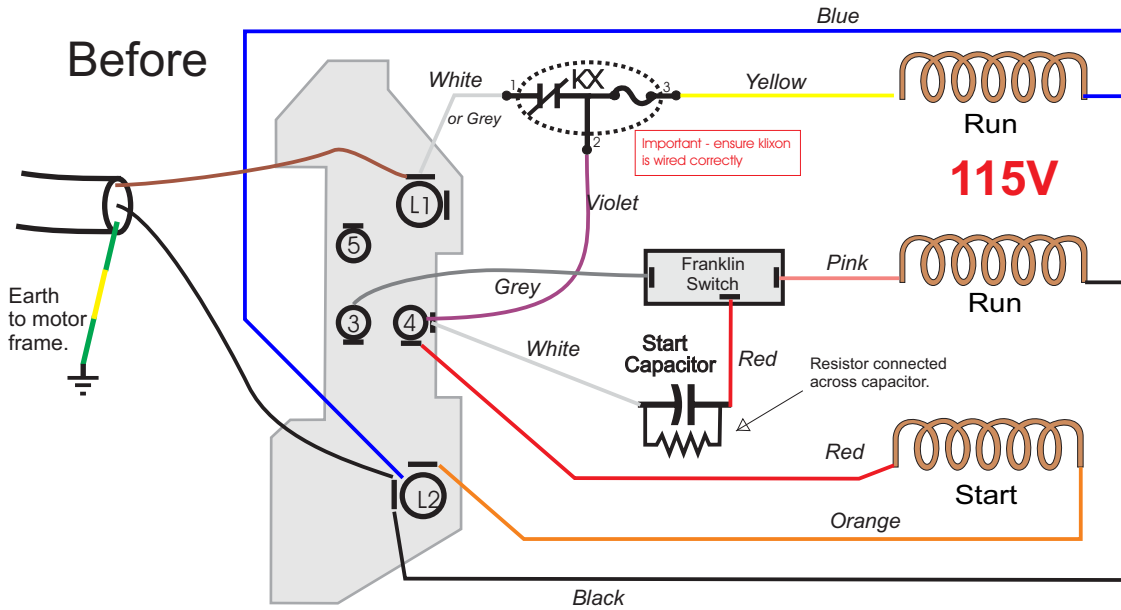


# Solid State Start Switch SS110BE (BACKEND)

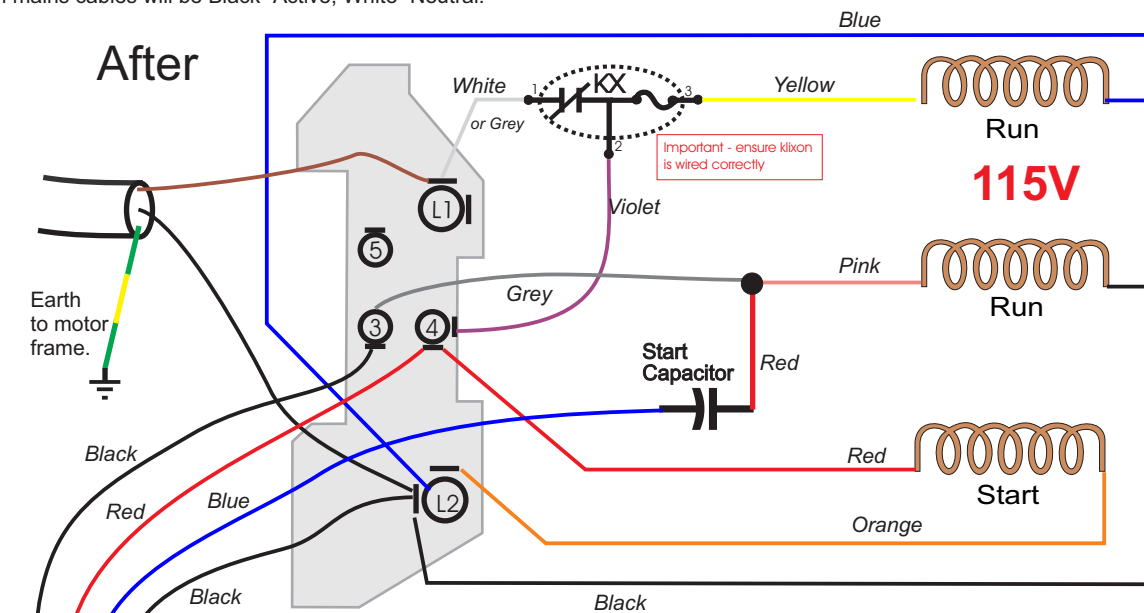


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Connection diagram for AMF Franklin and Blufton (82-90) dual voltage  
 Back-End motors and Ball Return motors  
 Supply Voltage 115V



Note: The terminal positions may vary from that shown on AMF diagrams. White wire from L1 to Klixon may be Grey.  
 These drawing are based on an actual motor from an 82-90XL  
 American mains cables will be Black=Active, White=Neutral.



- Remove resistor from capacitor.
- Remove Franklin switch.
- Join the grey, pink & red wires together using a BP connector or "wire nut".
- Remove white wire from terminal 4 and capacitor.
- Blue wire from *tenpintec* switch goes to capacitor (Where white wire was removed).
- Red wire from *tenpintec* switch goes to terminal 4.
- One black wire from *tenpintec* switch goes to terminal L2.
- The remaining black wire from the *tenpintec* switch goes to terminal 3.

As noted in the motor manual....  
 To convert to 115V operation, move the blue wire from terminal 3 to L2 and the violet wire from terminal 5 to terminal 3.  
 Start switch wiring remains the same. To reverse direction, swap Red & Orange wires. Ball return motors already have Red & Orange swapped.