



MAKING YOUR DREAMS A REALITY

## FITTING INSTRUCTIONS

APRILIA RS250 GP Style Seat Cowling

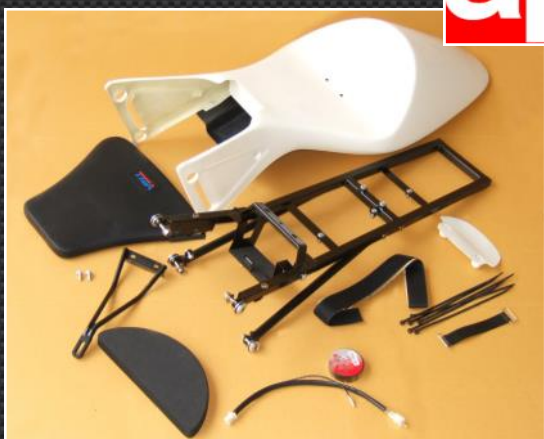
BPFS-0102 (street, GRP)

BPFS-1102 (street, Carbon)

BPFS-0103 (race, GRP)



**aprilia**





## Fitment of Aprilia RS250 GP Style Seat Cowling (BPFS-0102, BPFS-0103, BPFS-1102)

Thank you for purchasing the TYGA Aprilia RS250 GPStyle Seat Cowling Kit. Please take a few minutes to read these instructions in order to make the fitment of this kit on your motorcycle a straight forward and easy task. It requires no special skills or tools, but reasonable mechanical competence and a decent tool kit. Always trial fit the fairing before painting to save a lot of trouble later on.

**1**, Before starting work on the bike, remove all the components from the box and familiarize yourself with each one. The following are the contents for each GP style Seat Cowling Kit.

**Product Name:** Kit, Seat Set (Street GRP), Aprilia RS-250

**Motorcycle Model:** 1998-2006 Aprilia RS-250

**Part Number:** BPFS-0102 and BPFS-1102 ( carbon)





**1 x BPFT-9030 Seat Cowling (GRP), Aprilia RS-250, GP Style , Assy.**

**1 x TYLY-0064 Exhaust Stay, Aprilia RS-250 TYGA**

**1 x TYLY-0065 Tyga subframe, Aprilia RS-250, Assy.**

**1 x BPLT-0009E LED taillight assembly ,Aprilia RS 250**

**1 x BPSP-0004 Seat pad GP Race tail**

**1 X FAVS-0002 Velcro strip**

**1 x BPFX-9130 Registration/License Plate Holder, (Aprilia Type), Assy.**

<b>Code</b>	<b>Description</b>	<b>Quantity</b>
<b>BPFT-9030</b>	<b>Seat Cowling (GRP), Aprilia RS-250, GP Style , Assy.</b>	
BPFT-9030(p)	Seat Cowling (GRP), Aprilia RS-250, GP Style , Assy.	1
BPFX-9030	Undertray (GRP),GP Style RS250	1
JTST-0410	M4x10 JT Domehead Bolt	5
WPSS-0400	M4 Washer	5
BPSP-0002	Seat Bum Stop, large	1
<b>TYLY-0065</b>	<b>Tyga subframe, Aprilia RS-250, Assy.</b>	
TYLY-0065(p)	Tyga subframe, Aprilia RS-250, Assy.	1
CHSS-0830	M8x30 Caphead	2
CHSS-0835	M8x35 Caphead	2
WPSS-0800	M8 Washer	4
NTNY-0800	M8 Nylok Nut	4
JTST-0615	M6x15 JT Domehead Bolt	5
JTST-0610	M6x10 JT Domehead Bolt	4
WPSS-0600	M6 Washer	7
TNY-0600	M6 Nylok Nut	
WPPC-0600	M6 Washer	4
BPSY-0084	Seat Bush RS-250	4
EXOR-0007	O-Ring 3x19mm	4
	Foam Pad	1
CTBL-0250	Cable Ties CT-250 (Black)	6
FABS-0002	Battery rubber (Large)	1
TAPE-0001	Roll of 3m Electric Tape	1
<b>TYLY-0064</b>	<b>Exhaust Stay, Aprilia RS-250 TYGA</b>	
TYLY-0064(p)	Exhaust Stay, Aprilia RS-250 TYGA	1
95701-06012-00	M 6 Bolt	2
<b>BPLT-0009E</b>	<b>Tail Light unit, LED, Flat, Assy. (Aprilia RS 250)</b>	
	Tail Light, LED.	1
61104-428-000	Collar, Front Fender, NSR150SP	2
77228-GBG-850	Rubber, Seat Lock	2
JTST-0635	M6x35 Domehead Bolt	2
<b>BPFX-9130</b>	<b>Registration/License Plate Holder, (Aprilia Type), Assy.</b>	
BPFX-9130(p)	Registration/License Plate Holder, (Aprilia Type), Assy.	1
JTST-0510	M5x10 JT Domehead Bolt	1
NTST-0300	M3 Nut	2
WPSS-0300	M3 Washer	4
JTST-0325	M3x25 Domehead Bolt	2
BPLT-0015	Number plate light	1

