

# AROSC Comp Code, Appendix D

## Non-Alfa Classification

The Director of non-Alfa classification is responsible for classifying all non-Alfas entered in Time Trials and Races. To do this he uses information provided on entry forms along with personal observation at the track. The classifications are based on weight-to-power ratio with corrections for tires and suspension modifications. The steps are as follows:

- 1) Calculate the raw weight-to-power ratio in pounds per horsepower (lb/hp) using
  - a) Estimate the hp at the flywheel
    - i) Use no values less than entrant has previously stated
    - ii) Use no values less than known stock hp
  - b) Estimate the vehicle weight (lb) less driver/fuel
    - i) Use no values greater than entrant has previously stated
    - ii) Use no values greater than known stock weight
- 2) Adjust this number as follows for tire selection:
  - a) Subtract 1.0 lb/hp for slicks or non-DOT rated race tire
  - b) No adjustment for DOT rated race tires (R/race-compound tires or tires not recommended for street use as per the manufacturer) or street tires with a treadwear rating of less than 200.
  - c) Add 2.0 lb/hp for street tires (treadwear rating of 200 or greater)
- 3) Adjust the above number as follows for suspension modifications from stock:
  - a) No adjustment for stock suspension (OEM w/o modification, adjustments within the manufacturer's limits are acceptable)
  - b) Subtract 0.5lb/hp for modified suspension (non-OEM shocks, springs, bushings, bars, and/or camber/caster plates)
  - c) Subtract 1.0 lb/hp for major suspension modifications (non-OEM lightweight parts, parts which modify suspension geometry or "off-the-shelf" OEM race parts as per the manufacturer's description)
- 4) Subtract 2.0 lb/hp for purpose-built race cars (tube frame cars or cars not originally manufactured and sold for street use, Ferrari Challenge cup cars for example.
- 5) Add 1.0 lb/hp for automatic transmission; subtract 0.5 lbs/hp for paddle shift (automated manual transmission).
- 6) Class structure is based on lbs/hp after the above adjustments:

Class	Points (lb/hp)	
	From	To
K*	0	<8
L**	0	<8
M	8	<10
N	10	<12
O	12	<14
P	14	<20
Q	20	>20

\* Engine displacement < 3 Liters (183 cu in)

\*\* Engine displacement >= 3 liters (183 cu in)