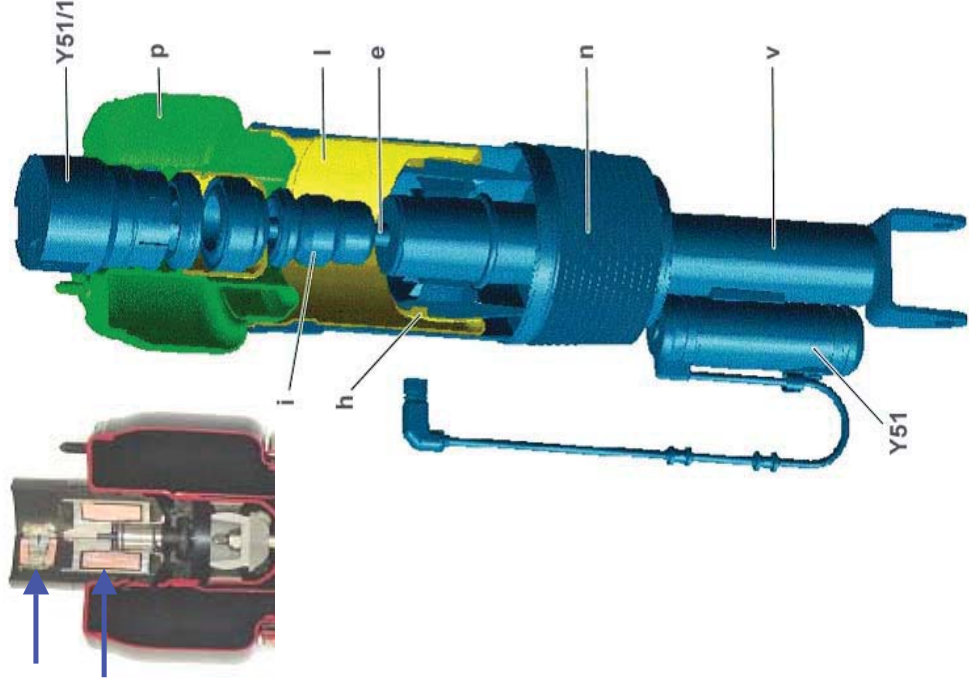
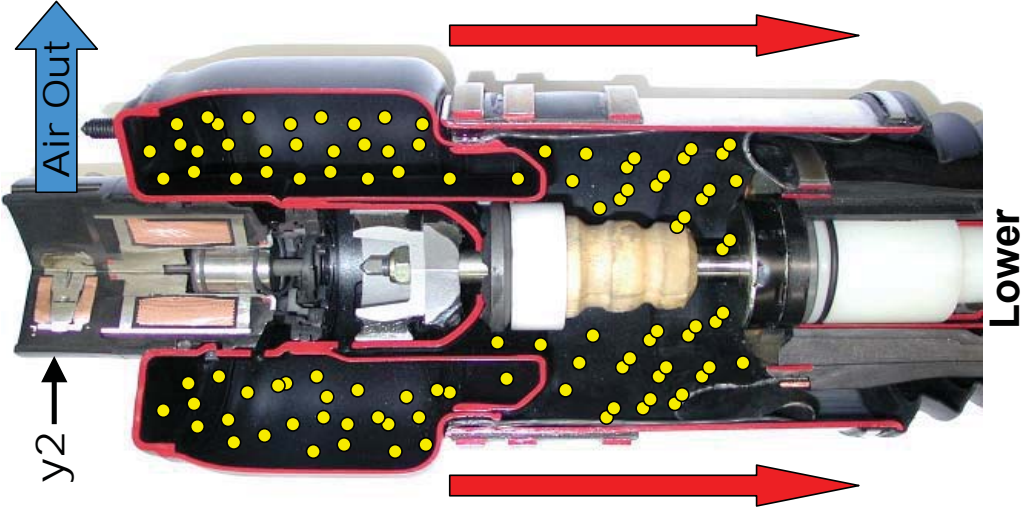


