

“Supersport 300 Eligible machines, componentry and balancing rules” (at 24/6/2023)

These rules are:

- 1) To be read in conjunction with Appendix I. Appendix I capacity and homologation requirements do not convey entry to the class:
 - a. The make, model year of the machine must be noted below for it to be eligible
 - b. The current balancing rules must be applied to the time of competition.
 - c. Unless specified in Appendix I, or below no other modifications are allowed.
- 2) Specific to each model specified and can be amended with Road Race Commissioner Approval at any time through the year to ensure continued parity of machinery within the class.

Eligible Machines and Performance balancing modifications allowed.

Husqvarna Vitpilen 2020-2022

The following items may be used or changed as outlined.

Model specific ‘plug and play’ engine controllers to modify fuelling and ignition timing.

Ignition, Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard.

Internal maps or limits are free to change by means of reflashing. Fuelling may also be modified by this method.

The following items must remain stock and unmodified.

Exhaust: Slip on or bolt on muffler only, original header pipe from the 2014-2021 model, or the 2022 onwards model must be used. All exhaust components after the header pipe including links, catalytic converter, pre-muffler and muffler may be replaced.

Kawasaki EX300 Ninja 2013-2018.

The following items may be used or changed as outlined.

Airfilter: The OEM airfilter element can be replaced with an aftermarket air filter element.

Exhaust: The complete OEM exhaust can be replaced with a full aftermarket exhaust.

Model specific ‘plug and play’ engine controllers to modify fuelling and ignition timing.

Ignition, Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard.

Internal maps or limits are free to change by means of reflashing. Fuelling may also be modified by this method.

Snorkel 14073A on the Kawasaki parts list can be removed.

Kawasaki EX400 Ninja 2018-2022.

The following items may be used or changed as outlined.

The following item(s) must be used.

MNZ Supplied airbox intake snorkel restrictors must be fitted to both intake snorkels and cannot be modified.

- I. Internal dia 13.5mm . These must be the MNZ supplied item – no other restrictors are to be used.

Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard. Internal maps or limits are to remain as per supplied by the manufacturer.

Exhaust: Rear muffler only can be changed. Original “Manifold comp-exhaust” as shown on the Kawasaki parts diagrams (including headers, catalytic converter and mid pipe) must be retained and used. The catalytic converter can be wrapped with heat resistant material to protect bodywork. Only exhaust components after the Manifold comp-exhaust may be replaced.

KTM RC390

2014-2021

The following items may be used or changed as outlined.

Model specific ‘plug and play’ engine controllers to modify fuelling and ignition timing.

Ignition, Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard. Internal maps or limits are free to change by means of reflashing. Fuelling may also be modified by this method.

The following items must remain stock and unmodified:

Exhaust: Slip on or bolt on muffler only, original header pipe must be used. All exhaust components after the header pipe including links, catalytic converter, pre-muffler and muffler may be replaced.

KTM RC390 2022-

The following items may be used or changed as outlined.

Model specific ‘plug and play’ engine controllers to modify fuelling and ignition timing.

Ignition, Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard.

Internal maps or limits are free to change by means of reflashing. Fuelling may also be modified by this method.

The following items must remain stock and unmodified.

Exhaust: Slip on or bolt on muffler only, original header pipe from the 2014-2021 model, or the 2022 onwards model must be used. All exhaust components after the header pipe including links, catalytic converter, pre-muffler and muffler may be replaced.

Yamaha

YZF-R3 2015-2022

The following items may be used or changed as outlined.

Exhaust: The complete OEM exhaust can be replaced with a full aftermarket exhaust.

Model specific 'plug and play' engine controllers to modify fuelling and ignition timing.

Ignition, Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard. Internal maps or limits are free to change by means of reflashing. Fuelling may also be modified by this method

Airbox and Airfilter:

- Intake duct (Aka snorkel) OEM Yamaha part number BR5-E4437-00 or 1WD-E4437-00 can be removed
- OEM Yamaha part "Funnel Air" 2MS-E4469-00 (the long funnel) can be replaced with OEM Yamaha part " Funnel 2 " 2MS-E446C-00 (ie two OEM short intake funnels can be used)
- Airfilter: The OEM airfilter element can be replaced with an aftermarket air filter element.
- Airbox airfilter covers (aka Cap, Cleaner Case 1 & 2 OEM Yamaha parts 1WD -E4422-00 & 2MS—E4412-00). The adjacent flat areas of these covers to the left and right of the airfilter only may be relieved to allow airflow as per photos. The underlying strengthening ribs and airfilter hold down tab must be retained and actively hold the filter down. No other material may be removed from these covers adjacent to the intake funnels or to the main airbox body.

