



## Building manual by-pass shock absorber

- Place o-ring (pos12) into spring adjusting ring (pos11) and screw ring onto shocker housing (pos9)
- Place o-ring (pos7) in the bottom part of the shocker housing at the perforated plate side
- Mount shock rod-end (pos1) to piston rod (pos10)
- Place scraper bushing (pos3) and U-seal (pos4) in the bottom seal cap (pos6)
- Press in guide collar (pos8) into the bottom seal cap
- Place o-ring (pos5) over the bottom seal cap
- Put the piston rod through the end cap, give a bit of silicon oil in the bottom seal cap so the oil reaches until the seal
- Place the donut foam ring (pos 19) over the guide collar so it sits in the bottom seal cap
- Screw bottom seal cap into the bottom of the shocker housing, tighten with key
- Place o-ring (pos15) and bushing (pos18) in the end cap (pos17)
- Place washer pos13 on the piston rod (pos10)
- Fill shock absorber half way with silicon oil (#18330)
- Place piston (pos14) with the 4 pre-fab holes facing upwards onto the piston rod. Note these holes are closed and are to be drilled to the desired hole diameter
- Place the second washer (pos13) and secure the piston with the nyloc nut (pos16)
- Pull the piston rod gently down until it is completely out
- Fill the shock till it is completely full
- Close the shocker housing with the end cap
- Use the small filler bottle delivered along with your shocks to full the last bit of the shock absorber using the small bleeder hole on top of the end-cap
- Close the bleeder hole using the small screw (pos20) and seal ring(pos2)
- Slide the spring over the shocker housing and fix the spring using spring disc (pos21)

Note: the use of snab-valve (#50320-50) is also possible with the shock absorber.