

Summary	Replacing Motor Assembly – B3 & B4 Brake wires.				
Products Affected	All Rytec Roll Doors				
Key Word Tags	B3-B4, Brake, Motor, Replacement				
Tools/Equipment (If Required)					
Parts/Materials (If Required)	Replacement Motor (Part Numbers Will Vary)				
Related Media					
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Please Read The Entire Bulletin Before Proceeding

NOTE: Failure to read and understand this service bulletin may cause electrical damage to the motor and/or the control board. If you have questions please contact Rytec Customer Support at 1-800-628-1909.

When replacing the motor on a Rytec door please take note of the number of cables exiting the motor junction box. Some motors may have 2 cables running to the motor junction box. (1 gray, 1black) Other doors may only have a single gray cable. If the original motor and replacement motor have the same number of cables; disregard the remainder of the bulletin.

If you're replacing the motor and notice the motor you're replacing has 2 cables exiting the motor junction box while your replacement motor only has one. Re-use the existing black SO cord on the door originally. The black SO cord carries the B3(black wire) & B4(white wire) brake wires to the brake rectifier in the motor. The black SO may also have wire AC1(red wire) & AC2(green wire). The AC1 & AC2 are wires that carry 24VDC for an internal heater in the motor. Not all motors are equipped with heaters therefore; many of the black SO cables DO NOT have an AC1 & AC2 wire in the black SO cable. Look at the original motor to find where the AC1 & AC2 terminated on the rectifier for the heater.

The B3 & B4 wires are a dry contact that allows the motor to have a fast react brake. The fast react brake is wired and used for large doors. The fast react brake prevents drifting when the door reaches the fully open or closed position. The B3 & B4 connect in the control panel at terminals B3 & B4. The B3 & B4 connect in the motor junction box on the 4th & 5th screws of the brake rectifier. See Fig. 1

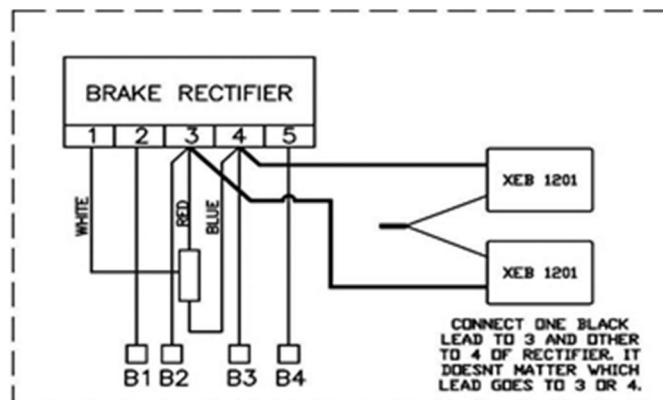


Figure 1

NOTE: In figure 1 above the B3 & B4 are connected to the 4th & 5th screws of the brake rectifier. The small white, red and blue wires are the brake coil. Notice the small blue wire is under the 4th screw. This may need to be moved on the replacement motor to match the drawing. The devices marked XEB 1201 are an RC network used to reduce motor electrical noise. The connections for the RC network should also match the drawing.

Please contact Rytec Customer Support at 1-800-628-1909 with any questions.