



Federazione
Motociclistica
Italiana



Bulletin No. 1

Pag. 01/02

APWEC-23

Rel.003

FIM Europe reserves the right to update the contents of this document at any time (also during the season), updates from one release to the next will be made in red. The information contained in this document gets into force on 28/04/2023.

Mandatory device for checking rev limit (maximum RPM allowed)

Model	Mandatory device for checking rev limit (maximum RPM allowed)*
Kawasaki Ninja 400	RPM Logger AIM*
KTM RC 390 e RC 390 R (all models)	or
Yamaha YZF-R3 e R3A (all models)	ECU KIT SS3 FIM (with FW, Bike Model and Specific Bike Option for the model in use)

*The RPM logger devices are distributed by <https://www.aim-sportline.com/>

REFERENT Fabio Geraci fabio.geraci@aim-sportline.com

If it is not possible to read the data from the approved "RPM Logger" device, compliance with the maximum allowed RPM can be confirmed if the motorcycle fits an homologated KIT SS3 FIM (see below). This procedure can be implemented at the indisputable decision of the Chief Technical Steward.

Model	Kit SS3 FIM		ECU Configuration
	Common Hardware	Main Harness	
Kawasaki Ninja 400	ECU: MecTronik MKE5 ECU_WSS3_A	WSS3-KAWEX400 WSS4-KAWEX400-DL WSS4-KAWEX400-20	Refer to RulesTable_CIV for the latest updates regarding homologated configuration: Firmware (FW), Bike Model (BM), Option (OP).
KTM RC 390	Crusotto: DAS-SOLOWSS3-D1	WSS3-KTMRC390R WSS4-KTMRC390R-DL	
KTM RC 390 R	Pulsantiera SX: ACC_SWCH_LH4_MKE	WSS4-KTMRC390R-20	http://www.mectronik.com/public/update/RulesTable_CIV.htm
KTM RC 390 R		WSS4-KTMRC390R-22	
Yamaha YZF-R3	Pulsantiera DX: ACC_SWCH_RH2_MKE	WSS3-YZFR3-E3-DL	
		WSS4-YZFR3-EU3 WSS3-YZFR3 WSS4-YZFR3-DL	
Kit SS3 FIM are distributed by FIM supplier Solo Engineering			https://soloengineering.com/

MAX RPM allowed and RPM noise control

Model	MAX RPM Allowed	RPM noise control
Kawasaki Ninja 400	10.350 RPM	6.500 RPM
KTM RC 390 e RC 390 R (all models)	11.150 RPM	5.500 RPM
Yamaha YZF-R3 (all models)	13.300 RPM	7.500 RPM

All motorcycles must comply with the maximum RPM allowed for the motorcycle model in use at all times of the event.

Minimum weight allowed

Model	Hard Minimum Weight **	Soft Maximum Weight ***	Combined Minimum Weight ****
Kawasaki Ninja 400	Kg. 137	Kg. 150	Kg. 210
KTM RC 390 e RC 390 R (all models)	Kg. 133	Kg. 146	Kg. 202
Yamaha YZF-R3 (all models)	Kg. 137	Kg. 150	Kg. 204

** At any time of the event, the weight of the whole motorcycle (as used on track) must not be lower than the "Hard minimum weight".

*** If the motorcycle (as used on track) has achieved or exceeded the "Soft Maximum Weight" then the "Combined minimum weight" does not need to be reached.

**** If the weight of the motorcycle is between the "Hard Minimum Weight" and the "Soft Maximum Weight", the combined weight (the weight of the rider in full racing equipment and bike as used on track) must not be lower than "Combined Minimum Weight".



Federazione
Motociclistica
Italiana



Bulletin No. 1

Pag. 02/02

APWEC-23

Rel.003

FIM Europe reserves the right to update the contents of this document at any time (also during the season), updates from one release to the next will be made in red. The information contained in this document will come into force on 28/04/2023.

APPROVED MODIFICATIONS

The following table indicates permitted or mandatory modifications for each motorcycle model.

COMPONENT	ALLOWED OR MANDATORY MODIFICATIONS	TECHNICAL DRAWINGS*
Kawasaki Ninja 400		
Air restrictor	An air restrictor <u>must</u> be fitted between the cylinder head and inlet manifold. The design for the air restrictor <u>must</u> be one of the two indicated in the technical drawings.	Ninja400_Restrictor Ninja400_Restrictor_2
KTM RC 390 (2017) e RC 390 R		
Air box	It is allowed to modify the air box as indicated in the technical drawing.	RC390_Airbox_Mod
Cylinder gaskets	Head and base gaskets are free	Not provided
Yamaha YZF R3 All models		
Air box	It is allowed to modify the air box as indicated in the technical drawing.	YZF_R3_Airbox_Mod
Air funnels	It is allowed to shorten the original air funnels and eventually to install the inserts included in the R3 FIM kit (code B7P-E3750-RC-00) *.	Not provided
Camshaft	It is allowed to use the intake camshaft (code B7P-E2170-RC-00), the exhaust camshaft (code B7P-E2180-RC-00) and the intake valve spring retainers (code B7P-E2126-RC-00) included in the R3 FIM kit (code B7P-RACE3-19-00) *.	Not provided
Piston	It is allowed to fit the pistons (code B7P-E1631-RC-00) included in the R3 FIM kit (code B7P-RACE3-19-00) *.	Not provided
Cylinder gaskets	Head and base gaskets are free	Not provided
Cylinder	It is allowed cylinder Nicasil coating.	Not provided
Gear position sensor assy	It is allowed to replace the original gear position sensor with the gear position sensor included in the R3 FIM Kit (code B7P-H2540-GYTR).	Not provided

**In addition to the components mentioned, the R3 FIM kit also includes the camshaft sprockets, the cylinder head gasket and the cylinder base gasket.

*Please use the link below to access the technical drawings:

<https://www.dropbox.com/sh/9torr93s69md9qj/AADDQBL1kq1pJinHn9078FvUa?dl=0>

ALLOWED TOLERANCES ON THE CYLINDER HEADS HEIGHT

Model	Height cylinder heads (standard)	Tolerance
Kawasaki Ninja 400	mm. 108.7	+/- mm. 0.10
KTM RC 390 e KTM RC 390 R (all models)	mm. 115.0	+/- mm. 0.10
Yamaha YZF-R3 (all models)	mm. 109.0	+/- mm. 0.10