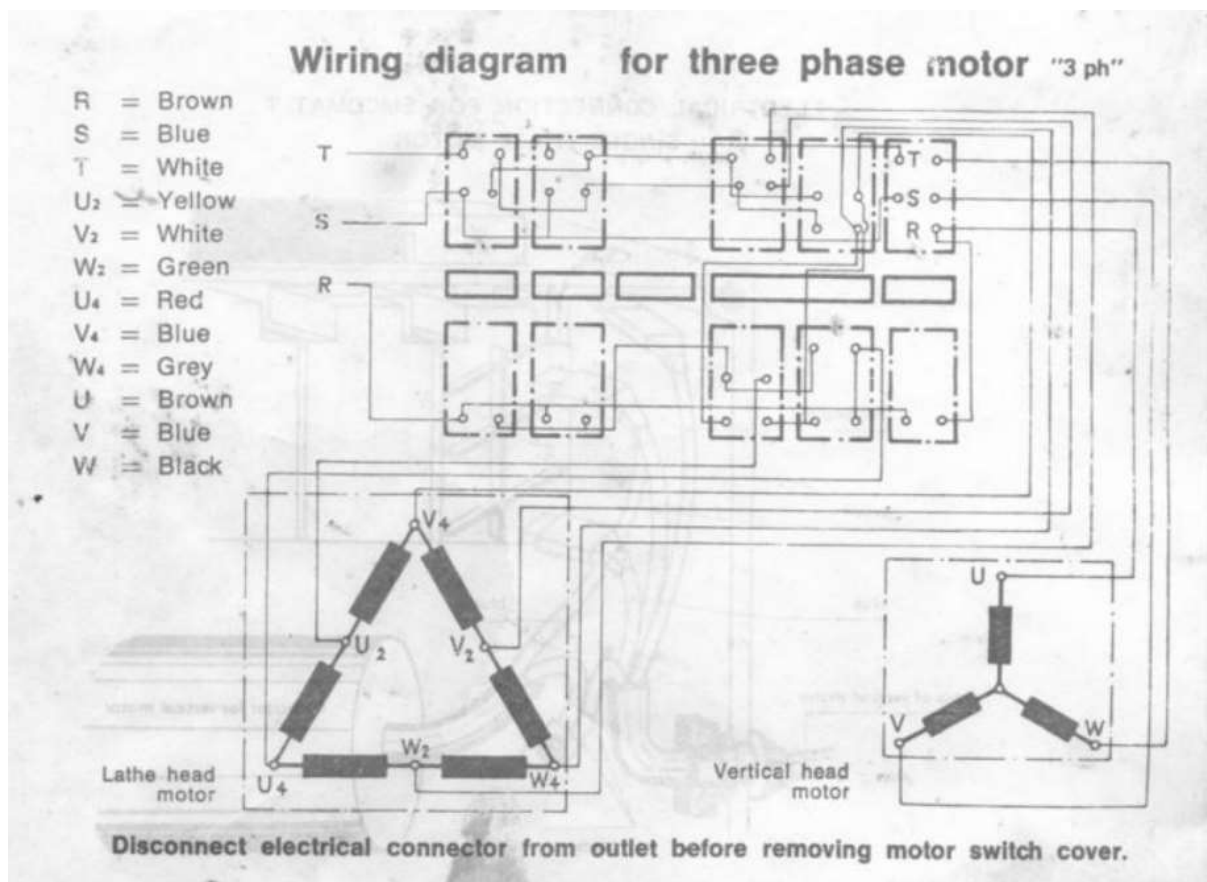


How convert a 440v 3phase motor to 240V 3 phase

This I how I rewired my 440v motor from a Maximat 7 mill head and is only for guidance, I accept no responsibility if your motor is different or this method does not work for you.

Emco manual

Standard wiring of mill head is star configuration with Black, blue and brown wires.



