

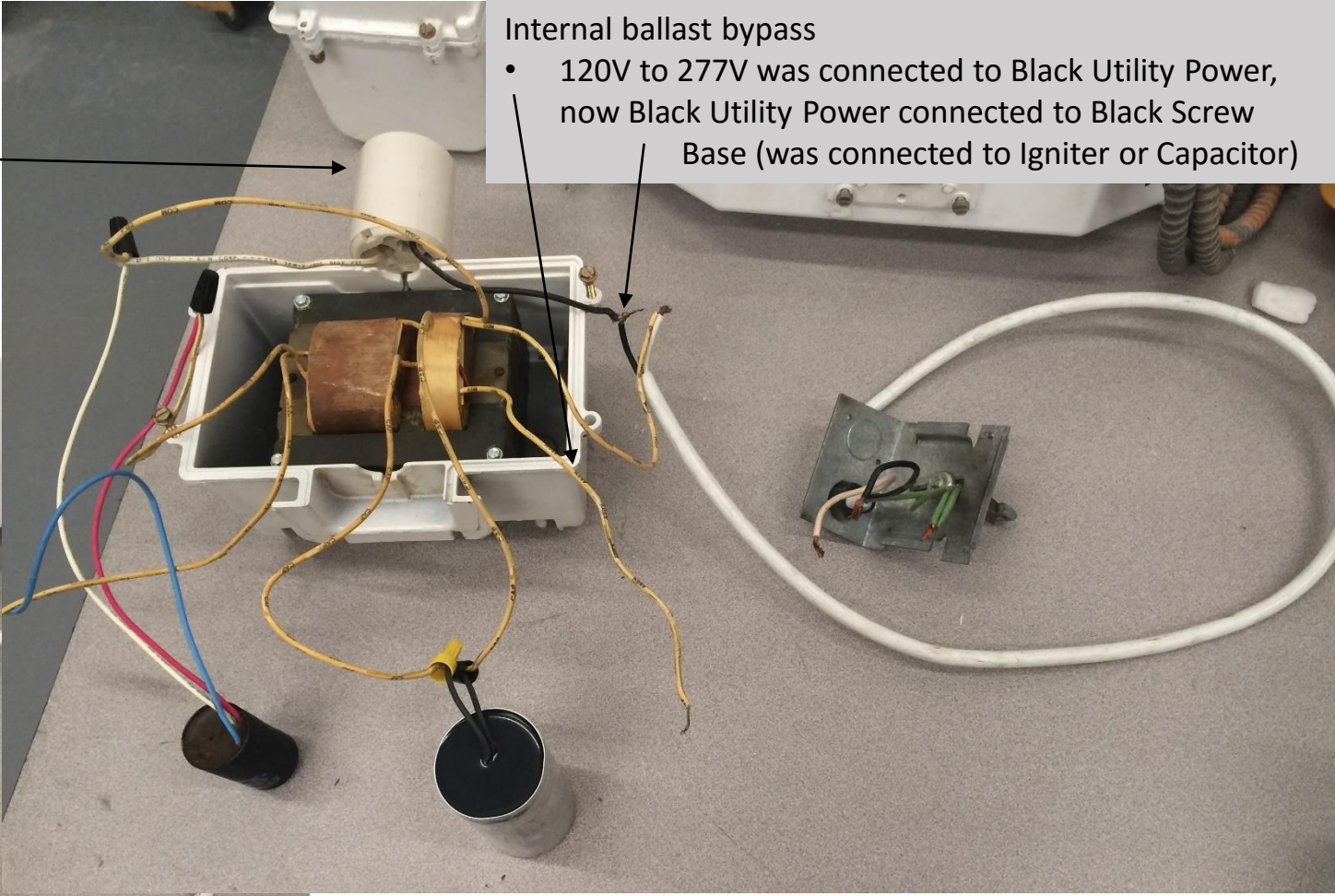
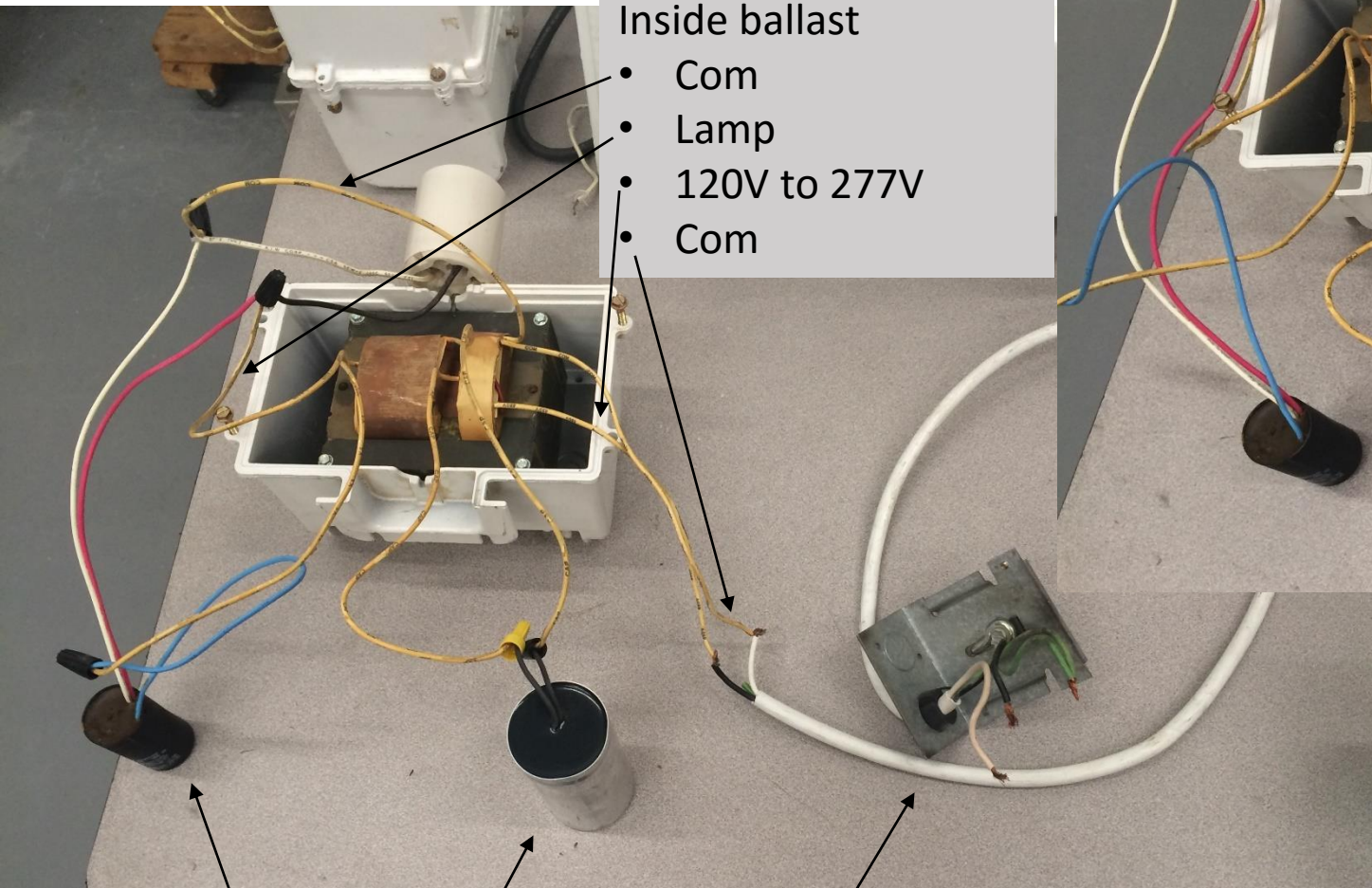
Typical Ballast bypass- internal bypass method
120V to 277V utility gets connected directly
to screw base.
No changes in Com (common White wires)

