



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal
Proposal: Page: 26, Section: 1.2, Chapter: 1.

CURRENT

18. Electric Motorcycle

Note: Applies to all Motocross Racing disciplines

- a. Unless superseded, electric motorcycles shall adhere to ISO13063 Voltage Class A requirements as self-certified by the OEM.

PROPOSED

18. Electric Motorcycle

Note: Applies to all Motocross Racing disciplines

- a. Unless superseded, electric motorcycles shall adhere to ISO13063 Voltage Class A or Class B requirements as self-certified by the OEM.

REASON

Add Class B to account for full sized motorcycles. Class A is only 60 volts and below.

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: _____ Against: _____ Abstain: _____
DECISION Yes: ☒ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal
Proposal: Page: 28, Section: 1.2, Chapter: 1.

CURRENT

Throttle control shall use a redundant, non-contact sensing technology. Redundant signals shall be opposing direction and both required for throttle/motor control to be active.

PROPOSED

Throttle control shall use a redundant, non-contact sensing technology.

REASON

Remove:

Redundant signals shall be opposing direction and both required for throttle/motor control to be active.

not necessary with current throttle technology

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: _____ Against: _____ Abstain: _____
DECISION Yes: ☒ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal
Proposal: Page: 27, Section: 1.2, Chapter: 1.

CURRENT

The vehicle shall have a system status LED. When illuminated, the LED indicates that propulsion is active and using the throttle will spin the motor. The status LED is to be located on the front of the bike and visible to rider and officials facing the bike. LED shall be visible to a standing person when the electric motorcycle is laid down on its side.

PROPOSED

The vehicle shall have a system status LED. When illuminated, the LED indicates that propulsion is active and using the throttle will spin the motor. The status LED is to be located on the front of the bike and visible to rider and officials. LED shall be visible to a standing person when the electric motorcycle is laid down on its side.

REASON

Remove:

facing the bike

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: ✓ Against: _____ Abstain: _____
DECISION Yes: ✓ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal
Proposal: Page: 27, Section: 1.2, Chapter: 1.

CURRENT

3. Cells comprising main battery pack are of Lithium-Ion chemistry of LiNiMnCo (NMC) type.
4. An auxiliary battery pack may be used in support of an independent 12V power for motorcycle electronics. Auxiliary battery may not aid in propulsion of the motorcycle. It may be lead acid, AGM, or Lithium-Ion chemistries.
6. The maximum voltage output of the main battery pack is 60V DC.

PROPOSED

Strike 3

4. An auxiliary battery pack may be used in support of an independent DC power for motorcycle electronics. Auxiliary battery may not aid in propulsion of the motorcycle.
6. The maximum voltage output of the main battery pack is 60V DC for Class A electric motorcycles.

REASON

Remove
It may be
lead acid, AGM, or Lithium-Ion chemistries.

Replace 12v with DC

The 60 volt requirement is not applicable to class B

remove:

3. Cells comprising main battery pack are of Lithium-Ion chemistry of LiNiMnCo (NMC) type.

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: _____ Against: _____ Abstain: _____
DECISION Yes: ☒ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal
Proposal: Page: 29, Section: 1.2, Chapter: 1.

CURRENT

i. Motors

1. A single electric motor is allowed for propulsion.
Motor must power the rear wheel only.

MOTOCROSS 1.2

28

2. Motor may be housed to include electronics, such as motor controller, and wiring to create a power unit.
3. Motor or power unit must contain a label with a serial number and ~~OEM branding.~~
4. Motor or power unit must be mounted near center of chassis (mid-motor). No hub motors allowed.
5. Motor is only allowed to rotate to provide forward motion. Reversing of the motor is not allowed mechanically or electrically.

PROPOSED

i. Motors

1. Motor must power the rear wheel only.

MOTOCROSS 1.2

28

2. Motor may be housed to include electronics, such as motor controller, and wiring to create a power unit.
3. Motor or power unit must contain a label with a serial number and ~~OEM branding.~~

REASON



strike

A single electric motor is allowed for propulsion.

4. Motor or power unit must be mounted near center of chassis (mid-motor). No hub motors allowed.
5. Motor is only allowed to rotate to provide forward motion. Reversing of the motor is not allowed mechanically or electrically.

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For:  _____ Against: _____ Abstain: _____
DECISION Yes:  _____ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal

Proposal: Page: 19, Section: 1.2, Chapter: 1.

