

KTM RC390 R & SSP300 RACE KIT



PRODUCT INFORMATION RC390 R & CUSTOMER RACING SUPERSPORT 300 RACE KIT

Truely **READY TO RACE**. Accepting the intense competition within the international SUPERSPORT 300 racing scene, KTM's Customer Racing department and Product management created the most promising package for the 2018 season.

The new **RC390 R** was the logic consequence of intense development process within the Italian championship. With all DNA of the **RC390** the R-model features additional race approved equipment, such as completely new developed WP-Suspension components. The **RC390 R** is limited to 500 units and can be ordered via any official KTM dealer in Europe and North America.

Made specifically for the new R-model, the additional **SSP 300** race kit helps motorsport teams to transfer the homologated version into a dedicated SSP 300 race motorcycle.

The kit alligns with the international SSP 300 FIM regulations for 2018 and offers everything which is needed for competition.

With a superior base model combined with the most comprehensive race kit and a professional service back up through KTM Customer Racing - this is the formula for a successful project in a SUPERSPORT 300 championship.

KTM RC390 R



KTM RC390 R SSP 300 KIT



KTM RC390 R SSP 300 RACE BIKE FIM SPECIFICATION



KTM RC390 R COMPONENTS

HANDELBAR KIT

FOLDABLE ADJUSTABLE
BRAKE & CLUTCH LEVERS

FULLY ADJUSTABLE WP FORKS

SHORT INTAKE TRUMPET

FULLY ADJUSTABLE
WP REAR SHOCK



KTM RC390 R COMPONENTS



SHORT INTAKE TRUMPET To increase the overall efficiency of the RC390 R in race conditions and to create an engine characteristic with a slightly wider power band.



FORK The fully adjustable front suspension with a diameter of 43 mm arrived to the RC390 R straight from the Customer Racing SSP 300 development program in 2017. READY TO RACE at it's best.

SHOCK ABSORBER Completely new and developed specifically for the RC390 R, this fully adjustable race monoshock from WP the shock guarantees race winning rear suspension performance.



BRAKE & CLUTCH LEVER CNC machined levers with adjustable span provide increased feedback on brake and clutch operations and designed to flick-up in the event of a crash.



TOP YOKE & HANDLEBAR KIT Machined construction for precision, strength and weight saving, this new top yoke allows a more extreme racing handlebar position.



RACE KIT „SUPERSPORT300“



KTM RC390 R SSP COMPONENTS

EXHAUST KIT SSP300 EVO2 For increased performance in competition, the complete state-of-the-Art exhaust system was developed in close co-operation with long-time partner, Akrapovič. Titanium-made for maximum weight reduction, while perfect finishing guarantees long-life quality.



WHEEL WITH BRAKE DISC Brake disc with 320 mm diameter and increased thickness for higher durability and advanced braking performance. As needed for professional racing, an extra set of wheels is part of the Supersport Kit.

COCKPIT Straight from the experiences of KTM Factory Racing projects arrives a dedicated instrument panel which carries the ultralight RC390 digital information unit plus the engine control unit (ECU). Race relevant information is delivered on screen, while the service and diagnostic function remain.



KTM RC390 R SSP COMPONENTS



FRONT SUSPENSION KIT Fully adjustable front fork kit for racing purpose with open-cartridge technology. Specially developed for the RC concept and a key factor in the Supersport 300 kit for increasing the track performance. Maintenance friendly for easy spring adaptation for a precise and tailored set-up.



SHOCK KIT Mandatory for racing and allowing for a precise set-up to suit different riders, tracks and conditions; optional springs and WP factory shim settings come as part of the race kit.



KTM RC390 R SSP COMPONENTS

WIRING HARNESS An important element, the race kit comes with an efficient wiring harness. For competition use all vital functions are served, while not needed installations were separated from the harness to save weight and complexity.



RADIATOR To match the tough requirements even in top-class competition, a complete radiator kit for optimized water circulation is included. All connecting and mounting elements are packed to the Febur aluminum cooler.



LOW FRICTION Detail makes the difference. Therefore, Customer Racing designed a supportive low-friction bearing set for the wheels to reduce the rolling resistance of the wheel significantly. The kit also includes enough parts for the spare wheels.



KTM RC390 R SSP COMPONENTS



SPROCKETS & CHAIN Mandatory precise set-up work in racing: a complete selection secondary-transmission options comprises of a 19-tooth front sprocket and lightweight quality rear sprockets, from 49-59 teeth. For friction reduction, a DID racing chain is included.



KTM RC390 R SSP COMPONENTS

AIR FILTER & GASKET KIT To be prepared for all situations in a paddock, for best service and set-up the Customer racing SSP300 kit offers a complete set of engine gaskets and airfilter parts.