Front Air Spring Construction

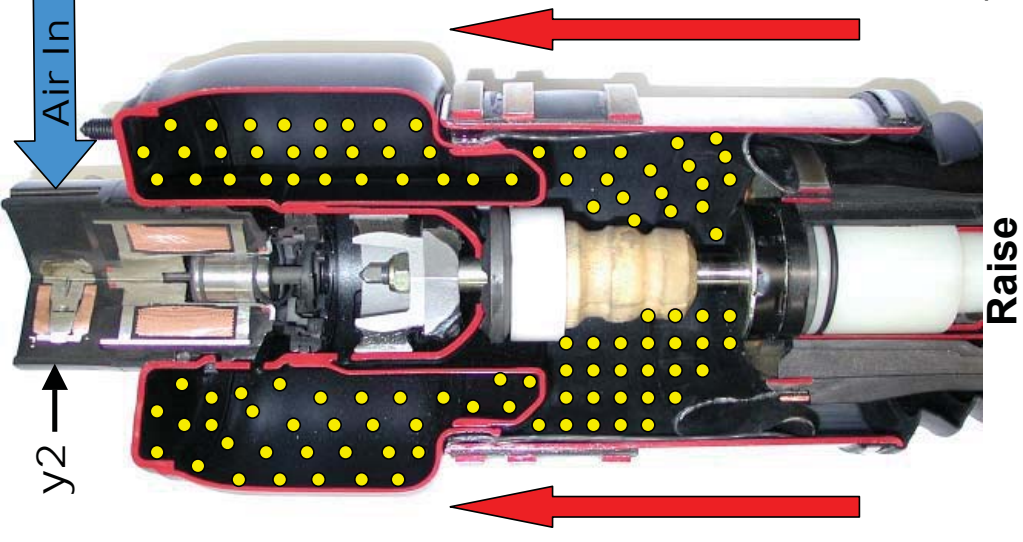


- 40 Front air spring / strut
- Y51/1 LF spring strut valve unit
- y1 Additional volume valve
- y2 Level valve
- p Additional volume air chamber
- i Stop buffer
- l Air chamber
- e Piston rod
- h Air bellows
- n Protective boot
- v Shock absorber
- Y51 LF front axle dampening valve

Level and Height Adjustment (y2)



Solenoid (y2) energized (open) for ride height changes

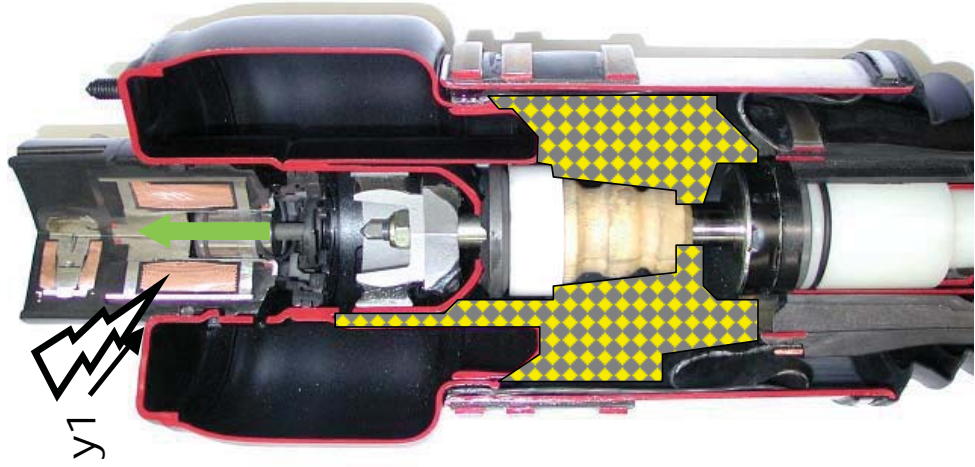


Note:
Closing y2 acts as the check valve. This will maintain air volume in spring / strut assembly.

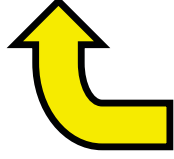
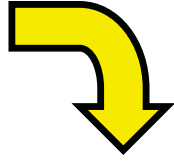
Lower

Raise

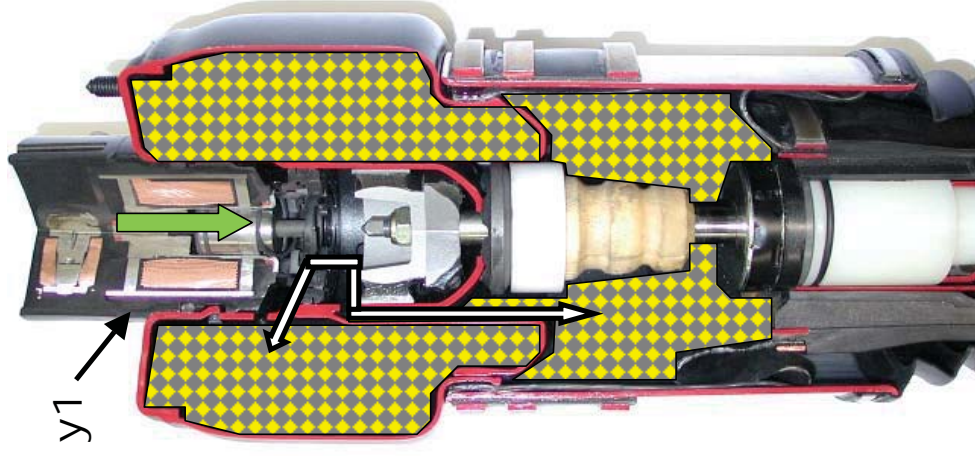
Air Spring Dampening (y1)