MT03 2016-2021

The following items may be used or changed as outlined.

Exhaust: The complete OEM exhaust can be replaced with a full aftermarket exhaust.

Model specific 'plug and play' engine controllers to modify fuelling and ignition timing.

Ignition, Engine Control Module/Unit (ICM, ECU, ECM) and wiring loom must remain standard. Internal maps or limits are free to change by means of reflashing. Fuelling may also be modified by this method

Airbox and Airfilter:

- Intake duct (Aka snorkel) OEM Yamaha part number BR5-E4437-00 or 1WD-E4437-00 can be removed
- OEM Yamaha part "Funnel Air" 2MS-E4469-00 (the long funnel) can be replaced with OEM Yamaha part " Funnel 2 " 2MS-E446C-00 (ie two OEM short intake funnels can be used)
- Airfilter: The OEM airfilter element can be replaced with an aftermarket air filter element.
- Airbox airfilter covers (aka Cap, Cleaner Case 1 & 2 OEM Yamaha parts 1WD -E4422-00 & 2MS—E4412-00). The adjacent flat areas of these covers to the left and right of the airfilter only may be relieved to allow airflow as per photos. The underlying strengthening ribs and airfilter hold down tab must be retained and actively hold the filter down. No other material may be removed from these covers adjacent to the intake funnels or to the main airbox body.

Left side air box Cover (Yamaha MT03 and YZF-R3 2015 onwards)



Right side airbox cover (Yamaha MT03 and YZF-R3 2015 onwards)



MNZ Supersport 300 Suspension List:

(note: these upgrades are optional, standard (OEM) front and rear suspension is permitted)

FRONT FORK: Inner and outer fork legs must remain as per Original Equipment Manufacture (OEM).

Top caps and internals may be modified but cartridges must be of the "open" type, pressurised cartridges (gas or spring) are not allowed.

REAR SHOCK: May be replaced with aftermarket alternatives but linkages ("dogbones") must be OEM.

The following suppliers are supporting this class with discounted rates, please recognise their support,

help them to help you! Your current MNZ race licence may be requested to be eligible for the discount.

Bitubo Race Suspension:

XXF11 Rear Shock absorber with ring preload

XXF31 Rear Shock absorber with hydraulic preload

Contact: Aden Cartwright, aden@restorace.co.nz 09 833 8333

Kiwi Suspension Solutions:

Andreani Fork Cartridges Kits

Nitron 22mm Open type fork cartridges

Ohlins 22mm Open type fork cartridges

Nitron rear shock in "R2" type

Nitron rear shock in "R3" type

Ohlins Hose reservoir type rear shock

Ohlins rear shock in "36PRCL" type

Matris "quad valve" Cartridge kit (F15K & F20K)

YSS MG366 rear shock

YSS MG456 rear shock

YSS Fork cartridge kit

YSS Fork upgrade kit

Contact: Robert Taylor, sales@kss.net.nz 06 751 2100

Traxxion Dynamics

AR20

AK25 Fork Cartridges

Contact: Robert Taylor at KSS

K-Tech Australasia Ltd:

K-Tech IDS Fork Cartridges

K-Tech Razor R rear shock

Contact: Kerry Dukie, info@k-tech.co.nz 07 213 2252 or 021 715 547

WP Racing Systems:

Fork springs/cartridges for KTM 390

Rear shock for KTM 390

Contact: Ray Clee, rcmp@xtra.co.nz 09 838 2036

Hyperpro Suspension Technology:

YA03-1AB rear shock with hose for YZF-R3

Contact: Available through all motorcycle shops ex. Northern Accessories

Fast Bike Gear:

Scalpel Valve Front Fork Kits for YZF-R3

Contact: Liam Venter, liam@fastbikegear.co.nz 0275 985 266 or 09 834 6655