





APRILIA RSV4: In just four years, four SBK world titles, 20 victories and 43 podium finishes.

A legend between high performance 1000cc bikes, that since its debut in 2009 has dominated the tracks of the World Superbike Championship to those of the specialized press comparative tests.









RACING GENES



New on MY13

New Ergonomics:

New fuel tank(17 | to 18.5 | = +.40US gallon)

Lower seat height (-5mm)



New front headlight finishing

ABS MAP	DESCRIPTION				
	OFF				
1	TRACK best hard-braking performances RLM disabled road homologated				
2	SPORT for sport-riding purpose speed > 140 km/h RLM disabled 80 km/h < speed < 140 km/h progressive RLM speed < 80km/h full RLM				
3	RAIN maximum safety in low grip conditions full RLM				

New Weight Distribution:

Lowered swingarm pin

> New engine position

➤ Under-saddle ABS CPU

Engine Upgrades

Updated APRC:

- **➤** Overslip control
- ➤ Slip % variable according to the speed
- > AWC 1 more racing oriented

New racing ABS, lightweight (2 kg), with possibility to be disabled. Developed by Aprilia in cooperation with Bosch

New Brembo M430 radial mono-block brake calipers



Why go on RSV4?

- To increase active safety on the road, without compromising track performances of all kind of riders
- To challenge and overcome the most qualified competitors in a field where RSV4 has the absolute starring role

2013: RSV4 aPRC ABS, improve the maximum



rsv4 factory aprc abs is the fastest, most powerful and safest Rsv4 ever made.



What is

It's a modern anti-lock system with electronic management, based on a new and advanced BOSCH 9MP ECU, the best technology currently available, cleverly developed and calibrated according to the specifications of Aprilia technicians.

True to its racing DNA, Aprilia has designed and developed the anti-lock brake system to ensure not only **maximum safety on the road**, but also the **best performance on track**.

It is the completion and the maximum evolution of an electronic control package (aPRC) that is universally recognized as the top of its class









What's new in the 2013 APRC ABS versions?

- Aprilia Traction Control evo
- Aprilia Wheelie Control evo
- riding-settable ATC (joystick)
- Multimap ABS

- CONTROL

- New weight distribution
- **Evolved V4 65° engine**
- Compactness
- **New braking system with ABS**

BALANCE

TRACK READY

- Aprilia Quick Shift
- Aprilia Launch Control
- RACE dashboard mode
- ATC calibration for different tire size
- Cutting edge equipment
- Endless adjustment options
- Track oriented design

INNOVATION

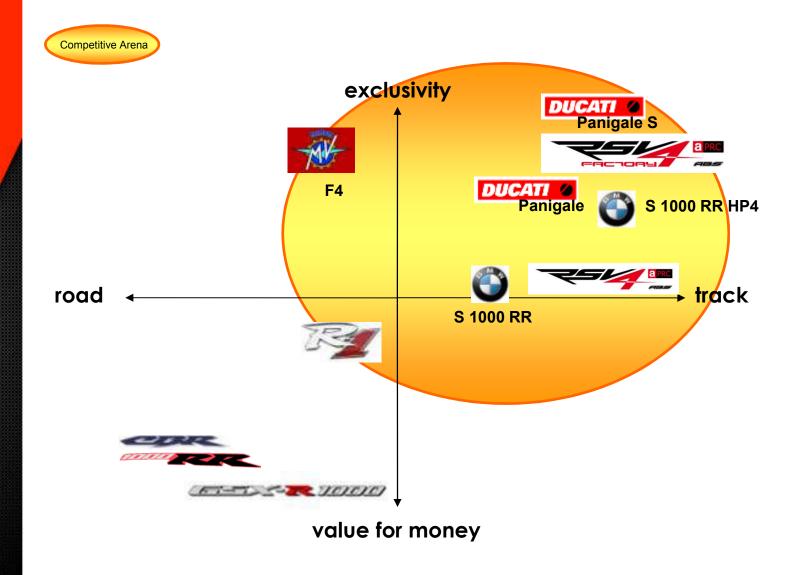
- Advanced aPRC
- All systems are patented and operate independently
- Advanced exhaust butterfly valve management
- Ride By Wire system
- Three engine mappings make for three bikes in one
- Progressive RLM





POWER - CONTROL - PERFORMANCE - SAFETY **EFFECTIVENESS**

POSITIONING







TARGET CUSTOMER



- **Age:** 30-40 years
- Social/marital status: single, or single lifestyle
- Appearance: technical
- ➤ Motorcycles owned: > 3, expert
- Motorcycle sport: follows or actively takes part in minor competitions
- Hobbies: endurance sports, speed

Reason for buying: Stay ahead of others

Sports lover: Aesthetics meet functionality
Looking for performance: Engine power, handling, ultimate control
Rider: No passenger, uses bike on track
Professional rider (RSV4 F): Top components and Racing accessories
Likes to stand out: Visible technical details





