

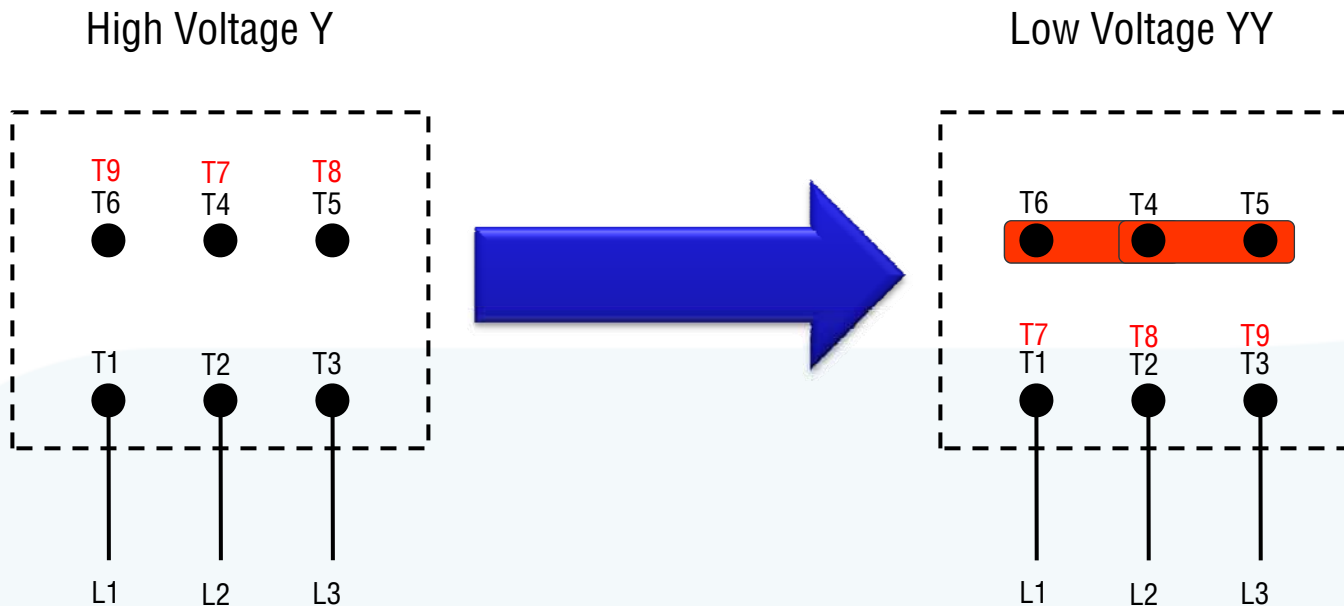
SEW-EURODRIVE

Service Series – Changing Stator Voltage

2

Purpose of this presentation –

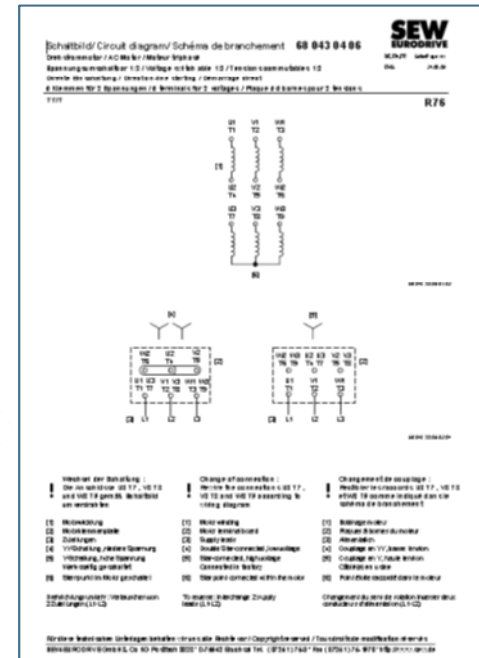
- Change a stator wiring from Y (High Voltage) to YY (Low Voltage)



SEW-EURODRIVE Service Series – Changing Stator Voltage

Required Resources –

- Wiring Diagram (R76)*
- Needle Nose Pliers
- Metric Hex Nut Driver



*Supplied with motor and available in *DR Motor Catalog* via www.seweurodrive.com

SEW-EURODRIVE

Service Series – Changing Stator Voltage

Safety Reminders –

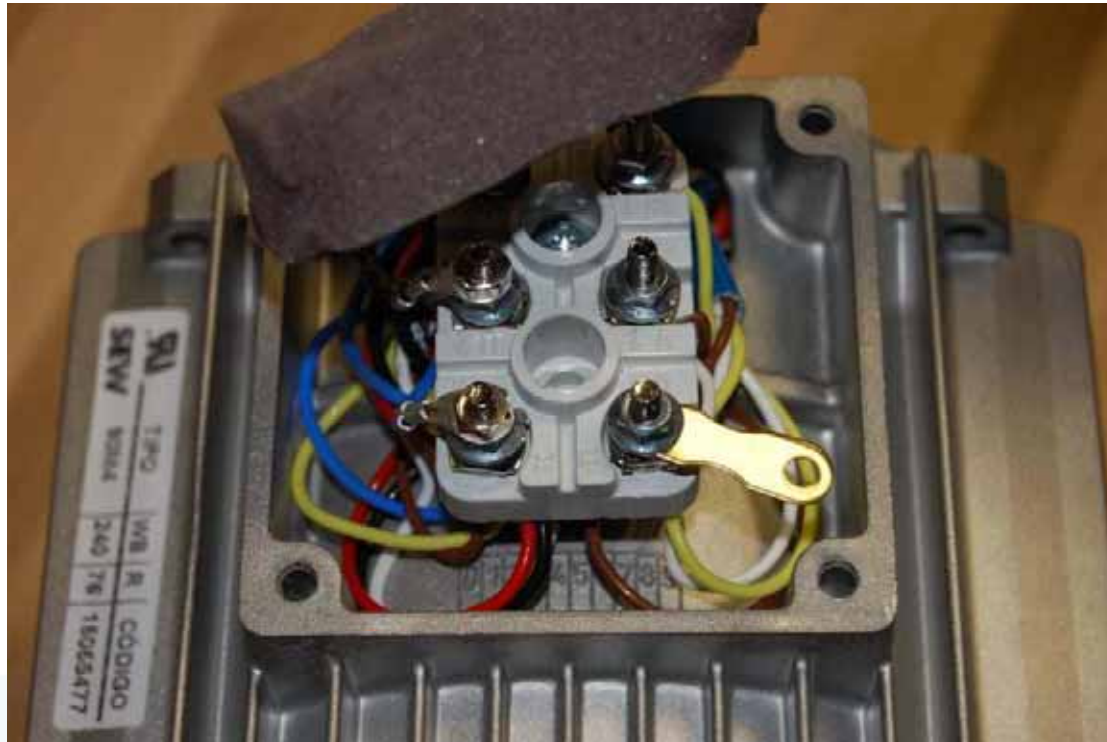
- Always disconnect power before beginning work
- Follow the most current safe work practices
- Make use of all required Personal Protective Equipment
- If you do not feel safe stop work immediately



