

INSTALLATION AND OPERATION MANUAL

PART 1: INSTALLATION PROCEDURES

INSTALLING THE EVOLUTION I PRINTING SYSTEM

Caution should be taken while installing the EVOLUTION I printing system on your equipment. Digital Design Inc. has taken every precaution to ensure a safe and accurate instruction set to guide the installer through the installation process. Follow the operational guidelines in the installation procedures.

VERIFY THAT YOUR EQUIPMENT IS IN PROPER OPERATING CONDITION.

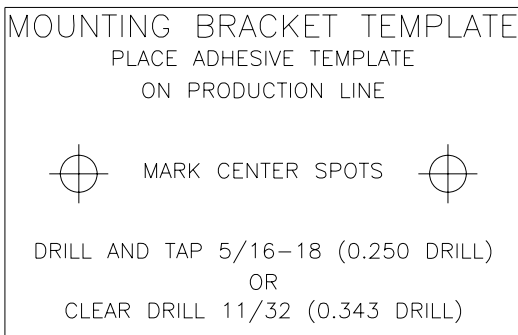
LOCATE A CONVENIENT POSITION ON YOUR EQUIPMENT. EVOLUTION I REQUIRES 4-1/2" OF SPACE ON THE PRODUCTION LINE.

FOLLOW THE INSTALLATION PROCEDURES.

READ CAREFULLY ALL INSTALLATION PROCEDURES BEFORE PROCEEDING.

INSTALL THE PRINTING SYSTEM ON YOUR EQUIPMENT. THERE IS NO EXTRA HARDWARE REQUIRED OTHER THEN THAT SUPPLIED IN THE INSTALLATION KIT.

MOUNTING ON PRODUCTION LINE



Locate the supplied mounting template and affix in a convenient location on the production line. Spot and drill both mounting holes for a 5/16" bolt. NOTE: the user may also thread the side of the conveyer using a 5/16" tap.

Fasten the mounting bracket to the conveyer using the supplied mounting hardware and ensuring that the supplied ground strap is located securely beneath either of the two mounting bolts, and that

conductivity to earth ground is less than 1 ohm. This ensures a proper path for static discharge, should the need arise.

EVOLUTION II MOUNTING OPTIONS

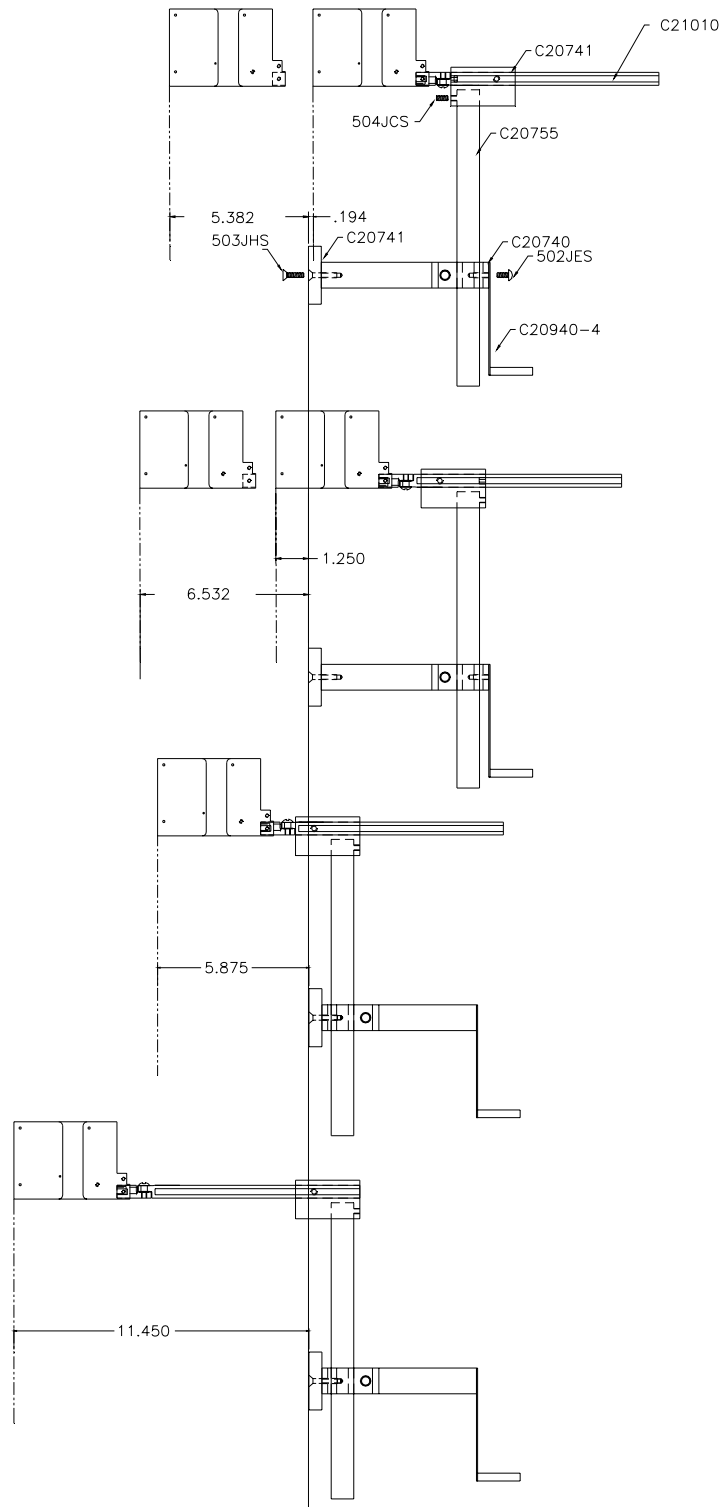
The EVOLUTION II mounting bracket assembly C21010 has a number of possible mounting configurations, which allows adaptability to a variety of production equipment.