Motor Info

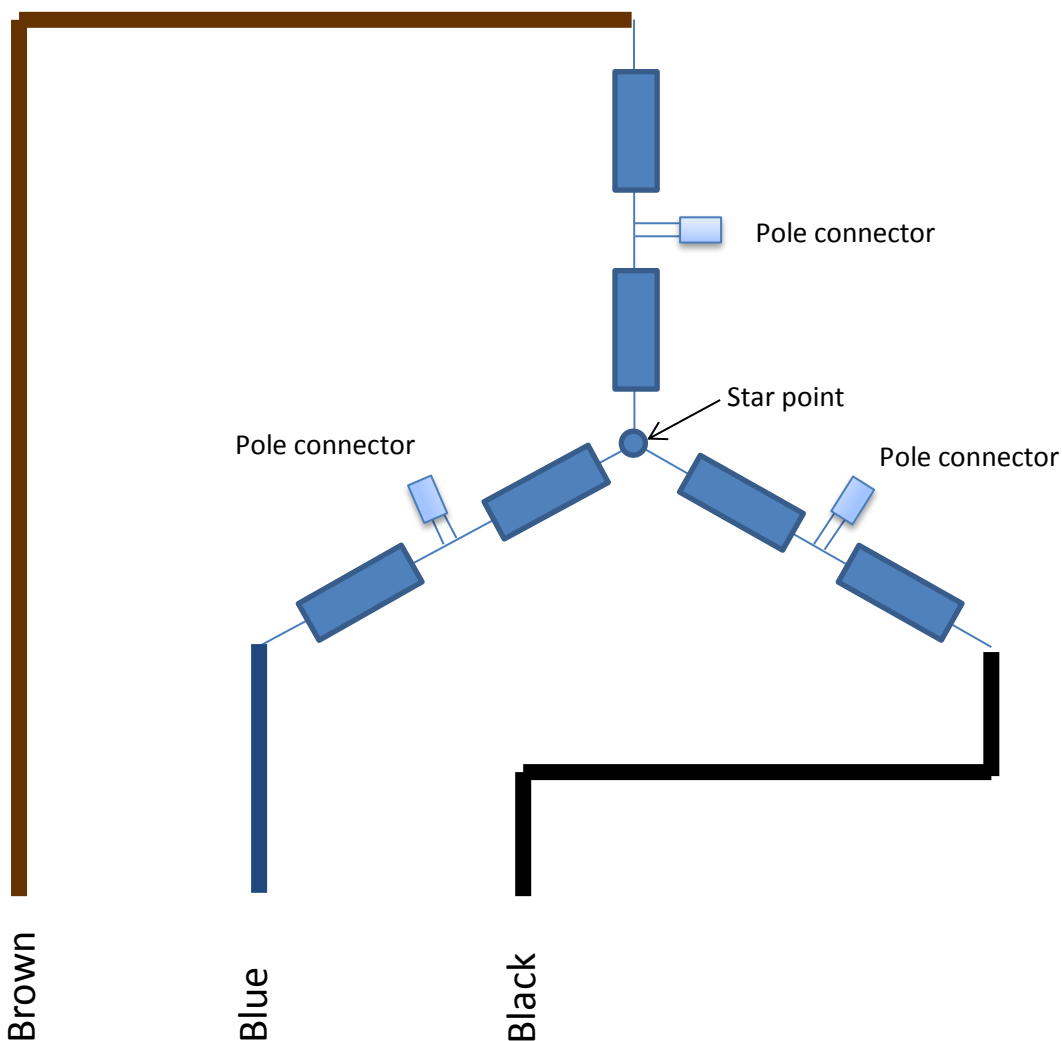
440V 6 pole, Star wired

Connections

3 input wires – (easy to find as connected to Black, Blue Brown wires)

