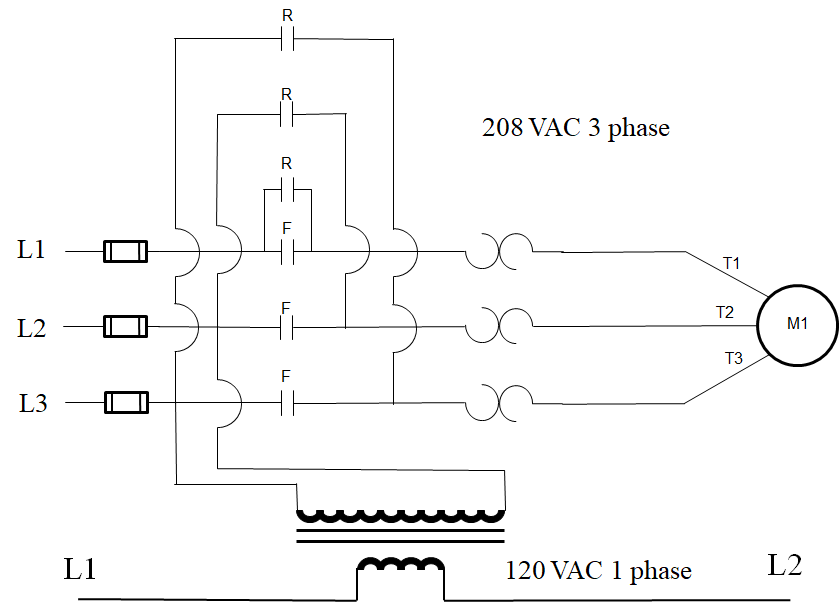
Motor Controls Lab #8 Reversing Motor JD Jones

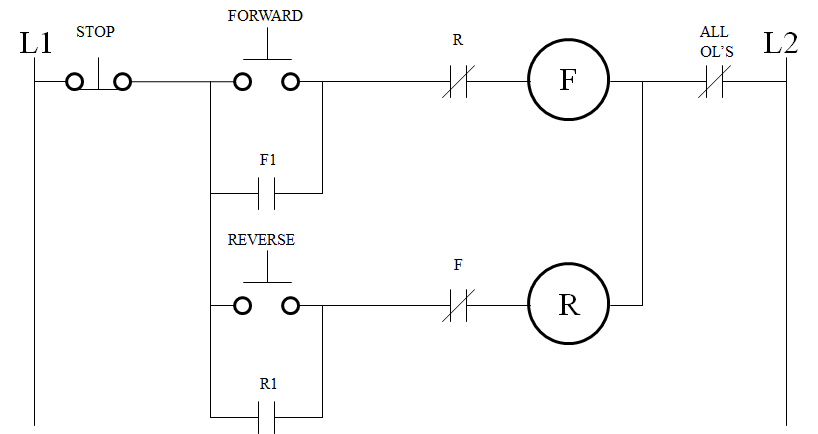
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Points\_\_\_\_\_\_\_\_\_\_/ 100

In this lab you will be wiring up a forward and reverse motor circuit. Again I want to warn you of the dangers of electricity.

Wire up the circuit below but don’t power up until the instructor has approved it.

**You will be wiring up the same circuit 2 times.** The difference will be what brand of motor starter you will use. You will use 2 different brands and one will be 120 VAC and the other will be 24 VDC. You will not be allowed to use the N (Neutral) on the disconnect module.





Troubleshooting time. The instructor will introduce issue number 5 now. You will have to fix the machine as quick as possible.

Points for fixing the machine.

a) Less than 10 minutes = 25 pts

b) Between 10 and 15 minutes = 15 pts

c) Between 15 and 25 minutes = 5 pts

d) Over 25 minutes = 0 pts

Points for

a) Assembly of the ladder 120 VAC control 20 pts

b) Assembly of the ladder in 24 VDC control 20 pts

c) Written explanation of the ladder diagram 20 pts

d) Rung number and cross reference 10 pts

e) Safety glasses and grounds are all connected 5 pts

INSTRUCTOR’S INITIAL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_