***The Carbon street set has the same parts as above, the only difference is being the Seat Cowling ( BPCX-9030) the Undertray ( BPCX-9030) and the License plate holder (BPCX-9130) made of Carbon.***



## Product Name: Kit, Seat Set (Race GRP), Aprilia RS-250

Motorcycle Model: 1998-2006 Aprilia RS-250

Part Number: BPFS-0103



1 x BPFT-9030 Seat Cowling (GRP), Aprilia RS-250, GP Style , Assy.

1 x TYLY-0064 Exhaust Stay, Aprilia RS-250 TYGA

1 x TYLY-0065 Tyga subframe, Aprilia RS-250, Assy.

1 x BPSP-0004 Seat pad GP Race tail

1 X FAVS-0002 Velcro strip

1 x BPFX-9330 Cover ,Race, Aprilia RS-250 GP Style

Code	Description	Quantity
<b>BPFT-9030</b>	<b>Seat Cowling (GRP), Aprilia RS-250, GP Style , Assy.</b>	
BPFT-9030(p)	Seat Cowling (GRP), Aprilia RS-250, GP Style , Assy.	1
BPFX-9030	Undertray (GRP),GP Style RS250	1
JTST-0410	M4x10 JT Domehead Bolt	5
WPSS-0400	M4 Washer	5
BPSP-0002	Seat Bum Stop, large	1
<b>TYLY-0065</b>	<b>Tyga subframe, Aprilia RS-250, Assy.</b>	
TYLY-0065(p)	Tyga subframe, Aprilia RS-250, Assy.	1
CHSS-0830	M8x30 Caphead	2
CHSS-0835	M8x35 Caphead	2
WPSS-0800	M8 Washer	4
NTNY-0800	M8 Nylok Nut	4
JTST-0615	M6x15 JT Domehead Bolt	5
JTST-0610	M6x10 JT Domehead Bolt	4
WPSS-0600	M6 Washer	7
NTNY-0600	M6 Nylok Nut	7
WPPC-0600	M6 Washer	4
BPSY-0084	Seat Bush RS-250	4
EXOR-0007	O-Ring 3x19mm	4
	Foam Pad	1
CTBL-0250	Cable Ties CT-250 (Black)	6
FABS-0002	Battery rubber (Large)	1
TAPE-0001	Roll of 3m Electric Tape	1
<b>TYLY-0064</b>	<b>Exhaust Stay, Aprilia RS-250 TYGA</b>	
TYLY-0064(p)	Exhaust Stay, Aprilia RS-250 TYGA	1
95701-06012-00	M 6 Bolt	2
<b>BPFX-9330</b>	<b>Cover ,Race, Aprilia RS-250 GP Style</b>	
BPFX-9330 (p)	Cover ,Race, Aprilia RS-250 GP Style	1
JTST-0635	M6x35 Domehead Bolt	2