CURRENT

1. To be eligible for any LIMITED CLASS, the following ARE NOT PERMITTED to be changed or modified:

Air Box
Air Box Vent Tube
Air Filter Screen
Air Intake Boot
Axle
Battery Pack (Electric motorcycles)
Brake Rotor Size (thickness/diameter)
Brake Master Cylinder
Brake Reservoir Cap
Carburetor (including any parts with exception to jets)
Clutch (any part including clutch cover) 2
Crankshaft Stroke Length
Cylinder Bore Size 1
EFI Throttle Body 5
Electronics 5
Exhaust Control Valve (ECV)
Exhaust System (any part)
Frame 3
Front Forks 4
Front Fork Caps
Hydraulic Clutch
Intake Spacer
Internal Engine Components (blue printing is not allowed) 2
Internal Gear Reduction (Electric motorcycles)
Lower Triple Clamp
Motor (Electric motorcycles)
Motor Controller (Electric motorcycles) 7
Oil Injection System (only oil may be in system) 6
Rear Brake Clevis
Rear Shock 4
Reed Valve Assembly (any part)
Rim Size
Silencer (tip may be modified to accept spark arrestor)
Subframe 3
Swingarm 3
Transmission (any internal part)
Yamaha PW50 Ring and Pinion Gear
Yamaha PW50 Start/Run/Off Switch
Water Pump Assembly (any part except the cover)
Wheel Hubs

PROPOSED

1. To be eligible for any LIMITED CLASS, the following ARE

NOT PERMITTED to be changed or modified:

Air Box
Air Box Vent Tube
Air Filter Screen
Air Intake Boot
Axle
Battery Pack (Electric motorcycles)
Brake Rotor Size (thickness/diameter)
Brake Master Cylinder
Brake Reservoir Cap
Carburetor (including any parts with exception to jets)
Clutch (any part including clutch cover) 2
Crankshaft Stroke Length
Cylinder Bore Size 1
EFI Throttle Body 5
Electronics 5
Exhaust Control Valve (ECV)
Exhaust System (any part)
Frame 3
Front Forks 4
Front Fork Caps
Hydraulic Clutch
Intake Spacer
Internal Engine Components (blue printing is not allowed) 2
Internal Gear Reduction (Electric motorcycles)
Lower Triple Clamp
Motor (Electric motorcycles)
Motor Controller (Electric motorcycles) 7
Oil Injection System (only oil may be in system) 6
Rear Brake Clevis
Rear Shock 4
Reed Valve Assembly (any part)
Rim Size
Silencer (tip may be modified to accept spark arrestor)
Subframe 3
Swingarm 3
Transmission (any internal part)
Yamaha PW50 Ring and Pinion Gear
Yamaha PW50 Start/Run/Off Switch
Water Pump Assembly (any part except the cover)
Wheel Hubs
Wiring Harness (Electric Motorcycle)

REASON

Add wiring harness to electric motorcycle rules.

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: ✓ Against: _____ Abstain: _____
DECISION Yes: ✓ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
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AMA Technical Commission Proposal
Proposal: Page: 23, Section: 1.2, Chapter: 1.

CURRENT

3. Transmission

- a. All motorcycles must be fitted with a transmission as catalogued and sold by the manufacturer of the motorcycle in question.
- b. Specially fabricated clutch levers or pedals may be used.
- c. Starting systems may be removed, including kick lever, pedal, starter crank gear and starter shaft. Kick pedals must be of the folding type.
- d. Only single speed (fixed) gearing is permitted on electric motorcycles.

PROPOSED

3. Transmission

- a. All motorcycles must be fitted with a transmission as catalogued and sold by the manufacturer of the motorcycle in question.
- b. Specially fabricated clutch levers or pedals may be used.
- c. Starting systems may be removed, including kick lever, pedal, starter crank gear and starter shaft. Kick pedals must be of the folding type.

REASON

Delete

- d. Only single speed (fixed) gearing is permitted on electric motorcycles.
- e. There are no limitations

Want to allow for innovation in these bikes

SUBMISSION: Richard White

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: _____ Against: _____ Abstain: _____
DECISION Yes: ✓ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
Proposal for Rulebook Revision

AMA Technical Commission Proposal

Proposal: Page: 21, Section: 1.2 Motocross Equipment, Chapter: C.

CURRENT

On the limited class clarification chart: N/A

PROPOSED

On the limited class clarification chart: Add a new line after the line stating "Clutch - Hydraulic Clutch" stating Clutch - Clutch Actuator [Limited = NO] [Modified = YES]

REASON

Devices like the Slip Shot are not being allowed in the Limited Class and this will make it clear to all riders and referees.

SUBMISSION: Tad DeWalt

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: _____ Against: _____ Abstain: _____
DECISION Yes: ☒ No: _____ Amended: _____ Tabled: _____



American Motorcyclist Association
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AMA Technical Commission Proposal

Proposal: Page: 21, Section: 1.2 Motocross Equipment, Chapter: C.

CURRENT

On the limited class clarification chart: Exhaust Muffler tips to accommodate spark arrestors

PROPOSED

On the limited class clarification chart: Exhaust Muffler tips to accommodate spark arrestors. Spark arrestor may be removed.

REASON

Some models come equip with spark arrestor. It doesn't appear that they are all delivered with them installed. For MX limited classes this have caused questions. For 2024 we allowed them to be removed.

SUBMISSION: Tad DeWalt

DISCUSSION

MOTIONS Made: _____ Second: _____
VOTE For: _____ Against: _____ Abstain: _____
DECISION Yes: ☒ No: _____ Amended: _____ Tabled: _____