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## **Beta's New 400/450/520 RR FACTORY Line**

Three all-new race-replica Beta motorcycles are ready for the 2011 enduro season!

2011 promises to be an exciting year, full of changes for Beta Motorcycles, and we are only at the beginning! After the surprising introduction of the all-new Beta 350 RR – presented at EICMA and available on the European market as early as February – it is now time for the Italian manufacturer to unveil another bombshell to excite off-road extremists – the new FACTORY range of RR motorcycles.

Available in three displacements – 400, 450 and 520 – the RR FACTORY version is bred for competition and is a true “factory” bike. The new limited edition motorcycle – which will be available in Spring 2011 – is made with many of the same components used on the World Enduro Championship race machines of factory Beta riders Oscar Ballelli and Fabio Mossini.

Under the skilful direction of the Team Manager and Beta rider Fabrizio Dini, the R&D Department has ransacked the entire Beta aftermarket catalog to create a purebred enduro racer that most off-riders can only dream of. The list of premium race components that grace the Beta RR FACTORY models is certainly boast-worthy, but even more impressive is the price point.

Get an overview of what the RR FACTORY has to offer:

### **ENGINE**

- The pride of the new RR Factory bike is the Arrow full-system Titanium exhaust. Along with a valuable weight savings of 1.8 pounds (800 grams), the new pipe and silencer system allows gives performance benefits throughout the full range of power, while also keeping a keen eye on responsiveness and tractability.
- A thinner cylinder base gasket on the RR Factory models (400 and 450cc only) bumps up the compression ratio. This small detail renders a tangible effect, increasing overall torque and creating a very crisp throttle response.
- The RR Factory motor is detailed with red anodized aluminium plugs and caps, not only giving it a factory look but also helping shed valuable extra weight!

### **CHASSIS**

- The RR Factory chassis proudly features the Marzocchi Shiver 50mm closed-cartridge fork. With separate chambers for air and oil, the front suspension absorbs tough terrain with much more stability, especially under extreme conditions. The fork also uses a new



adjustable steering stem clamp, offering two different steering offsets. Brand new CNC-milled billet aluminium triple clamps complement the strength and stability of the new fork tubes, completing the race-inspired front end.

- A dual-map ignition switch on the handlebar allows riders to switch CDI mapping on the fly. The first map ensures a softer engine response – great for slippery and/or technical conditions – while the more aggressive map allows for the best performance on dry roads.
- Aluminium-mounted plastic hand guards offer great protection from branches and rocks while also allowing for easy passage through tight conditions.
- Aluminium foot pegs are CNC-machined for a robust and lightweight quality, also with improved grip to keep those feet planted during serious bushwhacking!
- Gripper seat is stronger and matches the graphics of the factory bike. A pocket allows an ideal place to stow maps, or an enduro time card.
- Handlebar mounts feature state-of-the-art PHDS (Progressive Handlebar Damping System). Equipped with elastometers, the bar mounts provide optimum vibration absorption, ensuring improved comfort and precise control to the rider.
- Carbon-Kevlar engine plate is lighter than the stock version, and thanks to a new design, it protects any exposed areas from impact and also resists mud accumulation.
- Additional carbon-Kevlar accessories further protect the chassis. Developed to complement the RR styling, they are lightweight and prevent wear from the chassis.
- Both front and rear brakes feature Braking® wave rotors (260 mm on the front and 240mm at the rear) which offer optimum braking power as well as reliability and stability.
- Front axle features a quick-release pin for front wheel changes on the fly. Seconds count in the pits and the new red anodized insert allows front wheel replacement in under a minute.
- Red anodized aluminium nipples add a sophisticated aesthetic touch to the Excel wheels.
- Supersprox dual material rear sprocket combines strength with light weight. The red anodized aluminium core adds an extra touch of factory detailing.

## EQUIPMENT

- As the icing on the cake, the RR Factory comes equipped with the official factory Beta race-replica graphics – guaranteed to add three extra horsepower\*!

\* Not really. But you'll probably *feel* faster!