



## **INSTALLATION OF STATIC BAR ON 63601**

The following information is for the installation of an anti-static bar and static transformer on the Model 63601 Burster. It should be noted that these instructions are intended for a qualified service technician and should not be attempted by non-qualified personnel. If you have any questions please feel free to contact the Technical Service Division at Martin Yale Industries at (260) 563-0641. **Before starting the procedure verify that you have the following components:**

### **1.0 Necessary Tools and Components**

#### **TOOLS NEEDED:**

1. 7/16" Nut Driver
2. 9/64" Allen Wrench
3. 5/64" Allen Wrench
4. 3/8" Straight Wrench
5. 1/8" Allen Wrench
6. Roll of adhesive tape
7. Wire Crimpers

#### **COMPONENTS NEEDED:**

1. Static Transformer Assembly (Part #M-S63751439)
2. Static Bar Assembly (Part#M-S63751438)
3. (2) 1/4-20 Keps Nuts (Part#M-S63251449)
4. (2) #6-32 Keps Nuts (Part#M-S63251450)
5. (2) Double Male Connectors (Part#M-S63500179)
6. (2) Adhesive Wire Guides (Part#M-S045005)
7. (2) Wire Ties (Part#M-S043025)

### **2.0 Initial Disassembly**

**Note: Before performing any steps to the machine, use the electric length adjustment to move the burst carriage as close to the infeed as possible. This will open room in the area where the transformer will be installed.**

1. Begin the disassembly by removing the (2) 1/8" Allen set screws in the Dejam Handle of the machine. Remove the handle and set to the side.
2. On the bottom edge of the operator's side, remove the (2) 9/64" Allen screws that hold the side cover on. The side cover has locking tabs at the top, so once the screws are removed allow the cover to swing out and drop down so that it can be removed.



When the burst carriage is close to the input, there will be access to install the box

3. Remove the 5/64" allen screws from each strap on the exit side of the machine.  
**NOTE: As you remove each strap tape it to the machine so that it does not go back into the rollers.**

Straps must be removed and taped to the unit to be controlled before the static bar can be installed.



### 3.0 Static Transformer Installation

The approximate location of the mounting bolts for the transformer.

Ground screw



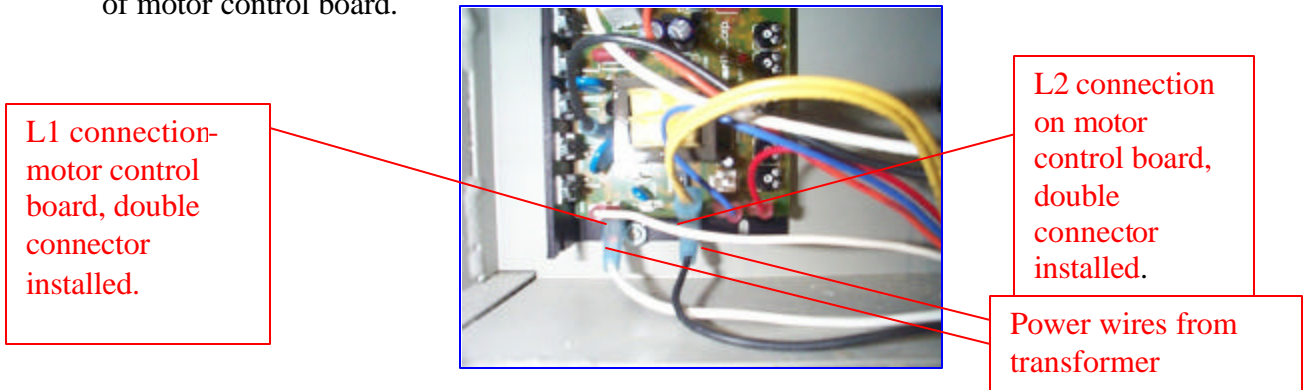
**NOTE: BEGIN PROCEDURE BY LOCKING OUT POWER TO THE UNIT.**

1. Begin by taking some steel wool or a scratch pad and cleaning as much powder coat as possible from the two bolts where the transformer will be mounted.

2. Attach the green ground wire coming from the transformer to the existing chassis-ground of the unit by removing nut and adding wire.
3. Mount the transformer into place and secure with (2) 7/16" bolts. Tighten both bolts securely..

### **3.1 Transformer Wiring**

1. Begin by disconnecting the white wire from the L1 connection on the motor control board. Add a double male connector to the existing blade connector on L1. Plug the white wire into the top blade of the connector.
2. Disconnect the double-yellow wires from the L2 connection of motor control board. Add the other double connector and plug the double-yellow wire back into the top blade of the connection.
3. Plug the white wire from the Static Transformer into the leftover connector on L1 of motor control board.



4. Plug the black wire from the motor control board into the leftover connector at L2 on the motor control board.
5. Crimp all connections on motor control board(L1 and L2.)

The transformer is now wired for power. It should be observed that this is a live electrical system at this point, and great caution should be exercised if power is reconnected to the machine during the service.

### **4.0 Static Bar Installation**

1. Align the static bar on the exit side of the machine so that the wiring harness will be on the same side as the static transformer.
2. Add Keps Nuts to the bolts of the static bar to secure it, but do not tighten.

3. Take the green wire on the static bar and put under the locking nut on the left side which holds the bar in place. This will serve as ground. It does not need to be filed. At this point both of the nuts can be tightened completely.

Attach the ground for the static bar to the left bolt that olds the bar in place



4. Route wiring for the bar through the frame of the machine, use the adhesive wire brackets to keep it from obstructing any moving parts on the machine.

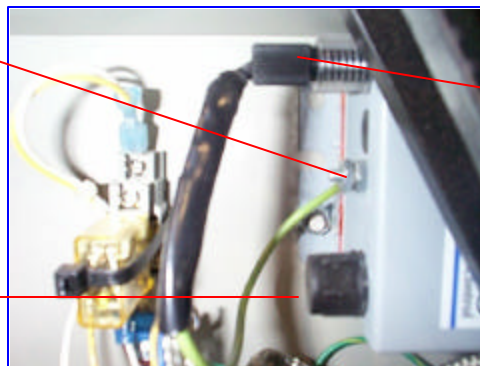
To the right is the routing for the static bar connection



#### **4.1 Static Bar Wiring**

1. Connect the green wire from static bar to the ground outlet on the static transformer.

Outlet cover must be removed from one outlet.



Anti-Static Bar connection cable

2. Remove the black cover on either outlet of the box (there are two.)
3. Insert the male connector from the static bar into the outlet. Push in securely. Tighten knob on static bar wire down onto the outlet.

At this point the component is installed and wired. Replace the side cover and handle. Resecure the straps to the machine and test for improvement.