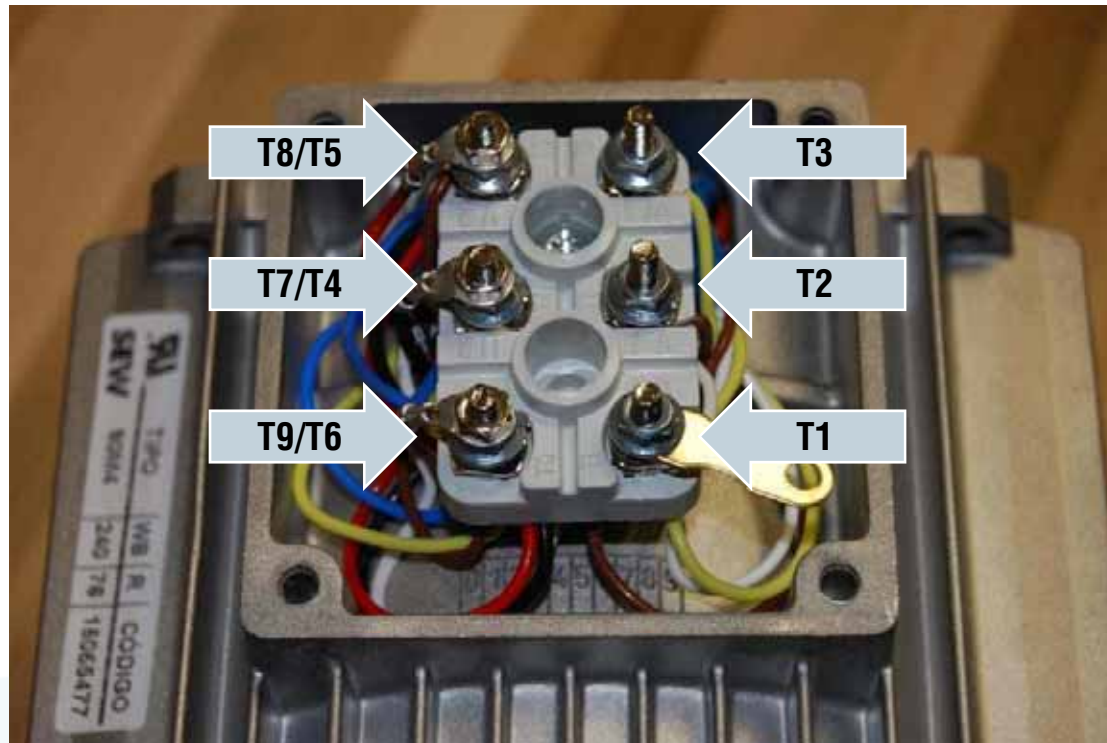
Step 1 – Carefully Remove Foam



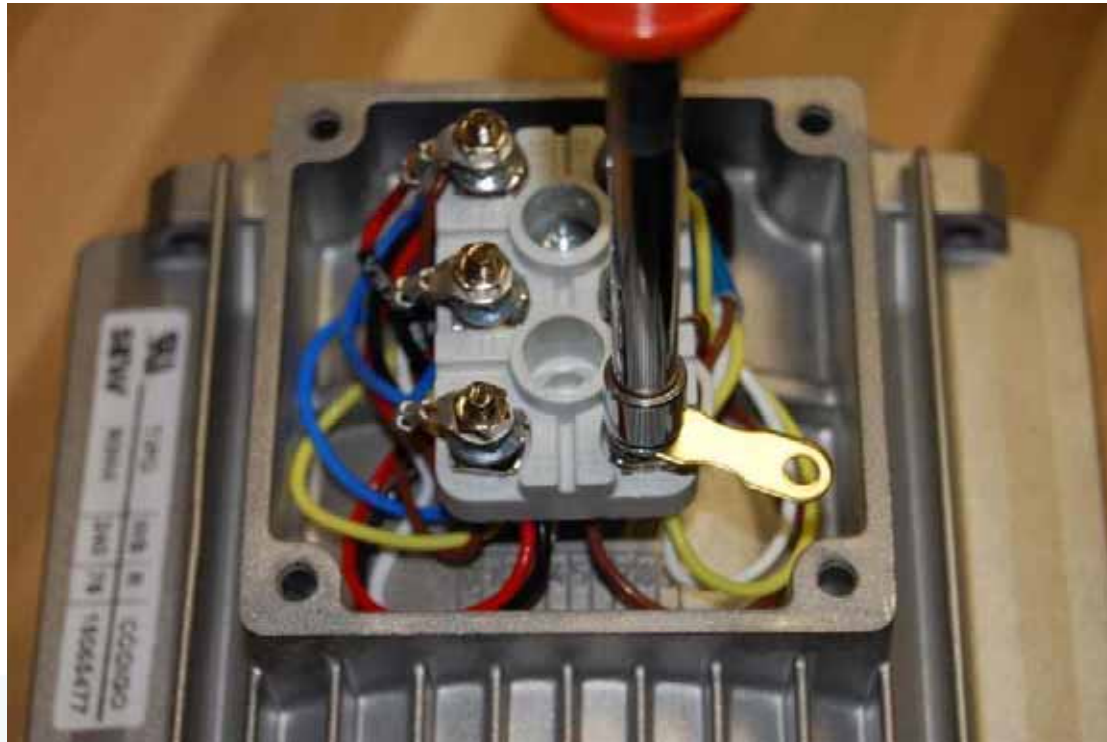
Step 2 – Save Foam For Later



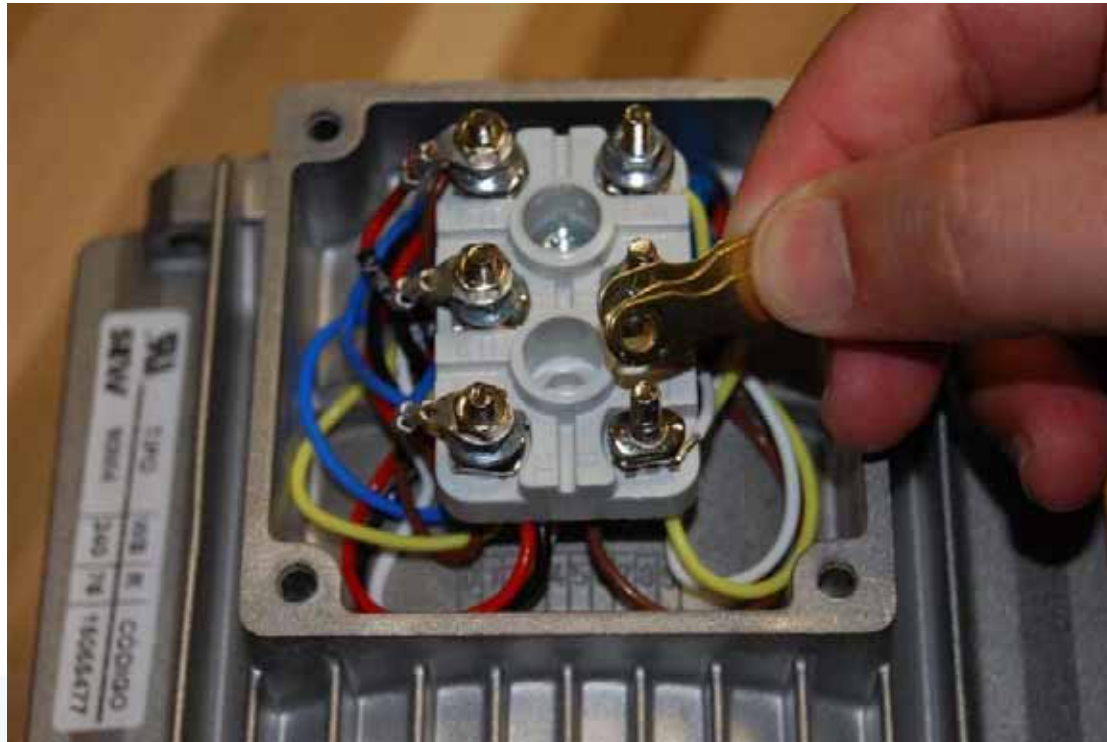
Step 3 – Identify Your Terminal Numbers



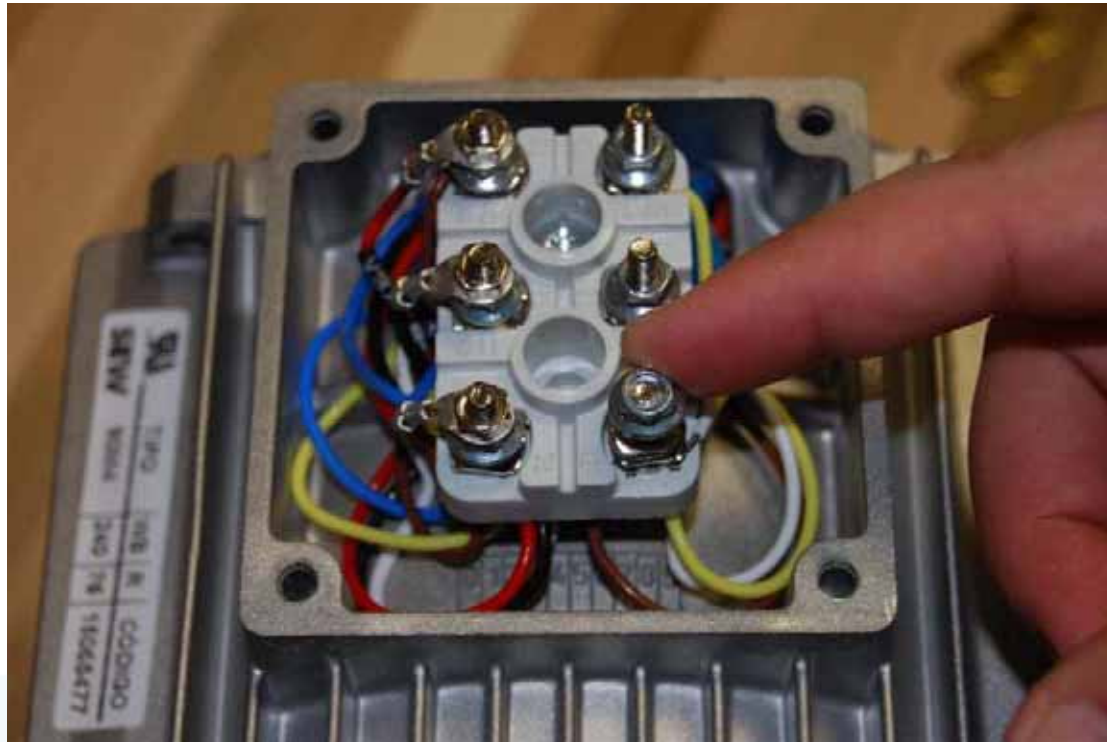
Step 4 – Remove Brass Terminal Bridges



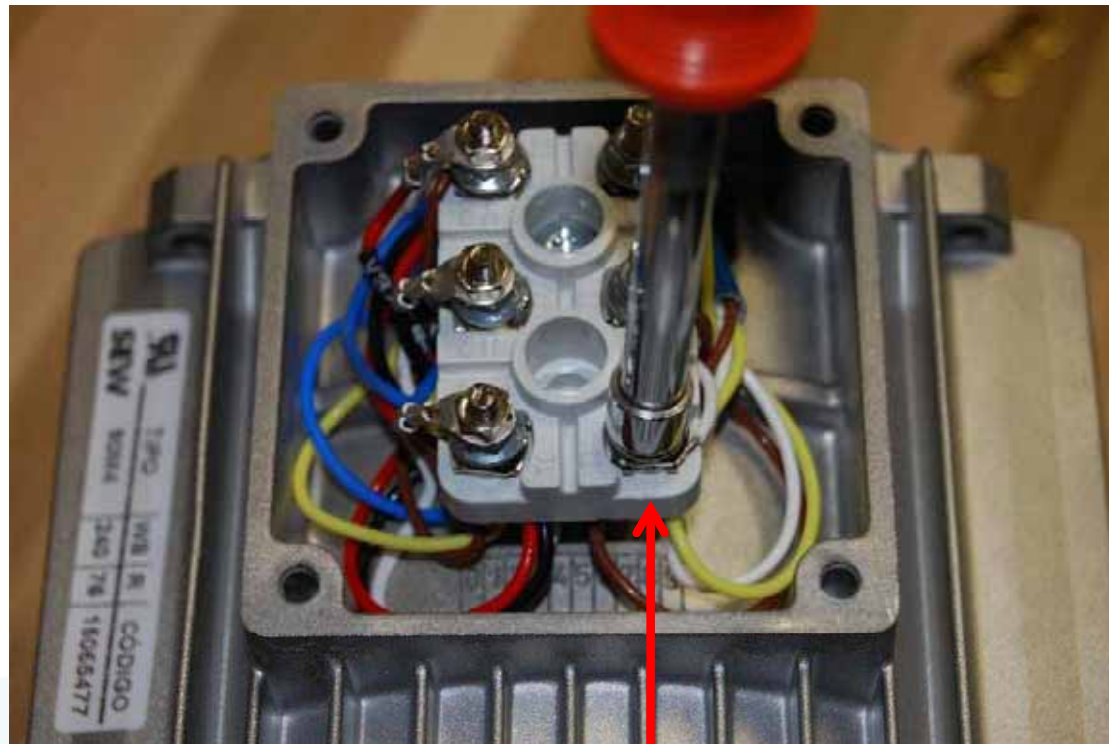
Step 5 – Save Brass Terminal Bridges



Step 6 – Reinstall Terminal Post Nut

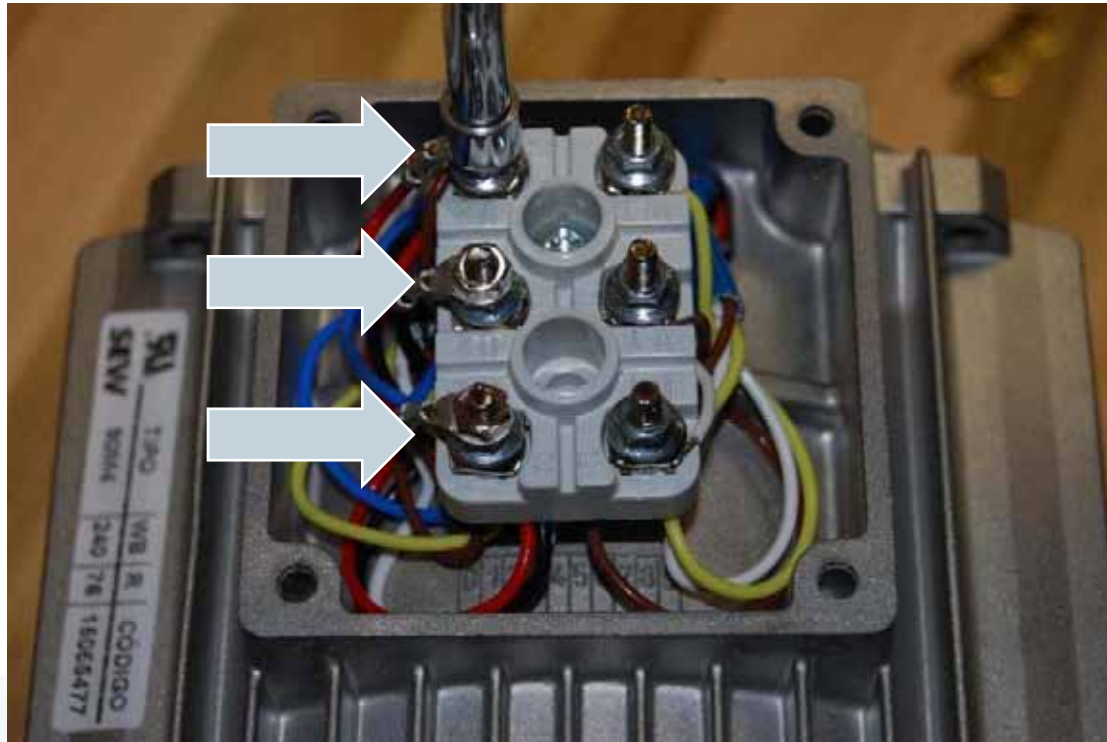


Step 7 – Tighten Terminal Post Nut



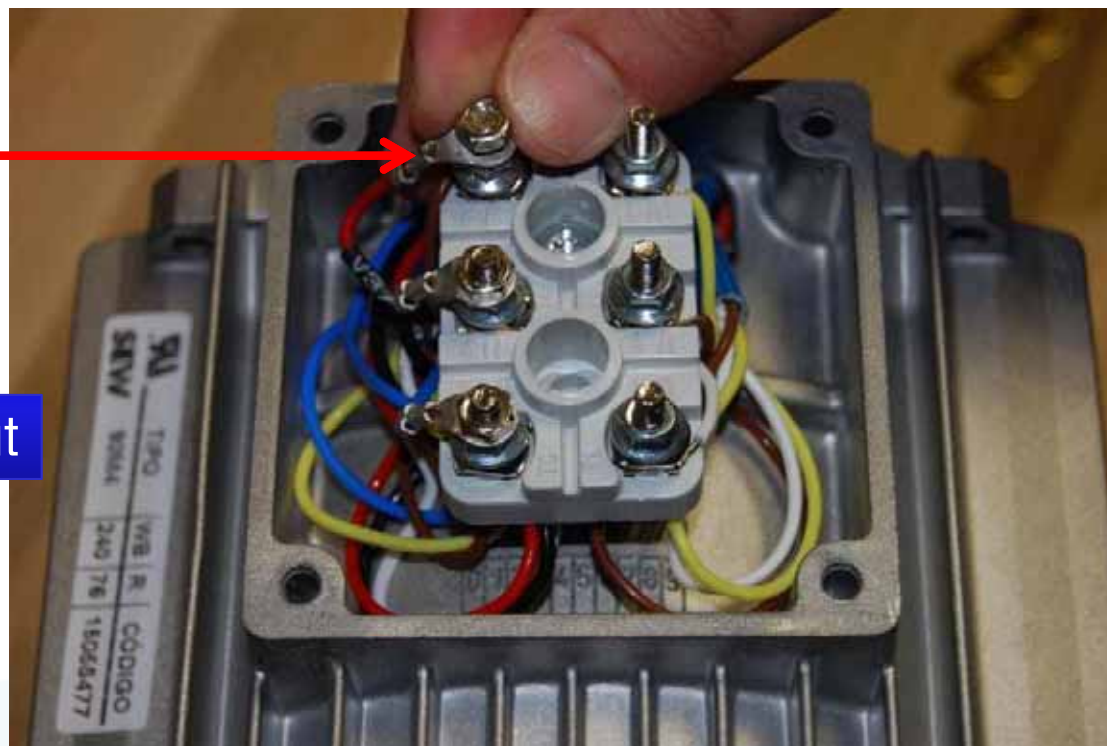
Use caution when tightening the hex nuts. Always refer to the section in the *AC Motor Operating Instructions* for the correct tightening torque of the hex nuts.

Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9



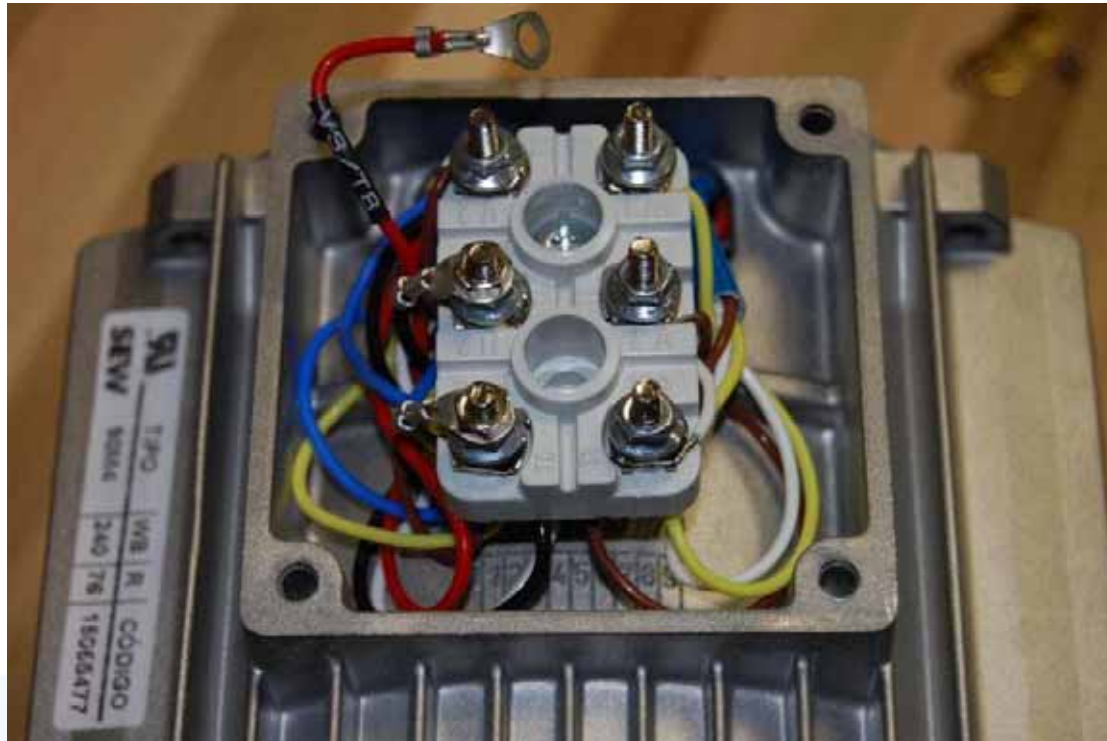
Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9

