

A Coruña on February 28, 2025

Hello:

I recently purchased the Parts reference JI820-13321N Chain guide spring Race TRS 16-25

I have looked for this spring option, because as is known, the original spring has problems. It deforms and loses tension. Asking about that spring in a prestigious store selling Trial motorcycles and spare parts here in Spain. They told me that they did not sell that spring because IT DID NOT WORK AND BECAUSE IT HAD NO TENSION. When I saw on the website that the spring was made of stainless steel and reinforced, I thought that the reason they did not sell it would be another and that the spring with those characteristics that it offers would have to work better than the original.

I ordered it to try it and when installing it I found that it is not the same measurements as the original model since the pin that fits into the hole in the chain tensioner lever is shorter and therefore does not fit.

The angle of that same pin also varies and when fitting it into the hole of the tension lever it is not flat and is at an angle, so IN THE EVENT that the spring was perfectly aligned in its housing, ADAPTING IT TO THE TENSION LEVER, the bushing would not normally reach the stop but would do so when tightening the screw, forcing and tightening the spring against the bushing, so the spring, when pressed against the bushing and the tension lever, is blocked and therefore, as I was told, it would be left without tension. IT CAN BE DEDUCED THAT THE SPRING AS IT COMES IS NOT VALID.

Also on the website it says that it is made of stainless steel. Iron is magnetic, stainless steel alloys are NOT. However, the spring is attracted by the magnet, which tells us that it is magnetic and therefore IT CAN BE DEDUCED THAT IT IS NOT STAINLESS STEEL.

Also, the stainless steels are shiny chrome, it could have a Nerinox treatment that would give it that black appearance, but this is not the case since the spring scratches easily, because just by trying it on your hand to install it you can see that there are already discolored areas.

The proof, as I said, is that the spring is magnetic and stainless steels are mainly Cr-Ni and Mo alloys. Although some stainless steels may contain SOME iron to avoid fragility when breaking and facilitate elasticity, but that something does not make it as magnetic as is the case with this spring (I am sending a video so that you can appreciate the great magnetism it has)

I am attaching photos so that you can see the difference with the measurements of the original spring and how it does not fit according to the previous exhibition.

1. Here you can see the difference in length between the original Silver Color and the black Jitsie Race.





2. If we insert the pin into the hole of the tension lever in its housing, being shorter, it does not fit into the housing of the bushing and also, as the angle is more open, it is displaced outwards since the original has an angle of approximately 90°



3. Once the spring is placed in the housing of the bushing, it can be seen that the length of the pin does not match the hole of the tension lever, a new housing would have to be made that matches the lowered part. The marks are where the hole in the tension lever of the original spring matches and where the reinforced spring would match



4. Here you can see the magnetism, although I provide a video



P.S.: I have also detected that when using a larger diameter wire, they took as a measurement the outer diameter of the spring, so the inner diameter was reduced by 1mm, (since the wire is approximately 0.5 mm thicker). At first, before analyzing it in detail, I thought that the bushing would be very tight and when the spring closes when applying pressure while working, it would press against the bushing, and it would not act as a spring because it would be blocked, but analyzing it in my hand (since I could not test it when installed, which would exert greater force and checking with the travel of the tensioning lever) it seems that there is enough clearance for this not to happen and the diameter being slightly smaller would favor obtaining greater pressure. It would be something to check once it is installed correctly.

I am sending you this documentation so that you can check it since you possibly do not have this information, otherwise they would have already solved these small defects and not mislead us, their clients

Without further Particulars Receive a cordial greeting

A handwritten signature in blue ink, appearing to be 'Luis J. Cardalda Someso', written in a cursive style.

Luis J. Cardalda Someso