**BPFT-9030**



**BPCT-9030**



**BPCX-9030**



**TYLY-0065**



**TYLY-0064**



**Subframe Mounting  
Hardware**



**BPFX-9330**



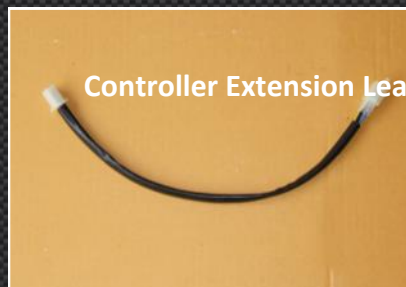
**BPSP-0004**



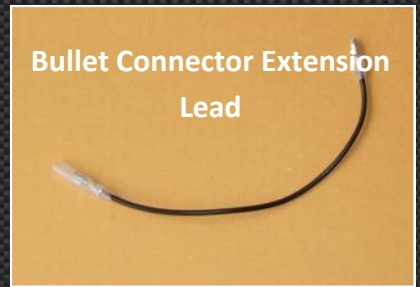
**BPFX-9130**



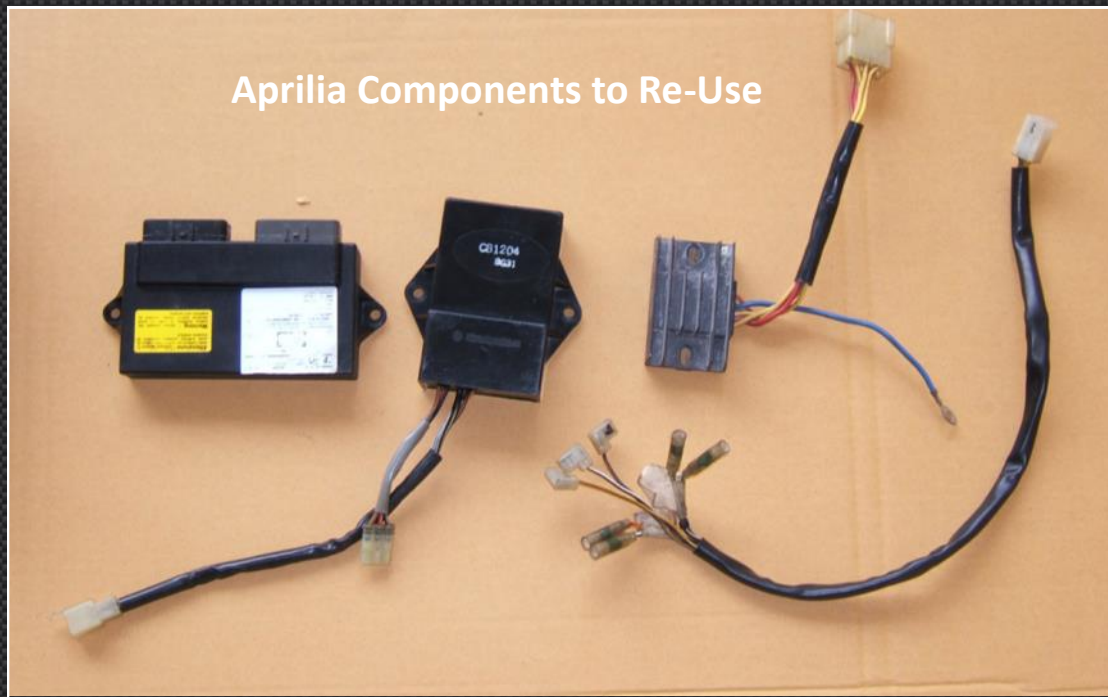
**BPCX-9130**



**Controller Extension Lead**



**Bullet Connector Extension  
Lead**



**Aprilia Components to Re-Use**



**2.** Once you have familiarized yourself with the components, the next step is the removal of the stock seat cowling, subframe and undertray. This is fairly easily accomplished. First, remove the seat cowling pod. Remember to disconnect the taillight. Remove the tank next. This is held by one bolt at the rear. Remember to disconnect the fuel before trying to lift it off. You will need the rear tank rubbers, bolts and bushes. After that, unplug and remove the electrical components including battery, the regulator, the valve controller and the CDI. You now need to remove the passenger pegs, the exhaust mount, disconnect the brake reservoir from the subframe. (It is re-used so don't take it off the master cylinder) Next, remove the subframe and associated parts. You will need good sockets and a long bar because the bolts are done up very tight. Lift the subframe out of the way, and you are now ready to fit the Tyga replacement parts. Retain the bolts that secure the subframe to the airbox. Finally remove the air box,



