



## **Competitor Bulletin #2017-05 Updated**

**To:** All American Flat Track Competitors  
**Date:** April 12, 2017  
**Effective Date:** Immediately  
**Subject:** Machine Sound Requirements, updated with testing information and FAQ

Per the 2017 American Flat Track Rulebook, AFT General Equipment Standards, Rule 3.6 Sound Requirements, a. All motorcycles must remain below a sound limit of 105 db on an "A" scale at 0.5 meters (20 inches). Test procedures have been prescribed by AMA Pro Racing in accordance with SAEJ1287, and detailed procedures can be found in the Appendices of the 2017 Rulebook. AMA Pro Racing will enforce this requirement without exceptions.

American Flat Track / AMA Pro Racing will maintain a database of tests and results. This process will be introduced at the Arizona Mile May 13, 2017 and take place at every subsequent round. Once a machine is within the database it may be inspected again at any time throughout the balance of the season.

Each motorcycle will be tested at an engine speed +/- 200 RPM calculated from the following equation:

$$\text{Test Speed} = \frac{250,000}{\text{Stroke in millimeters}} \quad \text{or} \quad \frac{9,800}{\text{Stroke in inches}}$$

It is the responsibility of a team to accurately disclose the engine's stroke to AMA Pro Racing. Examples being:

- Harley Davidson XR750 (stroke of 2.98"),  $9,800 / 2.98 = 3,289$  RPM
- 2017 Harley Davidson XG750 (stroke of 2.6"),  $9,800 / 2.98 = 3,769$  RPM
- 2017 Kawasaki Ninja 650 (OE stroke of 60mm),  $250,000 / 60\text{mm} = 4167$  RPM
- 2017 Indian FTR750 (stroke of 61.5mm),  $250,000 / 61.5\text{mm} = 4,065$  RPM
- 2017 Honda CRF450 (stroke of 62.1mm),  $250,000 / 62.1\text{mm} = 4,026$  RPM

Suggestion: If possible, prior to attending an event, experiment with setting any mechanical idle to your calculated RPM to expedite the testing process. Being prepared can reduce potential overheating or additional delays.

### FAQ:

Q: Will I be allowed to compete if I do not pass a sound test before tech closes? A: No.

Q: Can I try a different exhaust if mine does not pass? A: Yes, however, you must go to the end of the testing line.

Q: Once I pass, will I have to test my bike(s) at every race? A: No, but every machine is subject to spot check at any time.

Q: Will AFT have test equipment available for me to test before race-day tech inspection? A: Yes, AFT will have test equipment set up at Arizona within the facility prior to and during early load-in; 2:00 p.m. – 6:00 p.m. May 12<sup>th</sup>. Please contact David McGrath at [dmcgrath@amaproracing.com](mailto:dmcgrath@amaproracing.com) to make arrangements for pre-event testing.

Questions, concerns or requests for clarification on rules should be sent to [rules@americanflattrack.com](mailto:rules@americanflattrack.com)