



PBOC Open Racing Car Classification Worksheet

Car Owner: _____

Car year / make / model: _____ / _____ / _____.

Car Weight, in pounds: _____

Displacement in liters (X.X) _____

Turbo or Supercharged (Yes or No) _____ If yes, multiply Displacement by 1.5 = _____

Note see Item 4 below regarding Weight and Displacement determinations.

1. Race car classifications will be based on the Weight/Displacement Index (**WDI**).

(a) “**Weight**” means the measured weight (in pounds) of the car (no driver); and

(b) “**Displacement**” means the actual engine displacement in liters (i.e., if the engine displacement is modified from stock, the modified displacement is used).

2. WDI calculation (see example on next page):

(a) (A) equals the quotient of Weight divided by Displacement.

(b) Divide (A) by 100 and truncate resulting quotient to two numbers to the right of the decimal point. The result is (B).

(c) Round (B) to nearest whole number, up if decimal is .50 or greater or down if decimal is lower than .50. The result is WDI.

Insert the Weight and Displacement values below and calculate:

(i) (A) = $\frac{\text{_____}}{\text{[Weight]}} / \frac{\text{_____}}{\text{[Displacement]}} = \text{_____}$

(ii) (B) = $\frac{\text{_____}}{\text{[A]}} / 100 = \text{_____}$, truncated to _____.

(iii) Round B per (c) above: _____

4. The following rules apply to calculation of WDI and classification:

(i) If measured weight per scales is not available, then factory curb weight for the specific vehicle and year minus 200 pounds will be used.

(ii) Displacement of supercharged and turbocharged engines will be multiplied by a factor of 1.50. For example, a turbocharged 2.5 liter engine would be classed based on a 3.75 liter displacement.

Example: Assume a 2900 pound racecar with a 3.6 liter engine:

(i) $(A) = \frac{2900}{[\text{Weight}]} / \frac{3.6}{[\text{Displacement}]} = \underline{805.55}$

(ii) $(B) = \frac{805.55}{[A]} / 100 = \underline{8.0555}$, truncated to 8.05.

(iii) Round B per (c) above: 8

I certify to the best of my knowledge that the information provided on this work sheet is true and correct.

Date _____

_____ [signature]

Name: _____ [print]