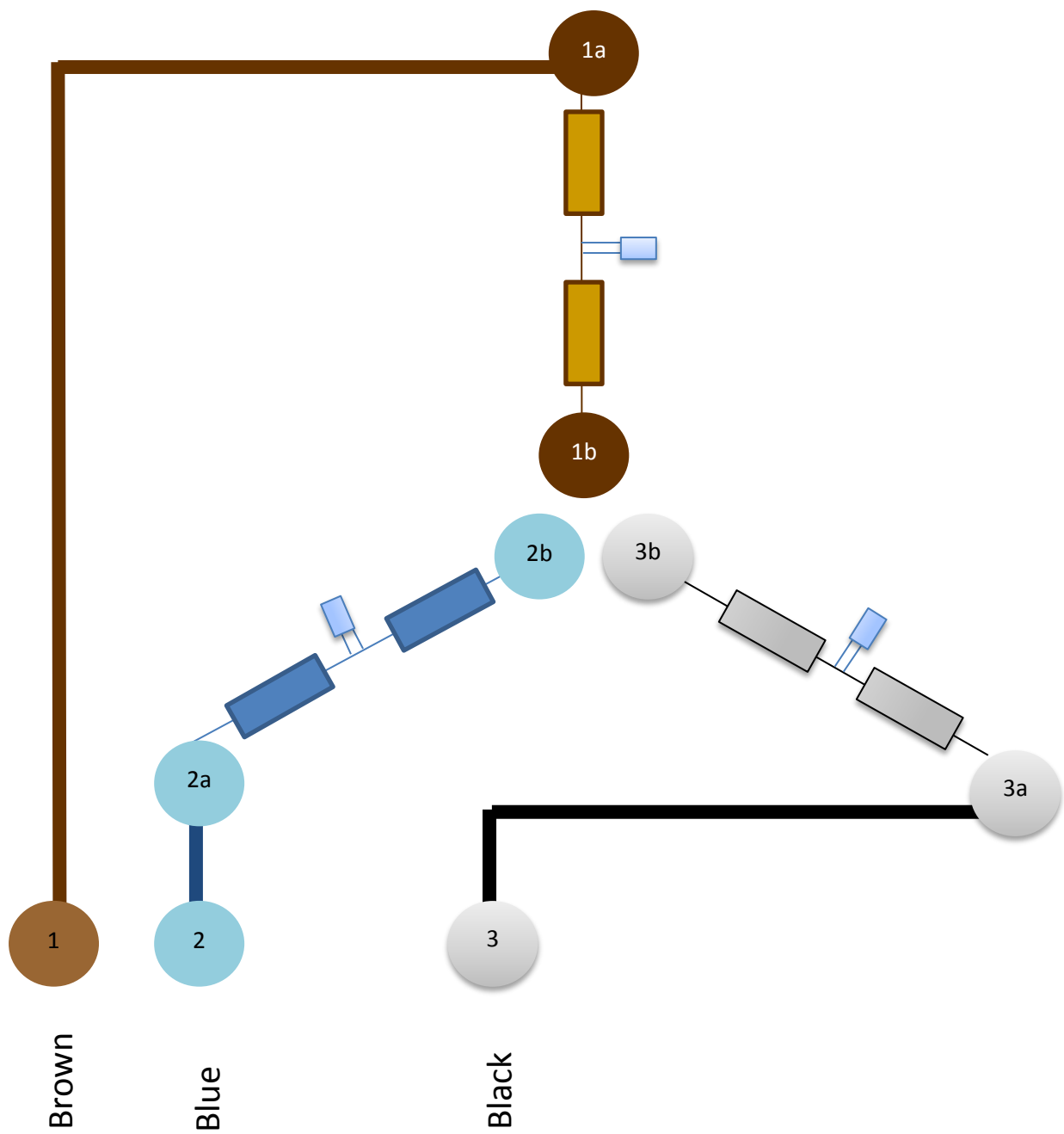
2 poles are connected in series (3 connectors to ignore)

Star point – (only one with 3 wires)



