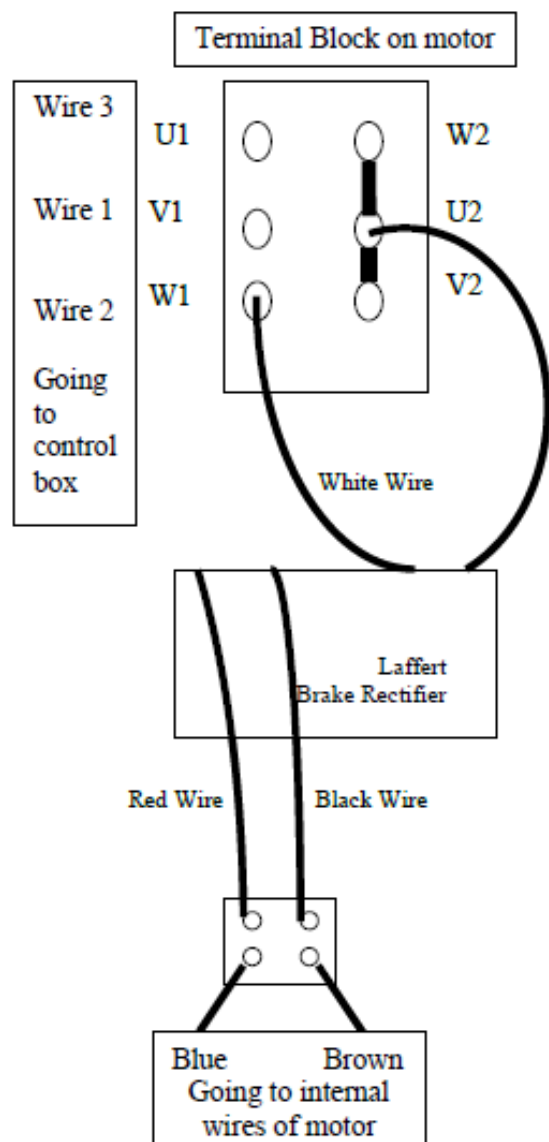




ELECTRICAL TEST ON BRAKED MOTORS (Laffert)



White wires = AC Current

Black wire = Neg DC

Red Wire = Pos DC

To Test Rectifier:

1. On multi-meter, use DIODE MODE.
2. Test across Right Hand (RH) White and Black. Then reverse contactors to multi-meter. Current will run one way only.
3. Test across RH White and Red. Then reverse contactors to multi-meter. Current will run one way only.
4. Test LH White and Black. Then reverse contactors to multi-meter. Current will run one way only.
5. Test LH White and Red. Then reverse contactors to multi-meter. Current will run one way only.

If it fails ANY of these tests the Rectifier is faulty.

When doing Insulation Resistance test on any braked motor either:

- Use 250v on Mega Metre (never exceed 450v)
- Or
- Disconnect both white wires.

Failure to do either of these options will result in damage to the rectifier and then the brake will NOT disengage when hoists travel up or down.