New for MY2013



INCREASED PERFORMANCE

- Multimap sport ABS
- New Brembo M430 front calipers and front brake master cylinder
- Evolved atc and map 1 awc specific for racing use
- New engine positioning inside the chassis
- > Optimized engine:
 - Friction reduction
 - Improved crankcase ventilation

VEHICLE OPTIMIZATION

- New fuel tank:
 - Increased capacity (17l to 18.5 l = +.40 US gallon)
 - Improved ergonomics
- lower rider seat height (-5 mm or -.20in)
- New headlight finishing







Main advantages of ABS on motorcycles:

- Greater stability
- > Best deceleration without locking the wheels
- ➤ Lowest stopping distance in different critical situations

Aprilia wanted to go beyond, developing an ABS system which isn't simply acting to prevent the wheels from locking during braking, but according to 3 different map settings. A system that is able to detect the kind of situation in which the braking occurs (relaxed riding, sport riding, track, bumpy road, "panic stop") and to adapt its intervention accordingly, always maximizing brake performance.





How it works





master cylinder

Braking force

INPUT

9MP **ECU**

OUTPUT

Modulation of the braking force



The braking force is modulated to prevent wheels locking, as the limit of adherence is approached, according to the level at which the system is set



RLM

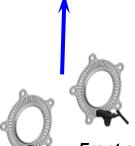
2 x Front Brake calipers

The pressure of the front circuit is monitored to limit the lifting of the rear wheel, according to the level at which the system is set (Lev.1 OFF)



Pressure sensor

Detects PEAK PRESSURE in the FRONT brake circuit

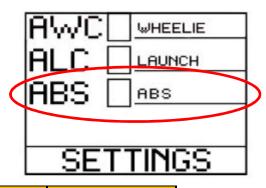


Front and Rear speed sensors

Measure the speed of the two wheels. These values are used to DETECT their LOCK



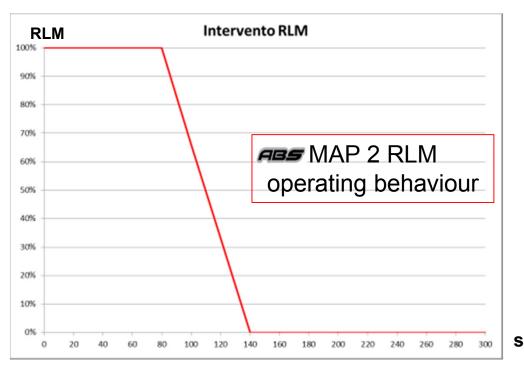
The rider can select 3 different settings of the ABS system, as well as disable it.



ABS MAP	DESCRIPTION	ACTIVE CHANNELS	
	OFF	not active	
1	TRACK best hard-braking performances RLM disabled road homologated	front & rear	
2	SPORT for sport-riding purpose speed> 140 km/h RLM disabled 80 km/h < speed < 140 km/h progressive RLM speed < 80km/h full RLM	front & rear	
3	RAIN maximum safety in low grip conditions full RLM	front & rear	









RLM (**R**ear wheel **L**ift-up **M**itigation) is an operating strategy of the ABS system, which limits rear wheel lifting when intensively braking. Aprilia, for the first time on a production motorcycle, has defined and developed a progressive intervention (MAP 2).

- ➤ Speed > 87mph or 140 km/h → RLM off;
- ➤ (80 km/h / 50 mph) < speed < (87 mph /140 km/h) → RLM operates increasingly;
 </p>
- ➤ Speed < 80 km/h / 50mph → RLM full-on.

The APRC package





AWC (Aprilia Wheelie Control)



ALC (Aprilia Launch Control)



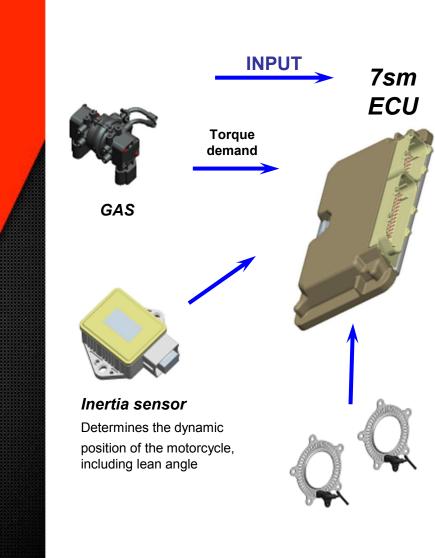
AQS (Aprilia Quick Shift)





- + RACE screen
- + CALIBRATION system

How it works





4 spark plugs Immediately reduces torque requested by rider by eliminating advance (acts only in the event of sudden grip loss)

Front and rear speed sensors

2 throttle bodies Gently reduces torque requested by rider by closing throttle bodies

