PNEUMATIC DUAL COMPONENT MATERIAL APPLICATOR
OPERATING INSTRUCTIONS
COMBO TRIGGER VERSIONS

SAFETY:

This applicator is designed for heavy duty cycles over extended operating periods. As compressed air is used as the power source, operator fatigue is minimal, but it must be remembered that compressed air **CAN BE DANGEROUS** when used incorrectly. The user should take time to read and understand these operating instructions fully prior to using the applicator. Any modifications to the applicator made by the user will void the warranty and could cause personal injury.

ALWAYS:

- USE PROTECTIVE EYE & EAR EQUIPMENT WHEN OPERATING.
- WEAR A FACE MASK OR RESPIRATOR WHEN OPERATING.
- TEST THE FORWARD/REVERSE FUNCTION BEFORE LOADING A CARTRIDGE.
- DISCONNECT THE AIR SUPPLY BEFORE STARTING ANY MAINTENANCE/CLEANING TASKS.
- MAKE SURE CARTRIDGE IS LOADED PROPERLY
- USE A NEW STATIC MIXER.
- READ THE MATERIAL MANUFACTURER'S INSTRUCTIONS CAREFULLY.
- MAKE SURE YOU HAVE NOT CROSS-CONTAMINATED THE CONTENTS OF THE TWO CARTRIDGES AS IT MAY HAVE CURED IN ONE OF THE SIDES.

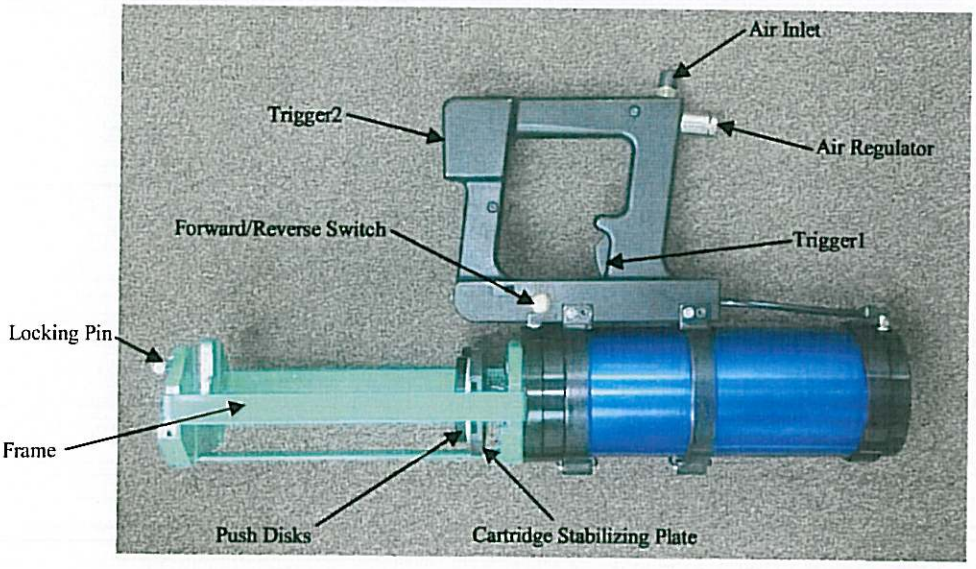
DO NOT:

- IMMERSE THE GUN IN SOLVENT.
- OPERATE THE GUN WITH LOOSE, BROKEN, OR MISSING PARTS.
- CARRY THE GUN BY THE AIR HOSE/LINE
- USE DAMAGED CARTRIDGES OR THE WRONG TYPE OF CARTRIDGE IN THE APPLICATOR.
- POINT THE APPLICATOR AT ANOTHER PERSON.
- DISASSEMBLE THE HANDLE AND ADJUST ANYTHING INSIDE.
- USE A STATIC MIXER THAT HAS MATERIAL INSIDE IT THAT HAS CURED.
- USE PARTIALLY EXTRUDED CARTRIDGES UNLESS YOU USE A NEW STATIC MIXER AND KNOW THERE IS NO CROSS-CONTAMINATION.
- USE EXPIRED MATERIAL OR MATERIAL THAT HAS CURED.

CONNECTING

Check the supply pressure. For optimum performance the supply pressure must be greater than 100 PSI. The applicator will work at lower supply pressures, but flow rates could be reduced and may vary. Connect the applicator to a suitable compressed air source using the fitting supplied, or with a suitable fitting. All applicators are fitted with a male 1/4" NPT thread.

PARTS OF THE APPLICATOR AND THEIR FUNCTION



A. AIR INLET
Where you connect the air line with the quick coupler (included).

B. AIR REGULATOR
The internal pressure regulator controls the sealant flow rate and ensures a stable flow of sealant is maintained. To increase the flow of sealant, turn the knob in the (+) direction. To decrease flow, turn the knob in the (-) direction.

