

Fitting Procedure for the front bump stop of the WR Sport Spring Package STi 03

1. Ensure the damper shaft, and seal, including the gold retaining ring, are wiped clear of dirt.



2. Remove the nut on the bottom of the strut tube.



3. Withdraw the damper insert, being careful as the bump stop is pulled past the seal.

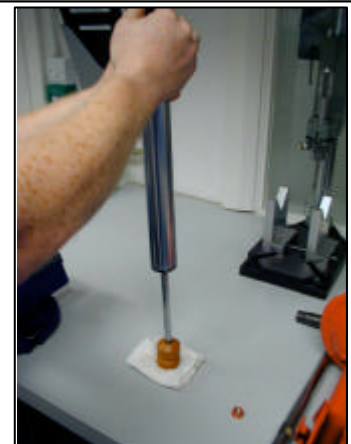


4. Put some of the grease carried on the bump stop around the retaining washer at the end of the rod. Pull and twist the bump stop off over the retaining washer. Use a cloth or tissue to provide a grip on the bump stop.

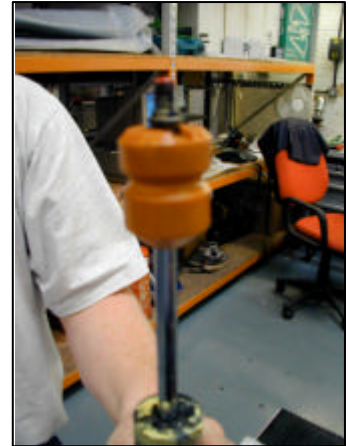


5. Push the new bump stop onto the shaft over the retaining washer tapered end first. This is best achieved in two stages.

a) Place the bump stop, tapered side up, on a bench and push the damper rod into it as far as possible.



b) Push and rotate the bump stop by hand until it is fully over the retaining washer.



6. Wipe the body of the insert to remove any grease and contamination.



7. Slide the insert back into the strut body taking care not to roll the edge of the seal.



8. Rotate the insert when it reaches the bottom of the strut body until the flats on the threaded end drop through and locate in the hole.



9. Refit the nut. Grip the foot bracket of the strut in a vice with soft jaws fitted and tighten the nut to 40 Nm.



10. Fit the road spring and re-assemble as per the workshop manual.
11. **The tyre pressures and suspension geometry MUST be set correctly to the figures below to achieve the full benefit of the spring package. It is also important to settle the suspension so the geometry is set at the correct ride height.**

a) Set the tyre pressures to:

Front 2.3 bar (33 psi)
Rear 2.1 bar (31 psi)

b) Settle the suspension by driving a few miles on the road.

c) Set the geometry to:

Front camber $-1^{\circ}15'$ (-1.25°)
Front toe total $0^{\circ}00'$ (0.00°)
Rear toe $0^{\circ}06'$ (0.1°) per wheel toe in [$0^{\circ}12'$ (0.2°) total toe in]

12. Check the headlight alignment and reset if necessary as per the workshop manual.

Important Notice:-

13. Attach supplied label in the following place to the service book for future reference.