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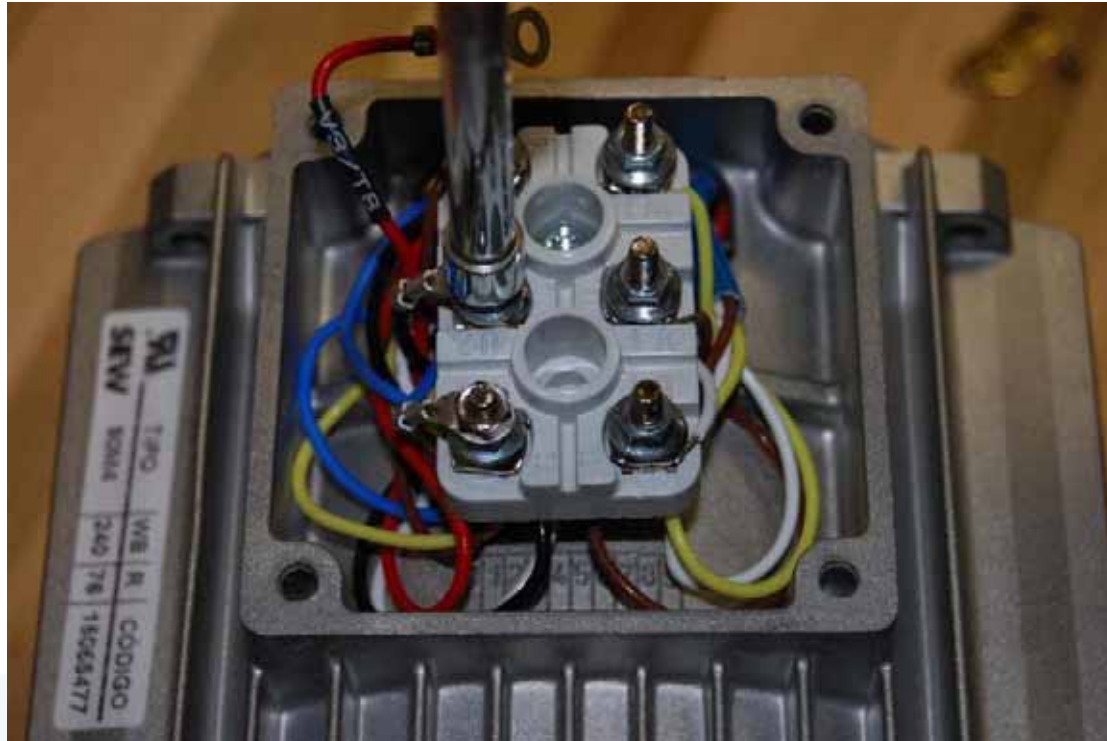


Save Hex Nut

Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9

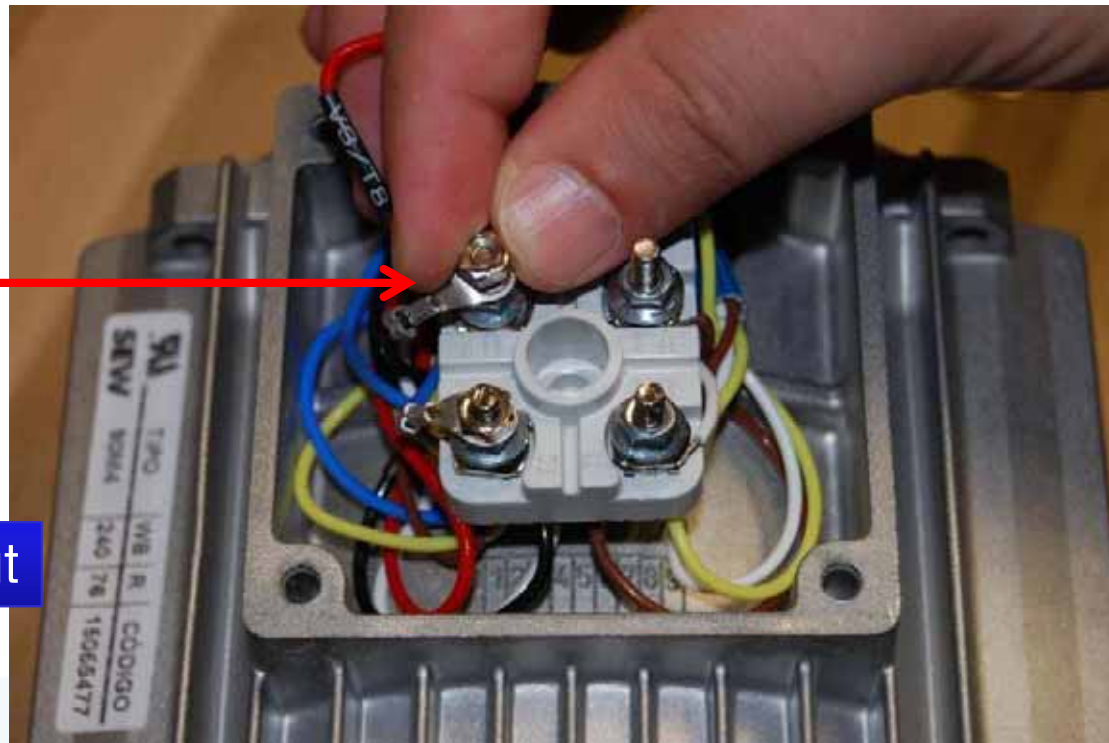


Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9



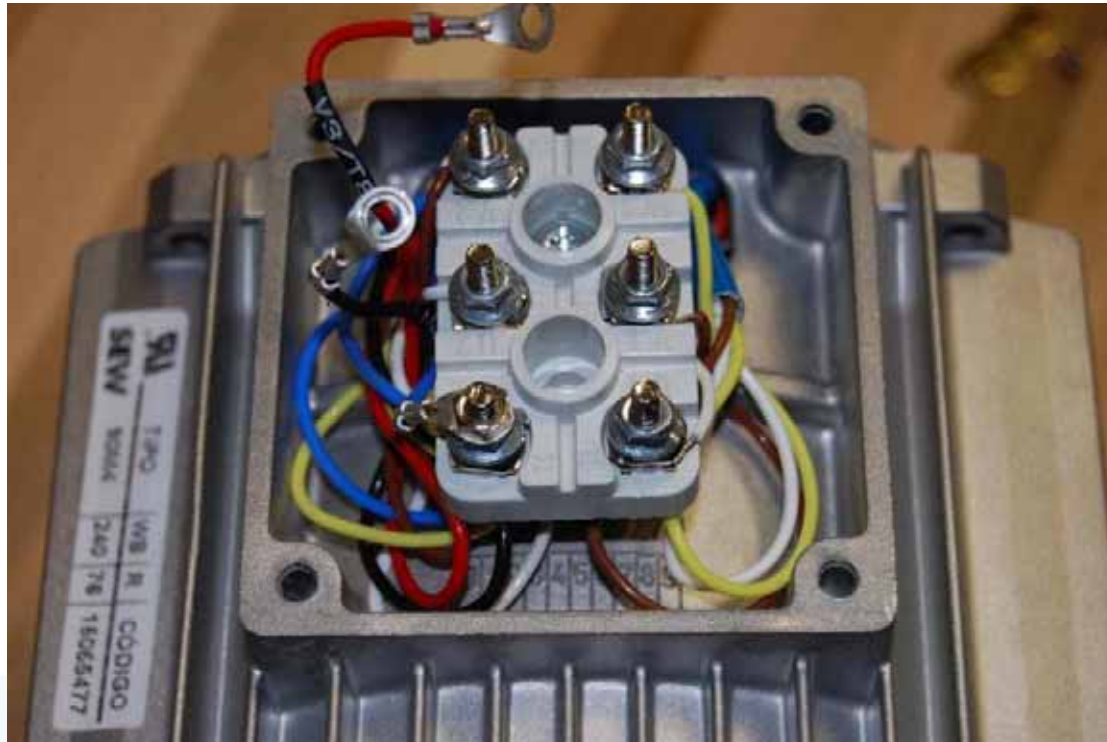
Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9

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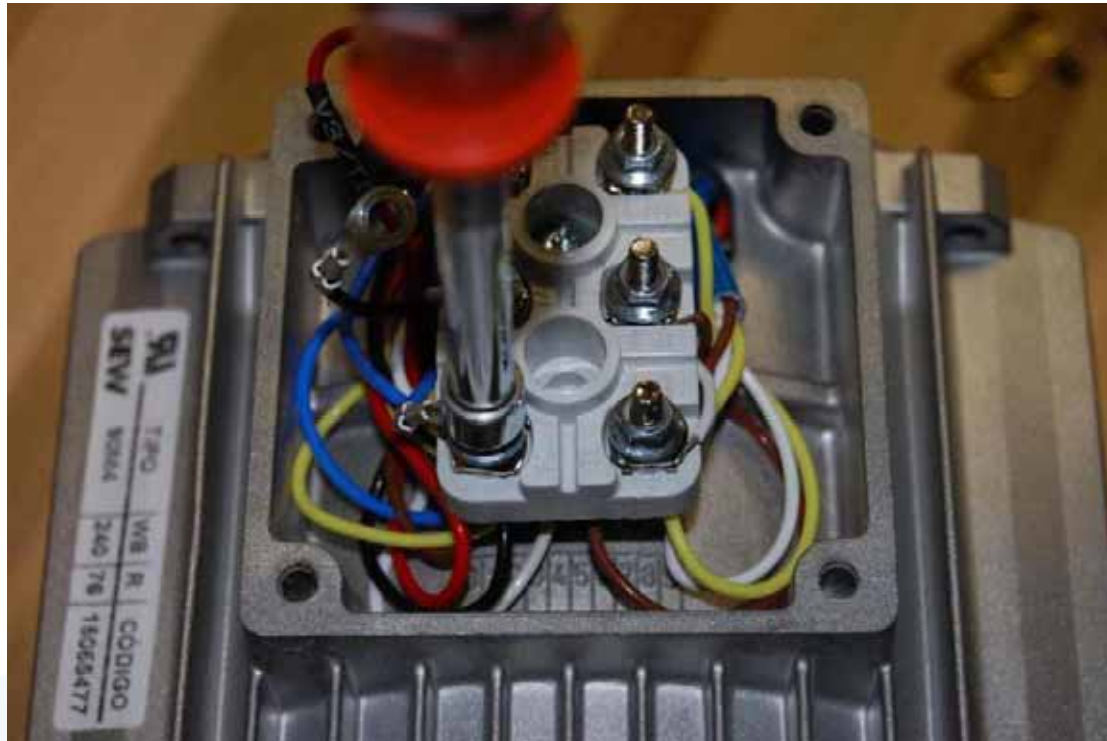


