

# KIS Nose-Wheel Assembly

Taken from KIS4 – N819PR (4/20/2013)

Complete Nose Wheel Assembly



A new replacement shock absorber is shown next to the nose wheel assembly. The top dust cover has NOT been removed from the new shock absorber in the pictures used.

## Disassembled Nose Wheel Assembly

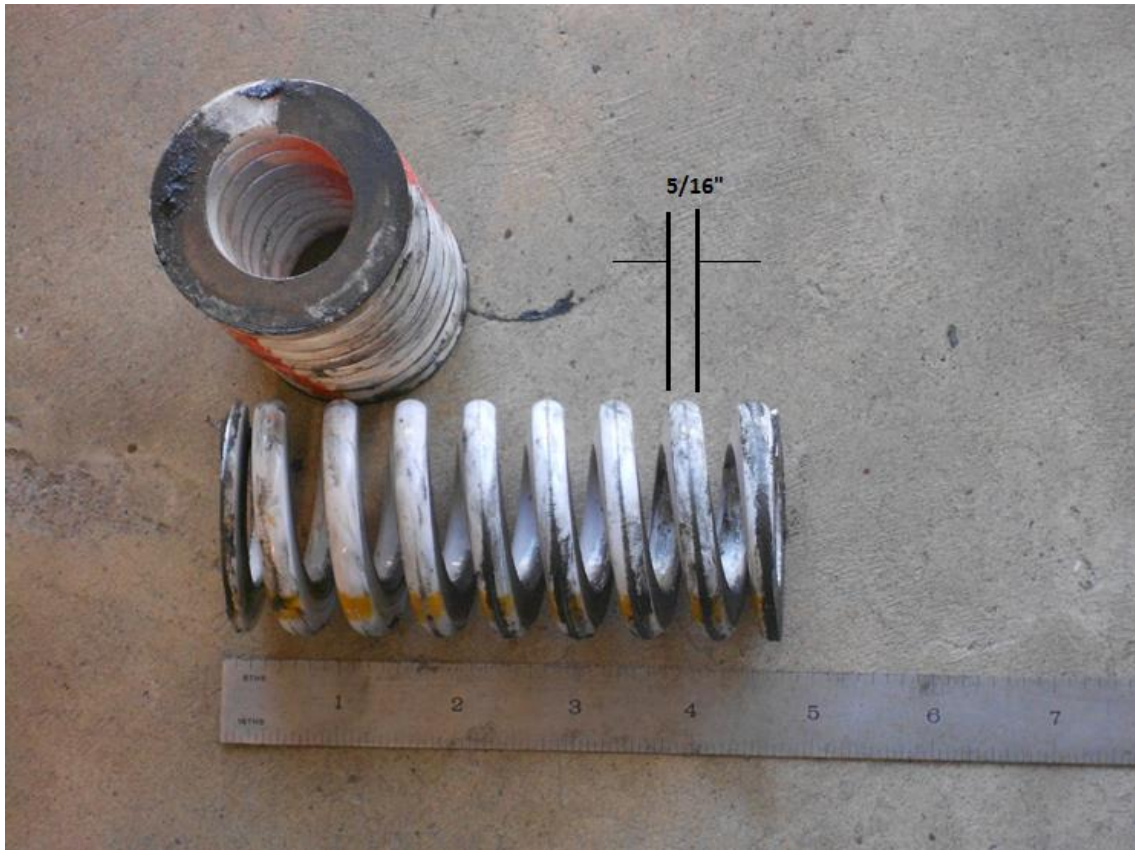


How the parts go together inside the nose-wheel assembly. The bright "chrome" part is the top of the assembly.

The top of the shock absorber has the "dust cover" cut off and a lengthening adaptor threaded rod is affixed to it. The shock absorber measures a total of 25" long from the top of the lengthening adaptor threaded rod to the bottom of the shock absorber threaded rod. Two 4-1/2" steel springs are inserted as spacers where the dust cover would have been.