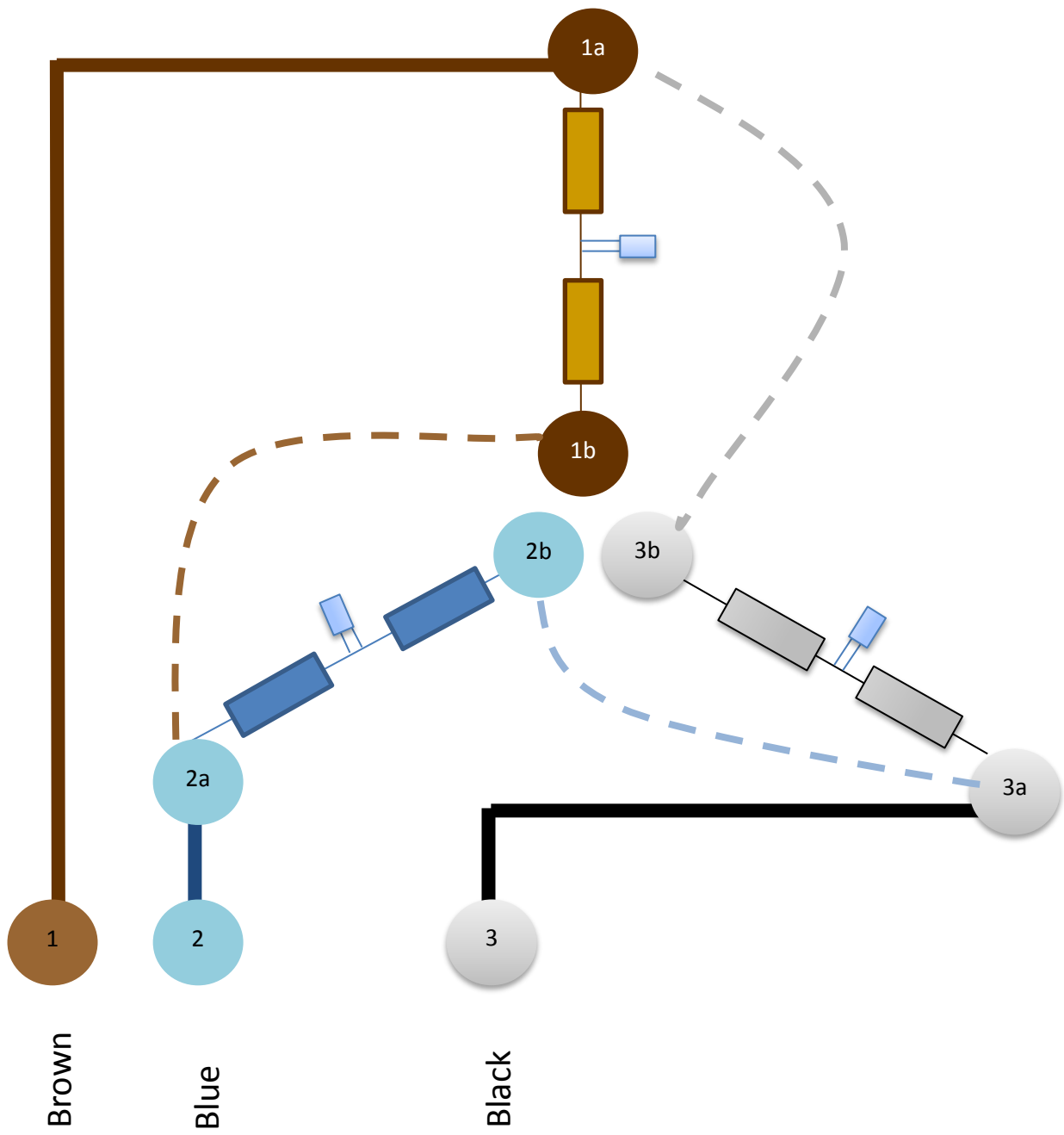
1. Find star point (only one with 3 wires)

