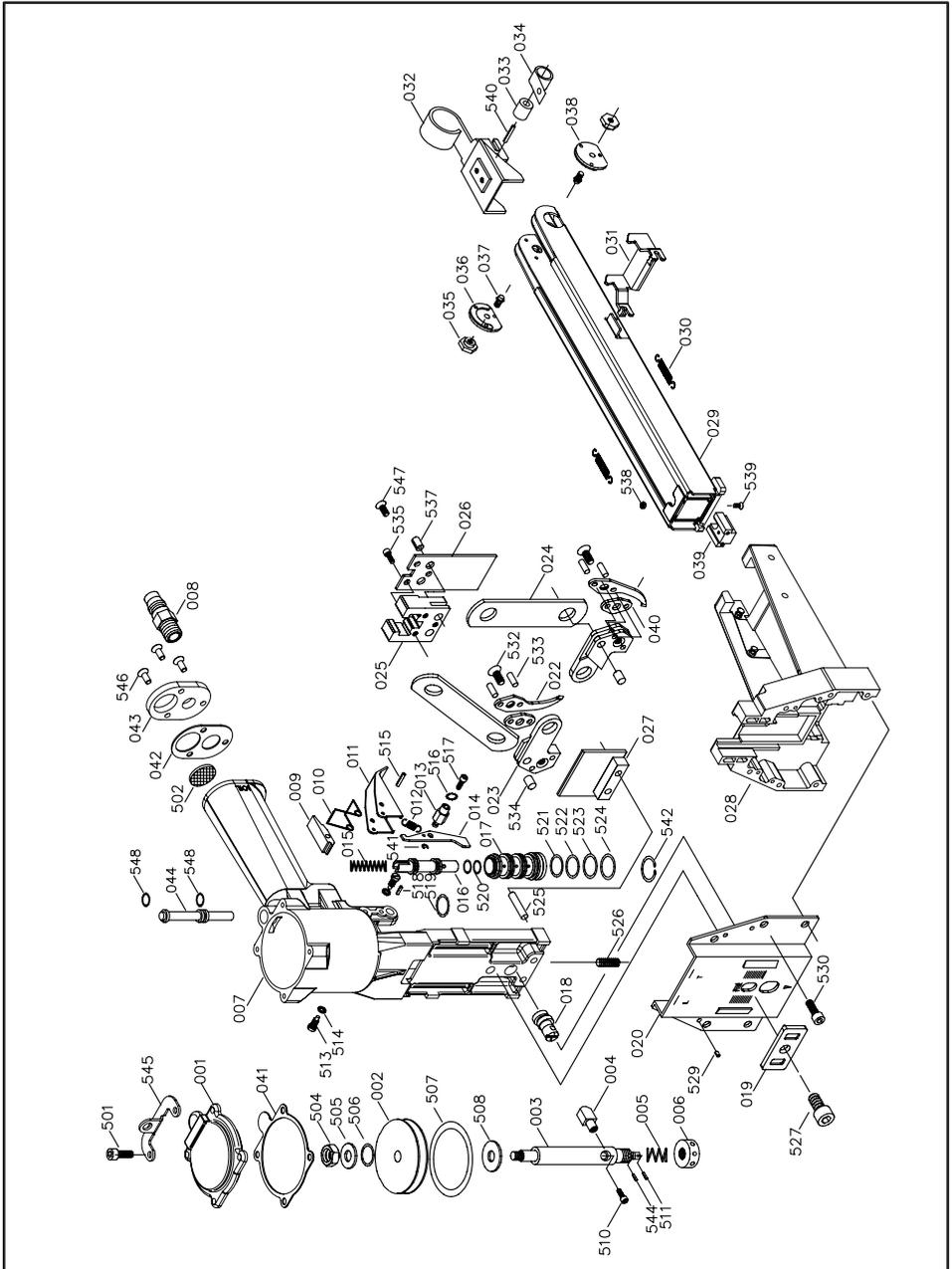
Parts List

NO.	CODE	QTY	Description	NO.	CODE	QTY	Description
001	A00100107	1	CAP	042	A00106001	1	WASHER
002	A00100201	1	PISTON	043	A00105801	1	COVER
003	A00100301	1	PISTON ROD	044	A01900401	1	SHAFT
004	A00100401	1	BLOCK	501	BAC0604142	4	HEX.SOC. HEAD BOLT
005	A00100501	1	SPRING	502	BA11401	1	SILENCER
006	A00100601	1	COLLAR	504	BAD02061	1	HEX.NUT
007	ADCSY-P31	1	BODY UNIT	505	BAE06094	1	WASHER
008	A00100802	1	AIR PLUG	506	BAB017076	1	O-RING
009	A00100902	1	BLOCK	507	BAB053438	1	O-RING
010	A00101001	1	SPRING	508	A00104101	1	WASHER
011	A00101101	1	TRIGGER	510	BAC0604102	1	HEX.SOC. HEAD BOLT
012	A00101201	1	SPRING	511	BAA025014	1	SPRING PIN
013	A00101301	1	ROD	513	A00104401	2	TRIGGER SCREW
014	A00101402	1	TRIGGER'S CONTROL	514	BAE01042	2	SPRING WASHER
015	A00101501	1	SPRING	515	BAA030020	1	SPRING PIN
016	A00101601	1	VALVE	516	BAE02042	1	OUTSIDE TEETH WASHER
017	A00101702	1	TUBE	517	BAC0404102	1	HEX.SOC. HEAD BOLT
018	A00101801	1	ADJUSTING ROD	518	BAA030010	1	SPRING PIN
019	A00101901	1	ADJUSTING PLATE	519	BAB017124	1	O-RING
020	A01102501	1	FRONT PLATE	520	BAB017076	2	O-RING
021	A00102102	1	RIGHT TEETH	521	BAB016145	1	O-RING
022	A00102202	1	LEFT TEETH	522	BAB016150	1	O-RING
023	A00102301	2	TEETH SEAT	523	BAB016155	1	O-RING
024	A00102401	2	PLATE	524	BAB016160	1	O-RING
025	A00102502	1	BLOCK	525	A00104701	2	ROD
026	A00102605	1	DRIVER	526	BAC0306142	1	HEX.SOC. HEADLESS BOLT
026	A01201706	1	DRIVER	527	BAC0608162	1	HEX.SOC. HEAD BOLT
027	A00102703A	1	COVER UNIT	529	BAA030010	4	SPRING PIN
028	A02100407A	1	MAGAZINE SEAT	530	BAC0605142	2	HEX.SOC. HEAD BOLT
029	HAA-19-35-P7-SD	1	MAGAZINE	532	A00106201	2	HEX.SOC. FLAT COUNTER SUNK HEAD SCREW
029	HAA-19-32-P7-SD	1	MAGAZINE	533	A00104501	4	PIN
030	A01102403	2	SPRING	534	A00104602	2	PIN
031	A01102201	1	BRACKET	535	BAC0604102	2	HEX.SOC. HEAD BOLT
032	A00103709A	1	PUSHER UNIT	537	BAA060016-R	2	SPRING PIN
032	A00103710A	1	PUSHER UNIT	538	BAD01041	1	LOCK NUT
033	A00103501	1	ROLLER	539	BAC0404202	1	HEX.SOC. HEAD BOLT
034	A00103401	1	SPRING	540	BAA040016	1	SPRING PIN
035	A00607101	2	ROD UNIT	541	BAF10252	1	E-RING
036	A00103903A	1	RIGHT PUSHER GUIDE	542	BAF22002	1	C-RING
037	A00103203	2	ROD	544	A00104901	1	PLASTIC PIN
038	A00103904A	1	LEFT PUSHER GUIDE	545	C0191201	1	COUNTER BALNCR HANGER
039	A00607501	1	BRACKET	546	BAC0204122	3	HEX.SOC. FLAT COUNTER
040	A00105001	2	WASHER	547	BAC0204062	1	HEX.SOC. FLAT COUNTER SUNK HEAD SCREW
041	A00105901	1	WASHER	548	BAB019058	2	O-RING

Pneumatic Carton Closing Staplers

Model No. SAB100-A
& SAB150-C

Parts Drawing



SAB100-A, SAB150-C Parts Drawing (09-1-14)

Limited One (1) Year Warranty for Staplers

Our products are designed and constructed using the highest standards of both material and workmanship. We warrant to the original retail purchaser that their tools will be free from defects in material or workmanship for the warranty period of one year.

