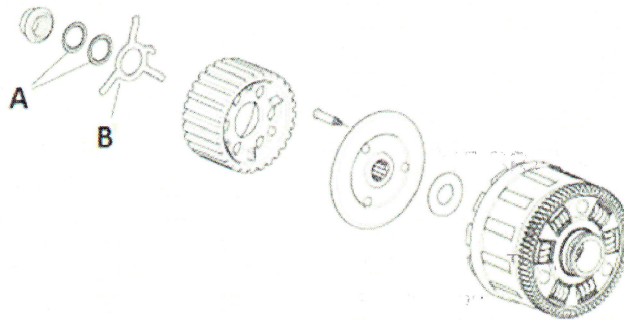


12 – MECHANICAL ADJUSTMENT OF ENGINE BRAKE INTERVENTION

The level of mechanical engine braking can be adjusted. To make changes to this parameter, you will need to work on the spring washer load, which pushes on the clutch drum. The adjustments to be made here depend on necessity or on the rider's driving style. Each individual user should, therefore, try and determine the best combination of electrical and mechanical adjustments available. The clutch system for the RSV4 MY17 model is identical to the previous version (2015/2016), but the set-up for the spring washer is different, which changes mechanical engine braking. The new model (MY17) has less engine braking than the previous version.

In the image below you will find the scheme for mounting the spring washer (B) and washers (A), as they were originally mounted on the standard RSV4 MY17 engine.

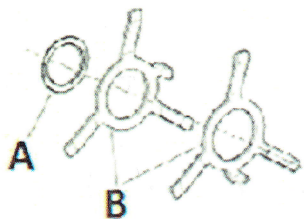


By varying the spring washer and washer combination, in terms of quantity and/or position, you can change the degree of mechanical engine braking. Recommended variations are provided below and refer to 4 different degrees of braking. The scheme for mounting the mechanical components to achieve the different outcomes described below is attached on the following page.

- 1** This is the highest degree of engine braking. This is the standard conformation for the MY 2015/2016 engine.
- 2** By moving washer A from the higher to the lower position (below the spring washers), the degree of mechanical engine braking is reduced to lower than level 1.
- 3** This is the assembly version for the RSV4 MY2017 engine. Therefore, if you wish to increase mechanical engine braking, you will need to select either conformation 2 or 1, whereas, if you want to reduce engine braking you will need to choose conformation 4.
- 4** This is the lowest degree of engine braking.

To be able to achieve all of the various combinations, based on the bike model you own, you will need material that is crucial for these changes. You will need to purchase the necessary parts from an official Aprilia dealership.

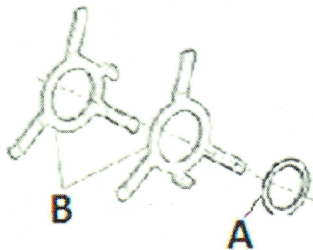
	Codice/code	Descrizione	Description
A	B044365	Rosetta 31x44x0.9	Washer 31x44x0.9
B	B044365	Molla a tazza sp. 0.9	Belleville spring sp. 0.9



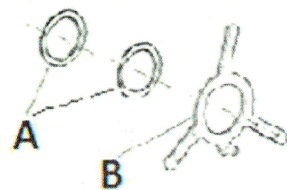
1

Montaggio standard RSV4 MY 2015/2016
RSV4 MY 2015/2016 standard OEM mounting

Freno motore maggiore / Greater engine brake

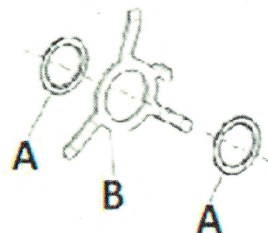


2



3

Montaggio standard RSV4 MY 2017
RSV4 MY2017 standard OEM mounting



4

Freno motore minore / Lower engine brake