



FÉDÉRATION INTERNATIONALE
DE MOTOCYCLISME



2023 MotoAmerica – Junior Cup ECU software- Approval Requirements

1. For the 2023 season any software modifications to the homologated ECU in Junior Cup need prior approval by MotoAmerica.
2. Participants in the 2023 Season must only use the approved and listed software or the unmodified OEM version.
3. The approved software from the manufacturers must be available to all participants at least one month before the first round of the season and remain available all season. The products must be available within 6 weeks of a confirmed order.
4. For the software to be approved the combined retail price of the full system including software, tuning tool, download / connection cables and any activations must be less than €500 (not including taxes or shift sensor if used)
5. Tuning tools and software updates must be provided by the manufacturers to all customers/ teams/ participants using the manufacturer's products. These tools/updates can be used by all participants during the season. These tools/updates shall be available for immediate delivery to all teams/customers/participants.
6. Electronics manufacturers must supply MotoAmerica/FIM with documentation that details all of the components that will be offered. Details must include:
 - a. Price of each part/software package.
 - b. Sample of product and any communication tools or software.
 - c. A diagnostic tool that will confirm that the correct software is installed.
 - d. Availability of parts (with lead time).
7. The following software strategies are allowed:
 - a. Fuel Map
 - b. **Closed loop fuel tuning (auto-tuning)**
 - c. Engine braking control (limited to 10% change)
 - d. Fuel cut disable
 - e. Maximum speed disable
 - f. RPM limit. (The required HM quick shifter will control max RPM)
 - g. Fault code disable
8. The following strategies are NOT allowed:
 - a. Strategies may not be added to the ECU
 - b. **Ignition maps may not be modified (maps are supplied by MotoAmerica/FIM)**
 - c. Traction control (including anti-spin / rate of change of rpm)
 - d. Launch control
 - e. Anti-wheelie
 - f. Quick shift function



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- f. Pit Limiter
 - g. Closed loop engine brake control
 - h. Corner by corner / distance based adjustments
 - i. Rider adjusted trims
9. The electronics manufacturers can offer service contracts when the team is using the approved and listed electronics products. The electronics manufacturers cannot demand a service contract for a customer or participant to obtain any product.
10. Submissions must be postmarked no later than January 31 to be included in the February 15 approved list. Later submissions or part revisions may be submitted throughout the regular season however a 30-day processing time will be required and said parts may not be used while pending approval unless otherwise approved by technical direction.

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