



## ***Paddock Communication – 2021 AFT Redline Rule Changes***

**To:** American Flat Track Community  
**Date:** 11/19/2020  
**Effective Date:** 2021  
**Subject:** 2021 AFT Rulebook changes

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The following abridged Rulebook **Redlines** identify proposed updates to the 2021 American Flat Track operational and technical rules. These regulations are in final evaluation phase, are subject to possible modification and may be included in the official 2021 AFT Rulebook.

### **Section 1; Memberships, Licenses, Credentials and Entries**

- **All Classes will utilize Team Owner structure** (as introduced in SuperTwins in 2020) Details TBA
- **Minimum and Maximum age** limitations by class:
  - o AFT SuperTwins, 18 minimum
  - o AFT Production Twins, **17 minimum. Note: any 17-year-old applicant must have finished in the top 3 championship positions in AFT Singles the season prior. The application will still be subject to approval by AMA Pro Racing**
  - o AFT Singles, 16 minimum / **39 maximum**
- **Riders cannot ride multiple classes during an event. Each class will have its own Competition License.**
  - o AFT SuperTwins License
  - o AFT Prod Twins License
  - o AFT Singles License
- **Points / advancement structure** applicable to amateur **Road to AFT** events to be defined.

### **Section 2; Race Rules and Procedures**

- **Race length adjustment;** AFT SuperTwins TT & HM Main; **10 minutes +2 laps** (was 12 minutes +2)
- **Qualifying Procedures:**
  - o AFT SuperTwins Superpole will be featured at a select number of events. Details TBA.
  - o **AFT SuperTwins Superpole will run after Semis and feature the top 10 riders.**
  - o **In all classes a rider's best qualifying lap time must be within 107% of the fastest qualifying rider's best lap time to qualify for advancing to a Heat or Semi. This requirement applies regardless if there are not enough riders to fill a Heat or Semi.**
  - o Provisional Starts: In the case where Heats or Semis **cannot** be run and the Main must be gridded based on practice or qualifying times, an unused provisional start may be requested.
- **Victory Lap:** If a rider takes a victory lap only one celebratory passenger is permitted, and that passenger cannot be a minor (less than 18 years of age) **and must wear a buckled helmet.** The rider must ride responsibly and at moderate speed.

### **Section 3; General Equipment Standards**

- **Sound Requirements:** 2021 sound testing procedure **will remain as 2020 rule - unchanged.** Further evaluation of future sound levels and testing procedures are ongoing.



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**Tires:** Dunlop DT4 racing tires will remain the Spec Tire. Tire compound updates and possible options are undergoing testing with details TBA.

- **AFT SuperTwins must run all tires tubeless except for TT Events.** AFT Production Twins and AFT Singles are strongly advised to run tubeless as well. For 2022, use of an inner tube will only be permitted at TT events for all classes. At all other track configurations, nothing will be permitted inside the tire.
- **Wheels;**
  - A wheel assembly consists of a tire, a single standard inner tube, approved rim tape or tube protector (located between rim and tube), rim, spokes, hub, wheel spacers, rotor, sprocket (and associated fasteners), and whatever minimum weight is required to balance the wheel assembly. The minimum amount of external balancing wheel weights must be located in a single radial position for the sole purpose of legitimate static wheel balancing. AMA Pro Racing will make the final determination if any component or affixed balancing weights meet these criteria.
  - ~~No ballast can be added to the wheel assembly.~~
  - **Wheel designs that offer securely mounted weight options may be submitted to AMA Pro Racing for evaluation and pre-approval. Unapproved ballasted wheels used at any AFT event may be subject to penalty.**
- **Number Fonts and Sizes;** For AFT SuperTwins, Stylized numbers are allowed; however, all number plate artwork must be submitted to AMA Pro Racing for approval prior to use in competition. **It is strongly recommended the body, stroke or significant outline of the number be black to better facilitate rider identification.**
- **Use of mouth / teeth guards is mandatory for all AFT riders**
- A self-inflating rider safety airbag (airbag suit) **is mandatory for competition in all AFT classes**

### **Section 4; AFT SuperTwins Technical Standards**

- **Engines;**
  - **Production (Street Bike) Engine machines** may alter the OEM cylinder firing order / spacing.
- **Engine Control Systems / Electronics / Traction Control**
  - **Production (Street Bike) Engine machines;** Wheel speed sensors, countershaft speed sensors, transmission speed sensors or any other type of speed sensor that transmits information to the ECU **are permitted.**
  - **Race-only Engine machines;** Any hardware or software designed to measure, calculate or utilize wheel speed differential, determine front wheel speed or facilitate any electronic control of the brake systems are **prohibited.**



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### **- Intake Manifolds, Carburetors, Fuel Injection and Restrictors**

Throttle Body Specifications / Maximum inner diameter  
649cc – 900cc Production (Street Bike) Engines: 40mm\*  
Race-only Engines: 38mm

#### **Production (Street Bike) Engine machines:**

- Aftermarket throttle bodies are permitted with pre-approval and must adhere to the following:
- Maximum inner diameter is **\*40mm** (max of 40mm regardless of source)
- Throttle bodies that utilize electronic throttle control or fly-by-wire, secondary throttle plates or other such induction controlling devices **are permitted**.

### **Section 5: AFT Production Twin Technical Standards**

- No substantive technical rule updates

### **Section 6: AFT Singles Technical Standards**

- ~~○ Valve diameter must remain as homologated.~~
- **4-stroke cylinder head intake and exhaust valve angles must remain the same as on the homologated model.**