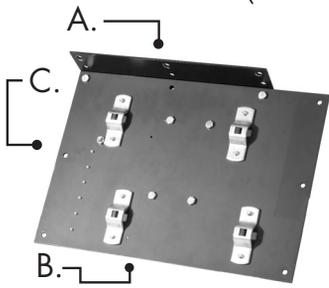


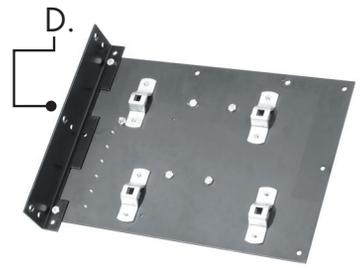


ABL-DX SYSTEM



This background roller system has the motors pop-riveted into the tubes and it has mounting support plates at each end. The attachment brackets for these plates are shipped for ceiling mounting (A) but can be moved for attaching to the wall (D).

Each roller unit has two mounting plates- one for the motor end mounting and one for the pillow block mounting (as shown in figure 1&2).



MOUNTING PLATES SIZES

Single roller- uses ABLC individual mounting plates (not shown): (side B) 4 1/2" wide, (side C) 3 3/4" high.

Two, three, or four roller plates- both of three plates measure: (side B) 15 1/4" wide, (side C) 10 5/8" high.

Five, six, seven and eight roller plates- both of these plates measure: (side B) 29 1/2" wide, (side C) 10 3/4" high.



Figure 1. Pillow Block Plate

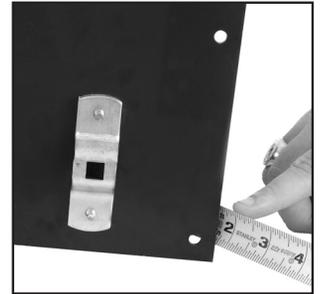


Figure 2. Motor Mounting Plate



1) (For wall mounting only) Remove the small angle-mounting bracket and remount it on the wall side of the plate with the same small bolts.

2) The small brackets can also be removed to mark the surface for the bolt-holes for pre-drilling.

3) Mount the motor end assembly on the right side using 3 1/2" or longer lag bolts or standard hex head bolts (not included) to the studs or beams.

4) Mount the bearing plate the same way in a parallel position to the motor end.

5) The distance between the two mounting plates will be 2 1/2" plus the roller size. (For example, on a 12' system, the distance between the plates is 146 1/2")

6) Insert the roller end into the pillow block plate first, and then slide the motor drive end into the square hold bracket. Secure it with the cotter pin provided- fig. 3.

7) Plug the motor unit into the studio wall outlet.

(NOTE: In referring to the right side, it is right side as you face it from the camera.)

TIPS ON ATTACHING BACKGROUNDS TO METAL ROLLERS

1). Lay background on the floor with the painted side up. Place the roller on top at the top and curl the canvas around the roller with the drive end of the roller on the right side.

2). Attach the canvas with 3" strips of duct tape across the seam every 18" starting in the middle and proceeding towards each side making sure no puckers develop in the canvas. Next, again starting in the middle, pull two solid strips of duct tape towards each end.

3). Insert roller end to the left into the bearing mounting plate all the way. Then slide the opposite end to the right and onto the motor drive shaft, rotating roller to fit the slot on the shaft.

4). Insert the hitch pins all the way through the small holes in each roller end, passing through the notch in the motor slot and securing the roller outside the other plate.



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THE DENNY ABL-DX LIMIT SWITCH ADJUSTMENT

The ABL-DX motor has a built-in switch easily permits setting both the UP and DOWN limits (stopping points) of the motorized system. The Limit switch can be adjusted as follows:

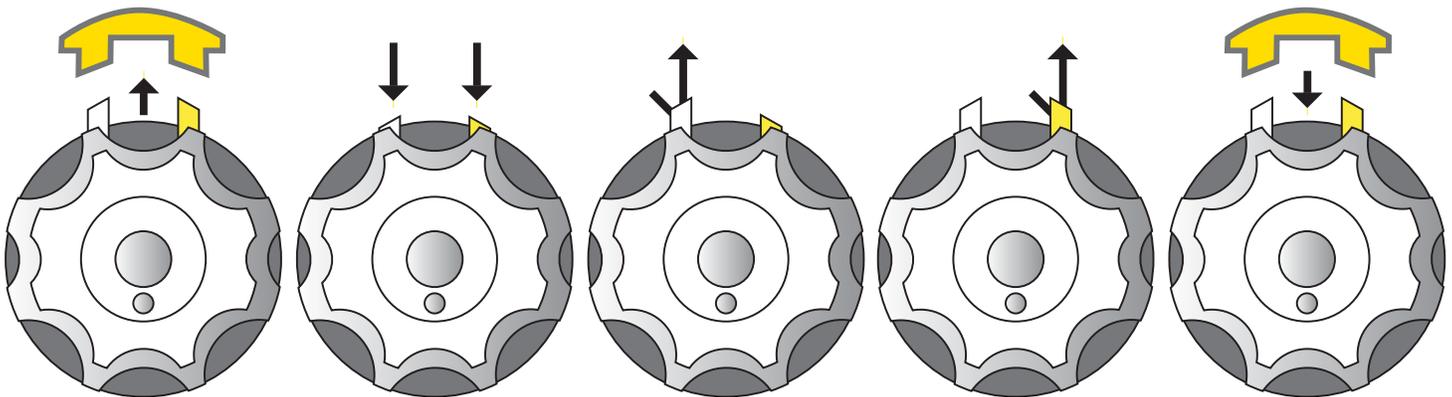
- 1) Ensure all switches are in OFF position on the control box.
- 2) Remove yellow protective cap from the head of the motor.
- 3) DEPRESS FULLY both motor limit switch buttons (white and yellow). They will automatically lock in the down position. Now, operate control box switches to ensure system operates correctly.
- 4) Identify the Up motor limit switch- push the button WHITE. Press control box switch to the up direction until the desired position is reached. Return switch box switch to the OFF position.
- 5) Unlock the UP motor limit switch button by depressing and releasing.
- 6) Repeat steps 4 & 5 until all the control box switches have been set for the UP limits.
- 7) Identify the Up motor limit switch- push the button YELLOW. Press the switch on the control box to the down direction until the desired position is reached. Next, return switch on the switch box to the OFF position.

**WHITE MOTOR BUTTON CONTROLS UP
YELLOW MOTOR BUTTON CONTROLS DOWN**

- 8) Unlock the down motor limit switch by depressing and releasing it.
- 9) Repeat steps 7 & 8 until all control box switches have been set for DOWN limits.
- 10) Replace yellow motor protective cap.

YOUR DENNY ROLLER SYSTEM SHOULD NOW BE READY TO OPERATE.

For continuous running such as seamless paper backgrounds, depress BOTH buttons (white & yellow) at the same time and system will travel continuously in both directions.



#2) Remove yellow motor cap

#3) Depress FULLY BOTH motor limit switches

#4) Setting the WHITE UP switches

#7) Set the DOWN YELLOW switch

#10) Replace yellow protective cap