OUTPUT

FAST torque cut-off

SOFT torque cut-off

Measure the speeds of the two wheels. These values are used to calculate SLIP: i.e. how much faster the rear wheel is, compared to the front wheel





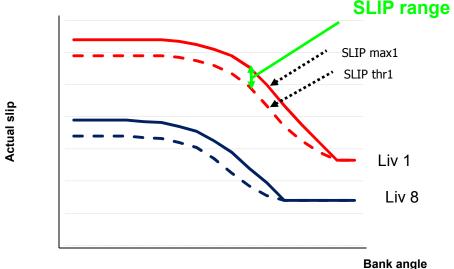
Aprilia Traction Control

Increases control in the event of sliding when exiting a curve

Controls wheel-spin (SLIP) under acceleration. Uses the bank angle and other parameters.

Uses **SLIP CONTROL®**, a patented Aprilia system
In all **8 available settings**, the system modulates slip when
existing a corner between a maximum and a minimum threshold





New for 2013: IMPROVED SYSTEM BEHAVIOUR

The behavior of the system has been made more consistent by ensuring high support in high speed corners, without compromising traction while exiting slow corners. Now the allowed slip percentage also differs according to the kind of corner.

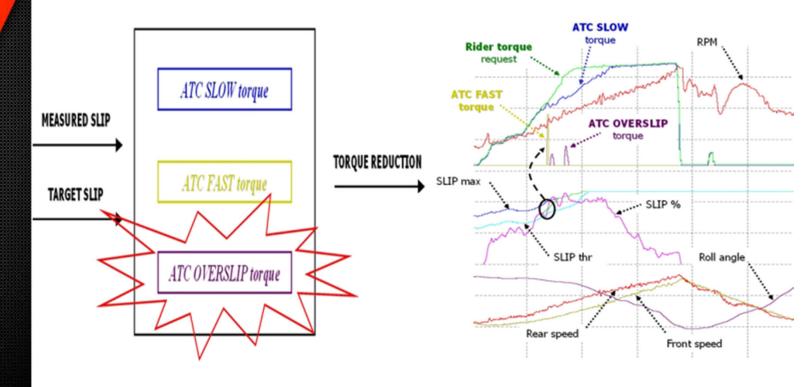




Aprilia Traction Control



New for 2013: OVERSLIP CONTROL ® is a further strategy of traction control, which operates when the acceleration skid (SLIP) exceeds the maximum limit (SLIP max). This strategy allows to improve the behavior of the vehicle with particularly worn or less performing tires.





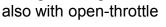


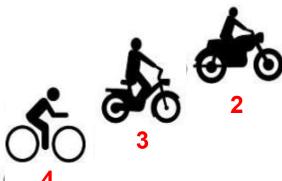
Aprilia Traction Control





Dedicated joystick enables rider to change setting under any conditions,











Particularly useful in the event of:

- loss of grip of the tires
- changing weather conditions



Aprilia Wheelie Control

Helps the rider to control wheeling by lowering the front wheel gently to the ground

WHEELIE DETECTION®

system (Aprilia patent) identifies the START and END of a wheelie

During a wheelie, AWC prevents the motorcycle from exceeding a predetermined **longitudinal acceleration** limit



The system gently lowers the front wheel to the ground





AWC map 1 more racing oriented: allows longer wheelies (always with active ATC)





a wc

Aprilia Wheelie Control





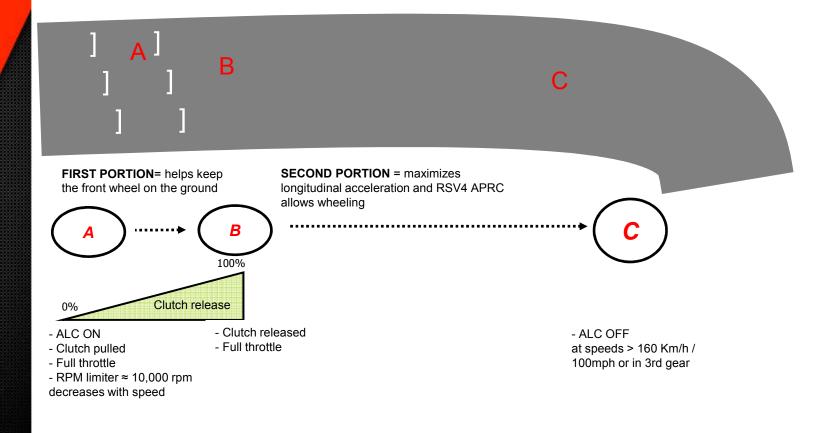
When AWC is disabled, wheelies are allowed even when ATC is active thanks to the patented **WHEELIE DETECTION**® system





Aprilia Launch Control

Optimizes acceleration from a standing start for track use. Rider has to concentrate solely on releasing the clutch