Save Hex Nut

Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9

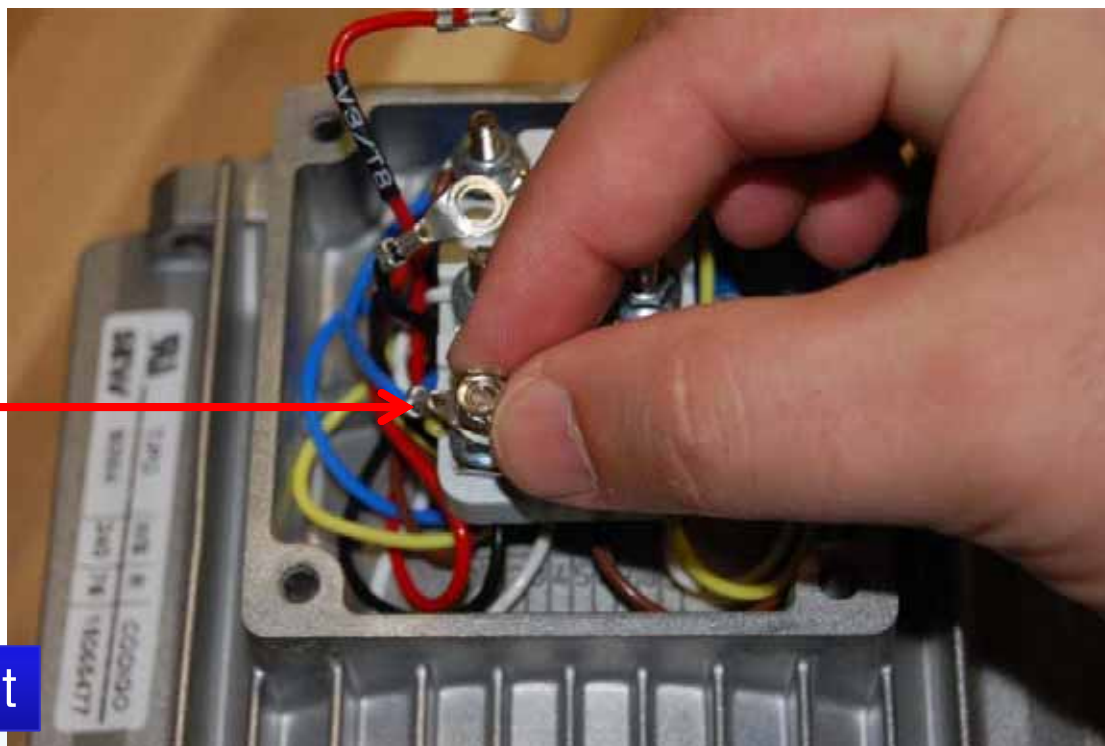


Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9



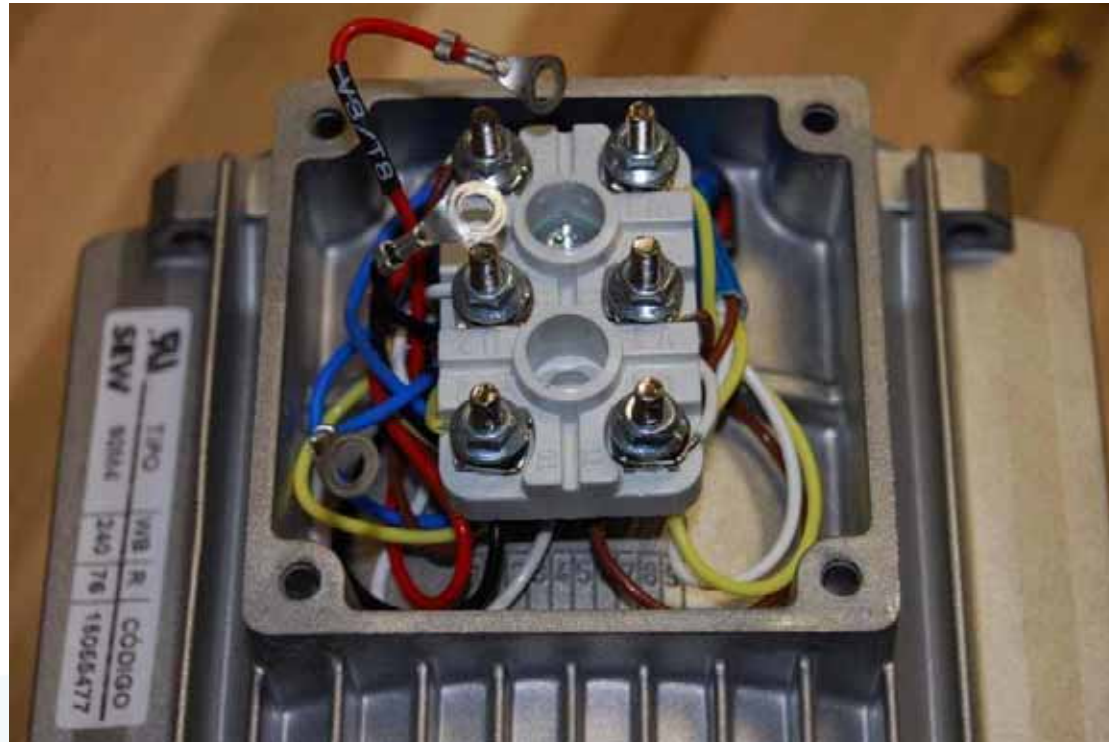
Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9

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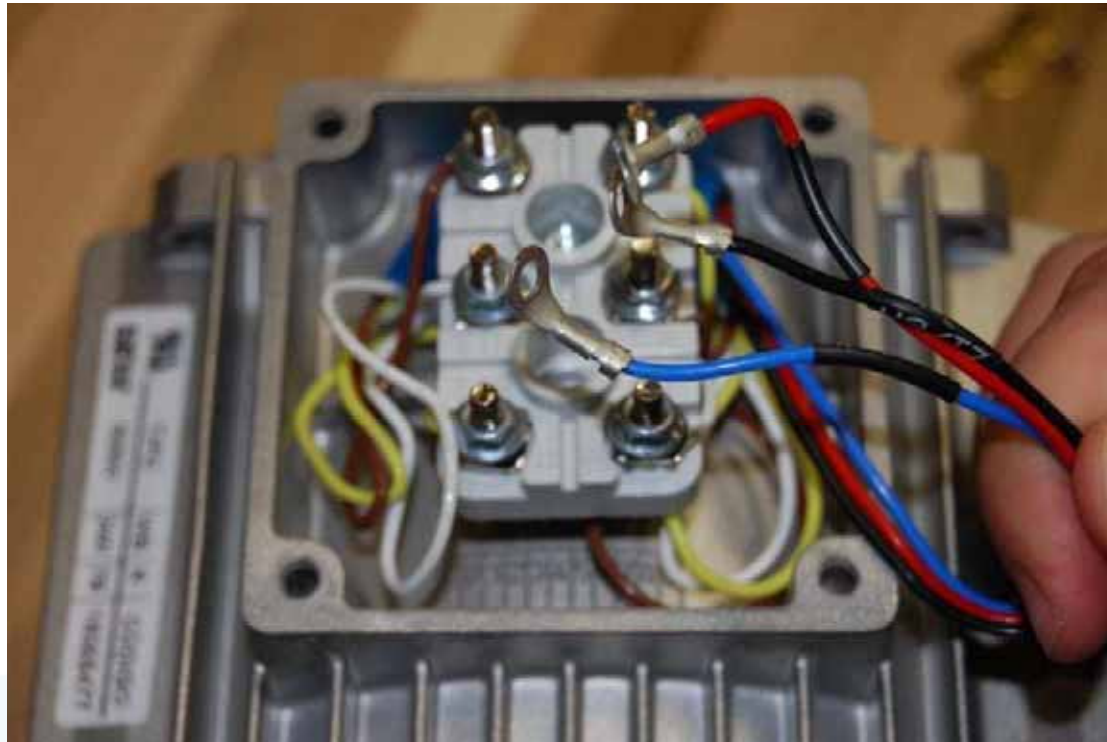


Save Hex Nut

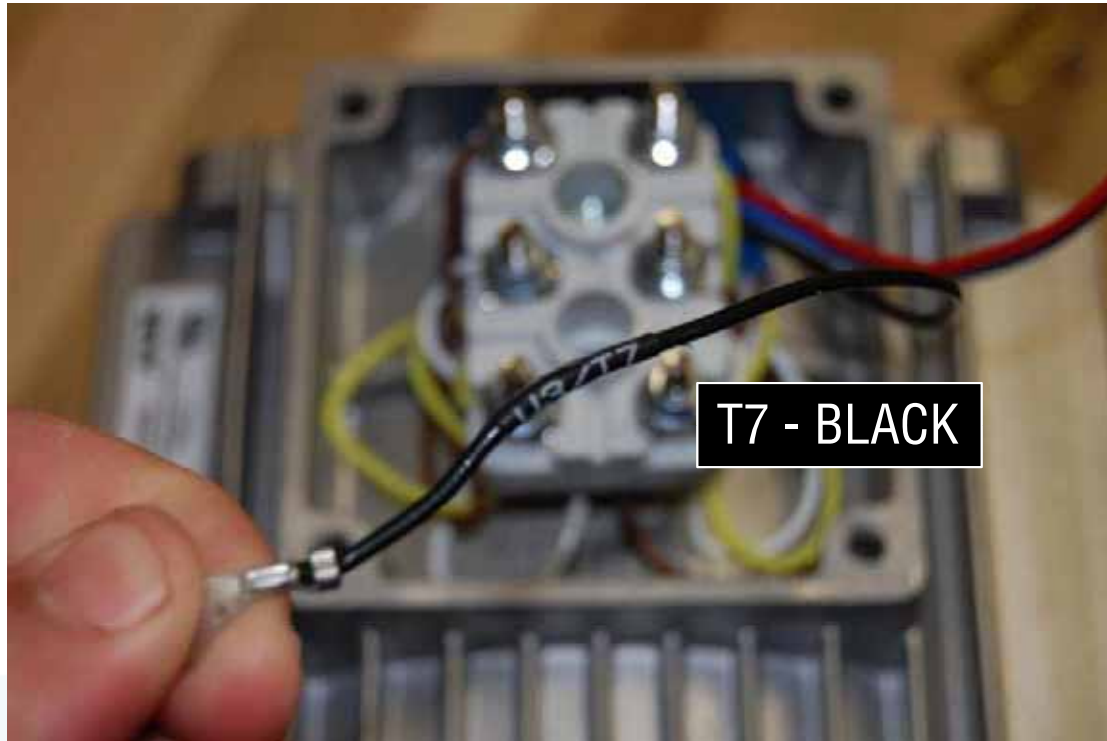
Step 8 – Remove Terminal Nuts and Wires For T8, T7, and T9



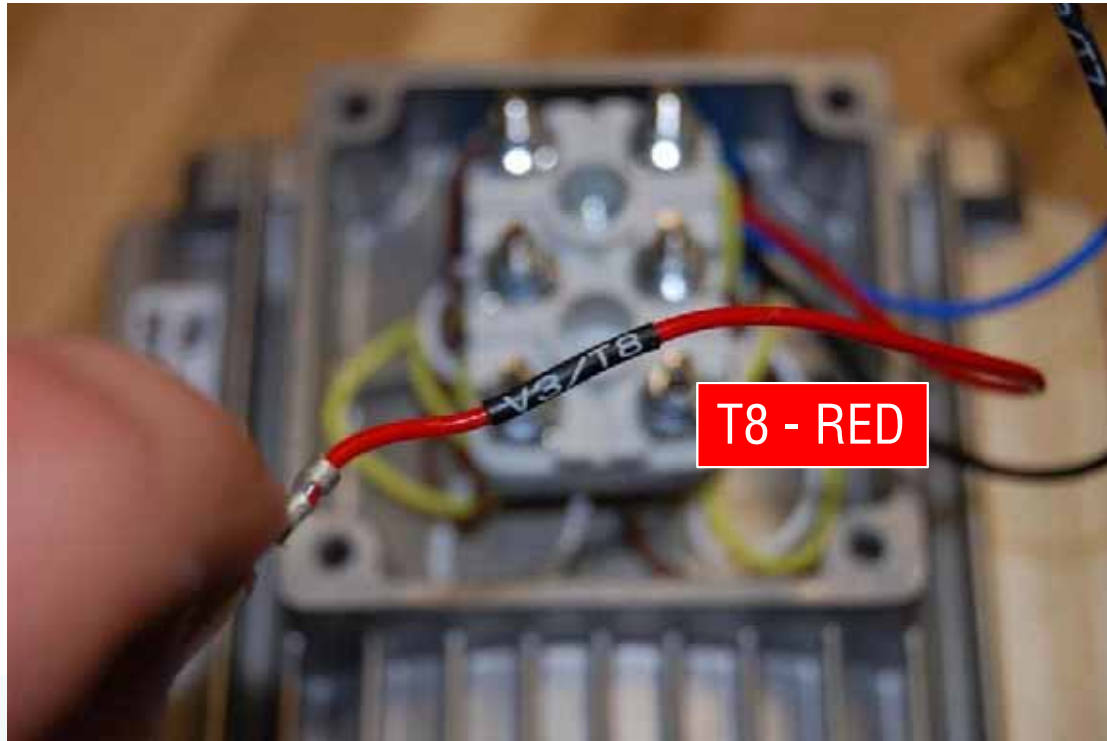
Step 9 – Move Wires T7, T8, and T9 to the T1, T2, and T3 Side



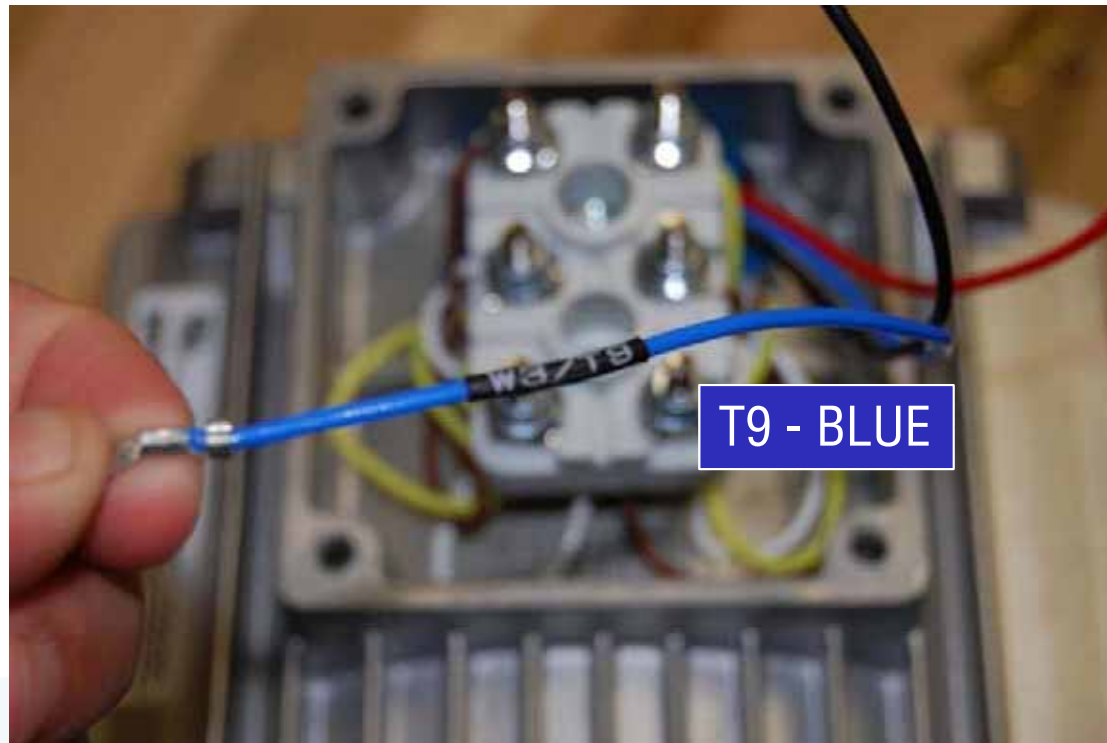
Step 10 – Identify Wires By Label and Color