The top cross slide bracket C20741 may be rotated 180 deg by loosening the included setscrew 504JCS and rotating the bracket. This allows the print head to be extended by just over 1". Although this is not a significant amount it might be helpful.

Refer to the first two pictorials to identify the various components of the mounting bracket system C21005.

Rotating the horizontal mounting bracket C20740 may further increase extension into the production line. The mounting centers for both the base block C20741 and controller holder C20940-4 are identical. Remove the two 502JHS flat head screws from the base block and the two 502JES button head screws, rotate the bracket and replace both the base block and controller holder.

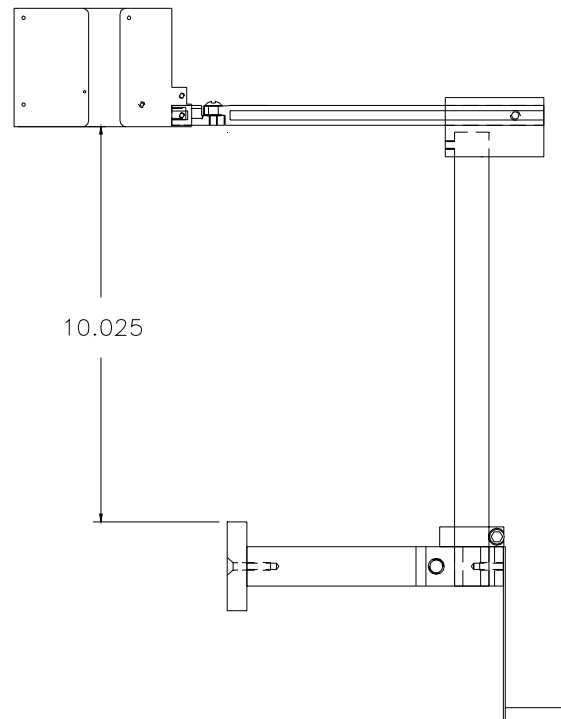
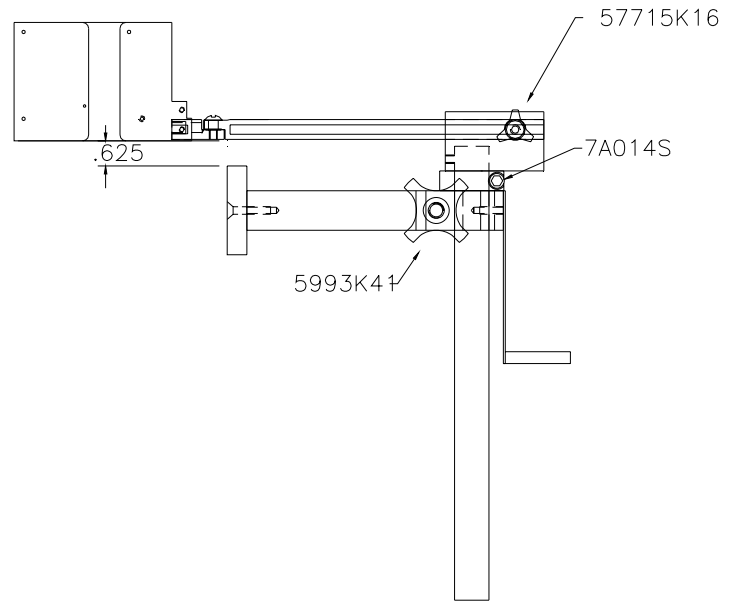
The above procedure allows for a print head displacement from .625" before the production line to 11.450" into the production line.