FUEL CAP Developed from KTM Customer Racing Division, the accurate manufactured fuel cap was designed for perfect sealing of the fuel tank with easy handling when refueling the bike.



KTM RC390 R SSP COMPONENTS

FIM/DWO mandatory HM quickshifter system Light, efficient, reliable. State-of-the-art, programmable Quickshifter system which was adapted to the RC390 R Supersport specification and can be easily connected to the race wiring harness.



SHIFTING KIT For significant improved lap time performance, Customer Racing developed and added a specific shifting kit to the SSP300 package. A state-of-the-Art quickshifter comes with a precise mounting kit.



BODYWORK Completely new developed 10-piece race bodywork. Made from light and stiff polyfibre material, the kit replaces the entire stock fairing parts. Front fender, tank cover, side fairing, bellypan, seat, front mask, windscreen and an innovative monocoque seat unit are part of the Supersport race kit.



KTM RC390 R SSP COMPONENTS

KTM CUSTOMER RACING KIT PARTS

ARTICLE NAME

Front fender
Front fender quick fastener system
Steering Stop Bracket SSp 300
Front brake hose
Brake lever guard RHS
Foldable hand brake lever / spare
Foldable clutch lever / spare
Handlebar grip LHS
Footrest system reverse shift
Spacer swingarm axle
Chain protector assy
K&N Race Airfilter
Quick filler fuel cap MY17
Tankfoam set (30 pcs.)
Overflow pot assy
Seat plate
Seat foam adhesive
Seat quick fastener system system
Front fairing
Side panel LHS
Side panel RHS
Bellypan 4L
Top radiator duct
Tank - Tail Monocoque
Battery cover
Bottom radiator duct
Bodywork Kit including complete quick fastener system

ARTICLE NAME

Front wheel bearing kit (for 2 wheels)
Rear wheel bearing kit (for 2 wheels)
Chain tensioner milled
Rear axle lock plate
Sprocket carrier (for spare wheel)
Sprocket bolt M8x48 (for spare wheel)
Collar nut M8x1,25 (for spare wheel)
Inner spacer (for spare wheel)
Outer spacer (for spare wheel)
Ball bearing 6205-2Z-C3 (for spare wheel)
DID 415 Chain 144 links
STM Slipper clutch
Shifting Kit + FIM DWO HM Quickshifter System
415 Front sprocket 19T
415 Rear sprocket 49T
415 Rear sprocket 50T
415 Rear sprocket 51T
415 Rear sprocket 52T
415 Rear sprocket 53T
415 Rear sprocket 54T
415 Rear sprocket 55T
415 Rear sprocket 56T
415 Rear sprocket 57T
GB Engine cover protector LHS SSP300
GB Clutch cover protector RHS SSP300

ARTICLE NAME

Spacer for front brake caliper
Special screw for front brake caliper M8 x 1 x 70
Brembo front brake disc 5mm (for 2 wheels)
Brembo front brakepad set Z04 Sinter
Rear brake disc (for spare wheel)
Special screw M8x25SS (for spare wheel)
Dash Mounting Kit
Race wiring harness
Race spark plug and cap
Rain taillight
Rain taillight on / off switch
KTM workshop mat
PP front stand cpl.
PP Rear stand cpl.
LiPo-Akku 12V / 24Wh lightweight



KTM RC390 R SSP COMPONENTS

KTM CUSTOMER RACING KIT PARTS

ARTICLE NAME

EXHAUST KIT SSP300 EVO2 (107 DB)

Akrapovic / header pipe (TI) / RC390 WSS

Akrapovic / link pipe with resonator (TI) / RC390 WSS

Akrapovic / muffler (TI) / RC390 WSS

Akrapovic / heat shield (CA)

Akrapovic / cyl head inner sleeve / RC390 WSS

Akrapovic / cyl head flange / RC390 WSS

Akrapovic fitting kit

Akrapovic spring long 10x60

ARTICLE NAME

WP FRONT FORK KIT SSP300

Top screw cap assy

Piston tap assy including shim setting

Shim setting

Rebound needle

Compression adjuster

Fork spring 9.0

Fork spring 9.5

Spring spacer

WP Sticker

ARTICLE NAME

WP SHOCK ABSORBER KIT SSP300

Spring 105 N/mm

Spring 100 N/mm

Shim setting



STM SLIPPER CLUTCH Aligned with the dedicated shifting kit, the functionality of the high quality slipper clutch guarantees superior feedback in downshifting and corner entry situations. The component was developed by well-known specialist STM.



KTM RC390 SSP CONTACT



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