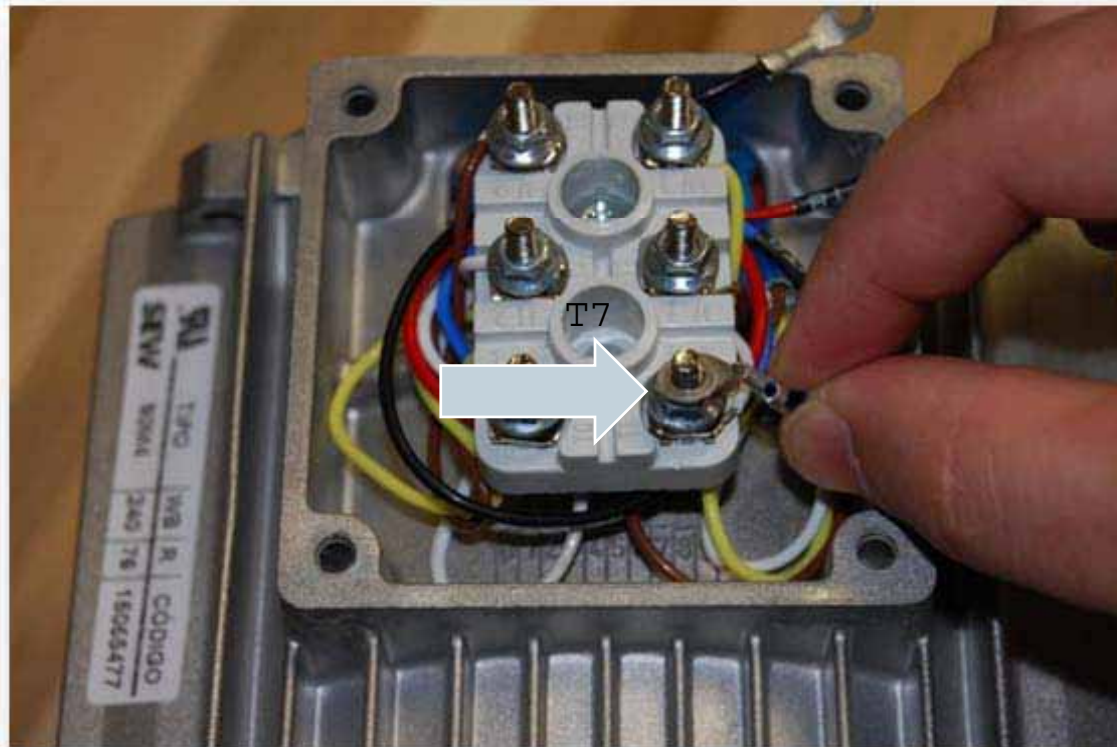
Step 10 – Identify Wires By Label and Color



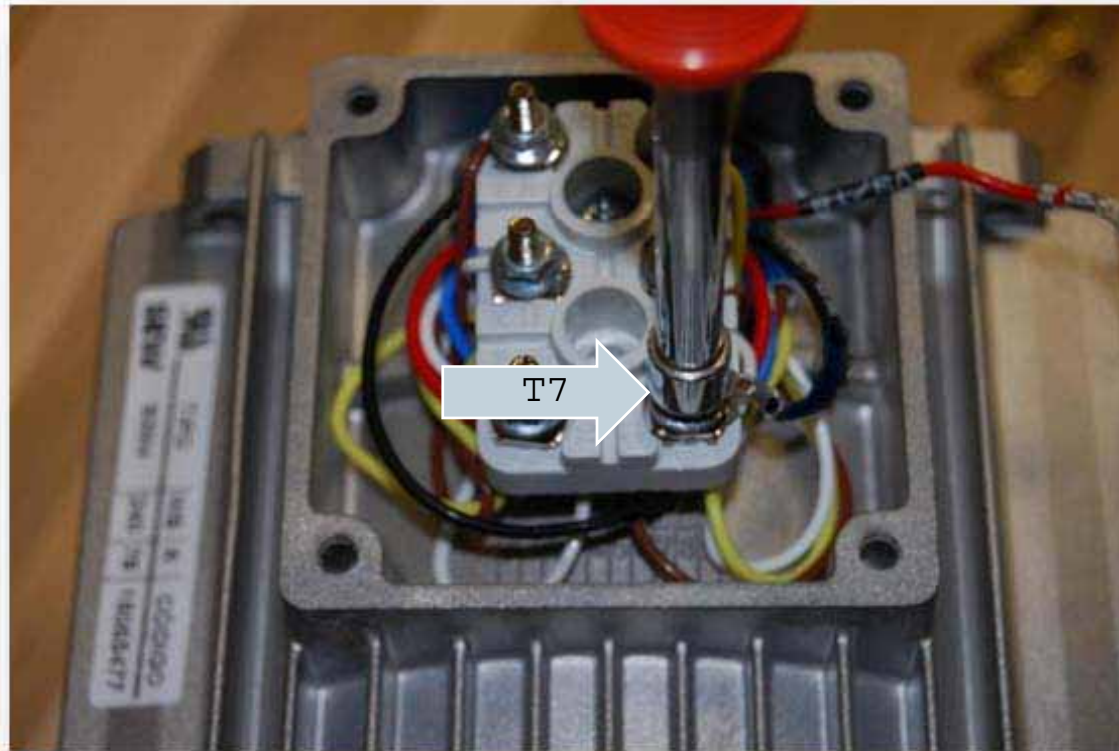
Step 10 – Identify Wires By Label and Color



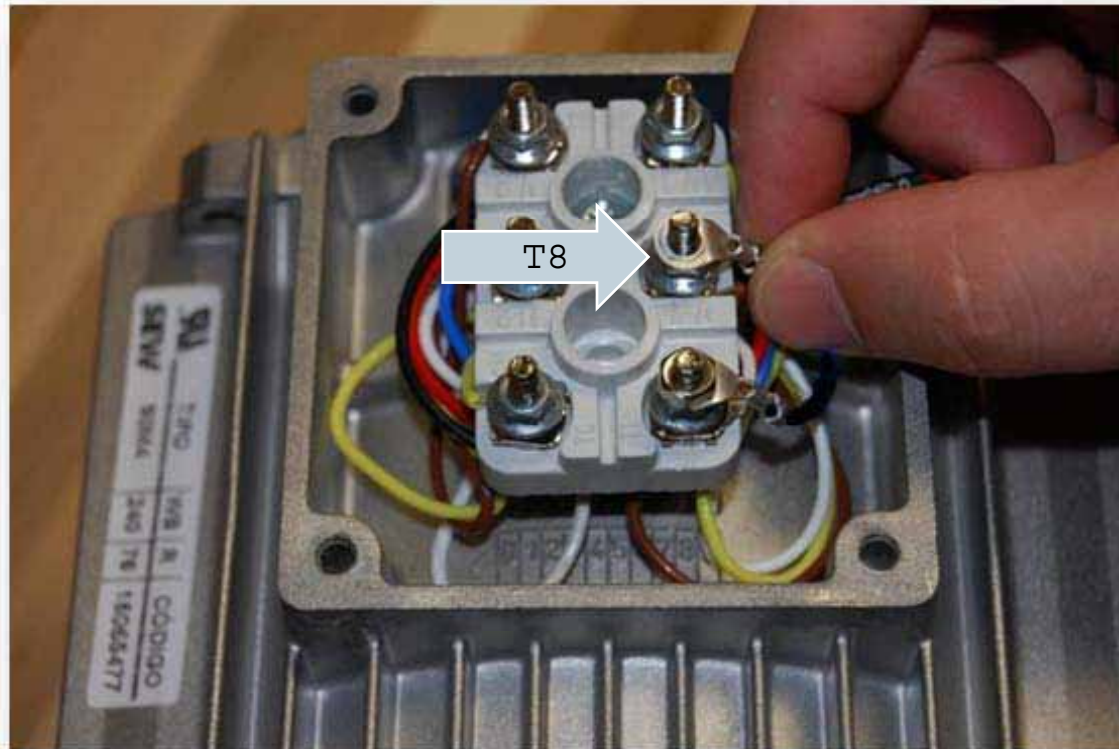
Step 11 – Install Wire T7 (Pair with Wire T1)



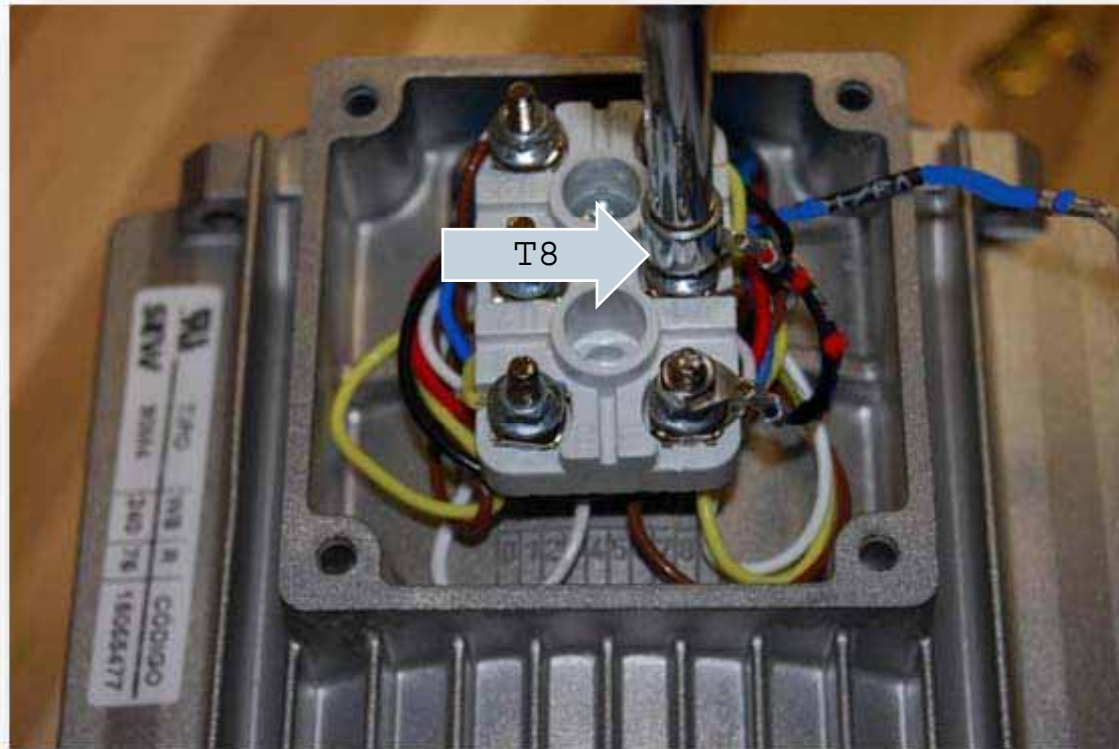
Step 12 – Install and Tighten Hex Nut



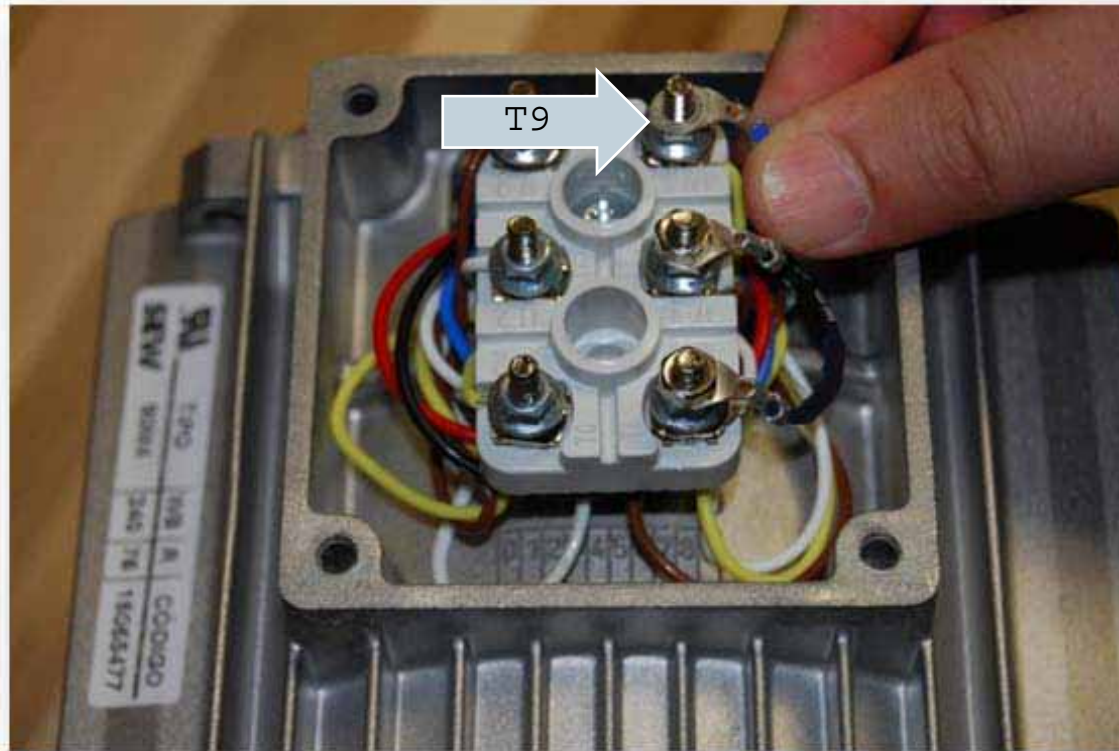
Step 13 – Install Wire T8 (Pair with Wire T2)



