



Bilstein RUSH Sealed Shock Explanation

Bilstein has developed a new rod guide for our RUSH Series sealed shock program. The term “rod guide” means the part of the shock that closes the end of the shock tube and through which the shock’s rod extends. In a regular, all steel, sealed, “off of the shelf” Bilstein shock, the rod guide is secured inside the shock tube with a snap ring. The snap ring is accessible from the outside of the shock and through the use of a special machine that compresses the rod guide just enough to access the snap ring with a pick, the snap ring and the rod guide can be removed. Once removed, the shock can be revalved and gas pressure altered.

On the other hand:

The rod guide for our RUSH Series spec shock however will have the snap ring that holds the rod guide in place positioned so that once the rod guide is pushed inside the tube; the snap ring is not in any way accessible and therefore cannot be removed without destroying the shock. To clarify how it works it is helpful to compare the way Bilstein “off of the shelf” shocks are assembled to the way our RUSH Series shock will be assembled. Normally the rod guide is pushed down into the mouth of the tube, then a snap ring installed to secure it in the tube. Our RUSH Series spec shock will have the snap ring wrapped around the o.d. of the rod guide and then the rod guide will be pushed into the tube, and when the snap ring finds it’s groove it will then deploy into its seat. Therefore the snap ring that secures the rod guide in the end of the tube cannot be accessed for removal and the shock cannot be disassembled without cutting the tube apart.