**3.** The first component to fit to the bike is the TYGA subframe. Remove the mounting bolts for the various components making a note of where they all belong. The subframe is secured at the original position but uses the special bushes and bolts provided in the kit for attaching the seat cowling later. Fit all bolts loosely and you will notice a lot of play up and down and side to side. This is to allow for the optimum position so leave the bottom mounting bolts loose for now and just nip up the top two so the whole subframe is level and can swivel up and down slightly. Before going any further view the bike from the rear to check the subframe is straight. Loosen off an adjust as necessary.

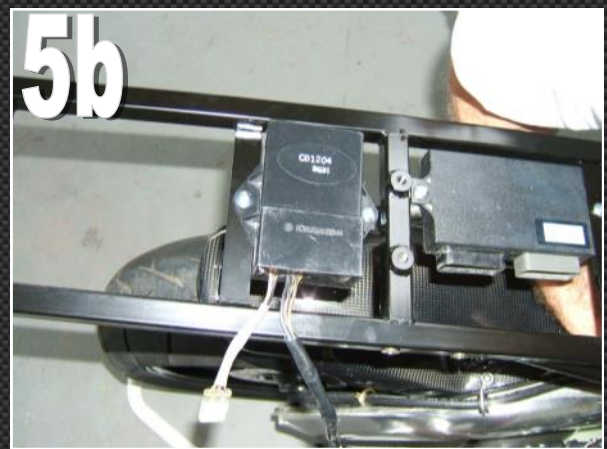




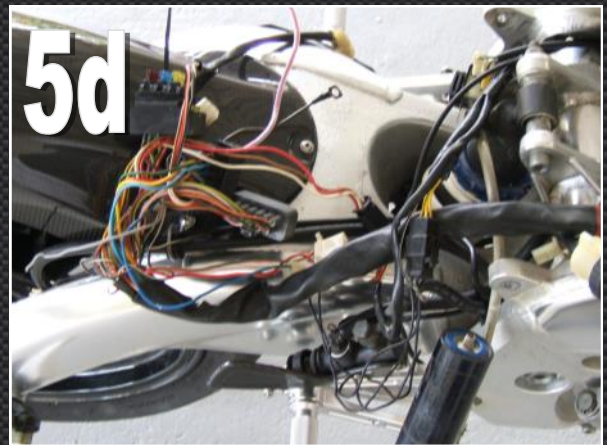
4. Your bike is fitted with a remote gas shock, this mounts on the bracket on right of the battery box with the braided line on the outside. Make sure it is not stressed or kinked as this will result in damage to the line and poor suspension performance. While you are there, attach the rear brake reservoir to the tab on the subframe with the bolt provided.

5. Next fit the electrical components to their positions as shown in the photographs using the TYGA supplied fasteners except for the original CDI rubber mounts. The valve controller and the CDI are at the rear of the subframe and the regulator/rectifier fits under the battery box. Be sure to connect up the earth for the regulator.

Now the wiring harness is not designed for the components to be in the positions they are now and there is some considerable re-routing required.



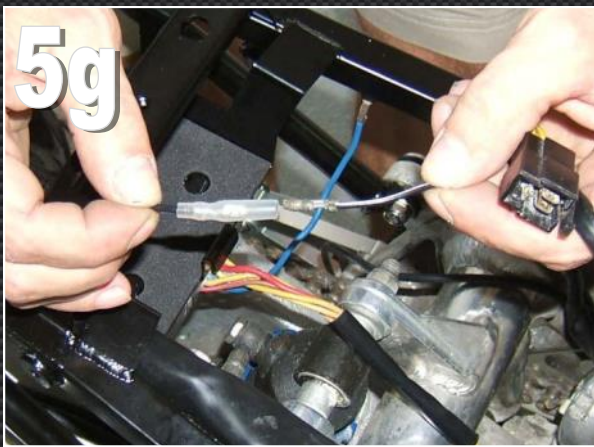
The first thing to do is try to get more slack from the harness by undoing the cable tie where the main harness is attached on the right frame spar. Feed the harness through as much as possible without causing the wiring distress. This will allow enough of the harness to feed through for all but two of the connectors.



