



1. Remove Dust Cover (2 screws).
2. Install Pen Rail with pen trays located in stalls 1-8.
3. Power up plotter.
4. After the power up sequence of lights, put the plotter in the internal diagnostic mode using the following key sequence: press and hold the ALT key. Before the carriage moves to stall #3, press and hold the RESET key while still holding the ALT key down. Hold until the carriage stops at stall #3. The VIEW, ON LINE and SPEED lights will be on. Press VIEW to enter the diagnostic mode. The VIEW, SCALE and ALT lights will be on.
5. Press SIZE. This will move the pen rail in and out. The SIZE light indicates the state of the home position limit switch (2 blinks per pen change cycle). The ALT light shows the state of the travel limit switch (1 blink per cycle). If the pen does not make a clean exchange, insert a 7/64 allen wrench into bottom hole located rear of keypad, above the serial cable. Turn right to raise height, left to lower, approximately 1/4 turn at a time.
6. When a clean exchange is reached, press RESET key twice.
7. To check adjustments for other pen locations, press ALT, CHARTHOLD, n (Pen number to be picked up), CHARTHOLD. The carriage will pick up the chosen pen and return to position #3.
8. To replace the pen, press ALT, CHARTHOLD, and CHARTHOLD.
9. Repeat steps 7 and 8 for other pen positions. It is not necessary to make adjustments for each pen position, however, it is a good idea to check various positions across the width of the plotter.