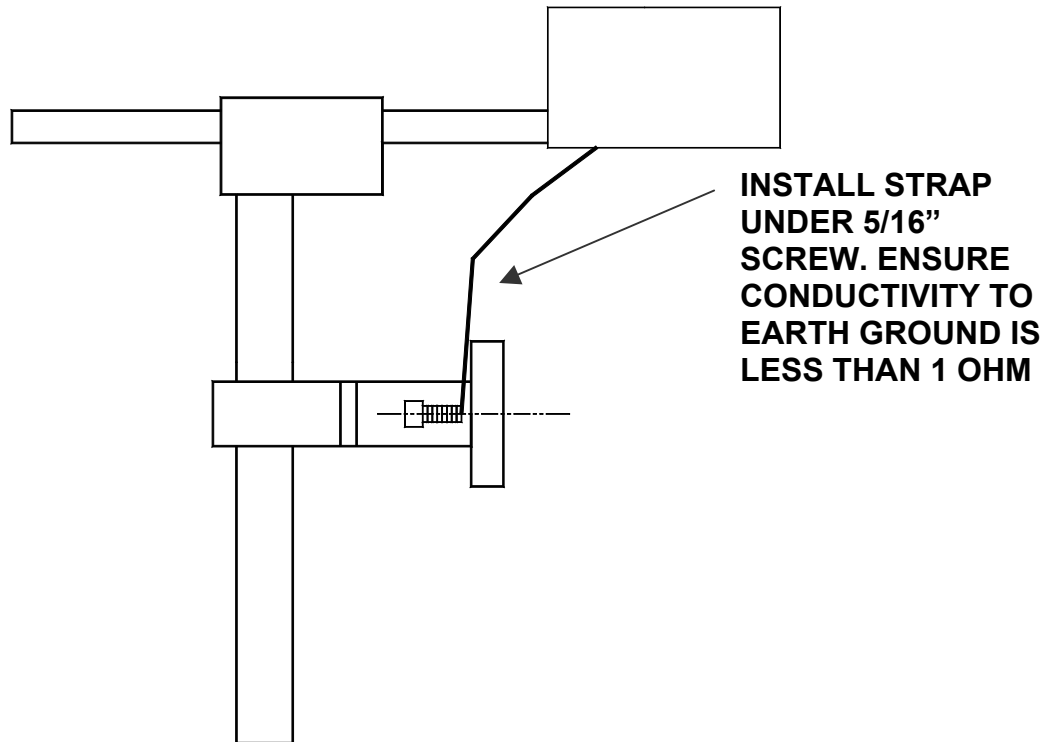
Vertical height adjustment for the EVOLUTION II print head is accomplished by loosening the included hand knob 5993K41.

Note that the hand knob may be mounted on either side of the horizontal mounting bracket depending on the orientation of the bracket. It should also be noted when rotating the cross slide assembly it is necessary to move the smaller hand knob 57715K16 to the other side of the bracket so it aligns with the flat on the horizontal extension rod.

After the mounting bracket is configured loosen the locking collar 7A014S and re-locate it against the horizontal extension bracket and tighten. This allows the user to loosen the horizontal mounting bracket-locking knob and rotate the assembly without losing the height adjustment.



GROUNDING STRAP INSTALLATION



INPUT POWER CONNECTION AND MODIFICATION

Insert the power plug to the available power source. The supplied power supply will auto detect 100/240 VAC 50-60Hz.

No other adjustments are necessary.



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