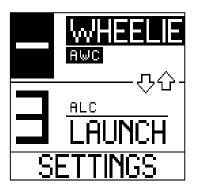


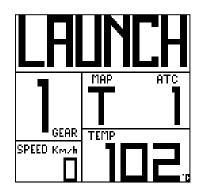


Aprilia Launch Control



Aprilia patent





3 SETTINGS selectable from the dashboard with motorcycle at rest

System is armed by simultaneously pressing both buttons (+ and -) of the joystick on the left hand handlebar at the starting grid

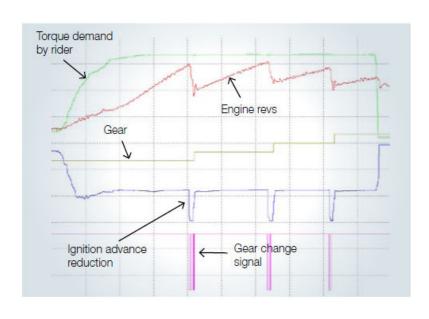




Aprilia Quick Shift

Enables faster gearshifts without using the clutch or closing the throttle

Shift times are shorter than with conventional gearboxes





Gear shift lever input path: Sensor > engine control unit > ignition and fuel injection control > torque cut-off > gear shift > torque progressively restored

System kick-in time varies according to three different engine rpm thresholds, i.e. is slower at low rpm and faster at high rpm



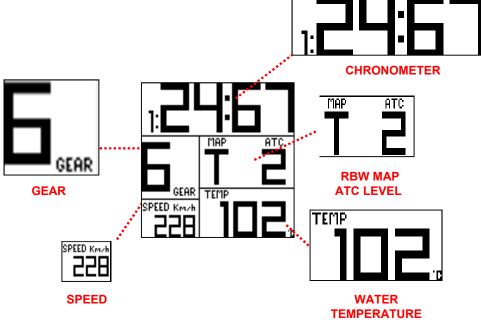
DUAL DISPLAY DASHBOARD

Road



- Average & max speed
- Engine map
- ATC level
- Gear position
- Clock
- Odometer
- Water temperature

Race



Compatible with finish line optical markers





CALIBRATION PROCEDURE

Compatible with different types and sizes of tires

Exclusive rolling diameter **self-calibration** procedure selectable from dashboard

Extremely important when changing tire type or final drive ratio





All it takes is riding the motorcycle on a level road at 40 km/h for some seconds until CALIBRATING disappears from the display. If the procedure is completed successfully, the message Calibrating is no longer shown on the display when the bike is started again.

Performance: engine

Never ending evolution

New for 2013:

Increased crankcase ventilation





Reduced friction and smoothness of moving parts improved





Performance: brakes





New for 2013:

- New Brembo M430 front calipers
- New front brake master cylinder
- Evolved rear brake caliper
- New sintered pads optimized for ABS



Performance: Frame and ergonomics

New for 2013



 Engine repositioned to improve braking stability and traction out of corners



- Superior under braking support
- Improved mobility and support when leaning
- Increased capacity to 18.5I
 (17I to 18.5 I = +.40 US gallon)
- 5 mm lowered rider saddle





Design: Headlight





New for 2013:

New aesthetical finishing for an even more aggressive look



RSV4 Factory



Data sheet

Engine Aprilia 65°cc longitudinal V four stroke. Double overhead camshaft; four valves per cylinder. Three maps Ride-by-Wire system.

Displacement 999.6 cc

Maximum power 180 HP (132,4 kW) a 12.500 rpm

Maximum torque 115 Nm a 10.000 rpm

Cooling Liquid cooling

Front suspension43mm Öhlins upside down units fully adjustable (Tin). Wheel travel: 120 mm Rear suspensionAluminum alloy swingarm. ÖHLINS piggyback shock absorber with adjustable spring preload, compression, rebound damping and length. Wheel travel: 130 mm

Front brake Double 320mm lightweight stainless steel floating discs. New M430 Brembo monobloc radial calipers with 4 opposed of 30 mm pistons. Sintered pads. New radial master cylinder. Metal braided brake line.

Rear brake 220 mm disc. New Brembo floating caliper with 2 insulated 32 mm pistons. Sintered pads. Master cylinder with integral reservoir. Metal braided brake line

ABS Multi-map Bosch 9MP ABS (3 maps selectable), deactivable and with RLM (Rear wheel Lift-up Mitigation).

Front tyre Radial tubeless - 120/70 ZR 17

Rear tyre Radial tubeless - 200/55 ZR 17 (homologated option 190/50 ZR 17; 190/55 ZR 17)

Seat height 840 mm

Fuel tank 18,5 lt

Colors SBK Special Edition





Engine Aprilia 65°cc longitudinal V four stroke. Double overhead camshaft; four valves per cylinder. Three maps Ride-by-Wire system.