Next it is necessary to unravel some of the harness by removing the insulation table wrapped around the harness. You will see that once the wires are loose that they easily reach in most cases. The harness looks a mess but don't worry. As long as you have not cut any connectors, the wiring circuit is unaffected and the systems will work the same as before.



There are two connectors which will not reach and we provide two extension leads to enable these to be connected.



Study the photos to see how the harness is located. This is only a suggestion and you may wish to do it another way. However, be careful not to run wires between the subframe and any touching surface of the seat cowling or they may get damaged.

Our suggestions:

Thread the wiring harness from the right side to the left and run up the left top frame spar on the inside. Route most of the connectors here too, though it is a tight squeeze. Be sure not to have any wiring above the top spar or they will get pinched by the seat cowling. At this stage, just have the wiring in the approx. position and don't fit cable ties yet

Connect the flasher relay on the tab on the left side of the subframe and the connector running forward to the frame.



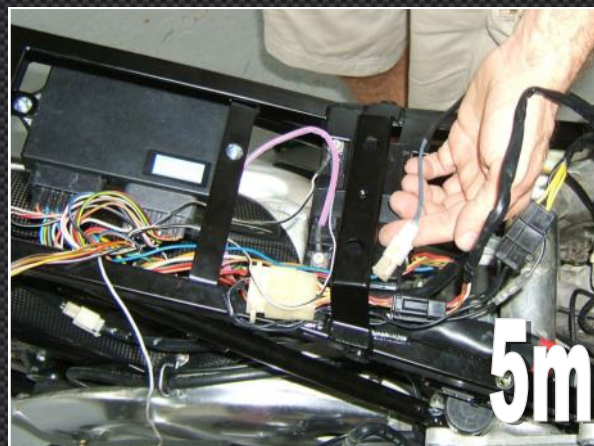


Connect the regulator/rectifier so the wiring goes forward and up in front of the battery box and behind the air box and then back along the right top subframe rail with the main harness. Run the bullet connector in the same place.

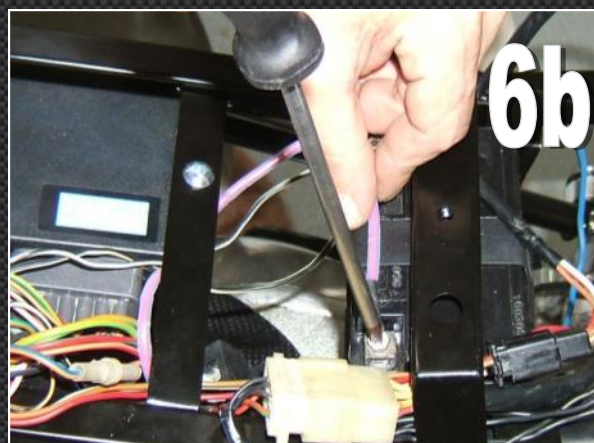


Attach the fuse box to the cross member at the front of the subframe using a cable tie.

Run the Aprilia tail light extension to the rear right of the subframe.

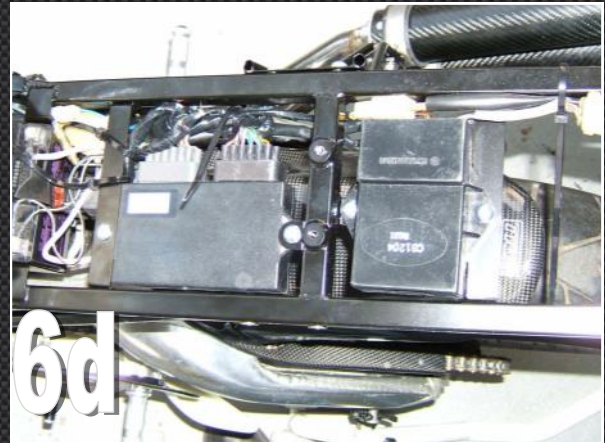


6. The battery (The space in the subframe will take a YTZ4V or equivalent battery) should be fitted to the battery tray provided at the rear of the subframe. Remember to secure with strap and connect as normal. However, do not connect the battery until all other wiring is securely connected.