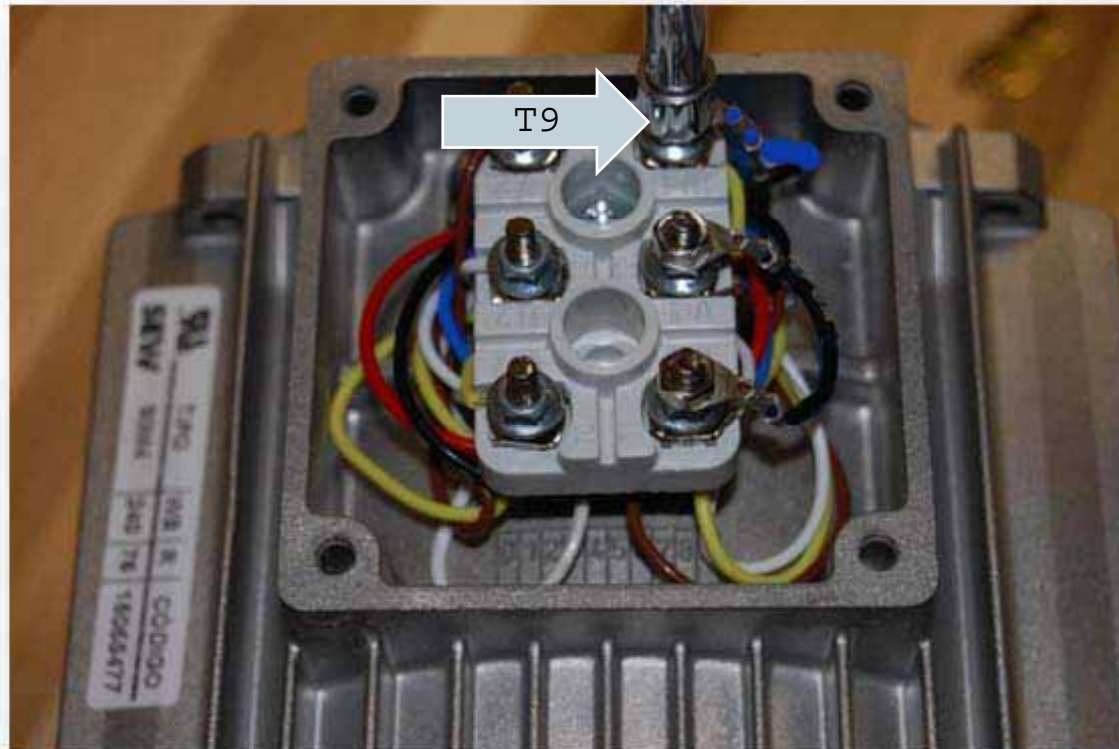
Step 14 – Install and Tighten Hex Nut



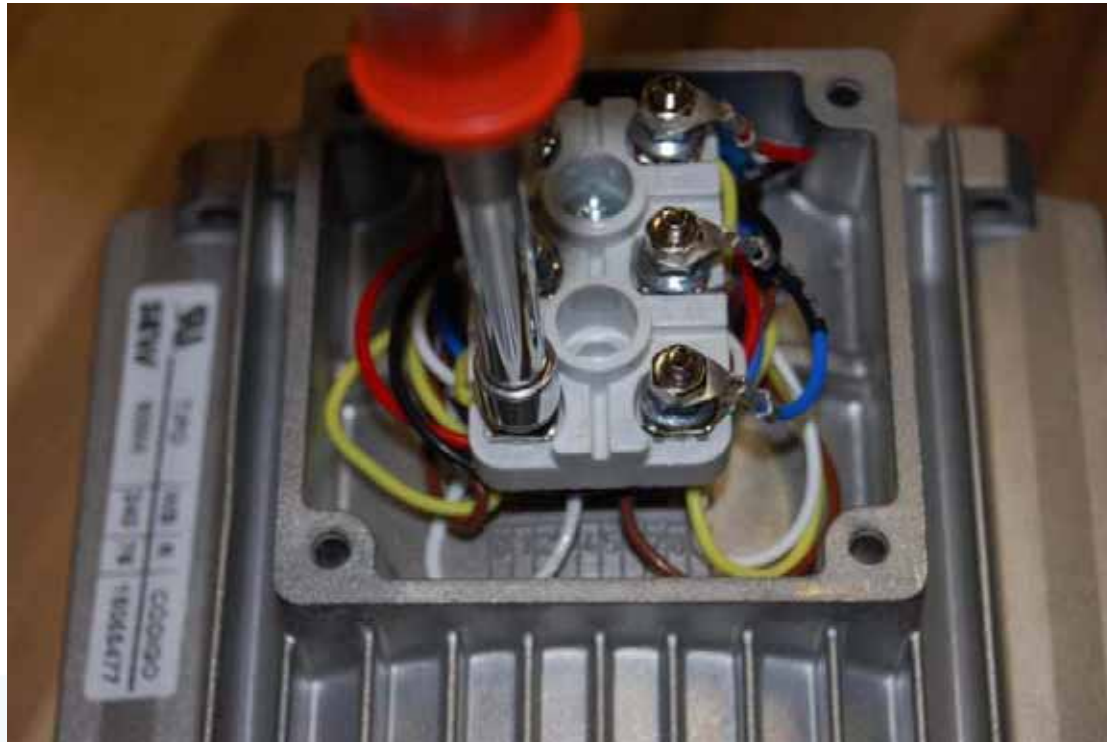
Step 15 – Install Wire T9 (Pair with Wire T3)



Step 16 – Install and Tighten Hex Nut

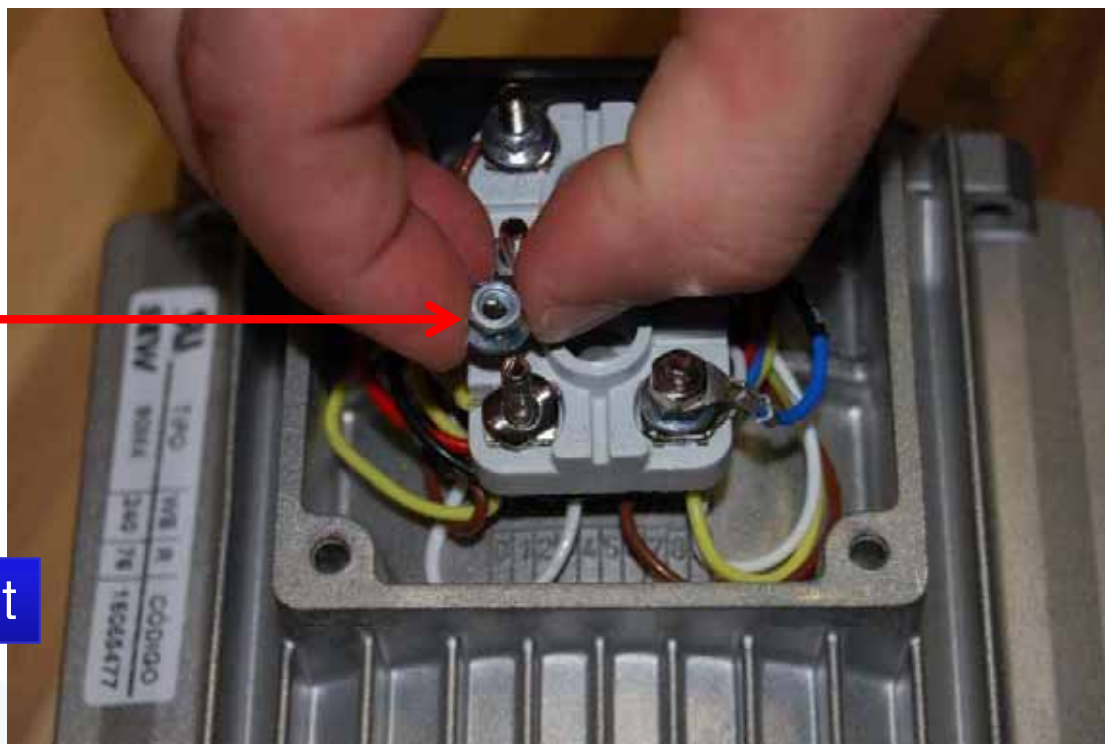


Step 17 – Remove Hex Nuts from T6, T4, and T5



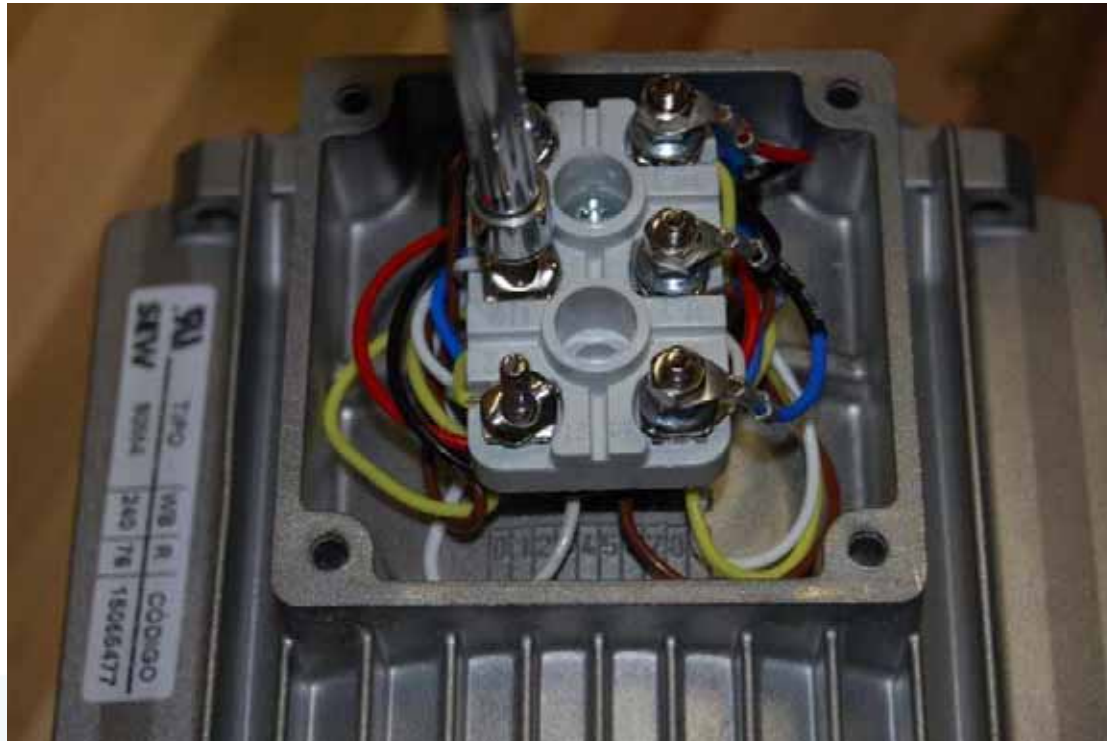
Step 18 – Remove Hex Nuts from T6, T4, and T5

32



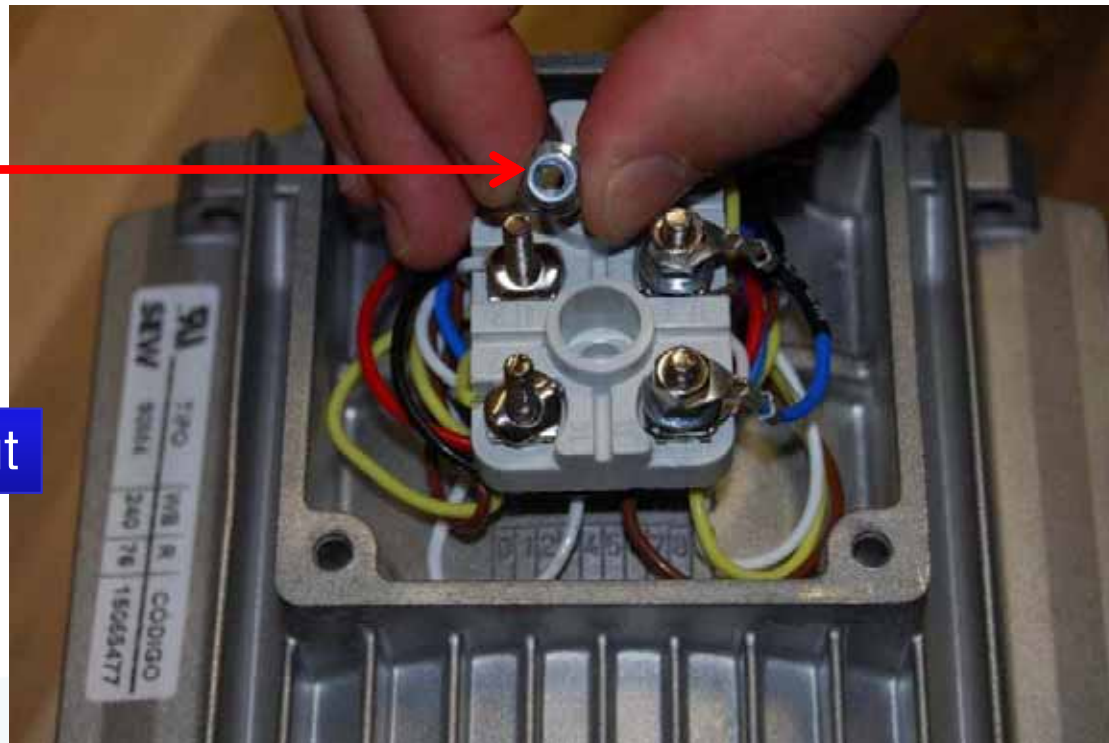
Save Hex Nut

Step 19 – Remove Hex Nuts from T6, T4, and T5



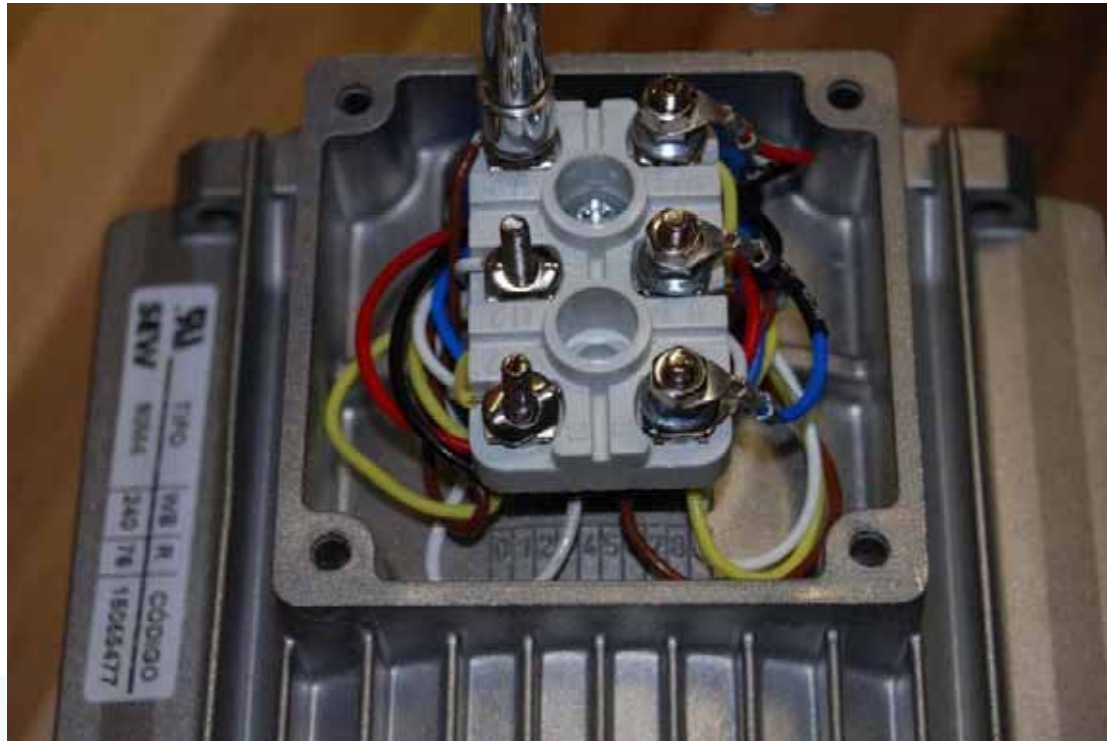
Step 20 – Remove Hex Nuts from T6, T4, and T5