Displacement 999.6 cc

Maximum power 180 HP (132,4 kW) a 12.250 rpm

Maximum torque 115 Nm a 10.000 rpm

Cooling Liquid cooling

Front suspension 43mm Sachs upside down units fully adjustable. Wheel travel: 120 mm

Rear suspensionAluminum alloy swingarm. Sachs piggyback shock absorber with adjustable length, spring preload, compression and rebound damping. Wheel travel: 130 mm

Front brake Double 320mm lightweight stainless steel floating discs. New M430 Brembo monobloc radial calipers with 4 opposed 30 mm pistons. Sintered pads. New radial master cylinder. Metal braided brake line.

Rear brake 220 mm disc. New Brembo floating caliper with 2 insulated 32 mm pistons. Sintered pads. Master cylinder with integral reservoir. Metal braided brake line

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Front tyre Radial tubeless - 120/70 ZR 17

Rear tyre Radial tubeless - 190/55 ZR 17 (homologated option 190/50 ZR 17; 200/55 ZR 17)

Seat height 840 mm

Fuel tank 18.5 lt

Colours Sunlit Yellow, Matte Black





Colors



New for 2013: SBK Special Edition

Exclusive to: USA – Canada – Mexico





Colors



New for 2013: SUNLIT YELLOW







Colors



New for 2013: MATTE BLACK





Factory Technical Comparison







	RSV4 Factory	BMW HP4	Kawasaki ZX - 10R	Honda CBR 1000	Ducati 1199	
	aPRC ABS	MY13	MY13	RR MY13	Panigale S	
FRAME						
type	Al double beam	Al double beam	Al double beam	Al double beam	Al monoblock	
FRONT SUSPENSION						
type	Ohlins USD Ø43, fully adjustable.	Sachs USD Ø43, with electronic rebound and compression adjustment.	Showa BPF Ø43 , fully adjustable.	Showa BPF Ø43 , fully adjustable.	Ohlins USD Ø43, with electronic rebound and compression adjustment.	
excursion [mm]	120	120	120	120	120	
REAR SUSPENSION						
swingarm	Al double-arm	Al doub le arm	Al double-arm	Al double-arm	Al single-arm	
shock absorber	Ohlins with piggy back; fully adjustable.	Sachs with piggy back, with electronic rebound and compression adjustment.	KYB with piggy back; fully adjustable	'Balance Free Rear Cushion', fully adjustable.	Ohlins with piggy back, with electronic rebound and compression adjustment.	
excursion [mm]	130	130	140	120	130	
FRONT WHEEL			1		,	
rim	3,5"x17"	3,5"x17"	3,5"x17"	3,5"x17"	3,5"x17"	
tyre	120/70-ZR17"	120/70-ZR17"	120/70-ZR17"	120/70-ZR17"	120/70-ZR17"	
REAR WHEEL			,	•	,	
rim	6"x17"	6"x17"	6"x17"	6"x17"	6"x17"	
tyre	200/55-ZR17"	200/55-ZR17"	190/55-ZR17"	190/50-ZR17"	200/55-ZR17"	
BRAKING SYSTEM						
front	Ø320 double disc; 4 pistons & 2 pads monobloc radial calipers	Ø320 double disc; 4 pistons & 2 pads monoblock radial calipers	Ø310 double disc; 4 pistons & 2 pads monobloc radial calipers	Ø320 double disc; 4 pistons & 2 pads monobloc radial calipers	Ø330 double disc; 4 pistons & 2 pads M430 monobloc radial calipers	
rear	Ø220 single disc; double piston caliper	Ø220 single disc; single piston caliper	Ø220 single disc; Al single piston caliper	Ø220 single disc; single piston caliper	Ø245 single disc; double piston caliper	
ABS					_	
maps	3	3+1 race use	1	1	3	
disable	YES	YES	NO	NO	YES	
rear disabled	NO	"slick" map <u>, only for track</u>	NO	NO	RACE map	
combined braking	NO VES	YES (front lever only)	NO VEC	YES	YES	
front pressure sensor	YES	YES YES	YES NO	YES YES	YES NO	
rear pressure sensor	NO	1E3	- throttle position - rpm - clutch engagement	1E3	NO	
ECU datas	NO	NO	- gear	NO	NO	
bank angle sensor	NO	NO	NO	NO	NO	
ABS system weight	2 kg	2,5 kg	3 kg	11 kg	2,5 kg	
			,			

