

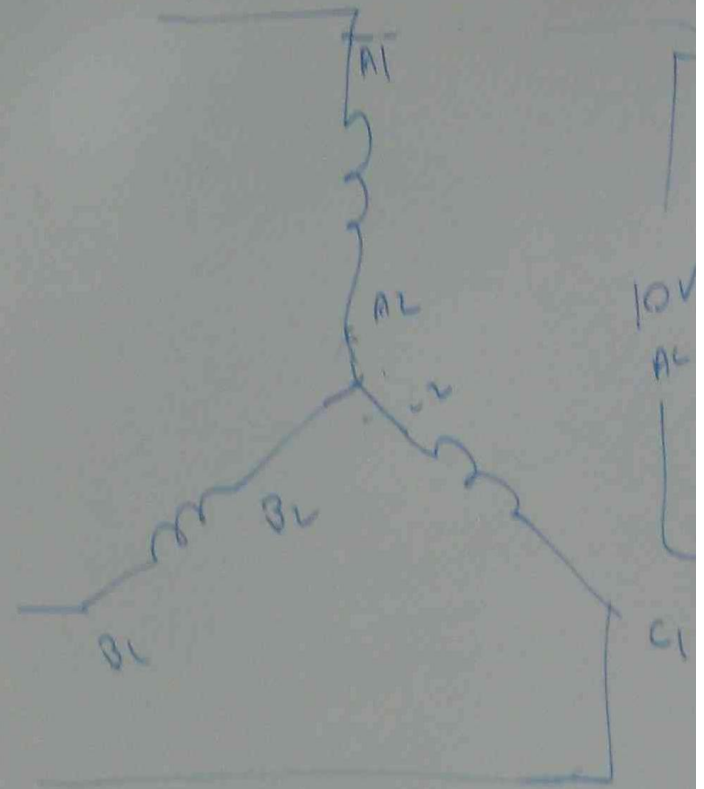
TESTING OF MOTOR POLARITY

IF ONE PHASE OF 3ϕ INDUCTION MOTOR IS
REVERSED (OR) WRONG POLARITY

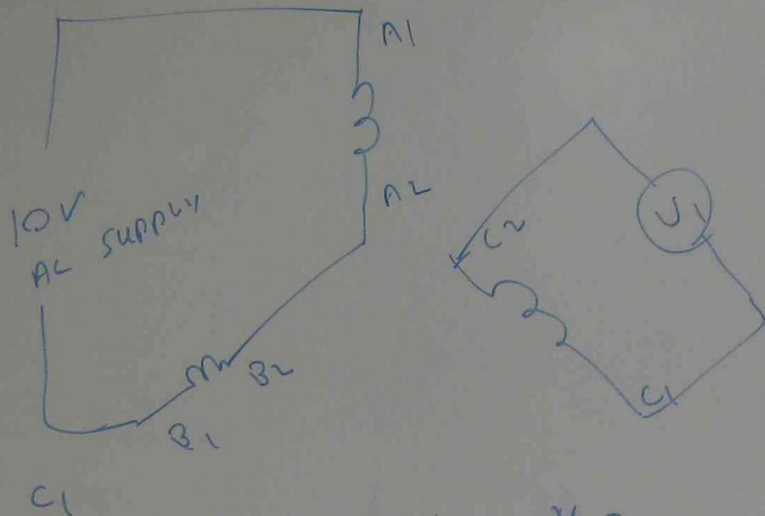
- MOTOR WILL MAKE ABNORMAL SOUND
- MOTOR WILL ROTATE SLOWER

IT NEEDS TO CHECK MOTOR POLARITY

BEFORE CONNECTION TO SUPPLY



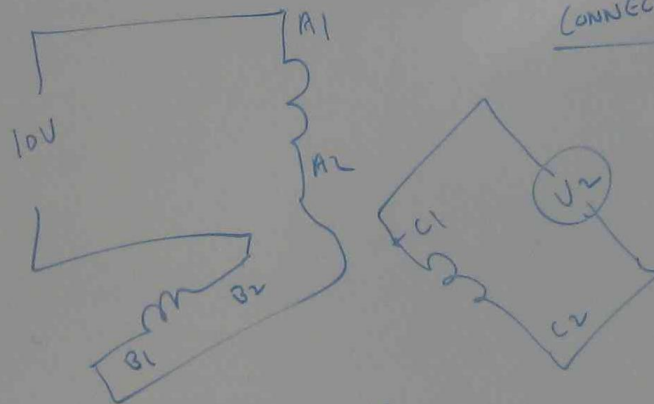
CONNECTION ①



NOTE $V_1 =$

THEN CHANGE CONNECTION

CONNECTION ②



NOTE $V_2 =$

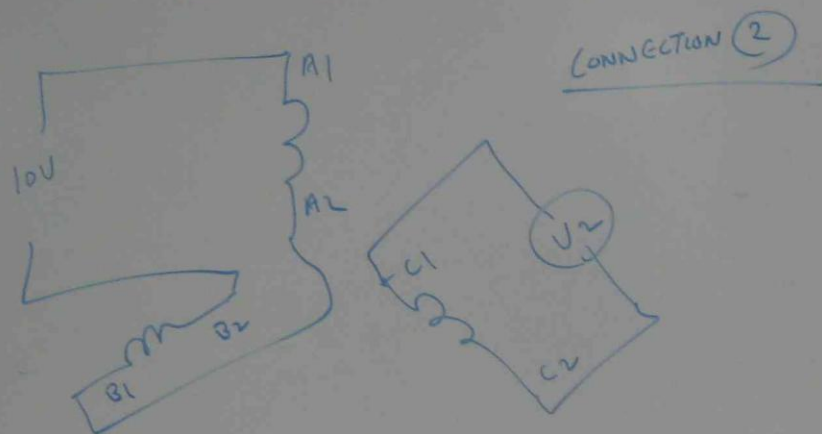
IF $V_1 < V_2$

A AND B PHASE HAS CORRECT POLARITY CONNECTION.