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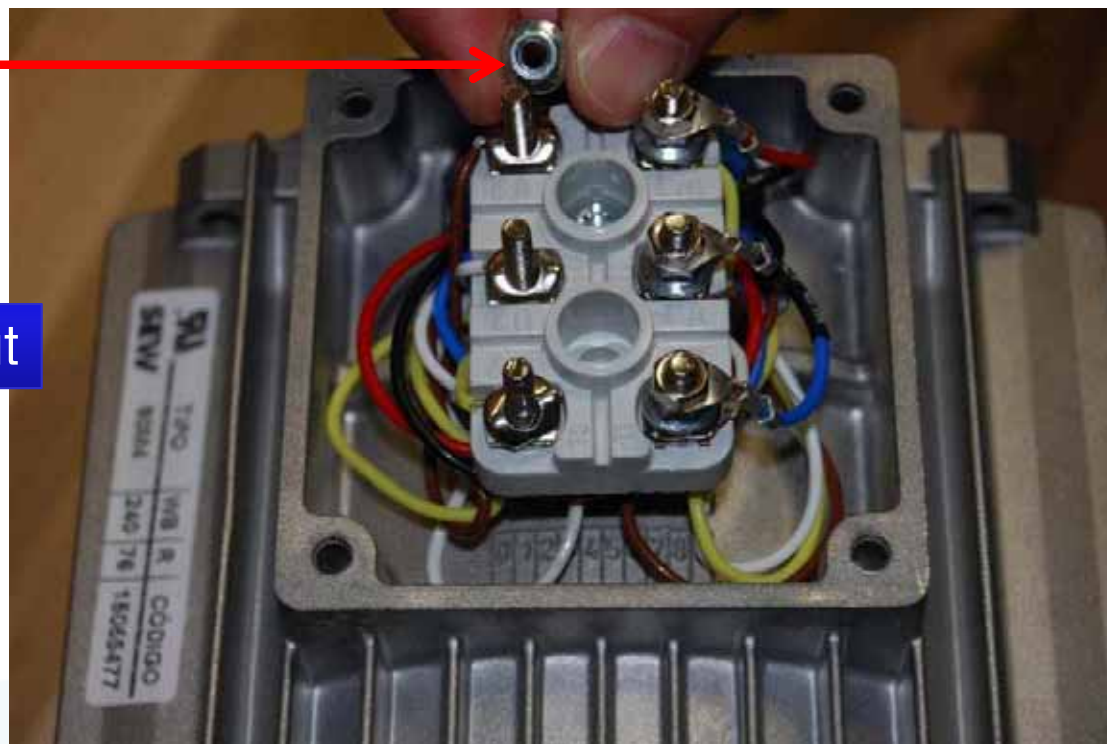


Save Hex Nut

Step 21 – Remove Hex Nuts from T6, T4, and T5

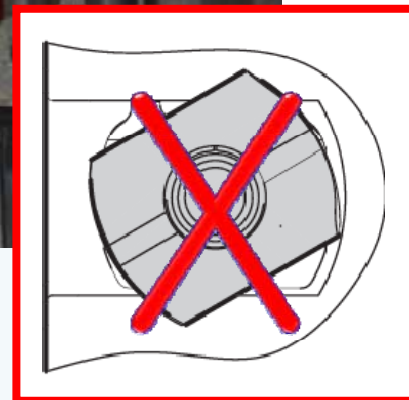
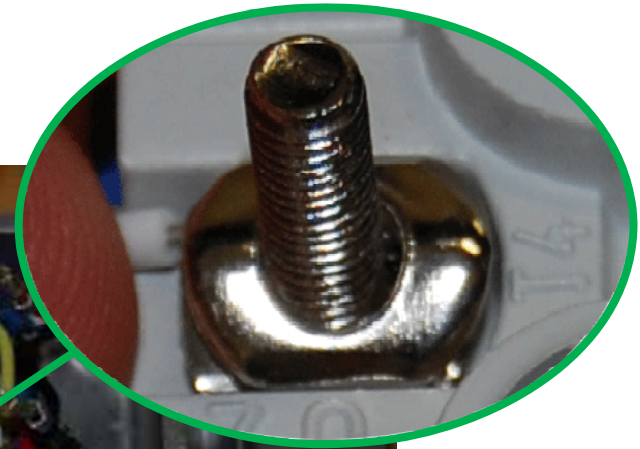
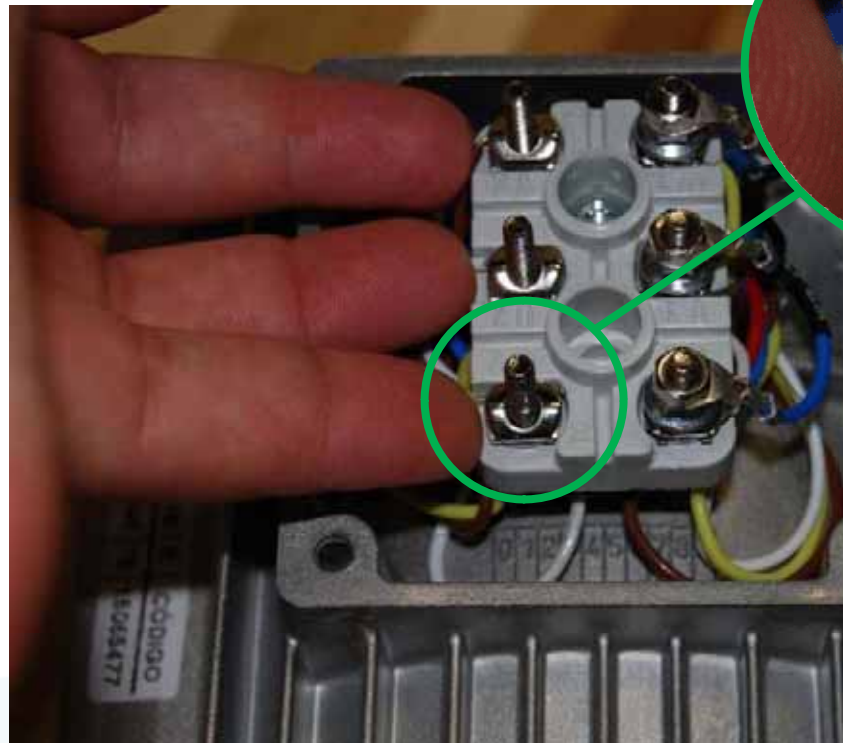


Step 22 – Remove Hex Nuts from T6, T4, and T5



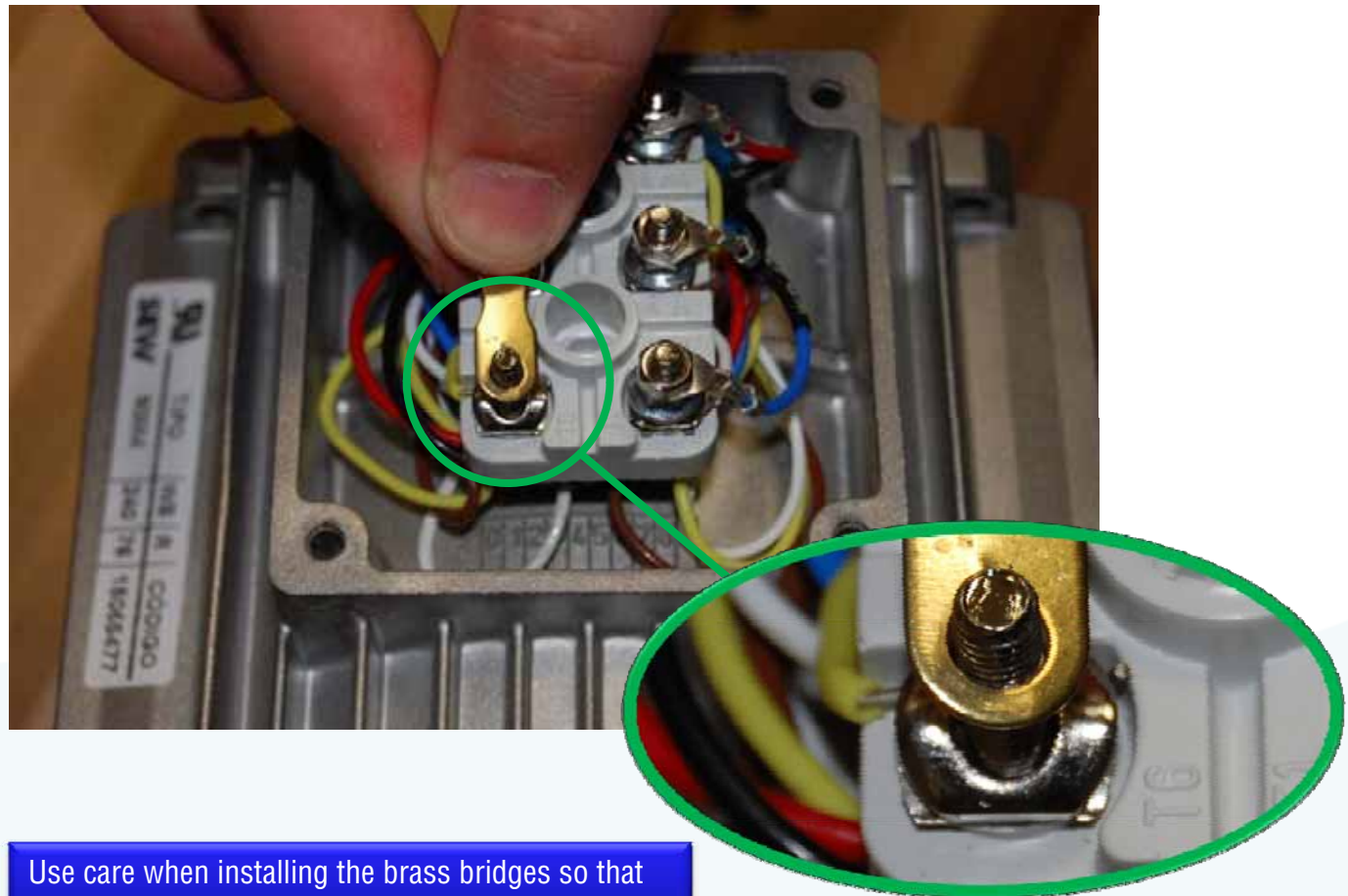
Save Hex Nut

Step 23 – Ensure Terminal Washers Are Seated Properly



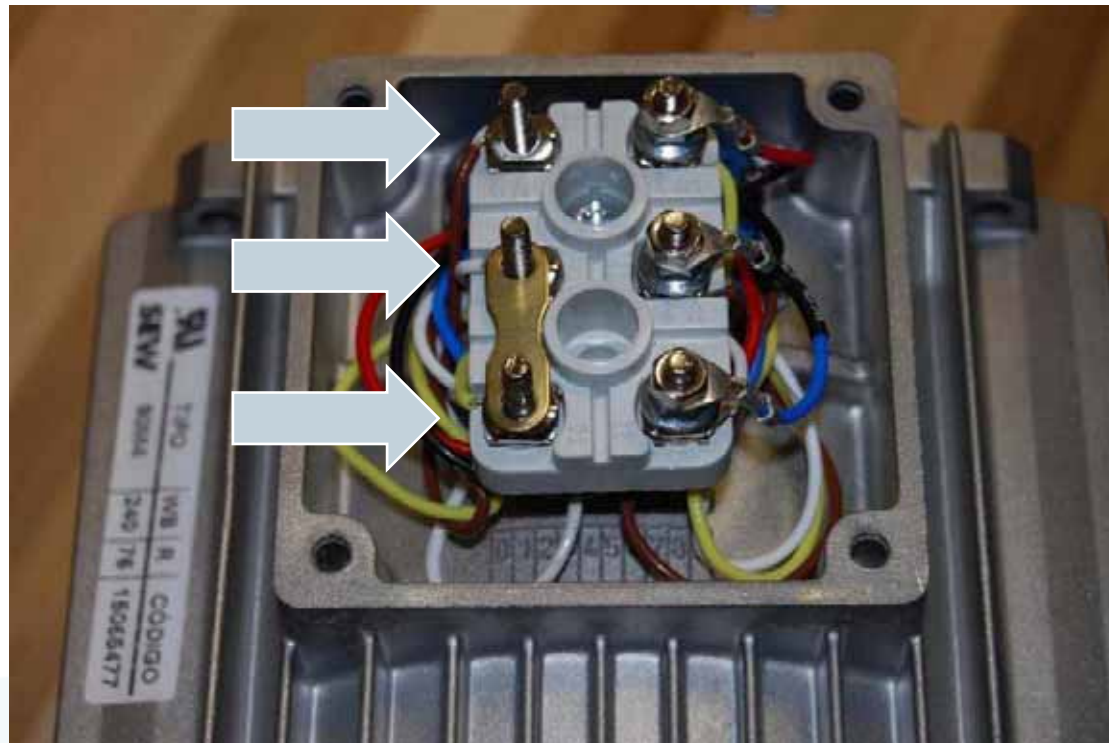
Step 24 – Place Brass Bridges Across Terminals T6, T4, and T5

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Use care when installing the brass bridges so that the terminal washers do not shift out of place.