C. TRIGGER1
Used primarily in vertical trigger position (pistol-grip style), but can also be used by pressing the trigger with your ring and pinky fingers while in the suitcase-grip style. By pulling the trigger, a cushion of compressed air is built up inside the applicator, which starts the flow of sealant. On releasing the trigger, the sealant flow ceases as the compressed air escapes rapidly by a quick exhaust valve at the rear of the gun.

D. TRIGGER2
Same function as TRIGGER1 except TRIGGER2 is used in horizontal trigger position (suitcase-grip style)

E. FORWARD/REVERSE SWITCH
Push the "Forward" button for extrusion of material. Push the "Reverse" button to pull the plunger rods back automatically and to "ready" the applicator for the next cartridge.

F. CARTRIDGE STABILIZING PLATE
Part of a patented system. "Locks" the back end of the various cartridge volume/mix ratio in place during extrusion.

G. PUSH DISKS
Part of a patented system. Refer to the enclosed Push Disk Alignment Chart for instructions on how to change to other mix ratios. Using incorrect push disks will damage the applicator, void the warranty and the cartridge will have blow back. Make sure the push disks are snapped in completely before use.

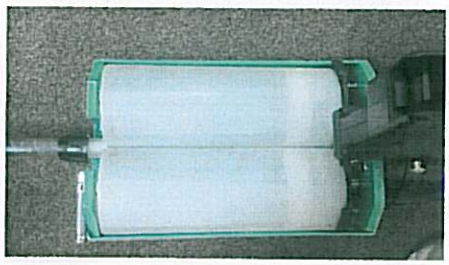
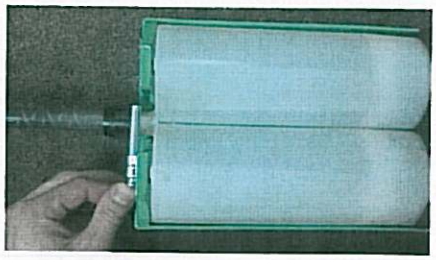
H. FRAME
Holds the cartridges during extrusion.

I. LOCKING PIN
Further "locking" of the cartridge, especially when used in the vertical trigger position (pistol-grip style) and the combo trigger and frame opening are on the same side.

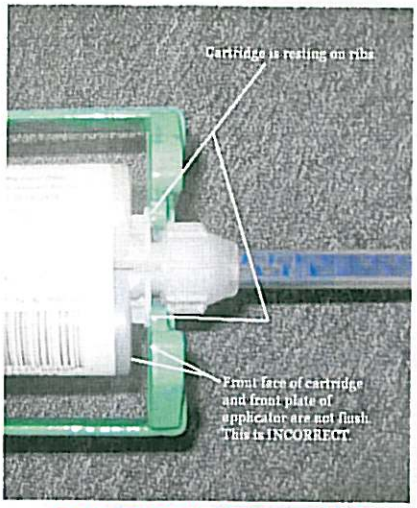
OPERATION

NOTE: If the cartridge is improperly made, there is a risk of the cartridge bursting open. For other risks associated with the particular cartridge you are using, **BE CAREFUL TO READ ALL OF THE INSTRUCTIONS AND WARNINGS OF THE MATERIAL YOU WILL USE IN THE APPLICATOR. IF YOU HAVE ANY QUESTIONS ON ANY OF THEM, CONTACT THE MATERIAL MANUFACTURER FOR CLARIFICATION.**

A. CARTRIDGE LOADING
Make sure the push disks being used match up to the cartridge volume/mix ratio. Place the open end of the cartridge into stabilizing plate first, then lower the front of the cartridge into the front plate/neck rest. Slide the locking pin over the cartridge neck.

It is important that the cartridge is seated properly in the applicator frame. If the front of the cartridge is not seated properly, breakage of the cartridge can result. The front face of the cartridge MUST BE FLUSH to the front plate of the applicator. If the cartridge does not seat properly, **DO NOT USE**.



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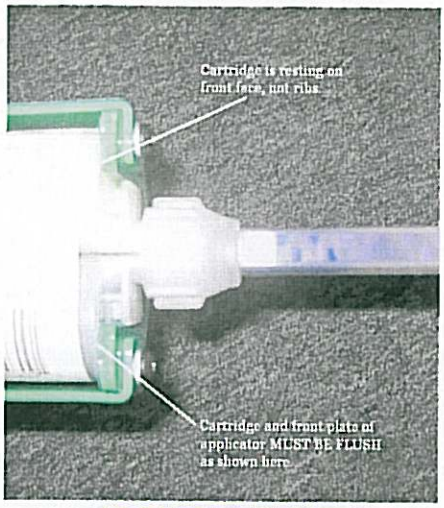

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B. ENGAGE THE PLUNGERS

Making sure the forward/reverse switch is in the forward position, press trigger2 to get the pistons to just touch the plungers inside the cartridge. This is especially important to do before rotating the gun and using the vertical trigger position (pistol-grip style) while the frame opening and combo trigger are on the same side. This helps to "lock" the cartridge in.