IN CONNECTION ①

A AND B PHASE HAS WRONG POLARITY IN CONNECTION ②

THEN CHANGE CONNECTION



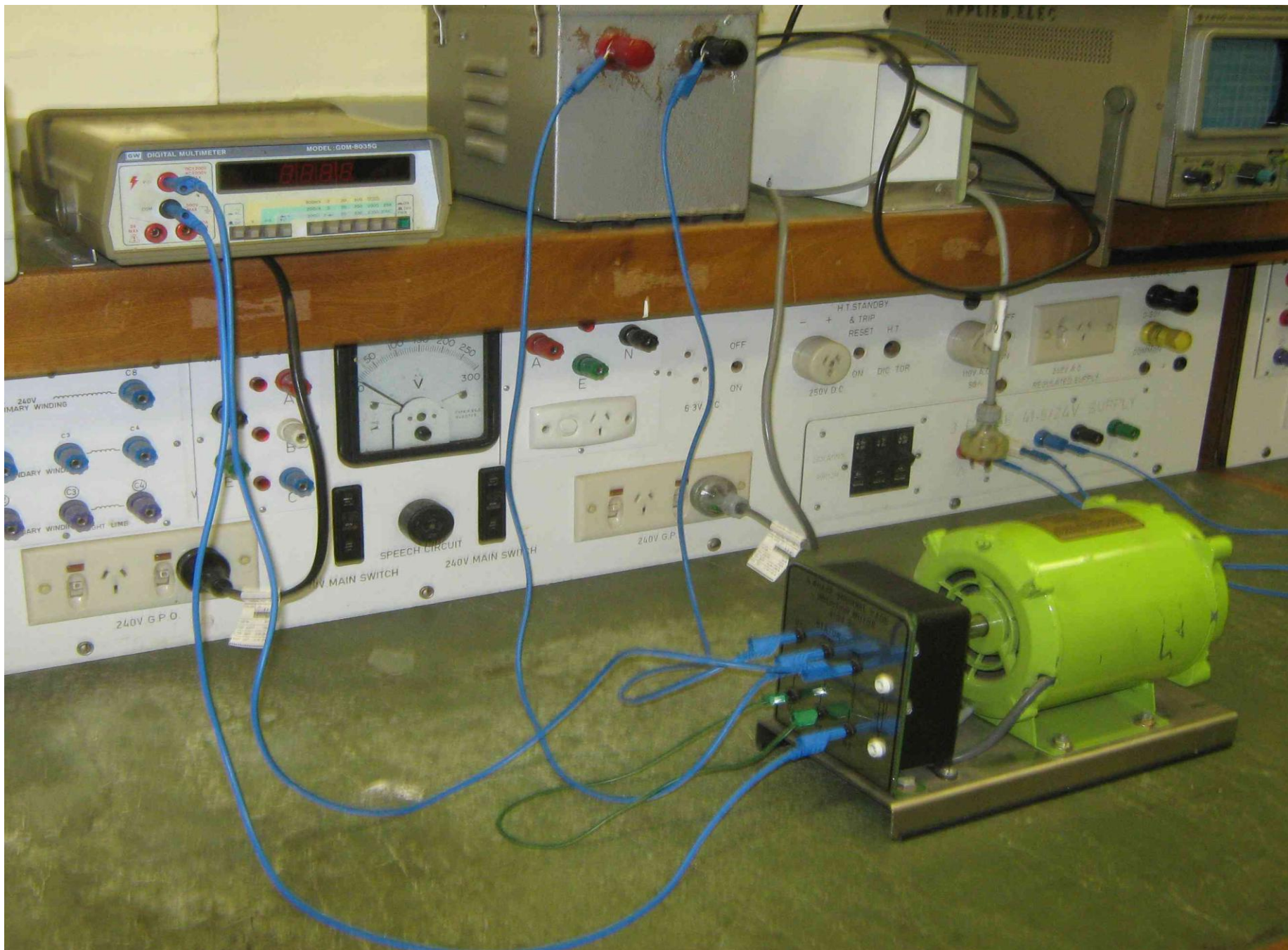
NOTE $V_2 =$

THEN CONNECT A & C PHASE
AND TEST AGAIN ON B PHASE

V_2

HAS CORRECT POLARITY CONNECTION.

HAS WRONG POLARITY IN CONNECTION (2)

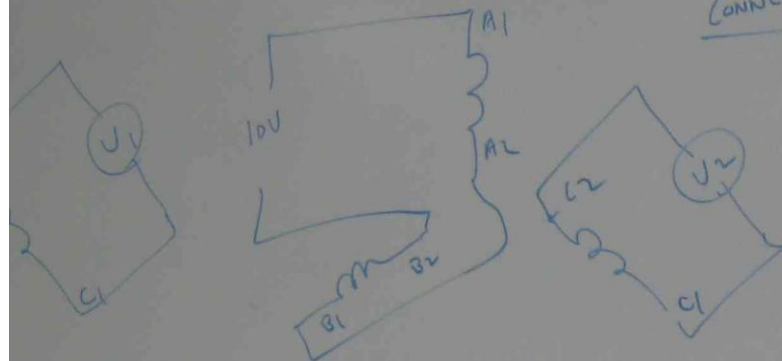