Typical nomenclature
Inside ballast

- Com
- Lamp
- 120V to 277V
- Com

Internal ballast bypass

- 120V to 277V was connected to Black Utility Power, now Black Utility Power connected to Black Screw Base (was connected to Igniter or Capacitor)



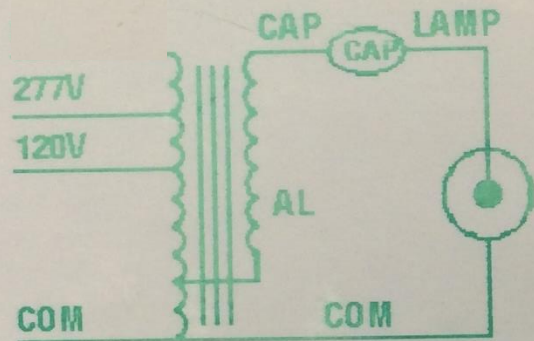
Optional igniter Capacitor Utility power in 120V, 208V, 277V

71A60A1 - A

CW AUTOTRANSFORMER BALLAST
400W M59 METAL HALIDE LAMP

120/277/347V 60HZ
4.0/1.75/1.40A 300VOC
24MFD 400V CAP
AD180

ASSEMBLED IN MEXICO ML160A16AG REV. A



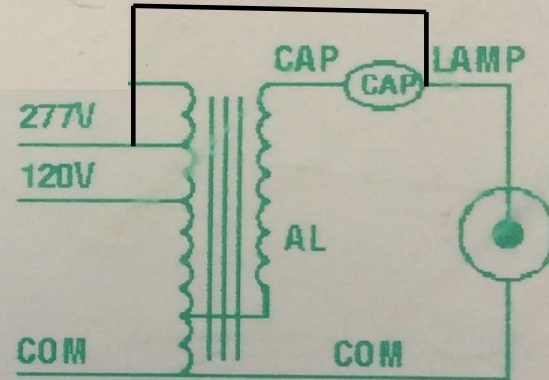
GROUND BALLAST CORE AND
METALLIC CAPACITOR CASE

FIXTURE TEST DATA

INPUT VOLTS	INPUT CURRENT OPEN CKT.	INPUT CURRENT SHORT CKT.
120V	2.00 - 3.20A	2.75 - 4.20A
277V	0.85 - 1.35A	1.20 - 1.80A
347V	0.70 - 1.10A	0.95 - 1.45A

OCV 270 - 330V
SHORT CKT. SEC. 3.50 - 4.30A

Bypass



GROUND BALLAST CORE AND
METALLIC CAPACITOR CASE

FIXTURE TEST DATA

INPUT VOLTS	INPUT CURRENT	
	OPEN CKT.	SHORT CKT.
120V	2.00 - 3.20A	2.75 - 4.20A
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OCV 270 - 330V
SHORT CKT. SEC. 3.50 - 4.30A