

DMS TIME TRIALS RULEBOOK 2026

Race the Clock. Edmonton's Grassroots Autocross & Track Sprint Series.

1. Overview

Welcome to DMS Time Trials! Our goal is to provide a safe, fun, and fair place to race your street car.

DMS Time Trials uses a Weight-to-Horsepower (WT:HP) classing system combined with modification points to keep competition balanced and easy to understand. This rulebook is designed to be simple, but we know classing can be confusing for new drivers.

The 3 most important rules:

- Your Base Class is found by dividing factory curb weight (lbs) by factory-rated horsepower.
- Points are given based on mods. You only get points once per category.
- The amount of points determine if you stay in your class or bump up.

New drivers: Follow Section 5 for a step-by-step classing walkthrough. If you get stuck, reach out on Discord or email dan@dmstiming.ca.

2. Class Breakdown

Your base class is determined by your car's Weight-to-Horsepower (WT:HP) ratio.

$WT:HP = \text{factory curb weight (lbs)} \div \text{factory-rated horsepower}$

Data Source: OEM manufacturer data is the primary source and must match the model year, trim, and transmission. If unavailable, data from reputable, independent reviews (e.g., Car & Driver, Edmunds, MotorTrend original road tests) may be used.

Engine Swaps: Vehicles with engine swaps use the donor engine's OEM crank horsepower before applying modification points.

Exhibition: Vehicles using <100TW slicks or non-street-legal configurations will automatically be placed in the Exhibition Class (see Section 12).

Class	WT:HP Ratio	Description
Daily	15+	Base models, economy cars
Sport	12.00-14.99	Sport trims, mild performance cars
Tuner	9.00-11.99	High-performance street cars, hot hatches
Performance	< 9.00	High-power & modified cars

3. Modification Points

Each category adds points once, regardless of the quantity installed.

Category	Points	Description
Basic Power Mods	+1	NA Cars: Require tune and 2 or more airflow bolt-ons (intake, header, cam catback) Turbo/SC: Any aftermarket tune. <i>*Note Bolt-ons alone = 0 points for all cars.</i>
High-Flow Exhaust (Turbo)	+1	Downpipe or catless exhaust on turbo vehicles.
Major Power Adders	+2	Added turbo/SC to NA engine, upgraded turbo, performance head swaps, stroker kits, or any displacement increase.
Suspension	+2	Coilovers OR 3+ suspension components.
Track Aero	+1	Large splitter or large wing.
Major Weight Reduction	+2	Full interior strip, 100+ lbs removed.
Performance Tires	+3	Any tire with a treadwear rating from 100TW to 199TW, or any tire on the

"Super 200" list (see Sec 3.1).

Extra-Wide Tires or Rims +1

Tires +40mm or Rims +2" over widest OEM option.

Clarifications:

Suspension Components:

- Springs (full set) = 1 component
- Shocks/struts (full set) = 1 component
- Sway bars count individually (front = 1, rear = 1)
- Camber increasing parts = 1 component per axle
- Only parts that directly affect damping, camber, ride height or wheel rate count.
- OEM replacement parts do NOT count

Tune Definition: A Tune = ECU reflash, ECU replacement, piggyback, or software altering ignition, fuel, cam timing, or boost tables. Manual timing adjustments, or carburetor tuning, does not count.

Track Aero: Large reinforced or adjustable motorsport wings & splitters made for the purpose of increasing down force. Cosmetic aero (lip kits, spoilers, stick-on canards) does NOT count. *"If it doesn't stick out more than 5" from the body line, or looks like you bought it off Amazon, it's not considered track aero"*

Widest OEM Option: The widest tire or rim width the vehicle was available with from the factory. Does not include model trims that are outside of the class's Weight : HP ratio. *e.g : A 2025 Civic Sport (Daily) can't use a 2025 Civic Type R (Tuner) for base widths.*

3.1. Tire Rules

- All tires <100TW = Exhibition Only.
- The +3 points for Performance Tires applies to all tires on the "Super 200" list below, and all tires from 100TW - 199TW.
- "Super 200" Tires include: RE71RS, Potenza Race, A052, RT660, V730, CRS, SC3, P1, V-01R, Rival S, Rival +, Cup 2, Sport R, VR2, ECF & TAP.