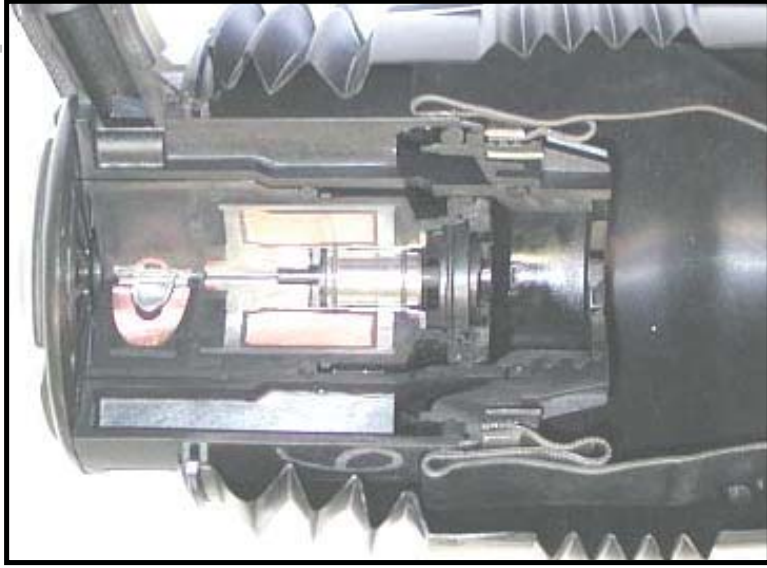
Solenoid (y1) closed
(energized)
one air chamber used,
less air volume to
compress = firmer



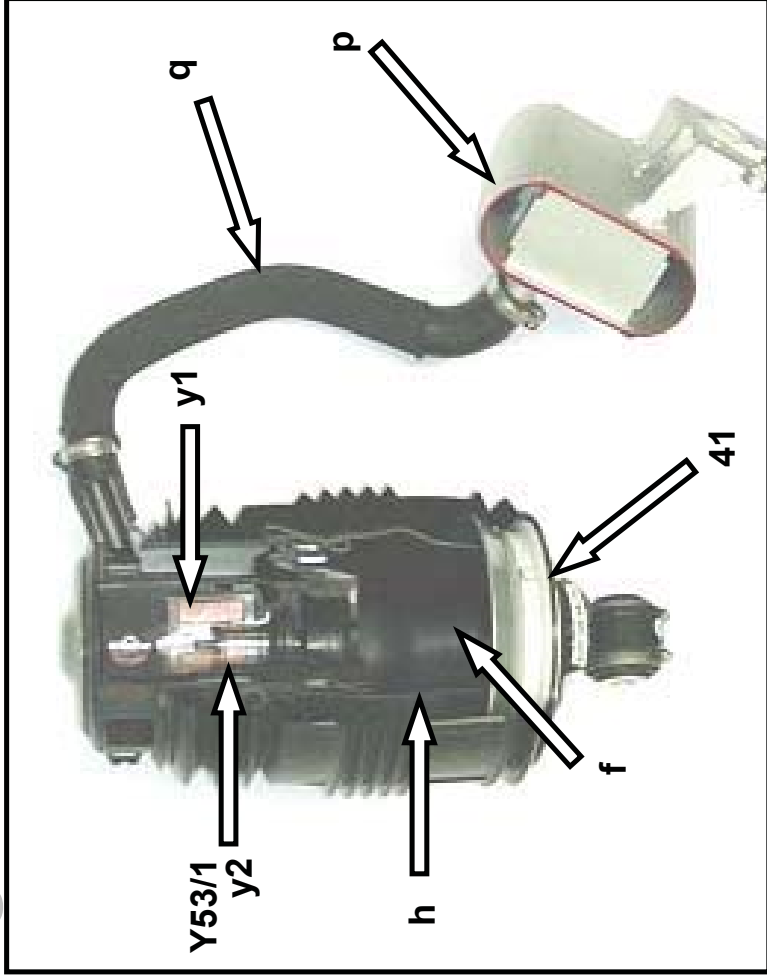
Solenoid (y1) open
(de-energized)
both air chambers
used, more air volume to
compress = softer



Rear Air Spring / Strut Construction



- 41 - Rear air spring / strut
- h - Air bellows
- f - Air chamber
- p - Additional volume air chamber



- q - Connecting hose
- Y53/1 - LR spring strut valve unit
- y1 - additional volume valve
- y2 - level valve