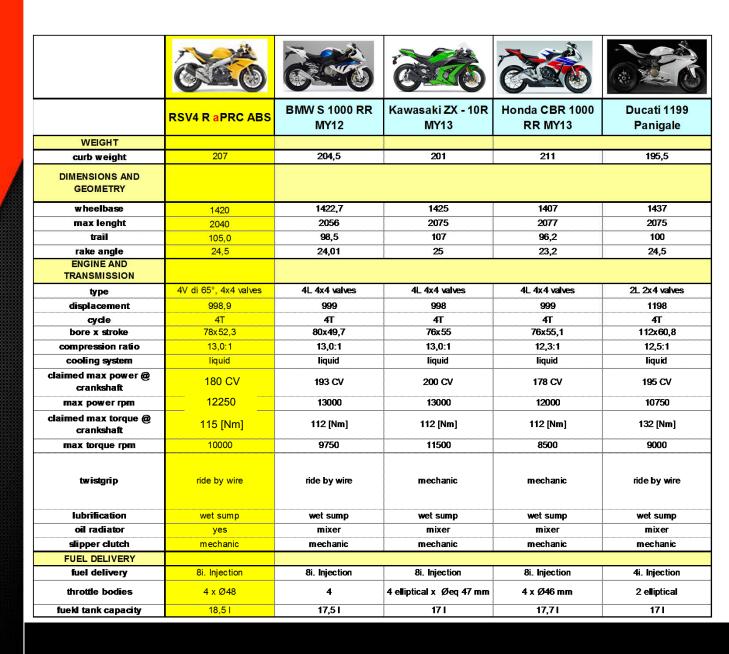


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	RSV4 Factory aPRC ABS	BMW HP4 MY13	Kawasaki ZX - 10R MY13	Honda CBR 1000 RR MY13	Ducati 1199 Panigale S
PLUS					
Variable lenght intake funnels					
High and low injectors					
Ride by Wire					
Cassette-type gerabox					
Slipper clutch					
Adjustable frame					
Ohlins					
Brembo					
Forged wheel rims					



	RSV4 Factory aPRC ABS	BMW HP4 MY13	Kawasaki ZX - 10R MY13	Honda CBR 1000 RR MY13	Ducati 1199 Panigale S
PLUS					
Carbon parts	••				
Traction Control					
Wheelie control	LEV.				
Launch control					
Quick Shift					
200/55 rear tyre					
RACE display	•••				
TC/tyres Calibration					
Multimap ABS					
progressive RLM					

R Technical Comparison







	7				
	6				
FRAME				<u> </u>	
type	Al double beam	Al double beam	Al double beam	Al double beam	Al monoblock
FRONT SUSPENSION					
type	Sachs USD Ø43, fully adjustable	Sachs USD Ø43, fully adjustable	Showa BPF Ø43, fully adjustable	Showa BPF Ø43, fully adjustable	Marzocchi USD Ø50, fully adjustable
excursion [mm]	120	120	120	120	120
REAR SUSPENSION					
swingarm	Al double-arm	Al double-arm	Al double-arm	Al double-arm	Al single-arm
shock absorber	Sachs with piggy back; fully adjustable	Sachs with piggy back; fully adjustable	KYB with piggy back; fully adjustable	'Balance Free Rear Cushion', fully adjustable	Sachs with piggy back; fully adjustable
excursion [mm]	130	130	140	120	130
FRONT WHEEL					
rim	3,5"x17"	3,5"x17"	3,5"x17"	3,5"x17"	3,5"x17"
tyre	120/70-ZR17"	120/70-ZR17"	120/70-ZR17"	120/70-ZR17"	120/70-ZR17"
REAR WHEEL					
rim	6"x17"	6"x 17"	6"x17"	6"x17"	6"x17"
tyre	190/55-ZR17	190/55-ZR17"	190/55-ZR17"	190/50-ZR17"	200/55-ZR17"
BRAKING SYSTEM					
front	Ø320 double disc; 4 pistons & 2 pads monobloc radial calipers	Ø320 double disc; 4 pistons & 4 pads radial calipers	Ø310 double disc; 4 pistons & 2 pads monobloc radial calipers	Ø320 double disc; 4 pistons & 2 pads monobloc radial calipers	Ø330 double disc; 4 pistons & 2 pads M430 monobloc radial calipers
геаг	Ø220 single disc; double piston caliper	Ø220 single disc; single piston caliper	Ø220 single disc; Al single piston caliper	Ø220 single disc; single piston caliper	Ø245 single disc; double piston caliper
ABS					
maps	3	3+1 race use	1	1	3
disable	YES	YES	NO	NO	YES
rear disabled	NO	"slick" map <u>, only for track</u>	NO	NO	RACE map
combined braking	NO	YES (front lever only)	NO VEO	YES	YES
front pressure sensor	YES NO	YES YES	YES NO	YES YES	YES NO
rear pressure sensor	NU	1 E3	- throttle position	1 E3	NU NU
			- unoue position - rom		
			- clutch engagement		
ECU datas	NO	NO	- gear	NO	NO
bank angle sensor	NO	NO	NO	NO	NO
ABS system weight	2 kg	2,5 kg	3 kg	11 kg	2,5 kg



	866		6		
	RSV4 R aPRC ABS	BMW S 1000 RR MY12	Kawasaki ZX - 10R MY13	Honda CBR 1000 RR MY13	Ducati 1199 Panigale
PLUS					
Variable lenght intake funnels					
High and low injectors					
Ride by Wire					
Cassette-type gerabox					
Slipper clutch					
Adjustable frame					
Ohlins					
Brembo					
Forged wheel rims					