During the warranty period (which begins on the purchase date), we will repair or replace, at our option and expense, any product or part that is defective in materials or workmanship after examination by an Authorized Warranty Service Center, subject to the exceptions, exclusions and limitations described below. Any replacement product or part will carry a warranty for the balance of the warranty period applicable to the replaced product or part. A DATED SALES RECEIPT OR PROOF OF PURCHASE FROM THE ORIGINAL RETAIL PURCHASER IS REQUIRED TO MAKE A WARRANTY CLAIM. To make a warranty claim, you must return the product, with proper receipt/proof of purchase and return transportation charges prepaid, to us (your dealer) or an Authorized Warranty Service Center. We will perform our obligations under this warranty within a reasonable time after approval of the warranty claim.

WARRANTY EXCLUSIONS

The following warranty exclusions apply:

1. Normal wear parts are not covered under this warranty.
2. This warranty does not cover parts damaged due to normal wear, misapplication, misuse, accidents, improper storage, or damage resulting during shipping.
3. Products used in production/industrial applications are excluded from this warranty.
4. Labor charges, maintenance, or loss, damage and repairs resulting from improper operation are not covered by this warranty.

GENERAL WARRANTY CONDITIONS

This warranty will be honored, only if:

1. No evidence of abuse, abnormal conditions, accident, neglect, misuse or improper modifications or storage of the product exists; and
2. No deviations from following recommended operating instructions, specifications, and maintenance schedules exist. (Read Operator Manual for use, specifications, and maintenance instructions).

This warranty is the only warranty for the product and we disclaim all other warranties. Any implied warranties will be limited in duration to the applicable warranty period specified above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Your remedies are solely and exclusively as stated above. We shall in no event be liable for incidental, consequential, indirect or special damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. In no event, whether as a result of a breach of contract, warranty, tort (including negligence) or otherwise, shall our liability exceed the price of the product that has given rise to the claim or liability. Any liability connected with the use of this product shall terminate upon the expiration of the warranty period specified above. No employee or representative of any distributor or dealer is authorized to make any change or modification to this warranty.

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