tion ①

THEN CHANGE CONNECTION

CONNECTION ②



NOTE $V_2 =$

$$V_1 =$$

$$V_2 \approx 0$$

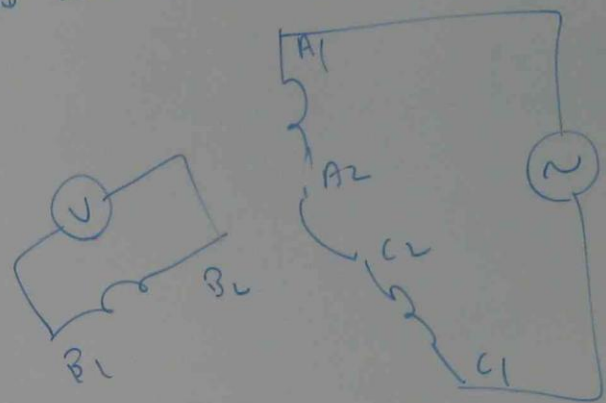
$$V_1 < V_2$$

B PHASE HAS CORRECT POLARITY CONNECTION.

CONNECTION ①

B PHASE HAS WRONG POLARITY IN CONNECTION ②

THEN CONNECT A & C PHASE
AND TEST AGAIN ON B PHASE



$$V \approx 0$$