	8		6	
PLUS				
Carbon parts	•••			
Traction Control				
Wheelie control	LEV.			
Launch control				
Quick Shift		ОРТ		
200/55 rear tyre				
RACE display				
TC/tyres Calibration				
Multimap ABS				
progressive RLM				

Accessories

To increase the performance of the RSV4 [IRC] and to put on the track

Aprilia's experience in the SBK World Championship





RSV4 also gives the maximum for every day use. And with these accessories can be the perfect traveling companion to see the world







FOR DETAILS ON ACCESSORY OFFERING PLEASE REFER TO SPECIFIC SEPARATE CATALOGUE



FAQ

GENERAL SUBJECTS

- What does multi-map ABS mean?
- 2) What does RLM mean?
- 3) Will the multi-map ABS also be featured by other aprilia models?
- 4) What does APRC mean? Is it a registered brand?
- 5) Will the APRC system also be featured by other aprilia models?
- 6) How do you switch to RACE display on the dashboard?

PERFORMANCE

- 1) What are the advantages of multi-map ABS?
- 2) Why APRC represents a generational leap in electronic management systems for the performance of a motorcycle?
- 3) Why does the APRC package also include AQS (Aprilia Quick Shift)?
- 4) How does the calibrating procedure work?
- 5) Why an inertial platform is needed?
- 6) Are there dedicated warning lights for the ABS system?
- 7) Can the ABS be switched off?
- 8) Are there dedicated warning lights for the aPRC system?
- 9) Can the aPRC be switched off?
- 10) What is the difference between AWC and a traditional anti wheelie?
- 11) What are the strengths of ALC?
- 12) What are the main features of the Aprilia Quick Shift compared to a traditional quick shift?
- 13) What does OVERSLIP control mean?

USE

- 1) Is it a single-seater?
- 2) Why track ready? (RSV4 Factory)
- 3) Can I install only the Pirelli 200/55 of the OEM equipment?



FAQ – General subjects

Question	Answer
What does multi-map ABS mean?	It means that the rider can select 3 different «maps», or wheel anti-lock system settings.
	MAP 1: track riding
	MAP 2: open road sport-riding
	MAP 3: wet or slippery road riding.
What does RLM mean?	«Rear wheel Lift-up Mitigation». It is a strategy that avoids motorcycle lifting during braking, and is linked to the 3 ABS maps. MAP 1: RLM off MAP 2: RLM disabled over 140km/h and increasingly active in range of 140 km/h to 80km/hr MAP 3: RLM full-on below 80km/h
Will the multi-map ABS also be featured by other aprilia models?	Multi-map ABS has been developed to improve braking performance, raising safety to the maximum level. It will be featured by other Aprilia high-performance models.



FAQ – General subjects

Question	Answer
What does APRC mean? Is it a registered brand?	APRC means Aprilia Performance Ride Control, a control system of performance riding. The name is a registered trademark and the system is based on three exclusive Aprilia patents.
Will the APRC system also be featured by other aprilia models?	APRC has been developed for experienced riders to help enhance performance riding, and will be installed on other Aprilia high-performance models.
How do you switch to RACE display on the dashboard?	RACE mode has been included as a third display option between trip 1 and trip 2. To access RACE mode, rider needs to press and hold the MODE button to one side. As in ROAD mode, the ATC and AWC levels are not displayed in RACE mode. To access the AWC and ALC settings directly from the RACE mode screen, rider simply needs to press the center of the MODE control briefly.



FAQ – Performance

Question	Answer
What are the advantages of multi-map ABS?	It allows the rider to set the ABS system response to best-match the current riding style and conditions. This allows the rider to always get the maximum result regarding braking performance and safety.
Why APRC represents a generational leap in electronic management systems for the performance of a motorcycle?	APRC is comprised of 4 basic modules: ATC, AWC, ALC and AQS. The first three operate on exclusive, racing derived electronic systems patented by Aprilia ,which are available on a production bike for the first time ever. Just think of ATC's double slip threshold operation and Launch Control.
Why does the APRC package also include AQS (Aprilia Quick Shift)?	The APRC package is a set of tools that further enhance the RSV4 Factory APRC performance on the road and on the track, designed for expert, demanding riders. The Quick Shift system designed by Aprilia shortens shift time for improved vehicle performance, especially on the track.
How does the calibrating procedure work?	This procedure is only required in the event of changing the rear tire with a different size or type of tire, or if the final drive ratio is changed. All it takes is riding the motorcycle on a level stretch of road at 40 Km/h for some seconds until CALIBRATING disappears from the display. If the procedure is completed successfully, the message CALIBRATING is no longer shown on the display when the bike is started again.