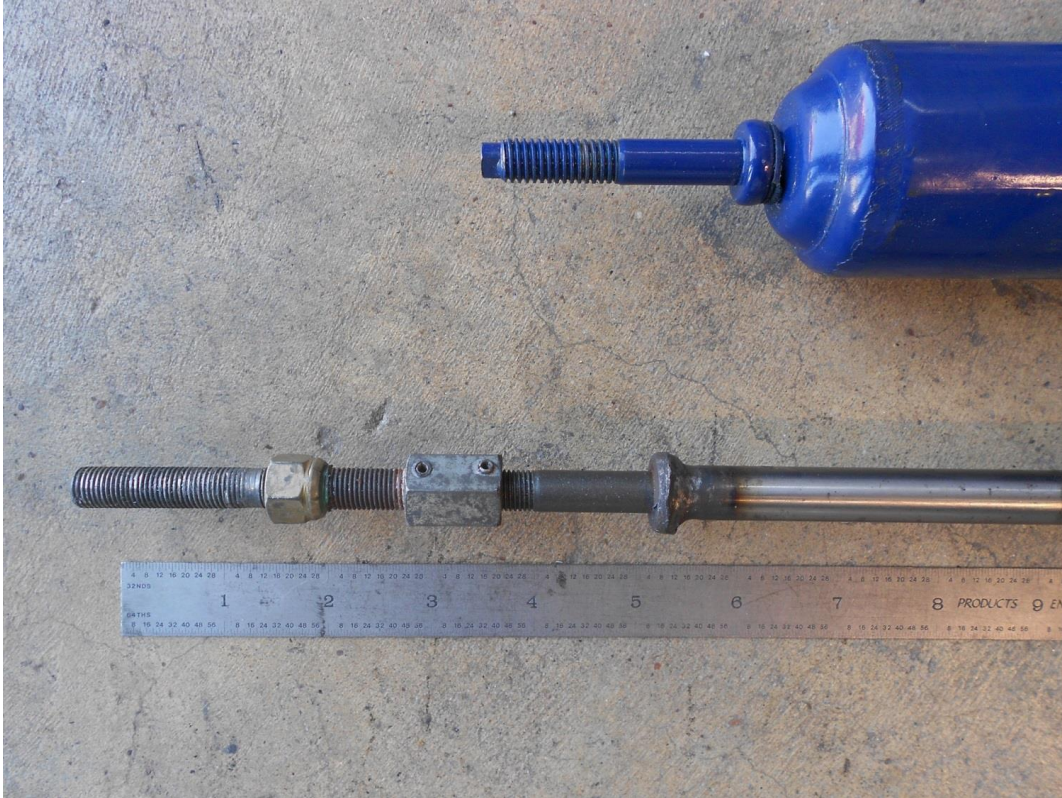
NOTE: The blue replacement shock absorber does NOT have its dust cover removed in the pictures.

## Steel Springs Measurements



Each steel spring is 4- $\frac{1}{2}$ " long,  $\frac{5}{16}$ " thick and 1- $\frac{15}{16}$ " in diameter.