You will need to wrap the harness again in insulation tape so first route the wiring without the tape then when you are happy, disconnect and wrap the harness. You will find it is now much more manageable and discrete.. Now finalise the wiring positions. This can be a fiddly job and requires patience to find homes for all the connectors and wiring. Make sure all components and wiring are not unduly stressed. When satisfied, secure into position using cable ties provided. Avoid fitting cable ties to top spar at the front area where the seat cowling support mounts to the subframe and also where the exhaust brackets fit to the subframe.



**7.** For bikes fitted with side by side exhausts, it is necessary to make an exhaust stay cut out in the seat cowling opposite the existing hole on the right. Match the seat cowling and undertray cut outs using saw and files or dremmel if available. (Always wear a mask and eye protection)). At this stage, be careful not to cut too much out and you can always trim more after trial fitment.

**8.** The exhaust stay(s) is/are next. If the bike is fitted with 'GP' twin right exiting silencers, one stay on the right is enough. this is provided in the kit. If your bike has left and right exiting silencers (side by side) you will need an extra stay which can be ordered from the website or your distributor. Use the bolts provided. The mounting holes are slotted for adjustment.





**9.** Secure the airbox with the original Aprilia bolts.

**10.** Fit the fuel tank. Fit the tank into the front rubber and connect the fuel. Next engage the lugs in the subframe at the rear. Secure the rear bolt.

**11.** Now test the electrical system by starting the engine and making sure all components function as they should.

**12.** Now it is time to work on the bodywork. Secure the taillight and the registration/licence plate holder if you are fitting the street kit. You can re-use the Aprilia unit or the LED one provided. Connect the taillight harness to the registration light harness and then the main harness and check that the taillight, registration/license plate and brake lights work. On the race kit there is cover BPFX-9330 which covers the light hole position on the seat cowling.



**13.** Next fit the seat cowling into position. To do this slide the seat cowling from the rear so that the subframe goes inside. Be careful not to scratch the fuel tank as it is moved into position. This manoeuvre is quite fiddly with side by side exhaust stays fitted due to minimal side to side movement. Fit the undertray roughly in position by squeezing it through the frame spars from underneath the seat cowling. Be sure to check that there is no interference between seat cowling, undertray, wiring and rear shock reservoir hose. Adjust as necessary. Check for clearance with exhaust stays and if necessary adjust cut outs. Make sure that the seat cowling goes over the bushes on the subframe to frame mounting bolts. Secure the two side bolts either side near the front of the seat cowling. Remember the subframe is not tight and you may need to wriggle the subframe up or down to find the best position



14. Secure the two top seat cowling to subframe bolts behind the rider position. Bolt the undertray to the seat cowling starting from the rear and working forward. Just turn the bolts a few threads until all bolts are in their respective holes. Be careful not to cross thread them. You will need a 'stubby' screw driver to reach some bolts. Make a note of any adjustments needed before painting, adjust and repeat until you are satisfied with the fitment. This will make for less stress once the panel is painted and going for final fitment



15. For final fitment after painting, secure the Velcro to the seat cowling. Fit the seat pad to the Velcro. The bum stop can be glued into position once the seat cowling is painted too..

16. If you are satisfied with the seat cowling position, now tighten the two lower subframe to frame mounting points. When you remove the seat cowling for painting remember to tighten up the top subframe positions too



As with all our bodywork kits, bringing an earlier model up to date is a challenging task. This is reflected to a certain degree in the fitment of the kit. We have tried our utmost to provide the components and guidance to accomplish this task, however, please allow plenty of time and patience in fitting this kit. We are happy to offer further advice so please contact us if you have any questions.









# Check out our other products for the Aprilia RS250



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