C. PRESS THE TRIGGER

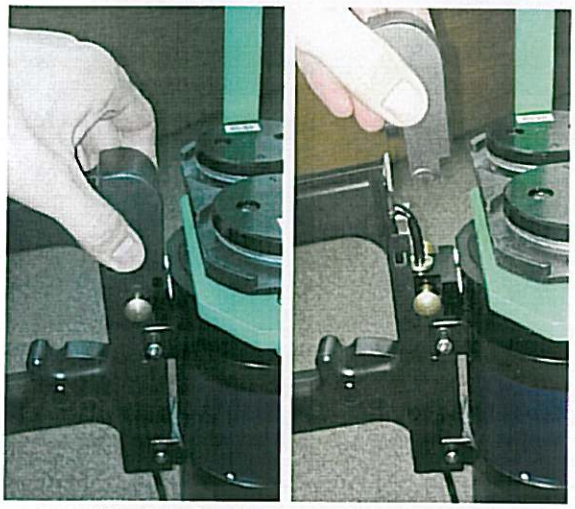
While remaining in the "forward" position, press and hold the trigger (trigger1 or trigger2 depending on which trigger position you are using) to extrude the material.

D. REMOVING THE SPENT CARTRIDGE

Push the "reverse" switch position, press and hold the trigger while the rods retract. You may remove the spent cartridge following the reverse of the steps above.

ROTATING THE COMBO TRIGGER

The gun is set up with the frame opening and combo trigger positioned on the same side (as shown above on the 1st page). If you prefer to have the frame opening on the opposite side of the combo trigger and will use the gun primarily in the vertical trigger position (pistol-grip style), you can quickly rotate the combo trigger with our patented system to achieve this.



Press side-tabs and remove forward/reverse switch cover

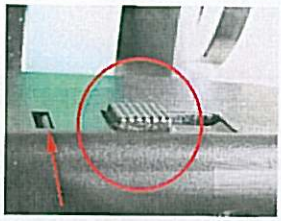
Disconnect hose to forward/reverse switch

Loosen 4 Allen screws on clamps holding combo trigger to cylinder (do not loosen completely, just enough so the clamps slide freely on the cylinder)

Slide the clamps and combo trigger together towards the back of the gun

Carefully rotate the forward/reverse switch, clamps/combo trigger and back cap of cylinder in small, incremental steps as the air hose between the switch and back cap are still connected

Once the switch, trigger and back cap are in the desired position, slide the clamps and trigger back up and reverse the previous steps. Make certain the forward/reverse switch cover is locked in correctly as shown below.



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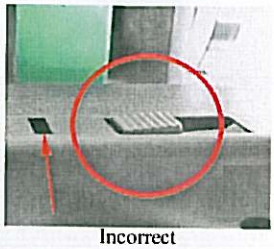

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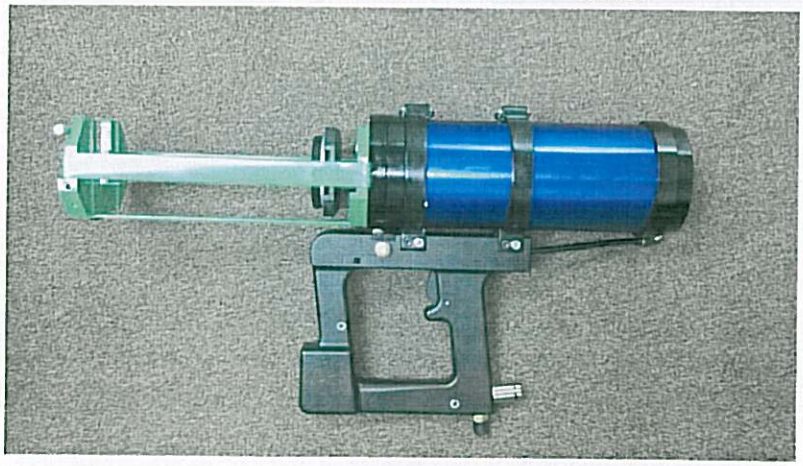

MAINTENANCE

Daily	Wipe the applicator using the material manufacturer's recommended solvent before it has time to set. Special care should be taken to make sure no residue is left on the rods.
Weekly:	Check the plungers and all external bolts and screws are tight. Tighten if found to be loose.
Monthly:	Lubrication of internal pistons and seals. Place 3 drops of air tool oil at the forward/reverse switch opening and at the elbow connection of the back cap. You must remove the forward/reverse switch cover and disconnect the hose (as shown in the instructions above on "Rotating the Combo Trigger") and you must disconnect the hose going into the elbow connection. Reconnect the hoses and cover and when next operated, the compressed air will blow the air tool oil into the inner workings of the gun.

Note: DO NOT use oil that contains Teflon or silicone as these could contaminate some materials that are dispensed with these applicators.