2. Separated star point

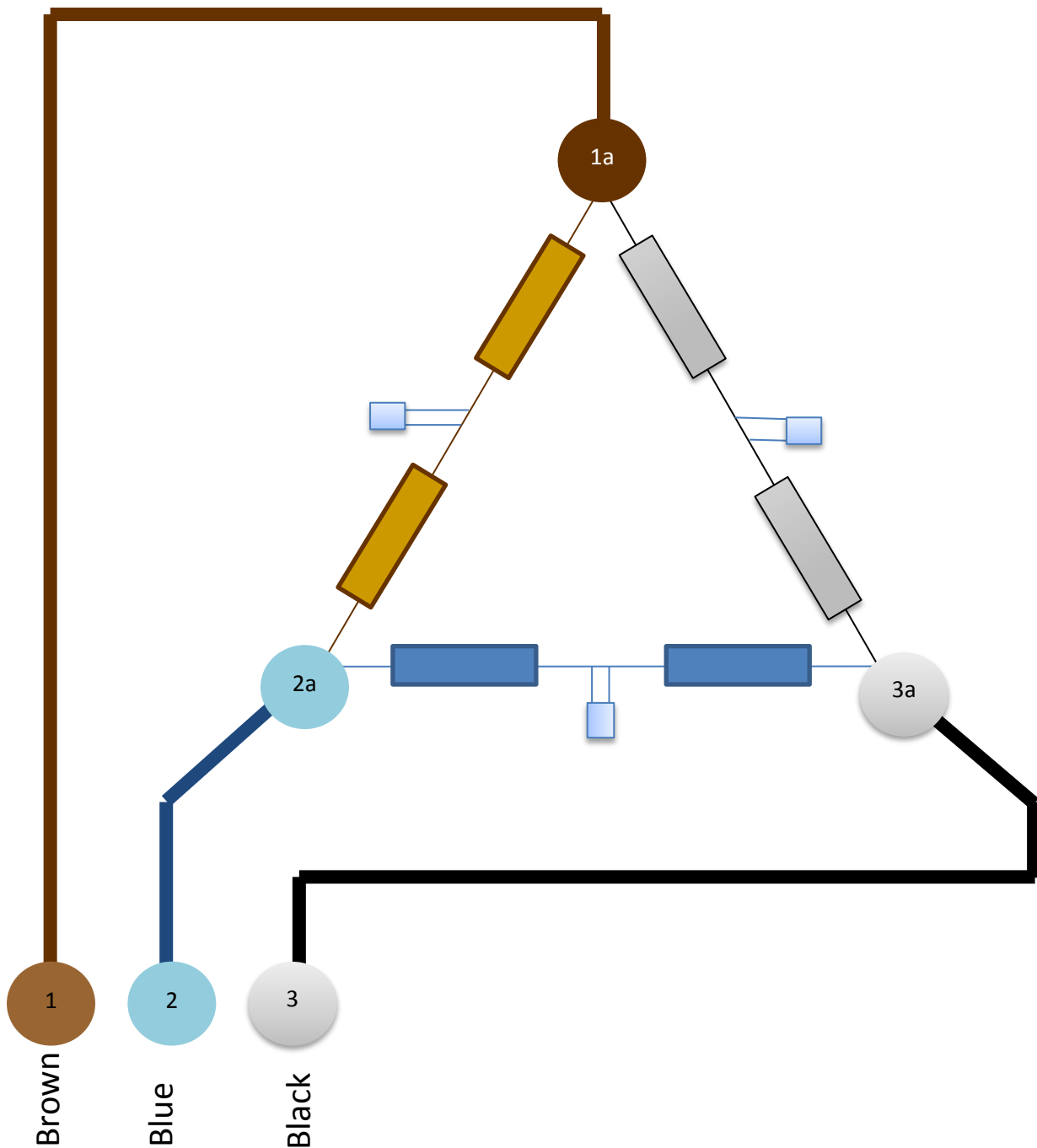


3. Find #a and #b by continuity or by checking for resistance (50 ohms on mine).

4. Move 1b to 2a
5. Move 2b to 3a
6. Move 3b to 1a



That should end up in delta configuration



Test points 1-2, 2-3 and 3-1, If original coil reading was 50ohms then they should all read 33.3 ohms (2 x 50ohms in series and parallel with 50ohms)