

# COATS 1004 ELECTRONIC WHEEL BALANCER

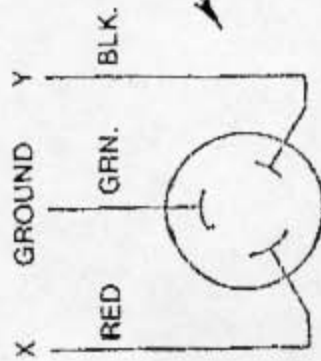
(Three Phase 220 VAC To Single Phase 220 VAC)

## INSTRUCTIONS

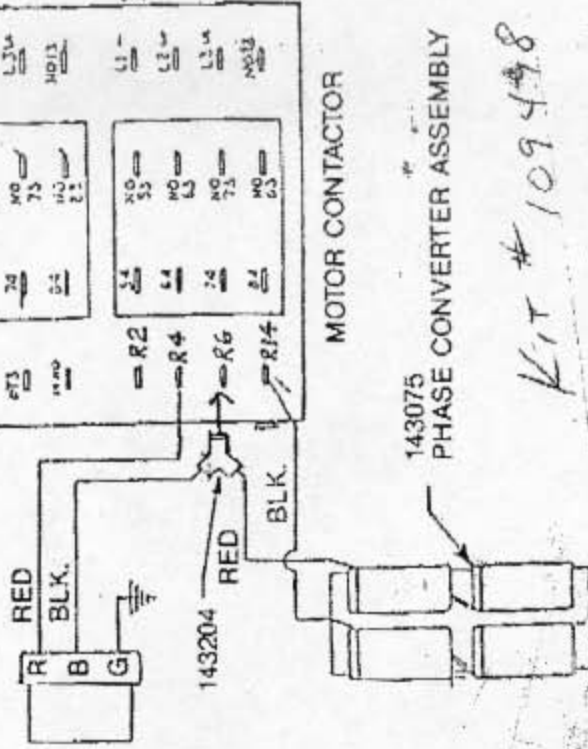
1. Remove white power cable from R-14, cut off and insulate (electrical tape).
2. Cut off white power cable conductor at plug and insulate (electrical tape).
3. Remove original plug and install new 220 VAC plug as shown.
4. Using brass double slide adapter connect red capacitor lead to R-6.
5. Connect black capacitor lead to R-14.
6. Use tie wraps as needed.
7. Remove side weight tray and mount capacitor panel to existing holes in side of cabinet with screws and lock washers.

## PARTS LIST

1 EA	143075	Capacitor Panel Assy
1 EA	305076	250 VAC, 20 AMP
4 EA	301082	#8 - 32 X 1/2 PHMS
4 EA	301083	#8 Internal Lock Washer
2 EA	150124	Tie Wrap
1 EA	143204	Double Slide Adapter-Brass



305076  
SINGLE PHASE 220 VAC PLUG



FORWARD  
REVERSE

*KIT # 109498*

*143075 = 3 of 303194*

1. The inner flange of the wheel must be between 4" and 6" from the balancer cabinet when mounted on the threaded shaft.
2. Width must be between 5.5" and 7".
3. Tire must be 195/70-14 or equivalent.
4. Lateral runout must be 1/8" or less.

#### **WEIGHT SENSOR CALIBRATION PROCEDURE:**

1. Securely mount the test wheel on the balancer shaft. Enter the wheels A, W, and D dimensions. (NOTE: The "W" dimension is the distance between the wheel weight centers.)
2. Spin the wheel through 8 to 10 cycles to bring all the balancer components up to operating temperature.
3. Use the keypad to enter "C04W" or code 04W to place the balancer in the high accuracy mode.
4. Press the mode key to select the Dynamic mode.
5. Press the start button and balance both planes of the wheel to less than 0.05 oz. This may require several spins.

1-800  
877-801-7711 <sup>the CO</sup> <sub>orange key</sub>

6. Attach a 4 oz. weight anywhere on the outer flange of the wheel.
7. Key in "C01W" or code 01W. Press the start button. The wheel should spin 26 revolutions and then brake to a stop.
8. When the wheel comes to a stop, the outer display should show 3.99 and the inner display should show a value between .00 and .10. If the inner reading is too large, respin until the reading is in the .00 to .10 range. (.05 or lower preferred)
9. Rotate the wheel so the 4 oz. weight is exactly at the bottom dead center and key in "C02W". Press the start button.
10. When the wheel comes to a stop, the outer display should show  $4.0 \pm .05$ , the inner display should show .00 - .05, and the 4 oz. weight should be at bottom dead center when the outer position indicator is lit.
11. If the 4 oz. weight is not at exact bottom dead center, rotate the wheel to position the weight exactly at bottom dead center. Key in "~~C37W~~" or code ~~37W~~<sub>02W</sub>. Press the start button.
12. When the wheel comes to a stop, the outer display should show  $4.0 \pm .05$ , the inner display should show .00 - .05, and the 4 oz. weight should be at bottom dead center when the outer position indicator is lit.

continue on next page with step 13...