**New 200TW+ performance tires that are rated at B, B+ or higher by Grassroots Motorsports for time trial pace will be added to this list. B- rated tires will be subject to review, C rated or lower will not be added to the list.*

4. Class Points Allowance

- 4 or more points → Move up 1 class
- 8 or more points → Move up 2 classes
- 12 or more points → Move up 3 classes

** Performance is the highest competitive class. You cannot be bumped higher than Performance.*

5. How to Find Your Class (Step-by-Step)

1. Find factory curb weight (lbs).
2. Find factory horsepower (crank HP).
3. Calculate WT:HP ratio (Weight ÷ HP).
4. Determine your base class from the table in Section 2.
5. Add all modification points from Section 3.
6. Apply the bump rules from Section 4.
7. Done! (Remember, the maximum competitive class is Performance).

6. Classing Example (Walkthrough)

Car: 2015 Subaru WRX

Mods: Coilovers, cat-back, intake, tune, RE71RS tires

1. Factory Curb Weight: 3,267 lbs
2. Factory Horsepower: 268
3. WT:HP: 12.19 (3267 / 268)
4. Base Class: Sport (12.19 is between 12.00-14.99)
5. Mod Points:
 - Suspension (Coilovers): +2
 - Basic Power Mods: +1
 - Performance Tires: +3

Total Points: 6

6. Apply Bump: 6 points is "4 or more points", so move up 1 class.

7. Final Class: Tuner

7. Event Format

- Up to 8 timed runs per event.
- Your best clean run counts.

**Drivers get a 30-minute practice session before the timed runs to get used to the course. Speed's capped at 50 km/h for practice.*

Penalties:

- Cone hit = +2 seconds to run
- Dropping 2+ tires off pavement OR going off-course = DNF (run invalid)

8. Start Procedures

To minimize launch advantages between drivetrains:

- Autocross: Standing start → short acceleration zone → timing starts 5–10 ft before first element.
- Track Sprint: Standing start → 100–150 ft acceleration zone → timing starts after.

9. Championship Scoring System

Points are pro-rated based on the fastest driver in your class:

$$\text{Points} = (\text{Fastest Time} / \text{Your Time}) \times 100$$

* Only the fastest driver earns 100 points.

Season Format: 9 events total (6 Autocross, 2 Track Sprints, 1 Final Combined).

- Your best 6 events + Final Combined (worth 1.5x points) determine your championship score.

10. Driver Declaration & Fairness

Drivers must accurately declare weight, horsepower, tires, and all modifications. Misrepresentation may result in disqualification.

11. Safety & Technical Requirements

- Vehicle must be mechanically sound.
- No fluid leaks.
- Battery secured.
- No cords showing on tires.
- No loose interior items (phones, water bottles, tools, etc.).
- Vehicle must be wider than tall.
- Large Trucks, SUVs & Vans are not allowed.
- Helmets: Snell M/K/SA 2010+ or ECE 22.05/22.06 required.
- Max noise: 95 dBA @ 100 ft.
- Drivers must have a drivers license & complete annual online waiver & self-tech.
- Note: Drivers are responsible for ensuring their vehicle meets all safety requirements before arriving. Organizers reserve the right to perform safety spot-checks and may disqualify any vehicle deemed unsafe.
- Passengers must complete the waiver and be 14+.

12. Exhibition Class

Non-street vehicles, slick-equipped cars (<100TW), and karts run for time only. No awards or Championship points are given out for this class.

13. Questions & Updates

We want you to have fun. If you are confused about classing or any rule, please ask!

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