



## **RSV4 R-FW W-SBK**

Bike RSV4 RR RACE PACK without registration documents or VIN number, modified as follows:

**Electronic system** – Race lightweight version, simplified and without ABS system. Brake system equipped with simplified brake hoses.

Custom race use only wiring harness and ECU. APX logic unit developed by Aprilia Racing, same ECU and wiring harness used in World Superbike. Fully user programmable in the ignition and engine control parameters. Electronic assistance for up and down shifting (auto-blipper). The APX system includes hand terminal (to set the strategy and bike parameters), racing dashboard that allows the rider to see the main engine parameters, light lithium battery.

**Data recording** – Data acquisition system that allows to data acquisition from the original sensors fitted into the bike, like throttle demand, RPM, water temperature, front and rear wheel speed, roll and pitch angles. This motorcycle is equipped with GPS sensor and race buttons.

It is possible also to acquire the optional sensors allowed in the international FIM rules. With the bike will be delivered a licenses for one year of the software “ABM base” (to manage and analyze data) and for the software “ARES” (to manage and set the APX).

Main specs of the APX logic unit:

1. Allows the user to modify or create new maps for ignition and injection.
2. Easy setting of bike parameters and strategy tuning by hand terminal or software.
3. Sensors diagnostics.
4. Includes setting and strategy to increase the performances of the bike, together with the riders requirements and the characteristics of the circuit. E.g.:
  - Setting of RPM limiter for each gear.
  - Setting of Pit lane speed limiter.
  - ETC (electronic demand control)
  - VTP (setting of velocity stack position).
  - TCS (traction control).
  - ADAPTATIVE TCS (adaptive traction control on track changing conditions)
  - DISTANCE BASED (strategy parameters based on different sectors/curves)
  - ENGINE BRAKING (engine braking setting of each speed).
  - POWER REDUCTION (power reduction setting of each speed).
  - WHEELIE CTRL
  - LAUNCH CTRL
  - ANTIJERK CTRL.
  - QUICK GEARSHIFT
  - LAP/SPLIT TIMER (using optional beacon kits).

**Engine** – Handbuilt by the technicians of Aprilia Racing to SBK legal specifications. Running in and test bench validation. Maximum power: 220 HP @ 14,500 rpm

**Exhaust** – Akrapovic Racing Titanium

**Front suspension** - Ohlins Racing FGR300. Triple clamps with adjustable offset.



**Rear suspension** – WSBK spec aluminum under-arm swing arm with  $\pm 25$ mm adjustment range. Ohlins shock absorber TTX GP

**Front brake** - 328mm dual stainless steel disc "T" drive. Brembo Gp4 RR monoblock radial calipers with 4 opposing pistons. Sintered metal pads.

**Rear brake** - Single disc DP218

**Chassis and accessories** - SBK with steering axle and swingarm pivot adjustment

**Front wheel** - 3.5x17" aluminum ultra-light forged rim

**Rear wheel** - 6.0x17" aluminum ultra-light forged rim

**Fairings and seat holder** - Structural carbon fiber

**Fuel tank** - Aluminum light weight with high capacity (22.5l)

**Color scheme** - Color scheme can be personalized according to the client's request

**Price: \$104,900 USD**

### **IMPORTANT**

Regulation compliance: This motorbike complies with the SBK class FIM regulations, corresponding to the Aprilia RSV4 2015 homologation form.

Before using this model in national championship, you have to check the conformity with the local race rules.

**Warranty:** No components of these models are covered by warranty.

**Public roads usage ban:** These motorbikes and their components have been designed just for racing championships, therefore registration documents will not be provided. It is strictly forbidden to use this motorbike on public road. This information and technical data are subjected to change without notice.

**Tires:** It is mandatory to use non-DOT racing slicks with tire warmers to use the lowest levels of traction control.

### **SALE CONDITIONS**

Delivery: Five to seven months after order confirmation.

Payment: 20% non-refundable at the time of the order, the balance before the collection of the bike.

**Info and technical assistance:** [racing\\_support@aprilia.it](mailto:racing_support@aprilia.it)

**Web site:** <http://www.serviceaprilia.com/public/racing/>