## Top of the Shock Absorber

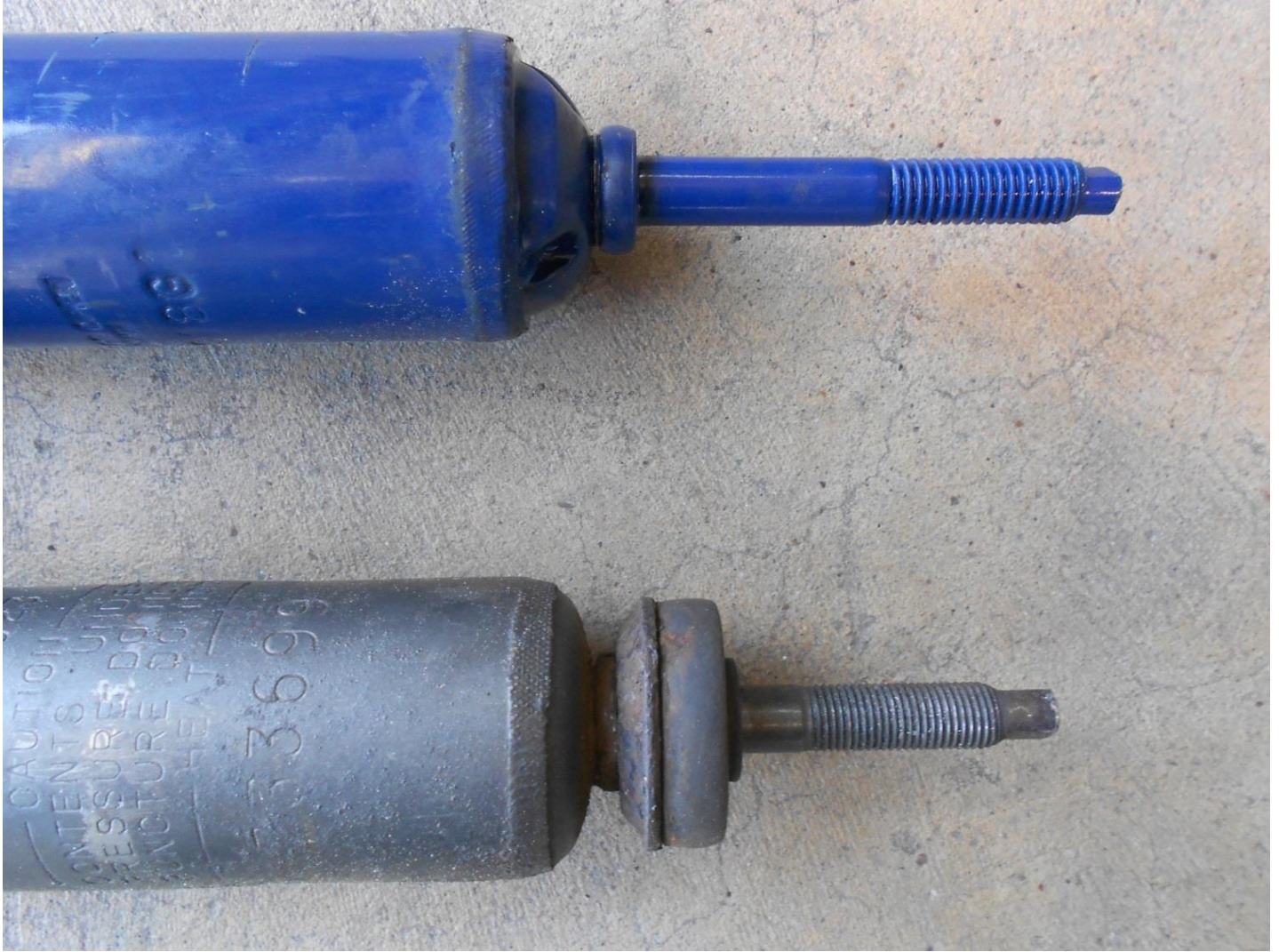


NOTE: The blue replacement shock absorber does NOT have the dust cover removed in the pictures.



The lengthening adaptor threaded rod is shown in detail in the above photos. The nut provides a stop to help prevent it being over tightened during installation.

## Bottom of the Shock Absorber



There is a rubber grommet on the inside bottom of the shock absorber as seen in the above photo.

## Shock Absorber inside the assembly.



There is another rubber grommet on the outside bottom of the assembly as seen on the right side of the above photo.



There is a thick piece of rubber between the outside top of the assembly and the firewall mounting bracket as seen in the above photo. There is a rubber grommet on top of the firewall mounting bracket and the top of the lengthening adaptor threaded rod. There is no rubber grommet inside the top part of the assembly.