Step 24 – Place Brass Bridges Across Terminals T6, T4, and T5

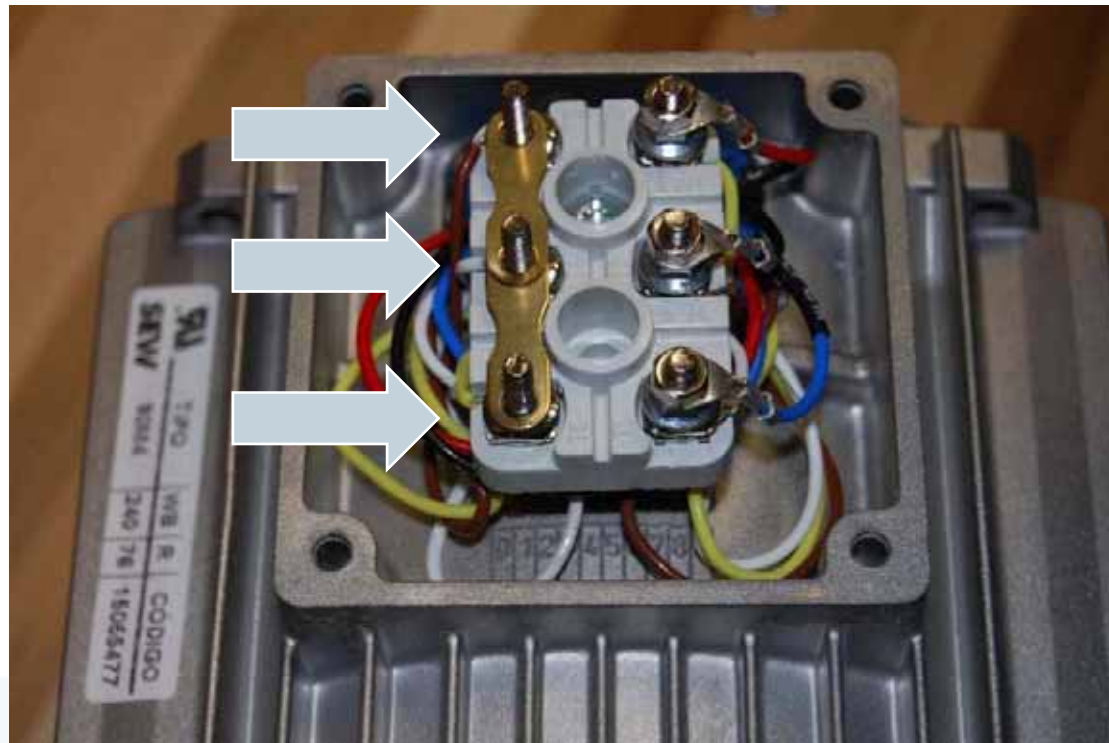


Step 24 – Place Brass Bridges Across Terminals T6, T4, and T5



Step 24 – Place Brass Bridges Across Terminals T6, T4, and T5

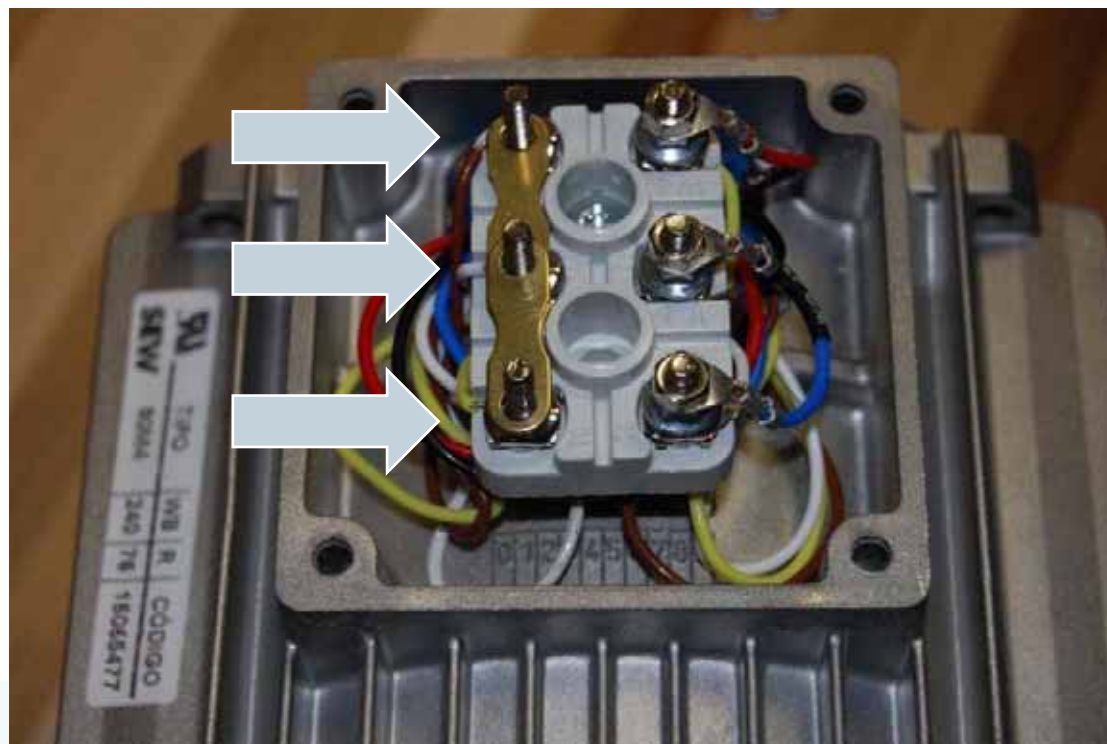
41



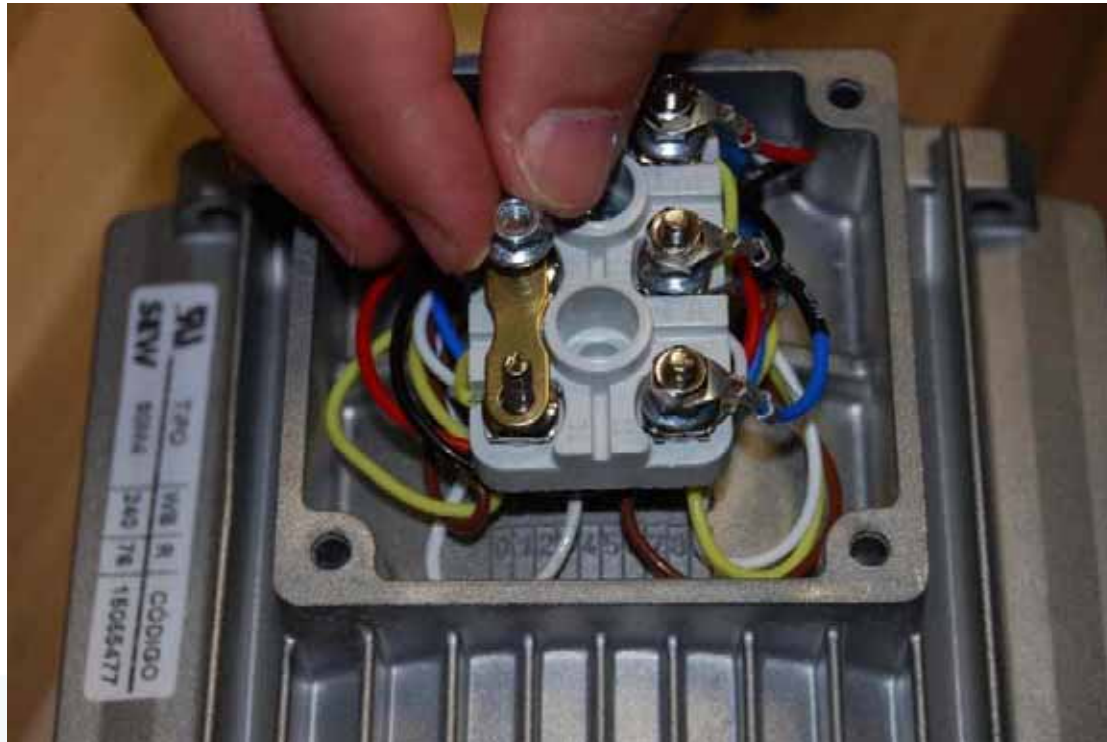
Step 24 – Place Brass Bridges Across Terminals T6, T4, and T5



Step 24 – Place Brass Bridges Across Terminals T6, T4, and T5



Step 25 – Install Terminal Hex Nuts



Step 25 – Install Terminal Hex Nuts

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Step 25 – Install Terminal Hex Nuts

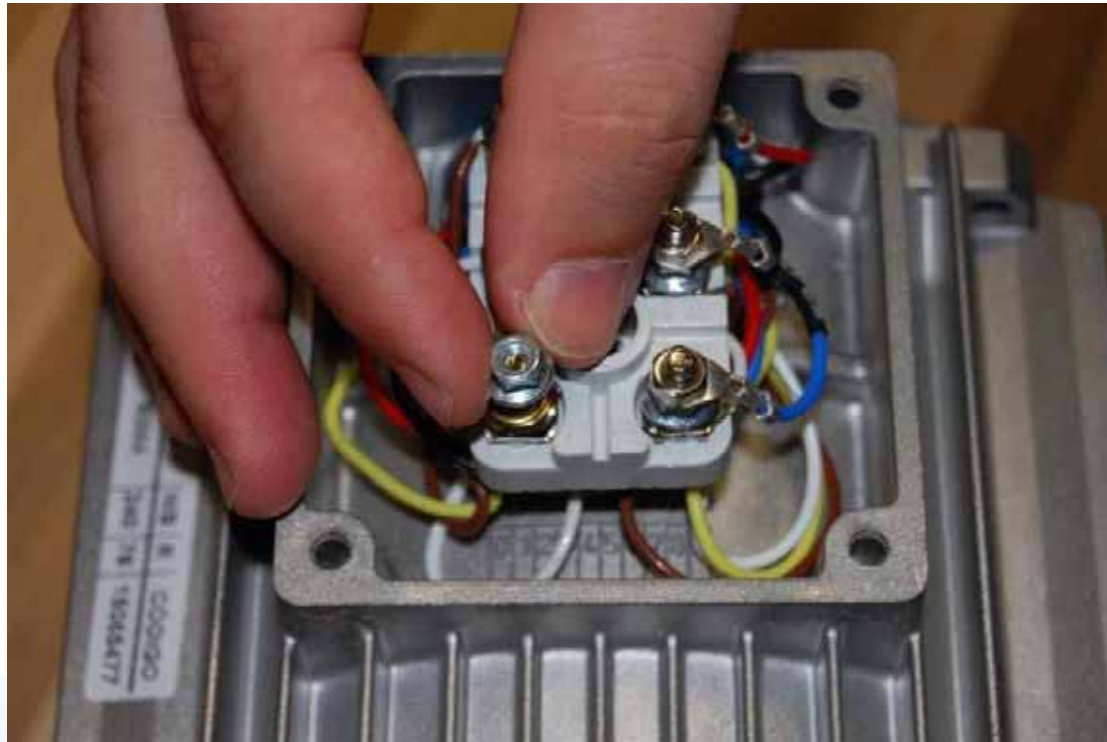


Step 25 – Install Terminal Hex Nuts

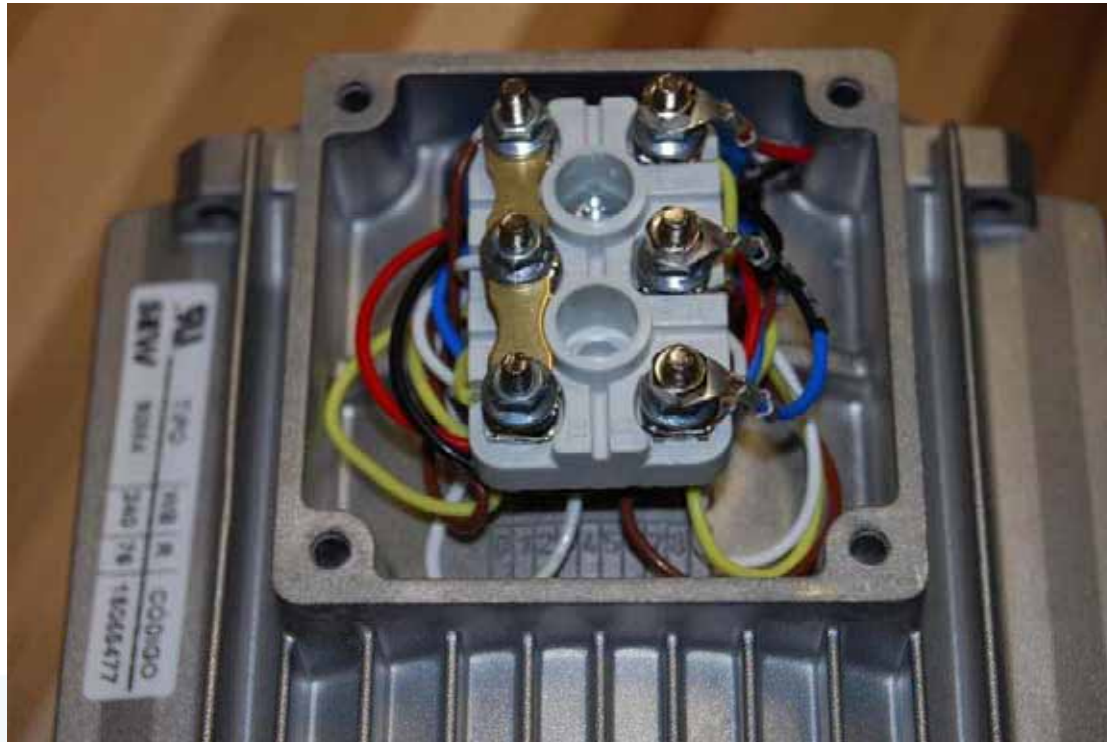
47



Step 25 – Install Terminal Hex Nuts



Step 25 – Install Terminal Hex Nuts



Step 26 – Tighten Terminal Hex Nuts



Step 26 – Tighten Terminal Hex Nuts



Step 26 – Tighten Terminal Hex Nuts



Step 27 – Re-Install Foam Block