aprilia FAQ – Performance

Question	Answer
Why an inertial platform is needed?	Using an inertia sensor platform is indispensable for traction performance control in order to measure motorcycle lean angle. As a matter of fact, performance traction control systems require different maximum slip thresholds for different lean angles, to reflect motorcycle position - from upright to steep lean angles. The inertia sensor platform identifies maximum slip allowed for that specific lean angle and assists the rider throughout the entire acceleration phase when exiting a curve.
Are there dedicated warning lights for the ABS system?	There is a dedicated ABS light, which indicates the system status as follows: - Warning light off when system is enabled - Warning light steady on when system was deactivated voluntarily by rider or deactivated as a result of a fault - Warning light flashing slowly during initial sensor check at vehicle speeds up to 5 Km/h - Warning light flashing slowly at vehicle speeds over 5 Km/h when system was deactivated as a result of a fault
Can the ABS be switched off?	The entire ABS system may be deactivated by the rider. To deactivate the system, rider selects ABS level 1 then presses and holds the "-" button. Pressing "+" activates the system again. WARNING: ABS system disabling continues to be operative even after key OFF/ON.



aprilia FAQ – Performance

Question	Answer
Are there dedicated warning lights for the aPRC system?	There is a dedicated APRC light, which indicates the system status as follows: - Warning light off when system is enabled - Warning light steady on when system was deactivated voluntarily by rider or deactivated as a result of a fault - Warning light flashing slowly during initial sensor check at vehicle speeds up to 5 Km/h - Warning light flashing quickly when one of the APRC functio kicks in
Can the aPRC be switched off?	The entire APRC system may be deactivated by the rider. To deactivate the system, rider selects ATC level 1 then presses and holds the "-" button. Pressing and holding "+" activates the system again.
What is the difference between AWC and a traditional anti wheelie?	Conventional systems control wheeling indirectly but are not actually "aware" of the wheelie state. During a wheelie, the frow wheel slows down, causing the calculated slip value to increasivery rapidly. This triggers the response of the Traction Control system, which violently drops the front wheel to the ground. The Aprilia AWC system, however, recognizes when a wheeling begins and when it ends. It temporarily disables traction control and modulates throttle valve aperture and ignition advance to lower the front wheelingently back to the ground.

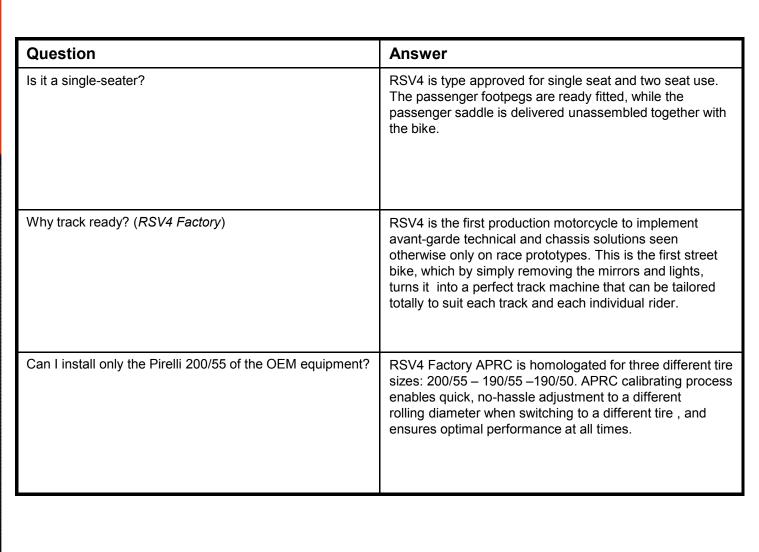


aprilia FAQ – Performance

Question	Answer
What are the strengths of ALC?	On the track, the start is a very delicate and exciting part of the race. The exclusive and patented ALC Aprilia Launch Control system means that rider has to concentrate solely on letting out the clutch lever and helps keep the front wheel close to the ground. This way, all 180 Hp of Aprilia RSV4 are transferred effectively to the road.
What are the main features of the Aprilia Quick Shift compared to a traditional quick shift?	Unlike quick shift systems available in the market, Aprilia Quick Shift adapts the gear shift strategy in relation to engine speed and torque requested by the rider. The results are immediately available, lightening fast gearshifts for track use and much smoother, comfortable shifts for road use. Torque cut-off is effected by reducing ignition advance and injection times.
What does OVERSLIP control mean?	It is an ultimate traction control strategy, that operates when rear wheel skid (SLIP) is higher than a definid treshold (SLIP max). It allows a smoother and more accurate torque delivery when riding close to the adherence limit. This strategy improves the vehicle's performance with worn or low performing tyres.



FAQ – Use





Dealer Info

APRILIA DEALER EXTRANET

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Canada: http://dealers.pgacanada.com

PRODUCT INFORMATION MATERIAL

Website USA: www.apriliausa.com.com

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APRILIA CUSTOMER SERVICE

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